Water Resources Data–Georgia, 2003

Volume 1: Continuous water-level, streamflow, water-quality data, and periodic water-quality data, Water Year 2003

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U.S. GEOLOGICAL SURVEY

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U.S. DEPARTMENT OF THE INTERIOR
GALE A. NORTON, Secretary

U.S. GEOLOGICAL SURVEY
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ACKNOWLEDGMENTS

This volume of the annual hydrologic data report of Georgia is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by the private sector and local, State, and Federal agencies for developing and managing our Nation's land and water resources. Hydrologic data for Georgia are contained in two volumes.

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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COOPERATION

The U.S. Geological Survey (USGS) and organizations of the State of Georgia have had cooperative agreements for the systematic collection of streamflow records since 1896, for water-quality records since 1937, and for ground-water levels since 1938. Organizations that supplied data are acknowledged in station descriptions. Organizations that assisted in collecting data through cooperative agreement with the USGS are:

Georgia Department of Natural Resources (DNR),
Lonice C. Barrett, Commissioner
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Tommy Irvin, Commissioner
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City of Atlanta
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City of Springfield
City of Summerville
City of Thomaston
City of Valdosta
City of Winder
Albany Water, Gas, and Light Commission
Albany-Dougherty Planning Commission
Athens-Clarke County Public Utilities Department
Atlanta Regional Commission
Bibb County
Chattooga County Commission
Cherokee County Water and Sewerage Authority
Clayton County Water Authority
Cobb County Water System
Dalton Utilities
Etowah Water and Sewer Authority
Fayette County Water System
Fulton County Department of Public Works
Glynn County
Gwinnett County Public Works Department
Fulton County Public Works Department
Heard County Water Authority
Henry County Water and Sewerage Authority
Macon-Bibb County Water and Sewerage Authority
Monroe Water, Light and Gas Commission
Newton County Water and Sewerage Authority
Polk County Water, Sewage, and Solid Waste Authority
Rockdale County Department of Water Resources
St. Johns Water Management District
Suwannee River Water Management District
University of Georgia Marine Institute
Upper Oconee Water Authority
University of Georgia Marine Institute

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U.S. Army Corps of Engineers (USACE)
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U.S. Environmental Protection Agency (USEPA)
U.S. Department of Army
U.S. Department of Air Force
U.S. Department of the Interior (DOI), National Park Service (NPS)
U.S. Department of Commerce (USDC), National Oceanic and Atmospheric Administration (NOAA), National Weather Service (NWS)
Tennessee Valley Authority (TVA)
Centers for Disease Control and Prevention (CDC)

The following organizations aided in collecting records:

Southern Company
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Crisp County Power Commission
Southeastern Waters (formerly AmeriCorps)

Contents

INTRODUCTION

Water resources data for the 2003 water year for Georgia consists of records of stage, discharge, and water quality of streams; and the stage and contents of lakes and reservoirs published in two volumes in a digital format on a CD-ROM. Volume one of this report contains water resources data for Georgia collected during water year 2003, including: discharge records of 163 gaging stations; stage for 187 gaging stations; precipitation for 140 gaging stations; information for 19 lakes and reservoirs; continuous water-quality records for 40 stations; the annual peak stage and annual peak discharge for 65 crest-stage partial-record stations; and miscellaneous streamflow measurements at 36 stations, and miscellaneous water-quality data at 162 stations in Georgia. Volume two of this report contains water resources data for Georgia collected during calendar year 2003, including continuous water-level records of 156 ground-water wells and periodic records at 130 water-quality stations. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Georgia.

Records of discharge and stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface-Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperature, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from the U.S. Geological Survey, Branch of Information Services, Federal Center, Box 25286, Denver, CO 80225.

For water years 1961 through 1970, streamflow data were released by the U.S. Geological Survey in annual reports on a State-boundary basis prior to the two 5-year series water-supply papers, which cover this period. The data contained in the water-supply papers are considered the official record. Water-quality records for water years 1964 through 1970 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1971 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report GA-00-1." These water-data reports are for sale in various formats, by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Office at the address provided at the end of this text in the section titled “Access to USGS Water Data”.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 50 sites in small drainage basins around the country whose purpose is to provide consistent data on the streamflow representative of undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by human activities. At 10 of these sites, water-quality

information is being gathered on major ions and nutrients, primarily to assess the effects of acid deposition on stream chemistry. Additional information on the Hydrologic Benchmark Program can be found at http://water.usgs.gov/hbn/.

National Stream-Quality Accounting Network (NASQAN) monitors the water quality of large rivers within the Nation's largest river basins. From 1995 through 1999, a network of approximately 40 stations was operated in the Mississippi, Columbia, Colorado, and Rio Grande basins. For the period 2000 through 2004, sampling was reduced to a few index stations on the Colorado and Columbia so that a network of 5 stations could be implemented on the Yukon River. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals. Additional information about the NASQAN Program can be found at http://water.usgs.gov/nasqan/.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) provides continuous measurement and assessment of the chemical constituents in precipitation throughout the United States. As the lead federal agency, the USGS works together with over 100 organizations to provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 225 precipitation chemistry monitoring sites. This long-term, nationally consistent monitoring program, coupled with ecosystem research, provides critical information toward a national scorecard to evaluate the effectiveness of ongoing and future regulations intended to reduce atmospheric emissions and subsequent impacts to the Nation's land and water resources. Reports and other information on the NADP/NTN Program, as well as all data from the individual sites, can be found at http://bqs.usgs.gov/acidrain/.

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, representative part of the Nation's ground- and surface-water resources; provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 59 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents will be measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Communication and coordination between USGS personnel and other local, State, and federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key federal, State, and local water resources agencies, Indian nations, and universities in the study unit. Liaison committees typically meet semiannually to discuss their information

needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the agencies. Additional information about the NAWQA Program can be found at http://water.usgs.gov/nawqa/.

Explanation of Records

The surface-water records published in this report are for the 2003 water year that began on October 1, 2002, and ended September 30, 2003. The records contain streamflow data and information for lakes and reservoirs. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each data station in this report, whether stream site, or other site, is assigned a unique identification number. This number is unique in that it applies specifically to a given station and to no other. The number usually is assigned when a station is first established and is retained for that station indefinitely. The system used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground water well sites differ, but both are based on geographic location. The "downstream order" system is used for surface-water stations and the "latitude-longitude" system is used for wells and other off-stream sites.

Downstream Order System

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a mainstream station are listed before that station. A station on a tributary that enters between two mainstream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. This downstream order and system of indention show in stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

The station-identification number is assigned according to downstream order. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete number for each station, such as 02351890, which appears just to the left of the station name, includes the two-digit Part number "02" plus the downstream-order number "351890", which can be from six to 12 digits. Most of the station-identification numbers in this report are eight digits; however, up to 14 digit numbers are permissible.

Latitude-Longitude System

The identification numbers for wells and other off-stream sites, such as rain gages, are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells or other sites within a 1-second grid. This site-identification number, once assigned, is a pure number, and has no location significance. In the rare instance where the initial determination of latitude and longitude are

found to be in error, the station will retain its initial identification number; however, its true latitude and longitude will be listed in the LOCATION paragraph of the station description.

Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records of stage or discharge are those obtained using a continuous or specified time-interval stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Occasionally, other parameters such as tainter gate openings and stream velocity will also be needed to compute discharges. Stations for which daily mean discharges or gage heights are published are referred to as "daily stations".

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records," or "Low-flow partial records." Records of miscellaneous peak discharge at selected sites or of measurements from specific studies, such as low-flow seepage studies, may be considered as partial records and these are presented under the appropriate heading. Locations of all complete-record and crest-stage partial-record stations for which data are given in this report are displayed by activating the appropriate theme on the user interface.

Data Collection and Computation

The data obtained at a complete-record gaging station on a stream or canal consist of a continuous record of stage, individual measurements of discharge throughout a range of stages, and notations regarding factors that may affect the relations between stage and discharge. These data, together with supplemental information, as weather records, are used to compute daily discharges.

Continuous records of stage are obtained with devices that record stage values at selected time intervals or with analog recorders that trace continuous graphs of stage. Measurements of discharge are made with current meters using methods adapted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources Investigations (TWRI), Book 3, Chapters A1 through A19 and Book 8, Chapters A2 and B2. The methods referenced above are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. From these curves, rating tables indicating the approximate discharge for any stage within the range of the measurements are prepared. If it is necessary to define extremes of discharge outside the range of the current-meter measurements, the curves are extended using: (1) logarithmic plotting; (2) velocity-area studies; (3) results of indirect measurements of peak discharge, such as slope-area or contracted- opening measurements, and computations of flow-over-dams or weirs; or (4) step-backwater techniques.

Daily mean discharges are computed by applying the daily mean stages (gage heights) to the stage-discharge curves or tables. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is determined by the shifting-control method, in which correction factors based on the individual discharge

measurements and notes of the personnel making the measurements are applied to the gage heights before the discharges are determined from the curves or tables. This shifting-control method is also used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control. For some stations, formation of ice in the winter may so obscure the stage-discharge relations that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for other stations in the same or nearby basins for comparable periods.

At some stream-gaging stations the backwater from reservoirs, tributary streams, or other sources affects the stage-discharge relations. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relations are affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

For some gaging stations there are periods when no gage-height record is obtained, or the recorded gage height is so faulty that it cannot be used to compute daily discharge. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged; the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated from the recorded range in stage, previous and following record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Information explaining how estimated daily-discharge values are identified in station records is included in the next two sections, "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge."

Computation of records of lake or reservoir contents requires a stage-contents relation, which can be obtained from surveys, curves, or tables defining this relationship. The application of stage to the stage-contents curves or tables gives the contents from which daily, monthly, or yearly changes then are determined. If the stage-contents relation changes because of deposition of sediment in a lake or reservoir, periodic resurveys may be necessary to redefine the relation.

Data Presentation

Streamflow data in the report are presented in a new format that is considerably different from the format in data reports prior to the 1992 water year. The major changes are that statistical characteristics of discharge now appear in tabular summaries following the water-year data table and less information is provided in the text or station manuscript above the table. These changes represent the results of a pilot program to reformat the annual water-data report to meet current user needs and data preferences.

The records published for each continuous-record surface-water discharge station (gaging station) now consist of four parts, the manuscript or station description; the data table of daily mean values of discharge for the current water year with summary data; a tabular statistical summary of monthly mean flow data for a designated period, by water year; and a summary statistics table that includes statistical data of annual, daily, and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration.

Station manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is

provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station manuscript.

LOCATION.--Information on locations is obtained from the most accurate maps available. The location of the gage with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurement," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type of maps available at the time of determination of drainage area varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps and funds become available.

PERIOD OF RECORD.--This indicates the period for which there are published records for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not, and whose location was such that records from it can reasonably be considered equivalent with records from the present station.

REVISED RECORDS.--Published records, because of new information, occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision does not include daily, monthly, or annual figures of discharge, that fact is noted after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

GAGE.--The type of gage in current use, the datum of the current gage referred to mean sea level (see glossary), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.--All periods of estimated daily-discharge record will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily-discharge table. (See next section, "Identifying Estimated Daily Discharge.") If a remarks statement is used to identify estimated record, the paragraph will begin with this information presented as the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, to conditions that affect natural flow at the station and, possibly, to other pertinent items.

COOPERATION.--Records provided by a cooperating organization or obtained for the U.S. Geological Survey by a cooperating organization are identified here.

EXTREMES OUTSIDE THE PERIOD OF RECORD.--Included here is information concerning major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the U.S. Geological Survey.

PEAK DISCHARGES FOR CURRENT YEAR.--For stations meeting certain criteria, all peak discharges and stages occurring during the water year and greater than a selected base discharge are presented under this heading. The peaks greater than the base discharge, excluding the highest one, are

referred to as secondary peaks. Peak discharges are not published for canals, ditches, drains, or streams for which the peaks are subject to substantial control by man. The time of occurrence for peaks is expressed in 24-hour local standard time. For example, 12:30 a.m. is 0030, and 1:30 p.m. is 1330.

REVISIONS.--If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations there would be no current or, possibly, future station manuscript published to document the revision in a "Revised Records" entry, users of data for these stations who obtain the record from published data reports may wish to contact the District office to determine if the published records were revised after the station was discontinued. Data obtained from computer files for discontinued stations will be current since these files are updated with appropriate revisions at the time revisions are made.

Manuscript information for lake or reservoir stations differs slightly from that for stream and stage stations. A paragraph describing the dam, beginning storage date, if known, and pertinent contents and elevation information is included in the description. Normally there is no "REMARKS" section. "EXTREMES" sections are presented only for those reservoirs where daily or more frequent pool elevations are available.

Headings for AVERAGE DISCHARGE, EXTREMES FOR PERIOD OF RECORD, AND EXTREMES FOR CURRENT YEAR have been deleted and the information contained in these paragraphs, except for the listing of secondary instantaneous peak discharges, which are now presented in the PEAK DISCHARGES FOR CURRENT YEAR paragraph, is now presented in the tabular summaries following the discharge table or in the REMARKS paragraph, as appropriate. No changes have been made to the data presentations of lake contents.

Data table of daily mean values

The daily table of discharge records for stream-gaging stations gives mean discharge for each day of the water year. In the monthly summary for the table, the line headed "TOTAL" gives the sum of the daily figures for each month; the line headed "MEAN" gives the average flow in cubic feet per second for the month; and the lines headed "MAX" and "MIN" give the maximum and minimum daily mean discharges, respectively, for each month. Discharge for the month also is usually expressed in cubic feet per second per square mile (line headed "CFSM"); or in inches (line headed "IN."); or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches or in acre-feet may be omitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas. At some stations monthly and (or) yearly-observed discharges are adjusted for reservoir storage or diversion, or diversion data or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

Statistics of monthly mean data

A tabular summary of the mean (line headed "MEAN"), maximum (line headed "MAX"), and minimum (line headed "MIN") of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the maximum and minimum monthly flows are provided immediately below those figures. The designated period will be expressed as 'FOR WATER YEARS _____-_____, BY WATER YEAR (WY)," and will list the first and last water years of the range of

years selected from the PERIOD OF RECORD paragraph in the station manuscript. It will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

Summary statistics

A table titled "SUMMARY STATISTICS" follows the statistics of monthly mean data tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, "WATER YEARS _____-_____," will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (See line headings below.), except for the "ANNUAL 7-DAY MINIMUM" statistic, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

The date or water year, as appropriate, of each statistic reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrences may be noted in the REMARKS paragraph of the manuscript or in footnotes. Because the designated period may not be the same as the station period of record published in the manuscript, occasionally the dates of occurrence listed for the daily and instantaneous extremes in the designated-period column may not be within the selected water years listed in the heading. When this occurs, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration curve statistics and runoff data are also given. Runoff data may be omitted if there is extensive regulation or diversion of flow in the drainage basin.

The following summary statistics data, as appropriate, are provided with each continuous record of discharge. Comments to follow clarify information presented under the various line headings of the summary statistics table:

ANNUAL TOTAL.--The sum of the daily mean values of discharge for the year. At some stations, the annual total discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

ANNUAL MEAN.--The arithmetic mean of the individual daily mean discharges for the year noted or for the designated period. At some stations, the yearly mean discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

HIGHEST ANNUAL MEAN.--The maximum annual mean discharge occurring for the designated period.

LOWEST ANNUAL MEAN.--The minimum annual mean discharge occurring for the designated period.

HIGHEST DAILY MEAN.--The maximum daily mean discharge for the year or for the designated period.

LOWEST DAILY MEAN.--The minimum daily mean discharge for the year or for the designated period.

ANNUAL 7-DAY MINIMUM.--The lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The date shown in the summary statistics table is the initial date of the 7-day period. This value should not be confused with the 7-day 10-year low-flow statistic.)

MAXIMUM PEAK FLOW.-- The maximum instantaneous peak discharge occurring for the water year or designated period. Occasionally the maximum flow for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak flow is given in the table and the maximum flow may be reported in a footnote or in the REMARKS paragraph in the manuscript.

MAXIMUM PEAK STAGE.-- The maximum instantaneous peak stage occurring for the water year or designated period. Occasionally the maximum stage for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak stage is given in the table and the maximum stage may be reported in the REMARKS paragraph in the manuscript or in a footnote. If the dates of occurrence of the maximum peak stage and maximum peak flow are different, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

INSTANTANEOUS LOW FLOW.--The minimum instantaneous discharge occurring for the water year or for the designated period.

ANNUAL RUNOFF.--Indicates the total quantity of water in runoff for a drainage area for the year. Data reports may use any of the following units of measurement in presenting annual runoff data:

> *Acre-foot* (AC-FT) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.
>
> *Cubic feet per second per square mile* (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area.
>
> *Inches* (INCHES) indicate the depth to which the drainage area would be covered if all of the runoff for a given time period were uniformly distributed on it.

10 PERCENT EXCEEDS.--The discharge that has been exceeded 10 percent of the time for the designated period.

50 PERCENT EXCEEDS.--The discharge that has been exceeded 50 percent of the time for the designated period.

90 PERCENT EXCEEDS.--The discharge that has been exceeded 90 percent of the time for the designated period.

There are several exceptions to the above-described format. First, if a station was operated under both non-regulated and significantly regulated flow regimes, two sets of monthly mean and summary

statistics are furnished. One set of monthly mean and summary statistics represents the period prior to regulation, and the second set represents the period since flow has been regulated. The summary statistics prior to regulation do not include current calendar or water year statistics since they are included in the SINCE REGULATION summary statistics. Also, in the station manuscript there is an AVERAGE DISCHARGE line heading, which is the arithmetic mean of the complete water-year mean discharges for the entire period of record, and includes both the regulated and non-regulated periods of record. Some AVERAGE DISCHARGE computations may include mean discharges adjusted for reservoir storage or diversion. Another exception occurs when discharge records are fragmentary for various reasons. Then, the monthly mean and summary statistics have been eliminated or modified, based on available information, and EXTREMES FOR PERIOD OF RECORD and EXTREMES FOR CURRENT YEAR line headings have been included in the station manuscript. Extremes may include maximum and minimum stages and maximum and minimum discharges. The highest stage may have been obtained from a graphic, digital, or electronic recorder, a crest-stage gage, or by direct observation. Similarly, the minimum is the instantaneous minimum discharge, unless otherwise qualified, and was determined and reported in the same manner as the maximum.

The daily table of gage-height stations gives mean gage-height for each day. In the monthly summary, the line headed "MEAN" gives the average gage height during the month. The lines headed "MAX" and "MIN" provides the maximum and minimum daily gage heights, respectively, for the month.

Data for reservoirs are presented following the continuous-station data for the basin in which they are located. Month-end elevations, contents, and monthly and yearly change in contents are presented in tabular form following the reservoir station description.

Data collected at partial-record stations follow the information for continuous-record sites. If collected, data for partial-record discharge stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of discharge measurements at low-flow partial-record stations. The data contained in the partial-record station tables are often supplemented by information gathered at miscellaneous sites that are neither continuous record nor partial-record stations. This information is presented in tables similar to those for the partial-record stations and the table headings explain the data that are shown.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified either by flagging individual daily values with the letter symbol "e" and printing a table footnote, "e Estimated," or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

Accuracy of the Records

The accuracy of streamflow records depends primarily on: (1) The stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements; and (2) the accuracy of measurements of stage, measurement of discharge, and interpretation of records.

The accuracy attributed to the records is indicated under "REMARKS". "Excellent" means that about 95 percent of the daily discharges are within 5 percent of the true; "good," within 10 percent; and "fair," within 15 percent. Records that do not meet the criteria mentioned are rated "poor." Different accuracies may be attributed to different parts of a given record.

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for values less than 1 ft3/s; to the nearest tenth between 1.0 and 10 ft3/s; to the nearest whole numbers between 10 and 1,000 ft3/s; and to 3 significant figures for values more than 1,000 ft3/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharges listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, and increase or decrease in evaporation due to artificial causes or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff, in inches, are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Records Available

Information used in the preparation of the records in this publication, such as discharge-measurement notes, gage-height records, temperature measurements, and rating tables are on file in the Georgia District office. Also, most of the daily mean discharges are in computer-readable form, and have been analyzed statistically. Information on the availability of the unpublished information or on the results of statistical analyses of the published records may be obtained from the District office.

The National Water Data Exchange (NAWDEX), U.S. Geological Survey, Reston, VA 22092, indexes the water data available from more than 400 organizations, and serves as a focal point to help those in need of water data to determine what information is available. Information and assistance on how to use this system can be obtained from the Georgia District office.

Records of Surface-Water Quality

Records of surface-water quality are usually obtained at or near stream-gaging stations because interpretation of records of surface-water quality nearly always requires corresponding discharge data. Records of surface-water quality in this report may involve a variety of types of data and measurement frequencies.

Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A continuing-record station is a site where data are collected on a regularly scheduled basis. Frequency may be once or more times daily, weekly, monthly, quarterly or semi-annually. A periodic-record station is a site where limited water-quality data are collected systematically over a period of years. Frequency of sampling is usually less than quarterly. A miscellaneous station is a site other than a continuous or periodic-record station, where random samples are collected to give better areal coverage to define water-quality conditions in the river basin.

A careful distinction needs to be made between "continuing records", as used in this report, and "continuous recordings," which refers to a continuous graph or a series of discrete values punched at short intervals on a paper tape. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only

monthly or less frequently. Locations of stations for which records on the quality of surface-water appear in this report are displayed by activating the appropriate theme coverage.

On-Site Measurements and Sample Collection

A primary concern of the water-quality data acquisition efforts of the U.S. Geological Survey is how well the data collected represent on-site water-quality conditions. Measurements of unstable variables such as water temperature, pH, and dissolved oxygen are made on site when samples are taken to assure that the reported readings accurately represent the water-quality at the time of sampling. Standard U.S. Geological Survey procedures for the collection, treatment, and, if necessary, shipment of samples prior to laboratory analysis are also followed to assure that the constituents for which these samples are analyzed have changed minimally from their on-site values. These representative sampling procedures are documented in publications on "Techniques of Water-Resources Investigations," Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. These TWRI's are listed in the "Publications on Techniques of Water-Resources Investigations" section of this report. The procedures are consistent with ASTM standards and generally follow ISO standards. Supplemental information to that found in the listed references may be obtained from the U.S. Geological Survey, Georgia District Office.

One sample can adequately define the water quality at a given time if the mixture of solutes throughout the stream cross-section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load. All samples obtained for the National Stream-Quality Accounting Network (NASQAN) program are obtained from at least several verticals. Whether samples collected at other sites are obtained from the centroid of flow or from several verticals, depends on flow conditions and other factors that must be evaluated by the collector.

Water Temperature

Water temperatures are measured at the water-quality stations, and are also obtained at the time of discharge measurements for water-discharge stations. At stations where recording instruments are used, maximum and minimum temperatures for each day are published. Daily-mean temperatures for these stations and water temperatures measured at the time of water-discharge measurements are on file in the District Office.

Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharge.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples are usually obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross section. Although data collected periodically may represent conditions only at the time of sampling, data are useful in establishing seasonal relations between quality and streamflow and in predicting long-term sediment-discharge characteristics of a stream. The methods used in the

computation of sediment records are described in the TWRI Book 5, Chapter C1 and are consistent with ASTM standards and generally follow ISO standards.

In addition to the records of suspended-sediment discharge, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included for some stations.

Laboratory Measurements

Samples for indicator bacteria are analyzed locally. Samples for the National Stream-Quality Accounting Network, the Hydrologic Benchmark Network (see definitions), and several long-term trend stations are analyzed in the U.S. Geological Survey laboratory in Arvada, Co. The Alabama District Sediment Laboratory or the Pennsylvania District Sediment Laboratory analyzes all sediment samples. Georgia Environmental Protection Division (EPD) network samples are analyzed by the Laboratory Services Section, Georgia Department of Natural Resources, Environmental Protection Division, and this is so stated in the "Remarks" section of the station description. Methods used to analyze sediment samples and to compute sediment records are described in the TWRI Book 5, Chapter C1. Methods used by the U.S. Geological Survey laboratories are given in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, A4, and A5. These methods are consistent with ASTM standards and generally follow ISO standards.

Data Presentation

Water-quality records collected at a surface-water daily-record station are published immediately following that record, regardless of the sampling frequency. Station number and name are the same for both records. If no daily surface-water record is available, continuing water-quality record is published with its own station number and name in the regular downstream-order sequence, while data for partial-record stations and miscellaneous sites appear in separate tables following tables of discharge at partial-record stations and miscellaneous sites. Here each partial-record station and miscellaneous site is published with its own station number and name in the regular downstream-order sequence and without descriptive statements.

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for constituents measured daily. Tables of chemical, physical, biological, and radiochemical data obtained at a frequency less than daily are presented first. In tables where both field and laboratory measurements of the same parameter are published (pH, specific conductance, and total alkalinity in this report), the laboratory determinations represent the quality of the sample at the time of analysis. Laboratory values for parameters measured in the field generally will be comparable to the field values for these parameters. Differences between the field and laboratory values represent a summation of (1) actual changes in the sample between the time of collection and the time of analysis, (2) errors in precision associated with instrument operation, and (3) errors in accuracy inherent in the instruments themselves. Tables of "daily values" of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

If the location is identical to that of the discharge-gaging station, the LOCATION and the DRAINAGE AREA statements are not repeated in the descriptive headings. The following information, as appropriate, is provided with each continuing record station. Comments that follow clarify information presented under the various headings of the station description:

LOCATION.--See Data Presentation under "Records of Stage and Water Discharge;" same comments apply.

DRAINAGE AREA.--See Data Presentation under "Records of Stage and Water Discharge;" same comments apply.

PERIOD OF RECORD.--This indicates the periods for which there are published water-quality records for the station. The periods are shown separately for records of constituents measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the constituents individually.

EXTREMES.--Maximums and minimums are given only for constituents measured daily or more frequently. None are given for constituents measured weekly or less frequently, because the true maximums or minimums may not have been sampled. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.--If errors in water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to insure the most recent updates.

Remark Codes

The following remark codes may appear with the water-quality data in this section:

PRINTED OUTPUT	REMARK
E	Value is estimated.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
M	Presence of material verified, but not quantified.
N	Presumptive evidence of presence of material.
U	Material specifically analyzed for, but not detected.
A	Value is an average.
V	Analyte was detected in both the environmental sample and the associated blanks.
S	Most probable value.

Records of Ground-Water Levels

Water-level data from National and State networks of observation wells are given in this report. These data are intended to provide a sampling and historical record of water-level changes in the State's most important aquifers.

In this report, water levels records are presented for 156 wells that have continuous water-level data. In addition to these data, water level and other records for about 1,400 wells throughout Georgia are obtained through cooperative efforts of many Federal, State, and local agencies and placed in the USGS National Water Information System. Each year, the Georgia District and the Georgia Department of Natural Resources, Environmental Protection Division, Geologic Survey Branch, publish a report for the previous calendar year entitled "Ground-Water Conditions for Georgia". This report contains water level hydrographs for recorder wells, maps showing water level changes from the previous year, and other useful information. Details about the availability of the data in the water-level file may be obtained from the District Chief, U.S. Geological Survey, Georgia District.

Data Collection and Computation

Measurements of water levels are made in many types of wells under varying conditions, but the methods of measurement are standardized to the extent possible. The equipment and measuring techniques used ensure that measurements at each well are consistently accurate and reliable.

Tables of water-level data are presented by aquifer and alphabetically by county. The primary site identification number for a given well is the 15-digit number that appears in header of the manuscript. The secondary identification number is the site name, derived according to a well-numbering system developed by the Georgia District Office and based on the USGS index of 71/2-minute topographic maps for Georgia. A matrix has been created to assign an alphanumeric designation to each topographic map in the State, with the column of maps covering the western-most portion of the State assigned the number "01" and the row of maps covering the southern-most portion of the State assigned the letter "A". Column numbers increase sequentially from west to east, and row letters advance alphabetically from south to north. Rows north of "Z" are designated by double letters; AA, BB, and so forth. The letters "I", "O", "II", and "OO" are not used. Each well in each 71/2-minute quadrangle has been assigned a six-character designation consisting first of the column number, then of the row letter, or letters, of the quadrangle in which the well is located. The remaining digits of the local well number are assigned chronologically. The first well inventoried within the boundaries of a quadrangle is number 1. The number 1 is preceded by two zeros if the well is located on a quadrangle with a single-letter designation, and it is preceded by one zero if the well is located on a quadrangle with a double-letter designation. For example, the first well inventoried in the 08G quadrangle is designated the local well number 08G001, or the fourth well inventoried in the 11AA quadrangle is designated the local well number 11AA04.

Water-level records are obtained with devices that record water levels at selected time intervals. The water-level measurements in this report are given in feet with reference to land-surface datum (LSD). LSD is a datum plane that is approximately at land surface at each well. If known, the elevation of the land-surface datum is given in the well description.

Data Presentation

Each well record consists of four parts: (1) the station description including the well diameter and depth, (2) graphs of the water levels for the period of record and current water year, (3) a summary table

of water levels for the current calendar year consisting of the "Mean", the average water level in feet for each month; the "Max" and "Min", the lowest and highest daily mean water levels, respectively, for each month, and for the period of record, and (4) a graph of the monthly mean for 2001 and the mean, max and min for the period of record. Monthly statistics are not computed nor graphed if more than 5 days of missing record occurs. If missing record occurs during the calendar year, it is implied that the highest and lowest water levels are the highest and lowest recorded during the year. If missing record occurs for the period of record, it is implied that the highest and lowest water levels are the highest and lowest recorded during the period of record.

AQUIFER.--Designates by name the aquifer(s) tapped by the well. A map showing the approximate area of aquifer use is included for each well

LATITUDE AND LONGITUDE.--Furnishes the latitude and longitude of the well in degrees minutes and seconds. The datum for these coordinates is the North American Datum of 1983 (NAD 83).

SITE NAME.--Furnishes the site name assigned according to the Georgia state well naming system described previously.

PERIOD OF RECORD.--This entry indicates the period for which there are published records for the well. It lists the year of the start and end of water-level data reported for a give well

WELL DEPTH.--This entry describes the depth of the well from land-surface datum

DATUM.--This entry describes the land-surface elevation at the well. The elevation of the land-surface datum is described in feet above (or below) mean sea level; it is reported with a precision depending on the method of determination.

WELL DIAMETER.--This entry describes the diameter of the well opened to the aquifer, in inches.

Hydrographs for selected periods of record follow the station description. The first graph is a hydrograph of daily mean water levels in feet above or below land-surface datum for the current calendar year. The second graph shows monthly-mean water levels for the period of record and the mean, maximum and minimum of the monthly values for the calendar year. Summary statistics of monthly and annual water levels is given in a table below this graph. The third hydrograph shows monthly mean water levels for the period-of-record in feet above or below land-surface datum. Blank areas on a graph or hydrograph indicate missing records.

ACCESS TO USGS WATER DATA

The U.S. Geological Survey (USGS) is the principal Federal water-data agency and, as such, collects and disseminates about 70 percent of the water data currently being used by numerous State, local, private, and other Federal agencies to develop and manage our water resources. The USGS provides near real-time stage and discharge data for many of the gaging stations equipped with the necessary telemetry and historic daily-mean and peak-flow discharge data for most current or discontinued gaging stations through the World Wide Web (WWW). Some water-quality and ground water data also are available through the WWW. These data may be accessed nation-wide at:

http://water.usgs.gov

In addition, considerable information concerning the water resources in Georgia can be accessed through the WWW at:

http://ga.water.usgs.gov

Data can also be provided in various machine-readable formats by email, floppy disk, or CD-ROM. Information about the availability of specific types of data or products, and user charges, can be obtained locally from the Georgia District Office at the following address:

District Chief, Water Resources Division
U.S. Geological Survey
Peachtree Business Center
3039 Amwiler Road, Suite 130
Atlanta, GA 30360-2824
(770) 903-9100

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow

The summary of hydrologic conditions for the 2003 water year for Georgia is based on the precipitation average totals from throughout the State and the daily mean streamflow from four "index" continuous streamflow gages operated by the U.S. Geological Survey (USGS). Precipitation data are referenced from a series of publications of the National Oceanic and Atmospheric Administration called *Climatological Data–Georgia,* October 2002 to September 2003, v. 106, no. 10 to v. 107, no 9. The nine divisions in these publications were divided to three main regions—north, central, and south, and then averaged. Precipitation departures are calculated by comparing the average monthly total to the historical average from the last 30 years. The four USGS index streamflow gages are 02226000 Altamaha River at Doctortown, Ga.; 02317500 Alapaha River at Statenville, Ga.; 02347500 Flint River near Culloden, Ga.; and 02392000 Etowah River at Canton, Ga. Normal streamflow conditions represent the 25–75 percentile range of historical mean streamflow.

For the 2003 water year, the average total precipitation Statewide was 65.58 inches, which represents a excess of 14.03 inches. The north region recorded the highest average precipitation excess of 15.89 inches. Above average rainfall, which began during September 2002 continued throughout most of the 2003 water year, brought to an end a severe 4-year drought that affected Georgia. All four index streamflow stations recorded above-normal streamflow conditions for the majority of the year.

During October through December, all regions of the State recorded precipitation totals above normal. The departures from normal ranged from 0.56 inches in the central region during December to 2.63 inches in the north region during December. All four index streamflow stations recorded at or above-normal streamflows for this period, with the Alapaha River at Statenville station recording a monthly streamflow in December that was five times the normal.

During January, below-normal precipitation amounts occurred in all regions of the State, with the north and central regions recording deficits of 2.60 inches each, and the south region recording a deficit of 3.23 inches. Each of the index streamgaging stations recorded at or below normal streamflow conditions, with the Flint River near Culloden station recording a monthly mean streamflow of 1,380 cubic feet per second (cfs), which was only 34 percent of normal.

During February, average precipitation amounts across the State were just 0.77 inches above normal. All four stations recorded normal monthly mean streamflow conditions.

The month of March had higher precipitation conditions in the central and south regions of the State. The north region only recorded 5.49 inches of precipitation, which was 0.70 inches below normal. This rainfall pattern was verified with streamflow conditions at the Etowah at Canton station near normal, while the other three index stations were well in excess.

From April to August, precipitation began a very wet pattern of rainfall that was above normal throughout the State of Georgia. All index streamflow stations were at or above-normal streamflow conditions during this period, with many sites two to three times their historical average. The Alapaha River at Statenville station recorded a monthly mean streamflow during August of 2,808 cfs, which was almost seven times the historical average. Some other notable events were a highest 1-day rain total of 6.00 inches on May 8th at West Point, Georgia, which contributed to a significant flood event along the Middle Chattahoochee River. Also, a number of USGS crest-stage and newer continuous streamflow stations set new period-of-record maximum streamflows during this period.

During September, slightly below-normal rainfall conditions returned, with an average statewide deficit of 0.63 inches. However, with the excessive rainfall from the previous months, streamflow conditions remained well above average at all four index stations.

Ground Water

The hydrographs in this section of the report provide an overview of ground-water levels in major aquifers in Georgia during 2003. Changes in ground-water levels measured in wells are caused by changes in aquifer storage. Taylor and Alley (2001) describe the many factors that affect ground-water storage, and these are briefly discussed here. When recharge to an aquifer exceeds discharge, ground-water levels rise; and when discharge exceeds recharge, ground-water levels decline. Recharge varies in response to precipitation and surface-water infiltration into an aquifer. Discharge occurs as natural flow from an aquifer to streams and springs, as evapotranspiration, and as withdrawal from wells.

Water levels in aquifers in Georgia typically follow a cyclic pattern of seasonal fluctuation, with rising water levels during winter and spring due to greater recharge from precipitation, and declining water levels during summer and fall due to less recharge, greater evapotranspiration, and pumping. The magnitude of fluctuations can vary greatly from season to season and from year to year in response to varying climatic conditions.

Ground-water pumping is the most significant human activity that affects the amount of ground water in storage and the rate of discharge from an aquifer (Taylor and Alley, 2001). As ground-water storage is depleted within the radius of influence of pumping, water levels in the aquifer decline, forming a cone of depression around the well. In areas having a high density of pumped wells, multiple cones of depression can form and produce water-level declines across a large area. These declines may alter ground-water-flow directions, reduce flow to streams, capture water from a stream or adjacent aquifer, or alter ground-water quality.

Ground-water levels are monitored continuously in a network of wells completed in major aquifers of the State. This network includes, but is not limited to, 18 wells in the surficial aquifer, 16 wells in the upper and lower Brunswick aquifers, 63 wells in the Upper Floridan aquifer, 15 wells in the Lower Floridan aquifer and underlying units, 12 wells in the Claiborne aquifer, 1 well in the Gordon aquifer, 11 wells in the Clayton aquifer, 12 wells in the Cretaceous aquifer system, 2 wells in Paleozoic-rock aquifers, and 6 wells in crystalline-rock aquifers. In this report, data from these 156 wells were evaluated to determine whether mean-annual ground-water levels were within, below, or above the normal range during 2003. This evaluation indicates that water levels during 2003 were mostly at or above normal in almost all aquifers monitored, largely reflecting climatic effects from the end of the drought and reduced pumping.

Reference Cited

Taylor, C.J., and Alley, W.M., 2001, Ground-water-level monitoring and the importance of long-term water-level data: U.S. Geological Survey Circular 1217, 68 p.

Water Quality

Chemical water-quality network data collection continued throughout the calendar year in cooperation with the Georgia Department of Natural Resources, Environmental Protection Division (GaEPD). All water-quality data collection was in accordance with the approach to water protection recommended by the GaEPD River-Basin Management Plan (RBMP). The RBMP was in its ninth year of implementation. For the statewide USGS-GaEPD water-quality network of stations, data were collected up to 22 times at each of the 130 stations on a calendar-year basis with emphasis on collecting data at stations in the "South Georgia 4" RBMP basin-of-focus, which is comprised of the St. Marys, Satilla, Suwannee, and Ochlockonee River Basins. Major ion and nutrient samples were collected once monthly at each of 130 stations, which included 52 "core" and lake-standards stations that are long-term stations located throughout the State that are sampled each year, with 4 stations located in the 2003 RBMP basin-of-focus. Additionally, fecal coliform samples were collected at each of the 130 stations, such that four samples were collected in a 30-day period once quarterly; and 2 trace-metal samples were collected at each of the 82 stations in the RBMP basin-of-focus. This report contains data collected during the 2003 calendar year for the USGS-GaEPD network and other data collected in cooperation with the GaEPD in support of river-basin water-resources planning and management. These data also are supplemented by data from other USGS water-quality programs such as National Water-Quality Assessment (NAWQA). Large parts of the Georgia–Florida Coastal Plain and Apalachicola–Chattahoochee–Flint River Basin NAWQA study units are located in Georgia.

Water Use in Georgia

The Georgia Water-Use Program (GWUP), a cooperative project between the USGS and the Georgia Department of Natural Resources, Environmental Protection Division, Georgia Geologic Survey, has documented the use of water in the State since 1977. The primary purpose of the program is to collect, compile, and disseminate data on the principal water users in Georgia. Water-use data, compiled by various Federal, State and local agencies, are combined into a centralized database known as the Georgia Water-Use Data System (GWUDS). GWUDS contains permitted water-use information on public supplies, industrial and commercial supplies, and thermoelectric and hydroelectric uses from 1980-2003. The GWUP personnel estimate water withdrawals for irrigation use by inches of water applied per crop and acre; domestic water use by population and per capita; and livestock water use by animal.

Georgia water law requires a withdrawal permit for all public-supply, industrial, and other water users that withdraw more than 100,000 gallons per day (gal/d). The Georgia Department of Natural Resources, Environmental Protection Division, Water Resources Management Branch (WRMB), is responsible for the issuance of all permits and enforcement of reporting requirements. Each year, water users are required to report monthly withdrawals to the WRMB. In 1988, the Georgia Legislature enacted a permitting law for irrigation water users that withdraw more than 100,000 gal/d; however, reporting of water-withdrawal amounts to the WRMB is not required.

Reported off-stream withdrawal for thermoelectric, public-supply, and industrial and commercial water-use categories totaled about 4,752 million gallons per day (Mgal/d) in 2003. Eighteen thermoelectric plants, the largest water users in Georgia, withdrew about 2,970 Mgal/d in 2003, a 350 Mgal/d decline since 2000. In 2000, during the height of the drought, greater demands were placed on thermoelectric power, therefore requiring larger water withdrawals. Over the last three years, one thermoelectric plant has closed and at least two other plants have greatly reduced their water withdrawals. Permitted withdrawals by public-supply systems totaled about 1,120 Mgal/d, of which about 80 percent were from surface-water sources. Permitted withdrawals by industrial and commercial users totaled about 670 Mgal/d. The major types of industrial users in Georgia include paper, textiles, chemicals, stone and clay, and mining.

DEFINITION OF TERMS

Specialized technical terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. Definitions of common terms such as algae, water level, and precipitation are given in standard dictionaries. Not all terms defined in this alphabetical list apply to every State. See also table for converting inch/pound units to International System (SI) units at the end of this report. Other glossaries that also define water-related terms are accessible from *http://water.usgs.gov/glossaries.html*.

Acid neutralizing capacity (ANC) is the equivalent sum of all bases or base-producing materials, solutes plus particulates, in an aqueous system that can be titrated with acid to an equivalence point. This term designates titration of an "unfiltered" sample (formerly reported as alkalinity).

Acre-foot (AC-FT, acre-ft) is a unit of volume, commonly used to measure quantities of water used or stored, equivalent to the volume of water required to cover 1 acre to a depth of 1 foot and equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters. (See also "Annual runoff")

Adenosine triphosphate (ATP) is an organic, phosphate-rich compound important in the transfer of energy in organisms. Its central role in living cells makes ATP an excellent indicator of the presence of living material in water. A measurement of ATP therefore provides a sensitive and rapid estimate of biomass. ATP is reported in micrograms per liter.

Adjusted discharge is discharge data that have been mathematically adjusted (for example, to remove the effects of a daily tidal cycle or reservoir storage).

Algal growth potential (AGP) is the maximum algal dry weight biomass that can be produced in a natural water sample under standardized laboratory conditions. The growth potential is the algal biomass present at stationary phase and is expressed as milligrams dry weight of algae produced per liter of sample. (See also "Biomass" and "Dry weight")

Alkalinity is the capacity of solutes in an aqueous system to neutralize acid. This term designates titration of a "filtered" sample.

Annual runoff is the total quantity of water that is discharged ("runs off") from a drainage basin in a year. Data reports may present annual runoff data as volumes in acre-feet, as discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches.

Annual 7-day minimum is the lowest mean value for any 7-consecutive-day period in a year. Annual 7-day minimum values are reported herein for the calendar year and the water year (October 1 through September 30). Most low-flow frequency analyses use a climatic year (April 1-March 31), which tends to prevent the low-flow period from being artificially split between adjacent years. The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day, 10-year low-flow statistic.)

Aroclor is the registered trademark for a group of poly-chlorinated biphenyls that were manufactured by the Monsanto Company prior to 1976. Aroclors are assigned specific 4-digit reference numbers dependent upon molecular type and degree of substitution of the biphenyl ring hydrogen atoms by chlorine atoms. The first two digits of a numbered aroclor represent the molecular type, and the last two digits represent the percentage weight of the hydrogen-substituted chlorine.

Artificial substrate is a device that is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplifies the community structure by standardizing the substrate from which each sample is collected. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multiplate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection. (See also "Substrate")

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500 °C for 1 hour. Ash mass of zooplankton and phytoplankton is expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms in grams per square meter (g/m^2). (See also "Biomass" and "Dry mass")

Aspect is the direction toward which a slope faces with respect to the compass.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, whereas others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Bankfull stage, as used in this report, is the stage at which a stream first overflows its natural banks formed by floods with 1- to 3-year recurrence intervals.

Base discharge (for peak discharge) is a discharge value, determined for selected stations, above which peak discharge data are published. The base discharge at each station is selected so that an average of about three peak flows per year will be published. (See also "Peak flow")

Base flow is sustained flow of a stream in the absence of direct runoff. It includes natural and human-induced streamflows. Natural base flow is sustained largely by ground-water discharge.

Bedload is material in transport that is supported primarily by the streambed. In this report, bedload is considered to consist of particles in transit from the bed to an elevation equal to the top of the bedload sampler nozzle (ranging from 0.25 to 0.5 foot) that are retained in the bedload sampler. A sample collected with a pressure-differential bedload sampler also may contain a component of the suspended load.

Bedload discharge (tons per day) is the rate of sediment moving as bedload, reported as dry weight, that passes through a cross section in a given time. NOTE: Bedload discharge values in this report may include a component of the suspended-sediment discharge. A correction may be necessary when computing the total sediment discharge by summing the bedload discharge and the suspended-sediment discharge. (See also "Bedload," "Dry weight," "Sediment," and "Suspended-sediment discharge")

Bed material is the sediment mixture of which a streambed, lake, pond, reservoir, or estuary bottom is composed. (See also "Bedload" and "Sediment")

Benthic organisms are the group of organisms inhabiting the bottom of an aquatic environment. They include a number of types of organisms, such as bacteria, fungi, insect larvae and nymphs, snails, clams, and crayfish. They are useful as indicators of water quality.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by microorganisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as mass per unit area or volume of habitat.

Biomass pigment ratio is an indicator of the total proportion of periphyton that are autotrophic (plants). This is also called the Autotrophic Index.

Blue-green algae (*Cyanophyta*) are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water. Concentrations are expressed as a number of cells per milliliter (cells/mL) of sample. (See also "Phytoplankton")

Bottom material (See "Bed material")

Bulk electrical conductivity is the combined electrical conductivity of all material within a doughnut-shaped volume surrounding an induction probe. Bulk conductivity is affected by different physical and chemical properties of the material including the dissolved solids content of the pore water and lithology and porosity of the rock.

Canadian Geodetic Vertical Datum 1928 is a geodetic datum derived from a general adjustment of Canada's first order level network in 1928.

Cells/volume refers to the number of cells of any organism that is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample volume, and are generally reported as cells or units per milliliter (mL) or liter (L).

Cells volume (biovolume) determination is one of several common methods used to estimate biomass of algae in aquatic systems. Cell members of algae are frequently used in aquatic surveys as an indicator of algal production. However, cell numbers alone cannot represent true biomass because of considerable cell-size variation among the algal species. Cell volume (μm^3) is determined by obtaining critical cell measurements or cell dimensions (for example, length, width, height, or radius) for 20 to 50 cells of each important species to obtain an average biovolume per cell. Cells are categorized according to the correspondence of their cellular shape to the nearest geometric solid or combinations of simple solids (for example, spheres, cones, or cylinders). Representative formulae used to compute biovolume are as follows:

$$\text{sphere } 4/3\pi r^3 \quad \text{cone } 1/3\ \pi r^3 h \quad \text{cylinder } \pi r^3 h.$$

pi (π) is the ratio of the circumference to the diameter of a circle; pi = 3.14159….

From cell volume, total algal biomass expressed as biovolume (μm^3/mL) is thus determined by multiplying the number of cells of a given species by its average cell volume and then summing these volumes for all species.

Cfs-day (See "Cubic foot per second-day")

Channel bars, as used in this report, are the lowest prominent geomorphic features higher than the channel bed.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with BOD or with carbonaceous organic pollution from sewage or industrial wastes. [See also "Biochemical oxygen demand (BOD)"]

Clostridium perfringens *(C. perfringens)* is a spore-forming bacterium that is common in the feces of human and other warm-blooded animals. Clostridial spores are being used experimentally as an indicator of past fecal contamination and presence of microorganisms that are resistant to disinfection and environmental stresses. (See also "Bacteria")

Coliphages are viruses that infect and replicate in coliform bacteria. They are indicative of sewage contamination of water and of the survival and transport of viruses in the environment.

Color unit is produced by 1 milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Confined aquifer is a term used to describe an aquifer containing water between two relatively impermeable boundaries. The water level in a well tapping a confined aquifer stands above the top of the confined aquifer and can be higher or lower than the water table that may be present in the material above it. In some cases, the water level can rise above the ground surface, yielding a flowing well.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Continuous-record station is a site where data are collected with sufficient frequency to define daily mean values and variations within a day.

Control designates a feature in the channel that physically affects the water-surface elevation and thereby determines the stage-discharge relation at the gage. This feature may be a constriction of the channel, a bedrock outcrop, a gravel bar, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure, as used in this report, is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

Cubic foot per second (CFS, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point in 1 second. It is equivalent to approximately 7.48 gallons per second or approximately 449 gallons per minute, or 0.02832 cubic meters per second. The term "second-foot" sometimes is used synonymously with "cubic foot per second" but is now obsolete.

Cubic foot per second-day (CFS-DAY, Cfs-day, [$(ft^3/s)/d$]) is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.98347 acre-feet, 646,317 gallons, or 2,446.6 cubic meters. The daily mean discharges reported in the daily value data tables are numerically equal to the daily volumes in cfs-days, and the totals also represent volumes in cfs-days.

Cubic foot per second per square mile [CFSM, $(ft^3/s)/mi^2$] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area. (See also "Annual runoff")

Daily mean suspended-sediment concentration is the time-weighted concentration of suspended sediment passing a stream cross section during a 24-hour day. (See also "Sediment" and "Suspended-sediment concentration")

Daily-record station is a site where data are collected with sufficient frequency to develop a record of one or more data values per day. The frequency of data collection can range from continuous recording to periodic sample or data collection on a daily or near-daily basis.

Data collection platform (DCP) is an electronic instrument that collects, processes, and stores data from various sensors, and transmits the data by satellite data relay, line-of-sight radio, and/or landline telemetry.

Data logger is a microprocessor-based data acquisition system designed specifically to acquire, process, and store data. Data are usually downloaded from onsite data loggers for entry into office data systems.

Datum is a surface or point relative to which measurements of height and/or horizontal position are reported. A vertical datum is a horizontal surface used as the zero point for measurements of gage height, stage, or elevation; a horizontal datum is a reference for positions given in terms of latitude-longitude, State Plane coordinates, or UTM coordinates. (See also "Gage datum," "Land-surface datum," "National Geodetic Vertical Datum of 1929," and "North American Vertical Datum of 1988")

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells per milliliter (cells/mL) of sample. (See also "Phytoplankton")

Diel is of or pertaining to a 24-hour period of time; a regular daily cycle.

Discharge, or **flow**, is the rate that matter passes through a cross section of a stream channel or other water body per unit of time. The term commonly refers to the volume of water (including, unless otherwise stated, any sediment or other constituents suspended or dissolved in the water) that passes a cross section in a stream channel, canal, pipeline, etc., within a given period of time (cubic feet per second). Discharge also can apply to the rate at which constituents, such as suspended sediment, bedload, and dissolved or suspended chemicals, pass through a cross section, in which cases the quantity is expressed as the mass of constituent that passes the cross section in a given period of time (tons per day).

Dissolved refers to that material in a representative water sample that passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal and State agencies that collect water-quality data. Determinations of "dissolved" constituent concentrations are made on sample water that has been filtered.

Dissolved oxygen (DO) is the molecular oxygen (oxygen gas) dissolved in water. The concentration in water is a function of atmospheric pressure, temperature, and dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved-solids concentration. Photosynthesis and respiration by plants commonly cause diurnal variations in dissolved-oxygen concentration in water from some streams.

Dissolved-solids concentration in water is the quantity of dissolved material in a sample of water. It is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. In the mathematical calculation, the bicarbonate value, in milligrams per liter, is multiplied by 0.4926 to convert it to carbonate. Alternatively, alkalinity concentration (as mg/L $CaCO_3$) can be converted to carbonate concentration by multiplying by 0.60.

Diversity index (H) (Shannon index) is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

$$\bar{d} = -\sum_{i\approx 1}^{s} \frac{n_i}{n} \log_2 \frac{n_i}{n}$$

where n_i is the number of individuals per taxon, n is the total number of individuals, and s is the total number of taxa in the sample of the community. Index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

Drainage area of a stream at a specific location is that area upstream from the location, measured in a horizontal plane, that has a common outlet at the site for its surface runoff from precipitation that normally drains by gravity into a stream. Drainage areas given herein include all closed basins, or noncontributing areas, within the area unless otherwise specified.

Drainage basin is a part of the Earth's surface that contains a drainage system with a common outlet for its surface runoff. (See "Drainage area")

Dry mass refers to the mass of residue present after drying in an oven at 105 °C, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as ash mass. (See also "Ash mass," "Biomass," and "Wet mass")

Dry weight refers to the weight of animal tissue after it has been dried in an oven at 65 °C until a constant weight is achieved. Dry weight represents total organic and inorganic matter in the tissue. (See also "Wet weight")

Embeddedness is the degree to which gravel-sized and larger particles are surrounded or enclosed by finer-sized particles. (See also "Substrate embeddedness class")

Enterococcus bacteria are commonly found in the feces of humans and other warm-blooded animals. Although some strains are ubiquitous and not related to fecal pollution, the presence of Enterococcus in water is an indication of fecal pollution and the possible presence of enteric pathogens. Enterococcus bacteria are those bacteria that produce pink to red colonies with black or reddish-brown precipitate after incubation at 41 °C on mE agar (nutrient medium for bacterial growth) and subsequent transfer to EIA medium. Enterococci include *Streptococcus feacalis, Streptococcus feacium, Streptococcus avium,* and their variants. (See also "Bacteria")

EPT Index is the total number of distinct taxa within the insect orders Ephemeroptera, Plecoptera, and Trichoptera. This index summarizes the taxa richness within the aquatic insects that are generally considered pollution sensitive; the index usually decreases with pollution.

Escherichia coli *(E. coli)* are bacteria present in the intestine and feces of warm-blooded animals. *E. coli* are a member species of the fecal coliform group of indicator bacteria. In the laboratory, they are defined as those bacteria that produce yellow or yellow-brown colonies on a filter pad saturated with urea substrate broth after primary culturing for 22 to 24 hours at 44.5 °C on mTEC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

Estimated (E) concentration value is reported when an analyte is detected and all criteria for a positive result are met. If the concentration is less than the method detection limit (MDL), an 'E' code will be reported with the value. If the analyte is qualitatively identified as present, but the quantitative determination is substantially more uncertain, the National Water Quality Laboratory will identify the result with an 'E' code even though the measured value is greater than the MDL. A value reported with an 'E' code should be used with caution. When no analyte is detected in a sample, the default reporting value is the MDL preceded by a less than sign (<).

Euglenoids (*Euglenophyta*) are a group of algae that are usually free-swimming and rarely creeping. They have the ability to grow either photosynthetically in the light or heterotrophically in the dark. (See also "Phytoplankton")

Extractable organic halides (EOX) are organic compounds that contain halogen atoms such as chlorine. These organic compounds are semivolatile and extractable by ethyl acetate from air-dried streambed sediment. The ethyl acetate extract is combusted, and the concentration is determined by microcoulometric determination of the halides formed. The concentration is reported as micrograms of chlorine per gram of the dry weight of the streambed sediment.

Fecal coliform bacteria are present in the intestines or feces of warm-blooded animals. They often are used as indicators of the sanitary quality of the water. In the laboratory, they are defined as all organisms that produce blue colonies within 24 hours when incubated at 44.5 °C plus or minus 0.2 °C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

Fecal streptococcal bacteria are present in the intestines of warm-blooded animals and are ubiquitous in the environment. They are characterized as gram-positive, cocci bacteria that are capable of growth in brain-heart infusion broth. In the laboratory, they are defined as all the organisms that produce red or pink colonies within 48 hours at 35 °C plus or minus 1.0 °C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

Fire algae (*Pyrrhophyta*) are free-swimming unicells characterized by a red pigment spot. (See also "Phytoplankton")

Flow-duration percentiles are values on a scale of 100 that indicate the percentage of time for which a flow is not exceeded. For example, the 90th percentile of river flow is greater than or equal to 90 percent of all recorded flow rates.

Gage datum is a horizontal surface used as a zero point for measurement of stage or gage height. This surface usually is located slightly below the lowest point of the stream bottom such that the gage height is usually slightly greater than the maximum depth of water. Because the gage datum itself is not an actual physical object, the datum usually is defined by specifying the elevations of permanent reference marks such as bridge abutments and survey monuments, and the gage is set to agree with the reference marks. Gage datum is a local datum that is maintained independently of any national geodetic datum. However, if the elevation of the gage datum relative to the national datum (North American Vertical Datum of 1988 or National Geodetic Vertical Datum of 1929) has been determined, then the gage readings can be converted to elevations above the national datum by adding the elevation of the gage datum to the gage reading.

Gage height (G.H.) is the water-surface elevation, in feet above the gage datum. If the water surface is below the gage datum, the gage height is negative. Gage height often is used interchangeably with the more general term "stage," although gage height is more appropriate when used in reference to a reading on a gage.

Gage values are values that are recorded, transmitted, and/or computed from a gaging station. Gage values typically are collected at 5-, 15-, or 30-minute intervals.

Gaging station is a site on a stream, canal, lake, or reservoir where systematic observations of stage, discharge, or other hydrologic data are obtained.

Gas chromatography/flame ionization detector (GC/FID) is a laboratory analytical method used as a screening technique for semivolatile organic compounds that are extractable from water in methylene chloride.

Geomorphic channel units, as used in this report, are fluvial geomorphic descriptors of channel shape and stream velocity. Pools, riffles, and runs are types of geomorphic channel units considered for National Water-Quality Assessment (NAWQA) Program habitat sampling.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algae mats or floating "moss" in lakes. Their concentrations are expressed as number of cells per milliliter (cells/mL) of sample. (See also "Phytoplankton")

Habitat, as used in this report, includes all nonliving (physical) aspects of the aquatic ecosystem, although living components like aquatic macrophytes and riparian vegetation also are usually included. Measurements of habitat are typically made over a wider geographic scale than are measurements of species distribution.

Habitat quality index is the qualitative description (level 1) of in stream habitat and riparian conditions surrounding the reach sampled. Scores range from 0 to 100 percent with higher scores indicative of desirable habitat conditions for aquatic life. Index only applicable to wadable streams.

Hardness of water is a physical-chemical characteristic that commonly is recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents of polyvalent cations (primarily calcium and magnesium) and is expressed as the equivalent concentration of calcium carbonate ($CaCO_3$).

High tide is the maximum height reached by each rising tide. The high-high and low-high tides are the higher and lower of the two high tides, respectively, of each tidal day. *See NOAA web site: http://www.co-ops.nos.noaa.gov/tideglos.html*

Hilsenhoff's Biotic Index (HBI) is an indicator of organic pollution that uses tolerance values to weight taxa abundances; usually increases with pollution. It is calculated as follows:

$$HBI = sum \frac{(n)(a)}{N},$$

where n is the number of individuals of each taxon, *a* is the tolerance value of each taxon, and *N* is the total number of organisms in the sample.

Horizontal datum (See "Datum")

Hydrologic index stations referred to in this report are continuous-record gaging stations that have been selected as representative of streamflow patterns for their respective regions. Station locations are shown on index maps.

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as defined by the former Office of Water Data Coordination and delineated on the State Hydrologic Unit Maps by the USGS. An 8-digit number identifies each hydrologic unit.

Inch (IN., in.), as used in this report, refers to the depth to which the drainage area would be covered with water if all of the runoff for a given time period were uniformly distributed on it. (See also "Annual runoff")

Instantaneous discharge is the discharge at a particular instant of time. (See also "Discharge")

International Boundary Commission Survey Datum refers to a geodetic datum established at numerous monuments along the United States-Canada boundary by the International Boundary Commission.

Island, as used in this report, is a mid-channel bar that has permanent woody vegetation, is flooded once a year on average, and remains stable except during large flood events.

Laboratory reporting level (LRL) is generally equal to twice the yearly-determined long-term method detection level (LT-MDL). The LRL controls false negative error. The probability of falsely reporting a nondetection for a sample that contained an analyte at a concentration equal to or greater than the LRL is predicted to be less than or equal to 1 percent. The value of the LRL will be reported with a "less than" (<) remark code for samples in which the analyte was not detected. The National Water Quality Laboratory (NWQL) collects quality-control data from selected analytical methods on a continuing basis to determine LT-MDLs and to establish LRLs. These values are reevaluated annually on the basis of the most current quality-control data and, therefore, may change. [Note: In several previous NWQL documents (NWQL Technical Memorandum 98.07, 1998), the LRL was called the nondetection value or NDV—a term that is no longer used.]

Land-surface datum (lsd) is a datum plane that is approximately at land surface at each ground-water observation well.

Latent heat flux (often used interchangeably with latent heat-flux density) is the amount of heat energy that converts water from liquid to vapor (evaporation) or from vapor to liquid (condensation) across a specified cross-sectional area per unit time. Usually expressed in watts per square meter.

Light-attenuation coefficient, also known as the extinction coefficient, is a measure of water clarity. Light is attenuated according to the Lambert-Beer equation:

$$I = I_o e^{-\lambda L},$$

where I_o is the source light intensity, I is the light intensity at length L (in meters) from the source, λ is the light-attenuation coefficient, and e is the base of the natural logarithm. The light-attenuation coefficient is defined as

$$\lambda = -\frac{1}{L}\log_e \frac{I}{I_o}$$

Lipid is any one of a family of compounds that are insoluble in water and that make up one of the principal components of living cells. Lipids include fats, oils, waxes, and steroids. Many environmental contaminants such as organochlorine pesticides are lipophilic.

Long-term method detection level (LT-MDL) is a detection level derived by determining the standard deviation of a minimum of 24 method detection limit (MDL) spike sample measurements over an extended period of time. LT-MDL data are collected on a continuous basis to assess year-to-year variations in the LT-MDL. The LT-MDL controls false positive error. The chance of falsely reporting a concentration at or greater than the LT-MDL for a sample that did not contain the analyte is predicted to be less than or equal to 1 percent.

Low tide is the minimum height reached by each falling tide. The high-low and low-low tides are the higher and lower of the two low tides, respectively, of each tidal day. See NOAA web site*: http://www.co-ops.nos.noaa.gov/tideglos.html*

Macrophytes are the macroscopic plants in the aquatic environment. The most common macrophytes are the rooted vascular plants that usually are arranged in zones in aquatic ecosystems and restricted in the area by the extent of illumination through the water and sediment deposition along the shoreline.

Mean concentration of suspended sediment (Daily mean suspended-sediment concentration) is the time-weighted concentration of suspended sediment passing a stream cross section during a given time period. (See also "Daily mean suspended-sediment concentration" and "Suspended-sediment concentration")

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period. (See also "Discharge")

Mean high or **low tide** is the average of all high or low tides, respectively, over a specific period.

Mean sea level is a local tidal datum. It is the arithmetic mean of hourly heights observed over the National Tidal Datum Epoch. Shorter series are specified in the name; for example, monthly mean sea level and yearly mean sea level. In order that they may be recovered when needed, such datums are referenced to fixed points known as benchmarks. (See also "Datum")

Measuring point (MP) is an arbitrary permanent reference point from which the distance to water surface in a well is measured to obtain water level.

Megahertz is a unit of frequency. One megahertz equals one million cycles per second.

Membrane filter is a thin microporous material of specific pore size used to filter bacteria, algae, and other very small particles from water.

Metamorphic stage refers to the stage of development that an organism exhibits during its transformation from an immature form to an adult form. This developmental process exists for most insects, and the degree of difference from the immature stage to the adult form varies from relatively slight to pronounced, with many intermediates. Examples of metamorphic stages of insects are egg-larva-adult or egg-nymph-adult.

Method detection limit (MDL) is the minimum concentration of a substance that can be measured and reported with 99-percent confidence that the analyte concentration is greater than zero. It is determined from the analysis of a sample in a given matrix containing the analyte. At the MDL concentration, the risk of a false positive is predicted to be less than or equal to 1 percent.

Method of Cubatures is a method of computing discharge in tidal estuaries based on the conservation of mass equation.

Methylene blue active substances (MBAS) are apparent detergents. The determination depends on the formation of a blue color when methylene blue dye reacts with synthetic anionic detergent compounds.

Micrograms per gram (UG/G, μg/g) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the element per unit mass (gram) of material analyzed.

Micrograms per kilogram (UG/KG, μg/kg) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the constituent per unit mass (kilogram) of the material analyzed. One microgram per kilogram is equivalent to 1 part per billion.

Micrograms per liter (UG/L, μg/L) is a unit expressing the concentration of chemical constituents in water as mass (micrograms) of constituent per unit volume (liter) of water. One thousand micrograms per liter is equivalent to 1 milligram per liter. One microgram per liter is equivalent to 1 part per billion.

Microsiemens per centimeter (US/CM, μS/cm) is a unit expressing the amount of electrical conductivity of a solution as measured between opposite faces of a centimeter cube of solution at a specified temperature. Siemens is the International System of Units nomenclature. It is synonymous with mhos and is the reciprocal of resistance in ohms.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in water as the mass (milligrams) of constituent per unit volume (liter) of water. Concentration of suspended sediment also is expressed in milligrams per liter and is based on the mass of dry sediment per liter of water-sediment mixture.

Minimum reporting level (MRL) is the smallest measured concentration of a constituent that may be reliably reported by using a given analytical method.

Miscellaneous site, miscellaneous station, or miscellaneous sampling site is a site where streamflow, sediment, and/or water-quality data or water-quality or sediment samples are collected once, or more often on a random or discontinuous basis to provide better areal coverage for defining hydrologic and water-quality conditions over a broad area in a river basin.

Most probable number (MPN) is an index of the number of coliform bacteria that, more probably than any other number, would give the results shown by the laboratory examination; it is not an actual enumeration. MPN is determined from the distribution of gas-positive cultures among multiple inoculated tubes.

Multiple-plate samplers are artificial substrates of known surface area used for obtaining benthic invertebrate samples. They consist of a series of spaced, hardboard plates on an eyebolt.

Nanograms per liter (NG/L, ng/L) is a unit expressing the concentration of chemical constituents in solution as mass (nanograms) of solute per unit volume (liter) of water. One million nanograms per liter is equivalent to 1 milligram per liter.

National Geodetic Vertical Datum of 1929 (NGVD of 1929) is a fixed reference adopted as a standard geodetic datum for elevations determined by leveling. It was formerly called "Sea Level Datum of 1929" or "mean sea level." Although the datum was derived from the mean sea level at 26 tide stations**,** it does not necessarily represent local mean sea level at any particular place. *See NOAA web site: http://www.ngs.noaa.gov/faq.shtml#WhatVD29VD88* (See "North American Vertical Datum of 1988")

Natural substrate refers to any naturally occurring immersed or submersed solid surface, such as a rock or tree, upon which an organism lives. (See also "Substrate")

Nekton are the consumers in the aquatic environment and consist of large free-swimming organisms that are capable of sustained, directed mobility.

Nephelometric turbidity unit (NTU) is the measurement for reporting turbidity that is based on use of a standard suspension of formazin. Turbidity measured in NTU uses nephelometric methods that depend on passing specific light of a specific wavelength through the sample.

North American Datum of 1927 (NAD 27) is the horizontal control datum for the United States that was defined by a location and azimuth on the Clarke spheroid of 1866.

North American Datum of 1983 (NAD 83) is the horizontal control datum for the United States, Canada, Mexico, and Central America that is based upon the adjustment of 250,000 points including 600 satellite Doppler stations that constrain the system to a geocentric origin. NAD 83 has been officially adopted as the legal horizontal datum for the United States by the Federal government.

North American Vertical Datum of 1988 (NAVD 1988) is a fixed reference adopted as the official civilian vertical datum for elevations determined by Federal surveying and mapping activities in the United States. This datum was established in 1991 by minimum-constraint adjustment of the Canadian**,** Mexican, and United States first-order terrestrial leveling networks.

Open or **screened interval** is the length of unscreened opening or of well screen through which water enters a well, in feet below land surface.

Organic carbon (OC) is a measure of organic matter present in aqueous solution, suspension, or bottom sediment. May be reported as dissolved organic carbon (DOC), particulate organic carbon (POC), or total organic carbon (TOC).

Organic mass or **volatile mass** of a living substance is the difference between the dry mass and ash mass and represents the actual mass of the living matter. Organic mass is expressed in the same units as for ash mass and dry mass. (See also "Ash mass," "Biomass," and "Dry mass")

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meter (m^2), acre, or hectare. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliter (mL) or liter (L). Numbers of planktonic organisms can be expressed in these terms.

Organochlorine compounds are any chemicals that contain carbon and chlorine. Organochlorine compounds that are important in investigations of water, sediment, and biological quality include certain pesticides and industrial compounds.

Parameter code is a 5-digit number used in the USGS computerized data system, National Water Information System (NWIS), to uniquely identify a specific constituent or property.

Partial-record station is a site where discrete measurements of one or more hydrologic parameters are obtained over a period of time without continuous data being recorded or computed. A common example is a crest-stage gage partial-record station at which only peak stages and flows are recorded.

Particle size is the diameter, in millimeters (mm), of a particle determined by sieve or sedimentation methods. The sedimentation method utilizes the principle of Stokes law to calculate sediment particle sizes. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube, sedigraph) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification, as used in this report, agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay	>0.00024 - 0.004	Sedimentation
Silt	>0.004 - 0.062	Sedimentation
Sand	>0.062 - 2.0	Sedimentation/sieve
Gravel	>2.0 - 64.0	Sieve
Cobble	>64 - 256	Manual measurement
Boulder	>256	Manual measurement

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. For the sedimentation method, most of the organic matter is removed, and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native water analysis.

Peak flow (peak stage) is an instantaneous local maximum value in the continuous time series of streamflows or stages, preceded by a period of increasing values and followed by a period of decreasing values. Several peak values ordinarily occur in a year. The maximum peak value in a year is called the annual peak; peaks lower than the annual peak are called secondary peaks. Occasionally, the annual peak may not be the maximum value for the year; in such cases, the maximum value occurs at midnight at the beginning or end of the year, on the recession from or rise toward a higher peak in the adjoining year. If values are recorded at a discrete series of times, the peak-recorded value may be taken as an approximation of the true peak, which may occur between the recording instants. If the values are recorded with finite precision, a sequence of equal recorded values may occur at the peak; in this case, the first value is taken as the peak.

Percent composition or **percent of total** is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, weight, mass, or volume.

Percent shading is a measure of the amount of sunlight potentially reaching the stream. A clinometer is used to measure left and right bank canopy angles. These values are added together, divided by 180, and multiplied by 100 to compute percentage of shade.

Periodic-record station is a site where stage, discharge, sediment, chemical, physical, or other hydrologic measurements are made one or more times during a year but at a frequency insufficient to develop a daily record.

Periphyton is the assemblage of microorganisms attached to and living upon submerged solid surfaces. Although primarily consisting of algae, they also include bacteria, fungi, protozoa, rotifers, and other small organisms. Periphyton are useful indicators of water quality.

Pesticides are chemical compounds used to control undesirable organisms. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides.

pH of water is the negative logarithm of the hydrogen-ion activity. Solutions with pH less than 7.0 standard units are termed “acidic,” and solutions with a pH greater than 7.0 are termed “basic.” Solutions with a pH of 7.0 are neutral. The presence and concentration of many dissolved chemical constituents found in water are affected, in part, by the hydrogen-ion activity of water. Biological processes including growth, distribution of organisms, and toxicity of the water to organisms also are affected, in part, by the hydrogen-ion activity of water.

Phytoplankton is the plant part of the plankton. They are usually microscopic, and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment and commonly are known as algae. (See also “Plankton”)

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactive nuclide represented by a curie (Ci). A curie is the quantity of radioactive nuclide that yields 3.7×10^{10} radioactive disintegrations per second (dps). A picocurie yields 0.037 dps, or 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers. Concentrations are expressed as a number of cells per milliliter (cells/mL) of sample.

Polychlorinated biphenyls (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Polychlorinated naphthalenes (PCNs) are industrial chemicals that are mixtures of chlorinated naphthalene compounds. They have properties and applications similar to polychlorinated biphenyls (PCBs) and have been identified in commercial PCB preparations.

Pool, as used in this report, is a small part of a stream reach with little velocity, commonly with water deeper than surrounding areas.

Primary productivity is a measure of the rate at which new organic matter is formed and accumulated through photo-synthetic and chemosynthetic activity of producer organisms (chiefly, green plants). The rate of primary production is estimated by measuring the amount of oxygen released (oxygen method) or the amount of carbon assimilated (carbon method) by the plants.

Primary productivity (carbon method) is expressed as milligrams of carbon per area per unit time [mg C/(m^2/time)] for periphyton and macrophytes or per volume [mg C/(m^3/time)] for phytoplankton. The carbon method defines the amount of carbon dioxide consumed as measured by radioactive carbon (carbon-14). The carbon-14 method is of greater sensitivity than the oxygen light and dark bottle method and is preferred for use with unenriched water samples. Unit time may be either the hour or day, depending on the incubation period. (See also "Primary productivity")

Primary productivity (oxygen method) is expressed as milligrams of oxygen per area per unit time [mg O/(m^2/ time)] for periphyton and macrophytes or per volume [mg O/(m^3/time)] for phytoplankton. The oxygen method defines production and respiration rates as estimated from changes in the measured dissolved-oxygen concentration. The oxygen light and dark bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either the hour or day, depending on the incubation period. (See also "Primary productivity")

Radioisotopes are isotopic forms of elements that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus; for example, ordinary chlorine is a mixture of isotopes having atomic weights of 35 and 37, and the natural mixture has an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

Reach, as used in this report, is a length of stream that is chosen to represent a uniform set of physical, chemical, and biological conditions within a segment. It is the principal sampling unit for collecting physical, chemical, and biological data.

Recoverable from bed (bottom) material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results. (See also "Bed material")

Recurrence interval, also referred to as return period, is the average time, usually expressed in years, between occurrences of hydrologic events of a specified type (such as exceedances of a specified high flow or nonexceedance of a specified low flow). The terms "return period" and "recurrence interval" do not imply regular cyclic occurrence. The actual times between occurrences vary randomly, with most of the times being less than the average and a few being substantially greater than the average. For example, the 100-year flood is the flow rate that is exceeded by the annual maximum peak flow at intervals whose average length is 100 years (that is, once in 100 years, on average); almost two-thirds of all exceedances of the 100-year flood occur less than 100 years after the previous exceedance, half occur less than 70 years after the previous exceedance, and about one-eighth occur more than 200 years after the previous exceedance. Similarly, the 7-day, 10-year low flow ($7Q_{10}$) is the flow rate below which the annual minimum 7-day-mean flow dips at intervals whose average length is 10 years (that is, once in 10years, on average); almost two-thirds of the nonexceedances of the $7Q_{10}$ occur less than 10 years after the previous nonexceedance, half occur less than 7 years after, and about one-eighth occur more than 20 years after the previous nonexceedance. The recurrence interval for annual events is the reciprocal of the annual probability of occurrence. Thus, the 100-year flood has a 1-percent chance of being exceeded by the maximum peak flow in any year, and there is a 10-percent chance in any year that the annual minimum 7-day-mean flow will be less than the $7Q_{10}$.

Replicate samples are a group of samples collected in a manner such that the samples are thought to be essentially identical in composition.

Return period (See "Recurrence interval")

Riffle, as used in this report, is a shallow part of the stream where water flows swiftly over completely or partially submerged obstructions to produce surface agitation.

River mileage is the curvilinear distance, in miles, measured upstream from the mouth along the meandering path of a stream channel in accordance with Bulletin No. 14 (October 1968) of the Water Resources Council and typically is used to denote location along a river.

Run, as used in this report, is a relatively shallow part of a stream with moderate velocity and little or no surface turbulence.

Runoff is the quantity of water that is discharged ("runs off") from a drainage basin during a given time period. Runoff data may be presented as volumes in acre-feet, as mean discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches. (See also "Annual runoff")

Sea level, as used in this report, refers to one of the two commonly used national vertical datums (NGVD 1929 or NAVD 1988). See separate entries for definitions of these datums.

Sediment is solid material that originates mostly from disintegrated rocks; when transported by, suspended in, or deposited from water, it is referred to as "fluvial sediment." Sediment includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are affected by environmental and land-use factors. Some major factors are topography, soil characteristics, land cover, and depth and intensity of precipitation.

Sensible heat flux (often used interchangeably with latent sensible heat-flux density) is the amount of heat energy that moves by turbulent transport through the air across a specified cross-sectional area per unit time and goes to heating (cooling) the air. Usually expressed in watts per square meter.

Seven-day, 10-year low flow ($7Q_{10}$) is the discharge below which the annual 7-day minimum flow falls in 1 year out of 10 on the long-term average. The recurrence interval of the $7Q_{10}$ is 10 years; the chance that the annual 7-day minimum flow will be less than the $7Q_{10}$ is 10 percent in any given year. (See also "Annual 7-day minimum" and "Recurrence interval")

Shelves, as used in this report, are stream bank features extending nearly horizontally from the flood plain to the lower limit of persistent woody vegetation.

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Sodium hazard in water is an index that can be used to evaluate the suitability of water for irrigating crops.

Soil heat flux (often used interchangeably with soil heat-flux density) is the amount of heat energy that moves by conduction across a specified cross-sectional area of soil per unit time and goes to heating (or cooling) the soil. Usually expressed in watts per square meter.

Soil-water content is the water lost from the soil upon drying to constant mass at 105 °C; expressed either as mass of water per unit mass of dry soil or as the volume of water per unit bulk volume of soil.

Specific electrical conductance (conductivity) is a measure of the capacity of water (or other media) to conduct an electrical current. It is expressed in microsiemens per centimeter at 25 °C. Specific electrical conductance is a function of the types and quantity of dissolved substances in water and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is from 55 to 75 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stable isotope ratio (per MIL) is a unit expressing the ratio of the abundance of two radioactive isotopes. Isotope ratios are used in hydrologic studies to determine the age or source of specific water, to evaluate mixing of different water, as an aid in determining reaction rates, and other chemical or hydrologic processes.

Stage (See "Gage height")

Stage-discharge relation is the relation between the water-surface elevation, termed stage (gage height), and the volume of water flowing in a channel per unit time.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lives.

Substrate embeddedness class is a visual estimate of riffle streambed substrate larger than gravel that is surrounded or covered by fine sediment (<2mm, sand or finer). Below are the class categories expressed as the percentage covered by fine sediment:

0	no gravel or larger substrate
1	> 75 percent
2	51-75 percent
3	26-50 percent
4	5-25 percent
5	< 5 percent

Surface area of a lake is that area (acres) encompassed by the boundary of the lake as shown on USGS topographic maps, or other available maps or photographs. Because surface area changes with lake stage, surface areas listed in this report represent those determined for the stage at the time the maps or photographs were obtained.

Surficial bed material is the upper surface (0.1 to 0.2 foot) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Surrogate is an analyte that behaves similarly to a target analyte, but that is highly unlikely to occur in a sample. A surrogate is added to a sample in known amounts before extraction and is measured with the same laboratory procedures used to measure the target analyte. Its purpose is to monitor method performance for an individual sample.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of undissolved material in a water-sediment mixture. It is defined operationally as the material retained on a 0.45-micrometer filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative suspended water-sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results. Determinations of "suspended, recoverable" constituents are made either by directly analyzing the suspended material collected on the filter or, more commonly, by difference, on the basis of determinations of (1) dissolved and (2) total recoverable concentrations of the constituent. (See also "Suspended")

Suspended sediment is the sediment maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid. (See also "Sediment")

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 foot above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L). The analytical technique uses the mass of all of the sediment and the net weight of the water-sediment mixture in a sample to compute the suspended-sediment concentration. (See also "Sediment" and "Suspended sediment")

Suspended-sediment discharge (tons/d) is the rate of sediment transport, as measured by dry mass or volume that passes a cross section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft^3/s) x 0.0027. (See also "Sediment," "Suspended sediment," and "Suspended-sediment concentration")

Suspended-sediment load is a general term that refers to a given characteristic of the material in suspension that passes a point during a specified period of time. The term needs to be qualified, such as "annual suspended-sediment load" or "sand-size suspended-sediment load," and so on. It is not synonymous with either suspended-sediment discharge or concentration. (See also "Sediment")

Suspended, total is the total amount of a given constituent in the part of a water-sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. Knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total." Determinations of "suspended, total" constituents are made either by directly analyzing portions of the suspended material collected on the filter or, more commonly, by difference, on the basis of determinations of (1) dissolved and (2) total concentrations of the constituent. (See also "Suspended")

Suspended solids, total residue at 105 °C concentration is the concentration of inorganic and organic material retained on a filter, expressed as milligrams of dry material per liter of water (mg/L). An aliquot of the sample is used for this analysis.

Synoptic studies are short-term investigations of specific water-quality conditions during selected seasonal or hydro-logic periods to provide improved spatial resolution for critical water-quality conditions. For the period and conditions sampled, they assess the spatial distribution of selected water-quality conditions in relation to causative factors, such as land use and contaminant sources.

Taxa (Species) richness is the number of species (taxa) present in a defined area or sampling unit.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchial scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, *Hexagenia limbata,* is the following:

Kingdom:	Animal
Phylum:	Arthropoda
Class:	Insecta
Order:	Ephemeroptera
Family:	Ephemeridae
Genus:	Hexagenia
Species:	Hexagenia limbata

Thalweg is the line formed by connecting points of minimum streambed elevation (deepest part of the channel).

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term "temperature recorder" is used in the table descriptions and refers to any instrument that records temperature whether on a chart, a tape, or any other medium.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water resulting from the mixing of flow proportionally to the duration of the concentration.

Tons per acre-foot (T/acre-ft) is the dry mass (tons) of a constituent per unit volume (acre-foot) of water. It is computed by multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

Tons per day (T/DAY, tons/d) is a common chemical or sediment discharge unit. It is the quantity of a substance in solution, in suspension, or as bedload that passes a stream section during a 24-hour period. It is equivalent to 2,000 pounds per day, or 0.9072 metric tons per day.

Total is the amount of a given constituent in a representative whole-water (unfiltered) sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determined at least 95 percent of the constituent in the sample.)

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. This group includes coliforms that inhabit the intestine of warm-blooded animals and those that inhabit soils. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria that ferment lactose with gas formation within 48 hours at 35 °C. In the laboratory, these bacteria are defined as all the organisms that produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35 °C plus or minus 1.0 °C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 milliliters of sample. (See also "Bacteria")

Total discharge is the quantity of a given constituent, measured as dry mass or volume, that passes a stream cross section per unit of time. When referring to constituents other than water, this term needs to be qualified, such as "total sediment discharge," "total chloride discharge," and so on.

Total in bottom material is the amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

Total length (fish) is the straight-line distance from the anterior point of a fish specimen's snout, with the mouth closed, to the posterior end of the caudal (tail) fin, with the lobes of the caudal fin squeezed together.

Total load refers to all of a constituent in transport. When referring to sediment, it includes suspended load plus bed load.

Total organism count is the number of organisms collected and enumerated in any particular sample. (See also "Organism count/volume")

Total recoverable is the amount of a given constituent in a whole-water sample after a sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data for whole-water samples, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures may produce different analytical results.

Total sediment discharge is the mass of suspended-sediment plus bed-load transport, measured as dry weight, that passes a cross section in a given time. It is a rate and is reported as tons per day. (See also "Bedload," "Bedload discharge," "Sediment," "Suspended sediment," and "Suspended-sediment concentration")

Total sediment load or **total load** is the sediment in transport as bedload and suspended-sediment load. The term may be qualified, such as "annual suspended-sediment load" or "sand-size suspended-sediment load," and so on. It differs from total sediment discharge in that load refers to the material, whereas discharge refers to the quantity of material, expressed in units of mass per unit time. (See also "Sediment," "Suspended-sediment load," and "Total load")

Transect, as used in this report, is a line across a stream perpendicular to the flow and along which measurements are taken, so that morphological and flow characteristics along the line are described from bank to bank. Unlike a cross section, no attempt is made to determine known elevation points along the line.

Turbidity is the reduction in the transparency of a solution due to the presence of suspended and some dissolved substances. The measurement technique records the collective optical properties of the solution that cause light to be scattered and attenuated rather than transmitted in straight lines; the higher the intensity of scattered or attenuated light, the higher the value of the turbidity. Turbidity is expressed in nephelometric turbidity units (NTU). Depending on the method used, the turbidity units as NTU can be defined as the intensity of light of a specified wavelength scattered or attenuated by suspended particles or absorbed at a method specified angle, usually 90 degrees, from the path of the incident light. Currently approved methods for the measurement of turbidity in the USGS include those that conform to U.S. EPA Method 180.1, ASTM D1889-00, and ISO 7027. Measurements of turbidity by these different methods and different instruments are unlikely to yield equivalent values.

Ultraviolet (UV) absorbance (absorption) at 254 or 280 nanometers is a measure of the aggregate concentration of the mixture of UV absorbing organic materials dissolved in the analyzed water, such as lignin, tannin, humic substances, and various aromatic compounds. UV absorbance (absorption) at 254 or 280 nanometers is measured in UV absorption units per centimeter of path length of UV light through a sample.

Unconfined aquifer is an aquifer whose upper surface is a water table free to fluctuate under atmospheric pressure. (See "Water-table aquifer")

Vertical datum (See "Datum")

Volatile organic compounds (VOCs) are organic compounds that can be isolated from the water phase of a sample by purging the water sample with inert gas, such as helium, and subsequently analyzed by gas chromatography. Many VOCs are human-made chemicals that are used and produced in the manufacture of paints, adhesives, petroleum products, pharmaceuticals, and refrigerants. They are often components of fuels, solvents, hydraulic fluids, paint thinners, and dry cleaning agents commonly used in urban settings. VOC contamination of drinking-water supplies is a human health concern because many are toxic and are known or suspected human carcinogens.

Water table is that surface in a ground-water body at which the water pressure is equal to the atmospheric pressure.

Water-table aquifer is an unconfined aquifer within which the water table is found.

Water year in USGS reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 2002, is called the "2002 water year."

Watershed (See "drainage basin")

WDR is used as an abbreviation for "Water-Data Report" in the REVISED RECORDS paragraph to refer to State annual hydrologic-data reports. (WRD was used as an abbreviation for "Water-Resources Data" in reports published prior to 1976.)

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

Wet mass is the mass of living matter plus contained water. (See also "Biomass" and "Dry mass")

Wet weight refers to the weight of animal tissue or other substance including its contained water. (See also "Dry weight")

WSP is used as an acronym for "Water-Supply Paper" in reference to previously published reports.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column and often are large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers. (See also "Plankton")

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS OF THE U.S. GEOLOGICAL SURVEY

The USGS publishes a series of manuals titled the "Techniques of Water-Resources Investigations" that describe procedures for planning and conducting specialized work in water-resources investigations. The material in these manuals is grouped under major subject headings called books and is further divided into sections and chapters. For example, section A of book 3 (Applications of Hydraulics) pertains to surface water. Each chapter then is limited to a narrow field of the section subject matter. This publication format permits flexibility when revision or printing is required.

Manuals in the Techniques of Water-Resources Investigations series, which are listed below, are available online at http://water.usgs.gov/pubs/twri/. Printed copies are available for sale from the USGS, Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (an authorized agent of the Superintendent of Documents, Government Printing Office). Please telephone "1-888-ASK-USGS" for current prices, and refer to the title, book number, section number, chapter number, and mention the "U.S. Geological Survey Techniques of Water-Resources Investigations." Other products can be viewed online at http://www.usgs.gov/sales.html, or ordered by telephone or by FAX to (303)236-4693. Order forms for FAX requests are available online at http://mac.usgs.gov/isb/pubs/forms/. Prepayment by major credit card or by a check or money order payable to the "U.S. Geological Survey" is required.

Book 1. Collection of Water Data by Direct Measurement

Section D. Water Quality

1–D1. *Water temperature—Influential factors, field measurement, and data presentation*, by H.H. Stevens, Jr., J.F. Ficke, and G.F. Smoot: USGS–TWRI book 1, chap. D1. 1975. 65 p.

1–D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W.W. Wood: USGS–TWRI book 1, chap. D2. 1976. 24 p.

Book 2. Collection of Environmental Data

Section D. Surface Geophysical Methods

2–D1. *Application of surface geophysics to ground-water investigations,* by A.A.R. Zohdy, G.P. Eaton, and D.R. Mabey: USGS–TWRI book 2, chap. D1. 1974. 116 p.

2–D2. *Application of seismic-refraction techniques to hydrologic studies,* by F.P. Haeni: USGS–TWRI book 2, chap. D2. 1988. 86 p.

Section E. Subsurface Geophysical Methods

2–E1. *Application of borehole geophysics to water-resources investigations,* by W.S. Keys and L.M. MacCary: USGS–TWRI book 2, chap. E1. 1971. 126 p.

2–E2. *Borehole geophysics applied to ground-water investigations,* by W.S. Keys: USGS–TWRI book 2, chap. E2. 1990. 150 p.

Section F. Drilling and Sampling Methods

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3–A19. *Levels at streamflow gaging stations*, by E.J. Kennedy: USGS–TWRI book 3, chap. A19. 1990. 31 p.

3–A20. *Simulation of soluble waste transport and buildup in surface waters using tracers*, by F.A. Kilpatrick: USGS–TWRI book 3, chap. A20. 1993. 38 p.

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3–B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G.D. Bennett: USGS– TWRI book 3, chap. B2. 1976. 172 p.

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Book 4. Hydrologic Analysis and Interpretation

Section A. Statistical Analysis

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Section D. Interrelated Phases of the Hydrologic Cycle

4–D1. *Computation of rate and volume of stream depletion by wells*, by C.T. Jenkins: USGS–TWRI book 4, chap. D1. 1970. 17 p.

Book 5. Laboratory Analysis

Section A. Water Analysis

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5–C1. *Laboratory theory and methods for sediment analysis*, by H.P. Guy: USGS–TWRI book 5, chap. C1. 1969. 58 p.

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6–A1. *A modular three-dimensional finite-difference ground-water flow model*, by M.G. McDonald and A.W. Harbaugh: USGS–TWRI book 6, chap. A1. 1988. 586 p.

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8–B2. *Calibration and maintenance of vertical-axis type current meters,* by G.F. Smoot and C.E. Novak: USGS– TWRI book 8, chap. B2. 1968. 15 p.

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Book 9. Handbooks for Water-Resources Investigations

Section A. National Field Manual for the Collection of Water-Quality Data

9–A1. *National field manual for the collection of water-quality data: Preparations for water sampling*, by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A1. 1998. 47 p.

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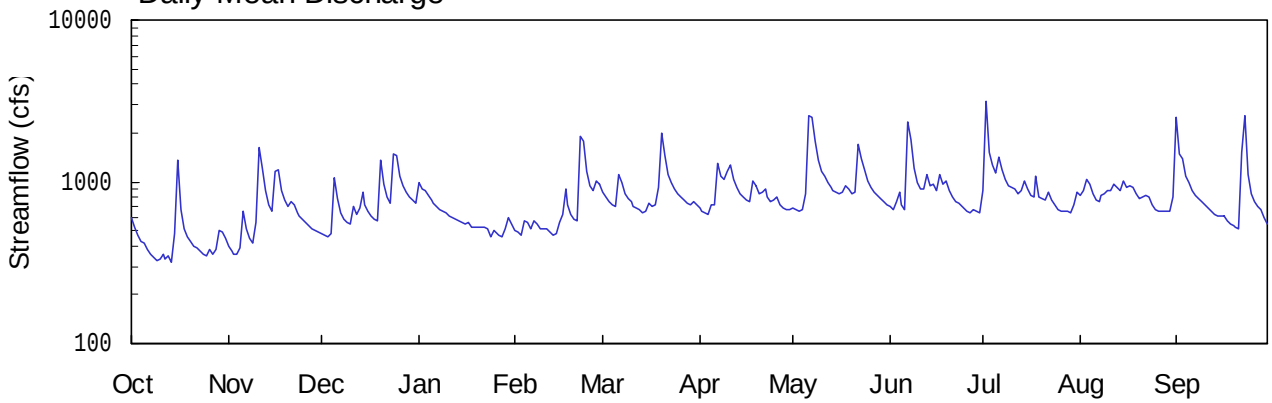
Station Records (Water Year)
by Major River Basin

2003 Water Year

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA

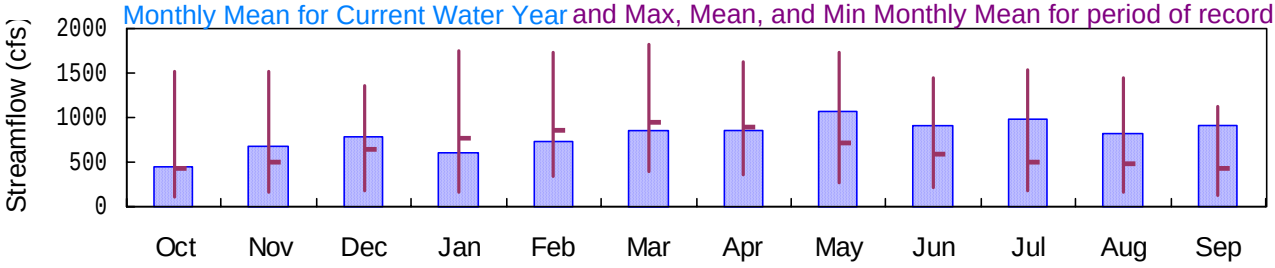
Latitude: 34°48'50" Longitude: 083°18'22" Hydrologic Unit Code: 03060102 Oconee County
Drainage Area: 207 mi² Datum: 1,165 feet

Daily Mean Discharge

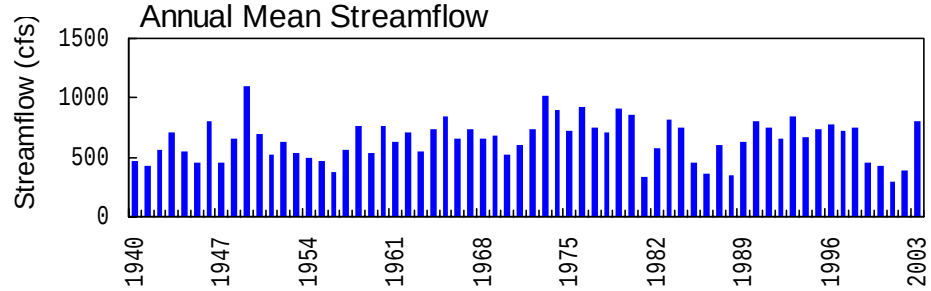


Monthly Statistics

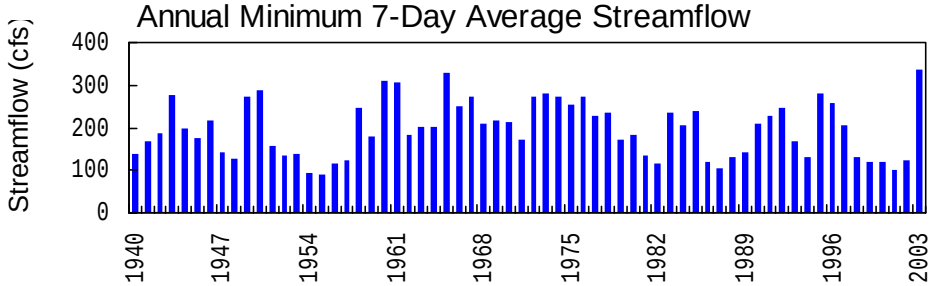
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



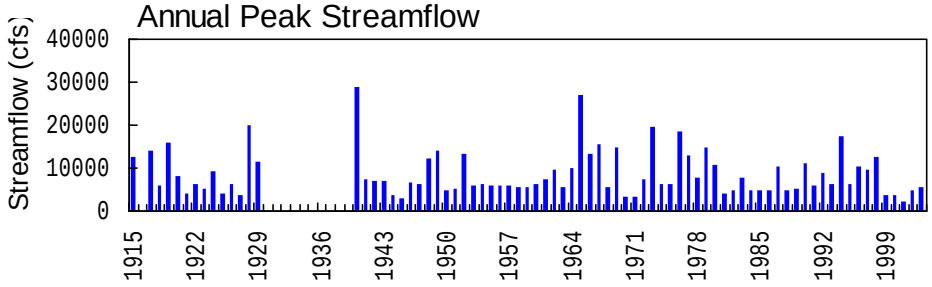
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



02177000 - Chattooga River near Clayton, GA

SAVANNAH RIVER BASIN
2003 Water Year

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA

LOCATION.—Lat 34°48'50", long 83°18'22" referenced to North American Datum (NAD) of 1927, Oconee County, SC-Rabun County, GA, Hydrologic Unit 03060102, on left bank 150 feet downstream from bridge on US 76, 2.8 miles upstream from Stekoa Creek, 7.0 miles southeast of Clayton, 9.0 miles downstream from Warwoman Creek, and 9.0 miles upstream from confluence with Tallulah River.

DRAINAGE AREA.—207 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1907 to June 1908, October 1939 to current year. Monthly discharge only for May 1907 to June 1908, published in WSP 1303.

REVISED RECORDS.—WSP 1383: 1940-41, drainage area.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 1,165.60 feet above National Geodetic Vertical Datum (NGVD) of 1929. May 1907 to June 1908, a non-recording gage was located at site 400.00 feet upstream at different datum.

REMARKS.—Records good, except for the month of September, which is fair. Periods of monthly discharge only are not included in statistics computations.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 3,400 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
02/22	1630	3,610	4.10
06/07	1645	3,550	4.06
07/02	0445	4,850	4,81
09/01	1015	4,780	4.77
09/23	0015	5,690*	5.25*

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1907 to June 1908, October 1939 to current year.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 1,165.60 feet above National Geodetic Vertical Datum (NGVD) of 1929. May 1907 to June 1908, a non-recording gage was located at site 400.00 feet upstream at different datum.

REMARKS.—Records good, except for the month of September, which is fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 5.25 feet, September 23; minimum gage-height recorded, 1.32 feet, October 14, 15.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02177000 CHATTOOGA RIVER NEAR CLAYTON, GA SOURCE AGENCY USGS STATE 45 COUNTY 073
LATITUDE 344850 LONGITUDE 0831822 NAD27 DRAINAGE AREA 207 CONTRIBUTING DRAINAGE AREA 207* DATUM 1165.6 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	606	400	479	998	506	857	682	689	698	878	831	2490
2	525	376	465	905	486	815	664	672	670	3150	875	1490
3	467	359	461	881	473	752	647	652	752	1520	1030	1380
4	429	353	477	825	574	712	635	678	861	1260	975	1080
5	421	392	1050	772	556	704	723	837	722	1130	834	1000
6	386	654	783	731	508	1100	719	2580	677	1410	773	881
7	359	509	638	698	569	989	1290	2520	2320	1190	752	819
8	344	448	586	679	551	851	1090	1780	1810	1030	832	782
9	329	422	555	661	511	796	1030	1360	1210	940	848	751
10	333	559	543	640	516	746	1160	1160	997	924	881	716
11	356	1640	709	608	508	710	1260	1070	906	899	879	685
12	335	1200	633	594	487	684	1030	996	898	841	965	657
13	347	883	694	584	473	667	916	917	1110	885	931	630
14	321	725	871	580	475	650	847	878	951	1010	882	610
15	475	651	727	565	563	651	801	862	957	899	1020	617
16	1350	1150	660	553	628	742	771	842	891	826	918	609
17	671	1190	615	562	899	705	756	854	1100	800	954	573
18	513	876	584	527	717	713	1020	947	974	1070	929	553
19	453	762	576	523	632	915	939	909	1000	808	848	538
20	423	696	1360	524	593	1980	842	850	890	780	795	519
21	402	761	972	528	571	1460	868	860	809	766	808	510
22	391	725	813	525	1900	1120	896	1690	760	861	828	1530
23	371	645	730	507	1780	978	798	1390	729	779	813	2590
24	354	607	1470	458	1150	901	757	1170	702	716	724	1100
25	350	582	1440	496	951	840	766	1020	678	679	673	847
26	379	557	1080	480	883	805	798	934	660	659	657	749
27	354	538	950	472	1000	770	728	866	644	655	651	701
28	382	515	870	462	969	744	696	818	665	661	661	678
29	499	501	814	507	---	727	680	784	652	637	653	594
30	489	494	764	595	---	753	679	755	636	718	650	554
31	445	---	737	543	---	714	---	725	---	857	804	---
TOTAL	13859	20170	24106	18983	20429	26551	25488	33065	27329	30238	25674	27233
MEAN	447	672	778	612	730	856	850	1067	911	975	828	908
MAX	1350	1640	1470	998	1900	1980	1290	2580	2320	3150	1030	2590
MIN	321	353	461	458	473	650	635	652	636	637	650	510
CFSM	2.16	3.25	3.76	2.96	3.52	4.14	4.10	5.15	4.40	4.71	4.00	4.39
IN.	2.49	3.62	4.33	3.41	3.67	4.77	4.58	5.94	4.91	5.43	4.61	4.89

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2003, BY WATER YEAR (WY)

MEAN	434	501	643	768	862	939	887	720	593	506	482	435
MAX	1524	1509	1358	1747	1728	1829	1633	1725	1439	1542	1453	1118
(WY)	1965	1980	1962	1946	1990	1979	1964	1976	1976	1949	1940	1949
MIN	98.6	155	183	155	347	387	349	261	210	180	169	118
(WY)	1955	1955	1956	1956	1941	1988	1986	2001	1988	1986	2002	1954

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1940 - 2003	
ANNUAL TOTAL	172616		293125			
ANNUAL MEAN	473		803		646	
HIGHEST ANNUAL MEAN					1098	1949
LOWEST ANNUAL MEAN					298	2001
HIGHEST DAILY MEAN	3400	Sep 27	3150	Jul 2	14800	Aug 30 1940
LOWEST DAILY MEAN	112	Sep 12	321	Oct 14	88	Oct 8 1954
ANNUAL SEVEN-DAY MINIMUM	122	Sep 7	338	Oct 8	90	Oct 7 1954
MAXIMUM PEAK FLOW			5690	Sep 23	29000	Aug 30 1940
MAXIMUM PEAK STAGE			5.25	Sep 23	13.80	Aug 30 1940
INSTANTANEOUS LOW FLOW			305	Oct 14	88	Oct 8 1954
ANNUAL RUNOFF (CFSM)	2.28		3.88		3.12	
ANNUAL RUNOFF (INCHES)	31.02		52.68		42.42	
10 PERCENT EXCEEDS	813		1150		1150	
50 PERCENT EXCEEDS	424		731		524	
90 PERCENT EXCEEDS	168		473		224	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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LATITUDE 344850 LONGITUDE 0831822 NAD27 DRAINAGE AREA 207 CONTRIBUTING DRAINAGE AREA 207* DATUM 1165.6 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.75	1.47	1.58	2.15	1.62	2.02	1.83	1.84	1.85	2.01	1.99	3.29
2	1.65	1.44	1.56	2.07	1.59	1.98	1.81	1.82	1.82	3.77	2.03	2.58
3	1.57	1.41	1.56	2.04	1.58	1.91	1.79	1.80	1.91	2.61	2.19	2.49
4	1.51	1.40	1.58	1.99	1.70	1.87	1.78	1.83	2.02	2.39	2.13	2.23
5	1.50	1.46	2.19	1.93	1.68	1.86	1.88	1.98	1.88	2.28	1.99	2.16
6	1.45	1.80	1.94	1.89	1.62	2.24	1.87	3.41	1.83	2.52	1.93	2.04
7	1.41	1.62	1.78	1.85	1.70	2.15	2.40	3.37	3.18	2.33	1.91	1.98
8	1.38	1.54	1.72	1.83	1.68	2.01	2.24	2.82	2.84	2.19	1.99	1.94
9	1.36	1.50	1.68	1.81	1.63	1.96	2.19	2.47	2.34	2.10	2.01	1.91
10	1.37	1.67	1.67	1.79	1.63	1.90	2.30	2.31	2.15	2.08	2.04	1.87
11	1.40	2.69	1.86	1.75	1.62	1.87	2.38	2.23	2.07	2.06	2.04	1.84
12	1.37	2.34	1.78	1.73	1.59	1.84	2.18	2.15	2.06	2.00	2.12	1.81
13	1.39	2.04	1.84	1.72	1.58	1.82	2.08	2.08	2.26	2.04	2.09	1.78
14	1.35	1.88	2.03	1.72	1.58	1.80	2.01	2.04	2.11	2.16	2.04	1.75
15	1.54	1.80	1.88	1.70	1.69	1.80	1.96	2.02	2.12	2.06	2.18	1.76
16	2.46	2.28	1.81	1.68	1.77	1.90	1.93	2.00	2.05	1.99	2.08	1.75
17	1.82	2.33	1.76	1.69	2.06	1.86	1.91	2.01	2.25	1.96	2.11	1.71
18	1.63	2.04	1.72	1.65	1.87	1.87	2.18	2.11	2.13	2.22	2.09	1.68
19	1.55	1.92	1.71	1.64	1.78	2.07	2.10	2.07	2.16	1.97	2.01	1.66
20	1.50	1.85	2.47	1.64	1.73	2.97	2.00	2.01	2.05	1.94	1.95	1.64
21	1.47	1.92	2.13	1.65	1.70	2.56	2.03	2.02	1.97	1.92	1.97	1.63
22	1.46	1.88	1.97	1.65	2.83	2.26	2.06	2.74	1.92	2.02	1.99	2.51
23	1.43	1.79	1.89	1.62	2.82	2.14	1.96	2.50	1.89	1.94	1.97	3.36
24	1.40	1.75	2.53	1.55	2.29	2.06	1.92	2.31	1.86	1.87	1.88	2.29
25	1.40	1.72	2.54	1.61	2.11	2.00	1.92	2.18	1.83	1.83	1.82	2.08
26	1.44	1.69	2.23	1.59	2.04	1.96	1.96	2.09	1.81	1.81	1.81	1.99
27	1.40	1.66	2.11	1.57	2.16	1.93	1.88	2.03	1.79	1.80	1.80	1.94
28	1.44	1.63	2.03	1.56	2.13	1.90	1.85	1.98	1.81	1.81	1.81	1.92
29	1.61	1.61	1.97	1.62	---	1.88	1.83	1.94	1.80	1.78	1.80	1.83
30	1.60	1.60	1.92	1.73	---	1.91	1.83	1.91	1.78	1.87	1.80	1.78
31	1.54	---	1.89	1.67	---	1.87	---	1.88	---	2.02	1.96	---
MEAN	1.52	1.79	1.91	1.74	1.85	2.01	2.00	2.19	2.05	2.11	1.98	2.04
MAX	2.46	2.69	2.54	2.15	2.83	2.97	2.40	3.41	3.18	3.77	2.19	3.36
MIN	1.35	1.40	1.56	1.55	1.58	1.80	1.78	1.80	1.78	1.78	1.80	1.63

SAVANNAH RIVER BASIN
2003 Water Year

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA

LOCATION.—Lat 34°48'50", long 83°18'22" referenced to North American Datum (NAD) of 1927, Oconee County, SC-Rabun County, GA, Hydrologic Unit 03060102, on left bank 150 feet downstream from bridge on US 76, 2.8 miles upstream from Stekoa Creek, 7.0 miles southeast of Clayton, 9.0 miles downstream from Warwoman Creek, and 9.0 miles upstream from confluence with Tallulah River.

DRAINAGE AREA.—207 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1907 to June 1908, October 1939 to current year. Monthly discharge only for May 1907 to June 1908, published in WSP 1303.

REVISED RECORDS.—WSP 1383: 1940-41, drainage area.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 1,165.60 feet above National Geodetic Vertical Datum (NGVD) of 1929. May 1907 to June 1908, a non-recording gage was located at site 400.00 feet upstream at different datum.

REMARKS.—Records good, except for the month of September, which is fair. Periods of monthly discharge only are not included in statistics computations.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 3,400 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
02/22	1630	3,610	4.10
06/07	1645	3,550	4.06
07/02	0445	4,850	4,81
09/01	1015	4,780	4.77
09/23	0015	5,690*	5.25*

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1907 to June 1908, October 1939 to current year.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 1,165.60 feet above National Geodetic Vertical Datum (NGVD) of 1929. May 1907 to June 1908, a non-recording gage was located at site 400.00 feet upstream at different datum.

REMARKS.—Records good, except for the month of September, which is fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 5.25 feet, September 23; minimum gage-height recorded, 1.32 feet, October 14, 15.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02177000 CHATTOOGA RIVER NEAR CLAYTON, GA SOURCE AGENCY USGS STATE 45 COUNTY 073
LATITUDE 344850 LONGITUDE 0831822 NAD27 DRAINAGE AREA 207 CONTRIBUTING DRAINAGE AREA 207* DATUM 1165.6 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	606	400	479	998	506	857	682	689	698	878	831	2490
2	525	376	465	905	486	815	664	672	670	3150	875	1490
3	467	359	461	881	473	752	647	652	752	1520	1030	1380
4	429	353	477	825	574	712	635	678	861	1260	975	1080
5	421	392	1050	772	556	704	723	837	722	1130	834	1000
6	386	654	783	731	508	1100	719	2580	677	1410	773	881
7	359	509	638	698	569	989	1290	2520	2320	1190	752	819
8	344	448	586	679	551	851	1090	1780	1810	1030	832	782
9	329	422	555	661	511	796	1030	1360	1210	940	848	751
10	333	559	543	640	516	746	1160	1160	997	924	881	716
11	356	1640	709	608	508	710	1260	1070	906	899	879	685
12	335	1200	633	594	487	684	1030	996	898	841	965	657
13	347	883	694	584	473	667	916	917	1110	885	931	630
14	321	725	871	580	475	650	847	878	951	1010	882	610
15	475	651	727	565	563	651	801	862	957	899	1020	617
16	1350	1150	660	553	628	742	771	842	891	826	918	609
17	671	1190	615	562	899	705	756	854	1100	800	954	573
18	513	876	584	527	717	713	1020	947	974	1070	929	553
19	453	762	576	523	632	915	939	909	1000	808	848	538
20	423	696	1360	524	593	1980	842	850	890	780	795	519
21	402	761	972	528	571	1460	868	860	809	766	808	510
22	391	725	813	525	1900	1120	896	1690	760	861	828	1530
23	371	645	730	507	1780	978	798	1390	729	779	813	2590
24	354	607	1470	458	1150	901	757	1170	702	716	724	1100
25	350	582	1440	496	951	840	766	1020	678	679	673	847
26	379	557	1080	480	883	805	798	934	660	659	657	749
27	354	538	950	472	1000	770	728	866	644	655	651	701
28	382	515	870	462	969	744	696	818	665	661	661	678
29	499	501	814	507	---	727	680	784	652	637	653	594
30	489	494	764	595	---	753	679	755	636	718	650	554
31	445	---	737	543	---	714	---	725	---	857	804	---
TOTAL	13859	20170	24106	18983	20429	26551	25488	33065	27329	30238	25674	27233
MEAN	447	672	778	612	730	856	850	1067	911	975	828	908
MAX	1350	1640	1470	998	1900	1980	1290	2580	2320	3150	1030	2590
MIN	321	353	461	458	473	650	635	652	636	637	650	510
CFSM	2.16	3.25	3.76	2.96	3.52	4.14	4.10	5.15	4.40	4.71	4.00	4.39
IN.	2.49	3.62	4.33	3.41	3.67	4.77	4.58	5.94	4.91	5.43	4.61	4.89

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2003, BY WATER YEAR (WY)

MEAN	434	501	643	768	862	939	887	720	593	506	482	435
MAX	1524	1509	1358	1747	1728	1829	1633	1725	1439	1542	1453	1118
(WY)	1965	1980	1962	1946	1990	1979	1964	1976	1976	1949	1940	1949
MIN	98.6	155	183	155	347	387	349	261	210	180	169	118
(WY)	1955	1955	1956	1956	1941	1988	1986	2001	1988	1986	2002	1954

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1940 - 2003	
ANNUAL TOTAL	172616		293125			
ANNUAL MEAN	473		803		646	
HIGHEST ANNUAL MEAN					1098	1949
LOWEST ANNUAL MEAN					298	2001
HIGHEST DAILY MEAN	3400	Sep 27	3150	Jul 2	14800	Aug 30 1940
LOWEST DAILY MEAN	112	Sep 12	321	Oct 14	88	Oct 8 1954
ANNUAL SEVEN-DAY MINIMUM	122	Sep 7	338	Oct 8	90	Oct 7 1954
MAXIMUM PEAK FLOW			5690	Sep 23	29000	Aug 30 1940
MAXIMUM PEAK STAGE			5.25	Sep 23	13.80	Aug 30 1940
INSTANTANEOUS LOW FLOW			305	Oct 14	88	Oct 8 1954
ANNUAL RUNOFF (CFSM)	2.28		3.88		3.12	
ANNUAL RUNOFF (INCHES)	31.02		52.68		42.42	
10 PERCENT EXCEEDS	813		1150		1150	
50 PERCENT EXCEEDS	424		731		524	
90 PERCENT EXCEEDS	168		473		224	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02177000 CHATTOOGA RIVER NEAR CLAYTON, GA SOURCE AGENCY USGS STATE 45 COUNTY 073
LATITUDE 344850 LONGITUDE 0831822 NAD27 DRAINAGE AREA 207 CONTRIBUTING DRAINAGE AREA 207* DATUM 1165.6 NGVD29

APPROVED

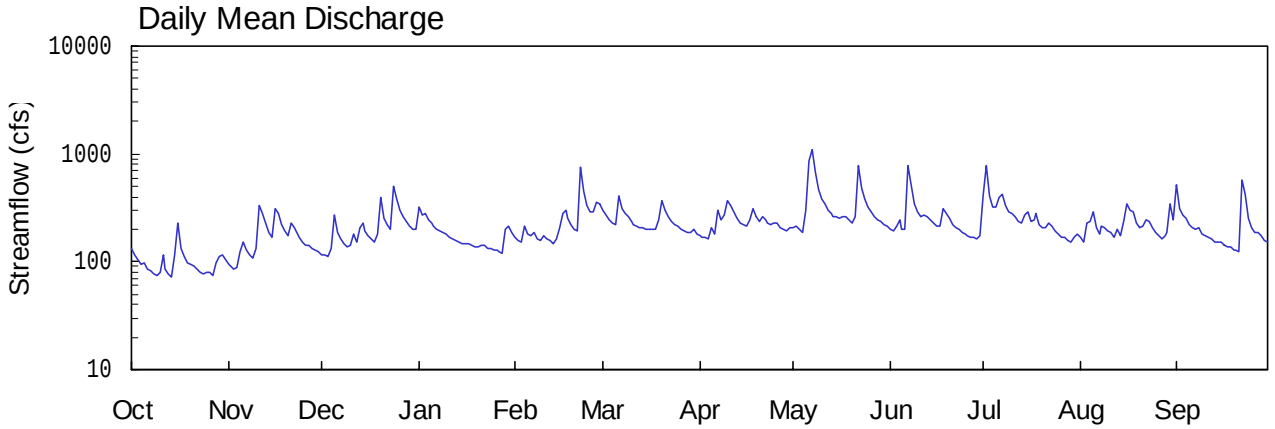
Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

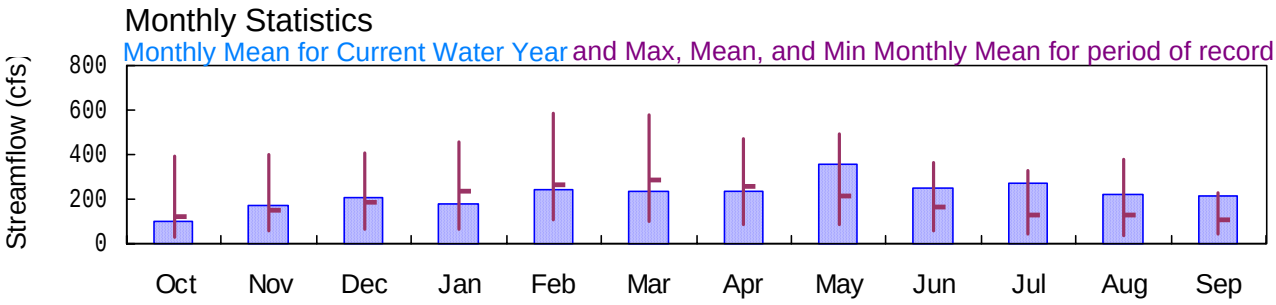
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.75	1.47	1.58	2.15	1.62	2.02	1.83	1.84	1.85	2.01	1.99	3.29
2	1.65	1.44	1.56	2.07	1.59	1.98	1.81	1.82	1.82	3.77	2.03	2.58
3	1.57	1.41	1.56	2.04	1.58	1.91	1.79	1.80	1.91	2.61	2.19	2.49
4	1.51	1.40	1.58	1.99	1.70	1.87	1.78	1.83	2.02	2.39	2.13	2.23
5	1.50	1.46	2.19	1.93	1.68	1.86	1.88	1.98	1.88	2.28	1.99	2.16
6	1.45	1.80	1.94	1.89	1.62	2.24	1.87	3.41	1.83	2.52	1.93	2.04
7	1.41	1.62	1.78	1.85	1.70	2.15	2.40	3.37	3.18	2.33	1.91	1.98
8	1.38	1.54	1.72	1.83	1.68	2.01	2.24	2.82	2.84	2.19	1.99	1.94
9	1.36	1.50	1.68	1.81	1.63	1.96	2.19	2.47	2.34	2.10	2.01	1.91
10	1.37	1.67	1.67	1.79	1.63	1.90	2.30	2.31	2.15	2.08	2.04	1.87
11	1.40	2.69	1.86	1.75	1.62	1.87	2.38	2.23	2.07	2.06	2.04	1.84
12	1.37	2.34	1.78	1.73	1.59	1.84	2.18	2.15	2.06	2.00	2.12	1.81
13	1.39	2.04	1.84	1.72	1.58	1.82	2.08	2.08	2.26	2.04	2.09	1.78
14	1.35	1.88	2.03	1.72	1.58	1.80	2.01	2.04	2.11	2.16	2.04	1.75
15	1.54	1.80	1.88	1.70	1.69	1.80	1.96	2.02	2.12	2.06	2.18	1.76
16	2.46	2.28	1.81	1.68	1.77	1.90	1.93	2.00	2.05	1.99	2.08	1.75
17	1.82	2.33	1.76	1.69	2.06	1.86	1.91	2.01	2.25	1.96	2.11	1.71
18	1.63	2.04	1.72	1.65	1.87	1.87	2.18	2.11	2.13	2.22	2.09	1.68
19	1.55	1.92	1.71	1.64	1.78	2.07	2.10	2.07	2.16	1.97	2.01	1.66
20	1.50	1.85	2.47	1.64	1.73	2.97	2.00	2.01	2.05	1.94	1.95	1.64
21	1.47	1.92	2.13	1.65	1.70	2.56	2.03	2.02	1.97	1.92	1.97	1.63
22	1.46	1.88	1.97	1.65	2.83	2.26	2.06	2.74	1.92	2.02	1.99	2.51
23	1.43	1.79	1.89	1.62	2.82	2.14	1.96	2.50	1.89	1.94	1.97	3.36
24	1.40	1.75	2.53	1.55	2.29	2.06	1.92	2.31	1.86	1.87	1.88	2.29
25	1.40	1.72	2.54	1.61	2.11	2.00	1.92	2.18	1.83	1.83	1.82	2.08
26	1.44	1.69	2.23	1.59	2.04	1.96	1.96	2.09	1.81	1.81	1.81	1.99
27	1.40	1.66	2.11	1.57	2.16	1.93	1.88	2.03	1.79	1.80	1.80	1.94
28	1.44	1.63	2.03	1.56	2.13	1.90	1.85	1.98	1.81	1.81	1.81	1.92
29	1.61	1.61	1.97	1.62	---	1.88	1.83	1.94	1.80	1.78	1.80	1.83
30	1.60	1.60	1.92	1.73	---	1.91	1.83	1.91	1.78	1.87	1.80	1.78
31	1.54	---	1.89	1.67	---	1.87	---	1.88	---	2.02	1.96	---
MEAN	1.52	1.79	1.91	1.74	1.85	2.01	2.00	2.19	2.05	2.11	1.98	2.04
MAX	2.46	2.69	2.54	2.15	2.83	2.97	2.40	3.41	3.18	3.77	2.19	3.36
MIN	1.35	1.40	1.56	1.55	1.58	1.80	1.78	1.80	1.78	1.78	1.80	1.63

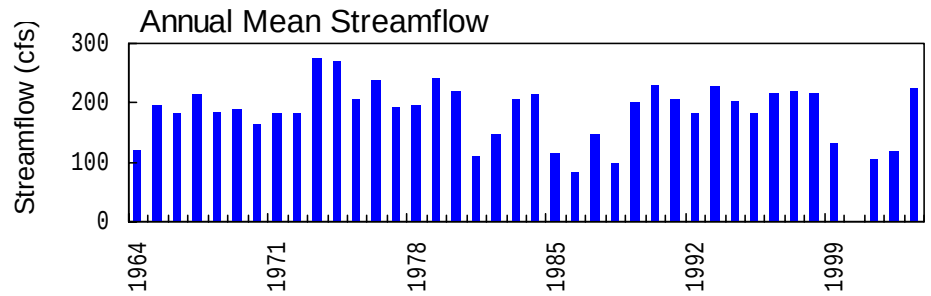
2003 Water Year

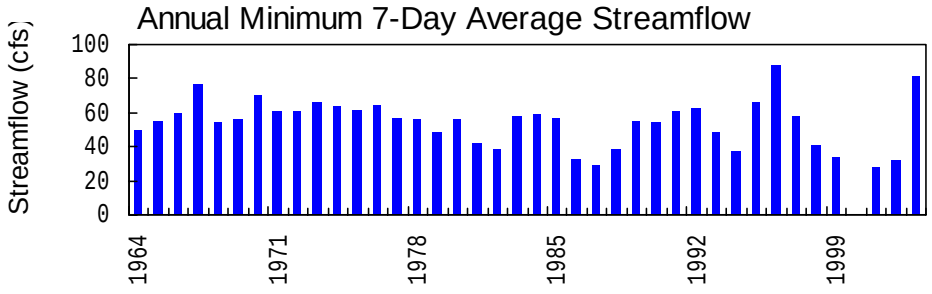
02178400 TALLULAH RIVER NEAR CLAYTON, GA

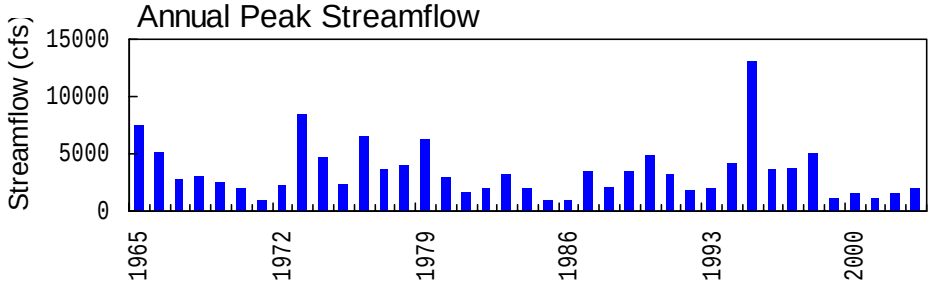
Latitude: 34°53'25" Longitude: 083°31'50" Hydrologic Unit Code: 03060102 Rabun County
Drainage Area: 56.5 mi² Datum: 1868. feet

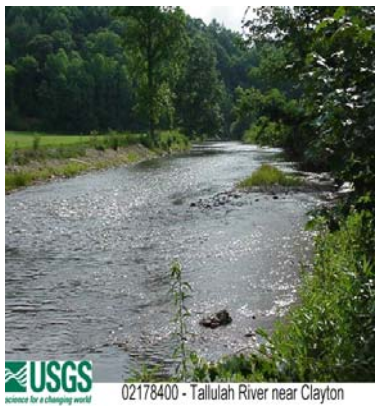












SAVANNAH RIVER BASIN
2003 Water Year

02178400 TALLULAH RIVER NEAR CLAYTON, GA

LOCATION.—Lat 34°53'25", long 83°31'50" referenced to North American Datum (NAD) of 1927, Rabun County, Hydrologic Unit 03060102, on right bank 100.00 feet downstream from Plum Orchard Road bridge, 120.00 feet downstream from Persimmon Creek, 8.0 miles upstream from Burton Dam, and 10.3 miles west of Clayton.

DRAINAGE AREA.—56.5 square miles.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1964 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 1,868.93 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation).

REMARKS.—Records good, except for period of estimated discharge, which is fair. Low streamflows affected by releases from private reservoirs upstream.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,200 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
02/22	0915	1,430	5.12
05/07	1015	1,870	5.76
05/22	0745	1,460	5.17
07/01	2330	1,290	4.91
09/22	1815	1,910*	5.82*

WATER-STAGE RECORDS

PERIOD OF RECORD.--July 1964 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 1,868.93 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation).

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 5.82 feet, September 22; minimum gage-height recorded, 1.98 feet, October 14, 15.

02178400 TALLULAH RIVER NEAR CLAYTON, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—January 15, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02178400 TALLULAH RIVER NEAR CLAYTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 241
LATITUDE 345325 LONGITUDE 0833150 NAD27 DRAINAGE AREA 56.5 CONTRIBUTING DRAINAGE AREA 56.5* DATUM 1868.93 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	134	95	117	325	170	297	175	206	203	415	166	510
2	116	89	114	275	157	272	170	213	194	784	153	308
3	103	85	111	284	150	246	166	197	217	414	227	272
4	95	89	131	247	211	230	163	186	243	322	234	256
5	97	125	275	227	179	223	208	303	201	318	287	222
6	86	154	187	212	172	405	183	868	200	395	205	205
7	84	129	161	199	184	315	298	1100	767	421	183	200
8	78	116	147	191	165	280	247	687	514	335	215	204
9	74	109	140	184	157	259	270	471	350	288	203	183
10	79	131	143	181	172	239	365	376	291	278	196	175
11	117	337	183	169	161	225	338	345	264	264	184	168
12	86	285	152	162	155	214	286	305	270	237	169	161
13	77	226	205	158	149	210	254	279	265	227	201	154
14	72	187	227	154	162	203	233	260	245	275	175	150
15	115	171	194	149	207	198	219	260	226	292	234	150
16	227	315	176	148	284	198	211	255	215	238	344	142
17	132	276	163	145	304	200	242	261	211	248	297	139
18	110	220	153	141	252	201	314	261	307	277	293	135
19	99	193	183	138	220	247	258	244	282	224	230	130
20	93	173	399	139	203	364	237	232	252	207	206	126
21	91	231	254	144	195	300	263	265	224	207	213	123
22	84	204	220	143	741	260	245	775	208	226	241	579
23	80	181	197	134	455	237	227	486	197	214	239	419
24	e77	167	498	134	336	221	220	387	187	190	205	251
25	81	154	383	129	287	211	225	324	178	179	186	209
26	81	144	300	127	288	203	227	291	172	171	172	187
27	75	141	261	123	360	195	207	264	168	166	163	184
28	97	133	234	121	339	190	198	245	170	159	173	175
29	112	128	216	201	---	184	192	234	162	153	189	159
30	116	123	201	217	---	199	210	221	172	169	345	151
31	104	---	200	186	---	180	---	213	---	179	245	---
TOTAL	3072	5111	6525	5487	6815	7406	7051	11014	7555	8472	6773	6427
MEAN	99.1	170	210	177	243	239	235	355	252	273	218	214
MAX	227	337	498	325	741	405	365	1100	767	784	345	579
MIN	72	85	111	121	149	180	163	186	162	153	153	123
CFSM	1.75	3.02	3.73	3.13	4.31	4.23	4.16	6.29	4.46	4.84	3.87	3.79
IN.	2.02	3.37	4.30	3.61	4.49	4.88	4.64	7.25	4.97	5.58	4.46	4.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2003, BY WATER YEAR (WY)

MEAN	118	146	189	233	264	283	255	212	164	126	129	108
MAX	394	398	405	456	588	579	473	495	364	328	380	230
(WY)	1965	1993	1993	1974	1990	1979	1979	1976	1989	1989	1967	1979
MIN	30.6	58.9	64.9	62.8	106	100	87.8	83.5	56.5	45.5	38.1	43.1
(WY)	2001	1982	1966	1981	1986	1988	1986	2001	1988	1986	1986	1986

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1964 - 2003	
ANNUAL TOTAL	49062		81708			
ANNUAL MEAN	134		224		185	
HIGHEST ANNUAL MEAN					275	1973
LOWEST ANNUAL MEAN					82.9	1986
HIGHEST DAILY MEAN	1000	Sep 27	1100	May 7	3910	Mar 4 1979
LOWEST DAILY MEAN	29	Sep 12	72	Oct 14	26	Sep 16 2000
ANNUAL SEVEN-DAY MINIMUM	32	Sep 7	81	Oct 21	27	Sep 13 2000
MAXIMUM PEAK FLOW			1910	Sep 22	8500	May 28 1973
MAXIMUM PEAK STAGE			5.82	Sep 22	12.00	May 28 1973
INSTANTANEOUS LOW FLOW			71	Oct 14	26	Sep 16 2000
ANNUAL RUNOFF (CFSM)	2.38		3.96		3.28	
ANNUAL RUNOFF (INCHES)	32.30		53.80		44.59	
10 PERCENT EXCEEDS	220		329		331	
50 PERCENT EXCEEDS	119		203		146	
90 PERCENT EXCEEDS	50		117		63	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02178400 TALLULAH RIVER NEAR CLAYTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 241
LATITUDE 345325 LONGITUDE 0833150 NAD27 DRAINAGE AREA 56.5 CONTRIBUTING DRAINAGE AREA 56.5* DATUM 1868.93 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.33	2.13	2.25	3.04	2.49	2.96	2.51	2.63	2.62	3.13	2.47	3.47
2	2.24	2.09	2.23	2.88	2.44	2.87	2.49	2.66	2.59	4.05	2.42	2.99
3	2.17	2.07	2.21	2.91	2.41	2.79	2.47	2.60	2.68	3.28	2.71	2.87
4	2.13	2.09	2.31	2.79	2.65	2.73	2.46	2.56	2.77	3.03	2.70	2.82
5	2.14	2.27	2.87	2.72	2.53	2.71	2.64	2.92	2.61	3.02	2.91	2.70
6	2.07	2.42	2.56	2.66	2.50	3.25	2.55	4.22	2.61	3.21	2.63	2.63
7	2.06	2.30	2.45	2.61	2.55	3.01	2.95	4.59	4.02	3.30	2.54	2.61
8	2.02	2.24	2.40	2.58	2.47	2.90	2.79	3.88	3.51	3.07	2.65	2.63
9	2.00	2.20	2.35	2.55	2.44	2.83	2.87	3.42	3.11	2.92	2.63	2.55
10	2.03	2.31	2.37	2.53	2.50	2.76	3.15	3.18	2.93	2.89	2.60	2.51
11	2.24	3.04	2.54	2.49	2.45	2.71	3.08	3.10	2.85	2.85	2.55	2.49
12	2.07	2.92	2.42	2.46	2.43	2.67	2.92	2.98	2.86	2.76	2.49	2.45
13	2.02	2.71	2.63	2.44	2.40	2.65	2.81	2.89	2.85	2.72	2.61	2.43
14	1.99	2.56	2.72	2.42	2.46	2.62	2.74	2.83	2.78	2.87	2.51	2.41
15	2.19	2.50	2.59	2.40	2.64	2.60	2.69	2.83	2.72	2.93	2.68	2.41
16	2.69	3.01	2.52	2.40	2.91	2.60	2.65	2.81	2.68	2.76	3.07	2.37
17	2.32	2.89	2.46	2.38	2.98	2.61	2.76	2.84	2.66	2.78	2.95	2.35
18	2.21	2.69	2.42	2.36	2.81	2.62	3.00	2.84	2.96	2.88	2.94	2.33
19	2.15	2.59	2.51	2.34	2.69	2.78	2.83	2.78	2.90	2.71	2.73	2.31
20	2.11	2.51	3.22	2.35	2.62	3.15	2.75	2.74	2.81	2.64	2.63	2.29
21	2.10	2.73	2.81	2.37	2.59	2.96	2.84	2.84	2.71	2.64	2.66	2.27
22	2.06	2.63	2.69	2.37	3.89	2.83	2.78	4.00	2.64	2.71	2.75	3.46
23	2.04	2.54	2.60	2.32	3.38	2.76	2.72	3.46	2.60	2.67	2.76	3.28
24	---	2.48	3.41	2.33	3.07	2.70	2.69	3.21	2.56	2.57	2.63	2.80
25	2.05	2.42	3.20	2.30	2.92	2.65	2.71	3.04	2.52	2.53	2.56	2.65
26	2.02	2.38	2.96	2.29	2.92	2.62	2.72	2.94	2.50	2.49	2.50	2.56
27	2.01	2.36	2.84	2.27	3.14	2.59	2.64	2.85	2.48	2.48	2.46	2.55
28	2.13	2.32	2.74	2.26	3.08	2.57	2.61	2.78	2.49	2.45	2.50	2.51
29	2.22	2.30	2.68	2.58	---	2.55	2.58	2.75	2.46	2.42	2.56	2.44
30	2.24	2.27	2.62	2.68	---	2.61	2.65	2.70	2.50	2.49	3.06	2.41
31	2.17	---	2.61	2.56	---	2.53	---	2.67	---	2.53	2.78	---
MEAN	---	2.47	2.62	2.50	2.73	2.75	2.73	3.05	2.77	2.83	2.67	2.62
MAX	---	3.04	3.41	3.04	3.89	3.25	3.15	4.59	4.02	4.05	3.07	3.47
MIN	---	2.07	2.21	2.26	2.40	2.53	2.46	2.56	2.46	2.42	2.42	2.27

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02178400 TALLULAH RIVER NEAR CLAYTON, GA SOURCE AGENCY USGS STATE 13 COUNTY 241
LATITUDE 345325 LONGITUDE 0833150 NAD27 DRAINAGE AREA 56.5 CONTRIBUTING DRAINAGE AREA 56.5* DATUM 1868.93 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.19	0.00	3.56	0.10	0.13
2	0.00	0.00	0.04	0.45	0.00	0.00	0.00	0.01	0.01	0.34	0.08	0.51
3	0.00	0.04	0.00	0.07	0.00	0.00	0.00	0.00	0.66	0.00	1.12	0.00
4	0.09	0.03	1.38	0.00	0.84	0.02	0.00	0.00	0.49	0.00	0.22	0.41
5	0.10	1.35	0.60	0.00	0.00	0.44	0.82	2.32	0.00	0.11	0.03	0.00
6	0.44	0.02	0.01	0.00	0.00	0.89	0.57	0.87	1.36	0.26	0.31	0.00
7	0.01	0.00	0.00	0.00	0.23	0.00	1.03	1.04	1.60	0.04	0.00	0.16
8	0.00	0.00	0.00	0.00	0.07	0.00	0.26	0.00	0.23	0.45	0.25	0.00
9	0.00	0.19	0.00	0.09	0.33	0.00	0.43	0.00	0.00	0.01	0.00	0.01
10	1.00	0.78	0.83	0.03	0.19	0.00	0.81	0.00	0.00	0.26	0.00	0.00
11	0.14	0.98	0.04	0.00	0.00	0.00	0.00	0.28	0.18	0.00	0.21	0.00
12	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.18	0.00
13	0.03	0.00	1.13	0.00	0.00	0.01	0.00	0.00	0.18	0.14	0.03	0.00
14	0.01	0.00	0.00	0.00	0.61	0.09	0.00	0.00	0.02	0.55	0.00	0.10
15	1.97	0.88	0.00	0.00	0.02	0.06	0.00	0.19	0.00	0.01	0.58	0.00
16	0.08	0.90	0.00	0.00	0.88	0.06	0.00	0.00	0.05	0.07	0.37	0.00
17	0.00	0.01	0.00	0.00	0.00	0.35	1.17	0.53	0.06	0.61	0.20	0.00
18	0.00	0.00	0.00	0.00	0.01	0.07	0.84	0.22	1.07	0.01	0.04	0.00
19	0.00	0.05	2.06	0.00	0.00	1.02	0.00	0.03	0.07	0.00	0.00	0.00
20	0.03	0.26	0.16	0.00	0.01	0.66	0.00	0.01	0.00	0.00	0.00	0.00
21	0.01	0.50	0.00	0.06	0.32	0.00	0.44	0.69	0.00	0.02	0.00	0.06
22	0.00	0.00	0.01	0.01	2.53	0.00	0.00	1.74	0.00	0.64	0.02	3.40
23	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.04	0.00	0.01
24	0.00	0.00	2.20	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00
25	0.26	0.00	0.12	0.00	0.05	0.00	0.35	0.03	0.00	0.00	0.00	0.00
26	0.00	0.01	0.00	0.00	0.66	0.00	0.04	0.00	0.00	0.00	0.00	0.00
27	0.00	0.01	0.00	0.00	0.75	0.00	0.00	0.00	0.01	0.21	0.00	0.43
28	0.53	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.23	0.00	0.00	0.00
29	0.30	0.00	0.00	1.49	---	0.09	0.21	0.03	0.00	0.00	0.37	0.00
30	0.15	0.00	0.00	0.28	---	0.49	0.32	0.00	0.25	0.34	1.77	0.00
31	0.00	---	0.56	0.01	---	0.00	---	0.00	---	0.53	0.56	---
TOTAL	5.15	6.23	9.14	3.10	7.53	4.25	7.41	8.18	7.67	8.20	6.44	5.22

SAVANNAH RIVER BASIN
2003 Water Year

02178500 LAKE BURTON NEAR CLAYTON, GA

LOCATION.—Lat 34°47'37", long 83°32'26" referenced to North American Datum (NAD) of 1927, Rabun County, Hydrologic Unit 03060102, on Tallulah River, 5.5 miles downstream from bridge on US 76, 10.0 miles southwest of Clayton.

REMARKS.—Water levels and lake contents are collected by Georgia Power Corporation. Please see the following Internet location for more information:

http://lakes.southernco.com/

or call: 1-888-GPC-LAKE (1-888-472-5253)

SAVANNAH RIVER BASIN
2003 Water Year

02179500 LAKE RABUN (MATHIS) NEAR LAKEMONT, GA

LOCATION.—Lat 34°47'03", long 83°24'57" referenced to North American Datum (NAD) of 1927, Rabun County, Hydrologic Unit 03060102, on Tallulah River, 1.0 mile upstream from bridge on US 23, 1.8 miles south of Lakemont.

REMARKS.—Water levels are provided by Georgia Power Corporation. Please see the following Internet location for more information:

http://lakes.southernco.com/

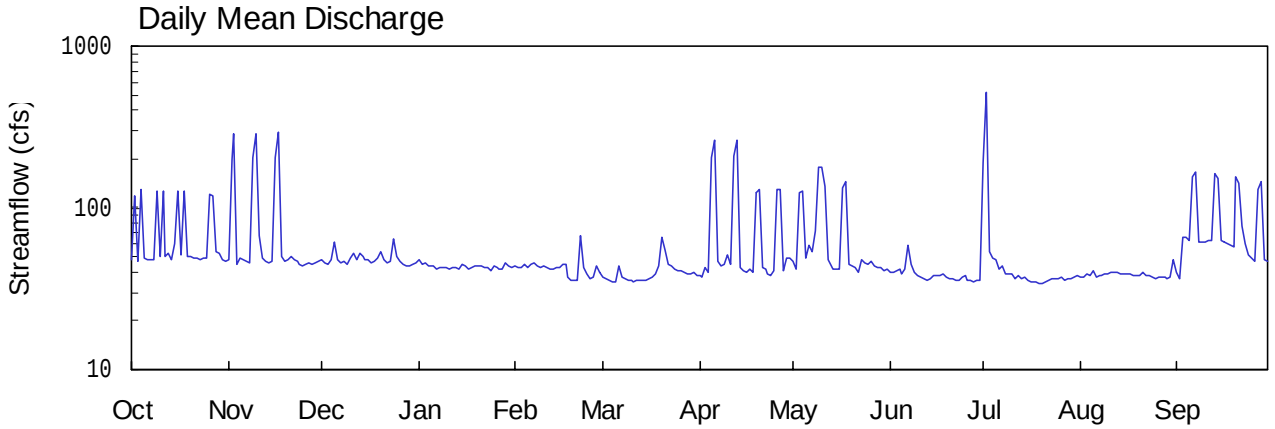
or call: 1-888-GPC-LAKE (1-888-472-5253)

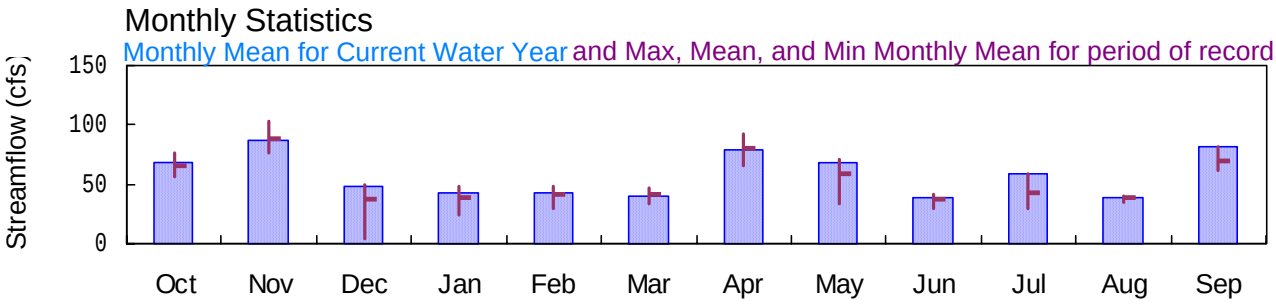
2003 Water Year

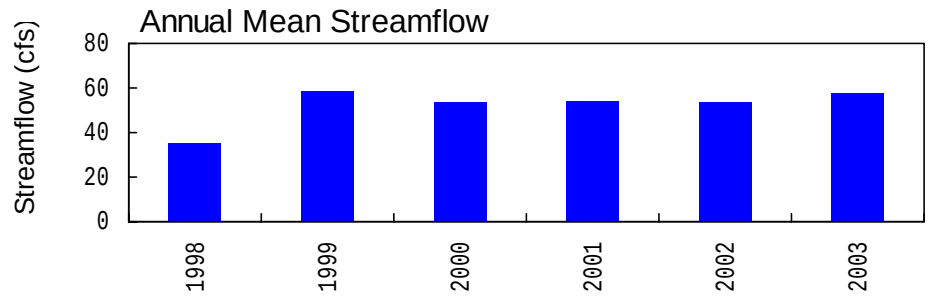
02181580 TALLULAH RIVER AB POWERHOUSE, NR TALLULAH FALLS,GA

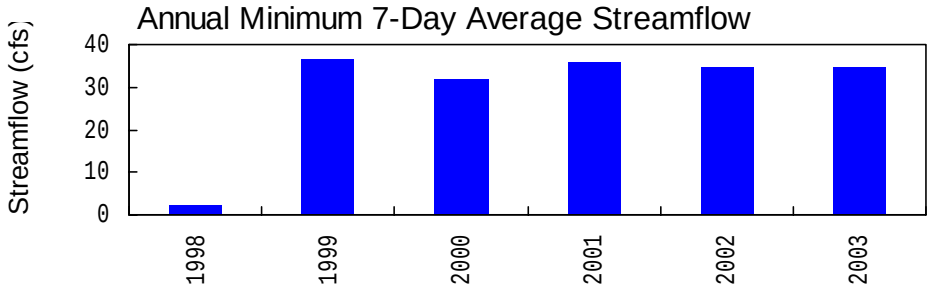
Latitude: 34°43'55" Longitude: 083°22'33" Hydrologic Unit Code: 03060102 Rabun County

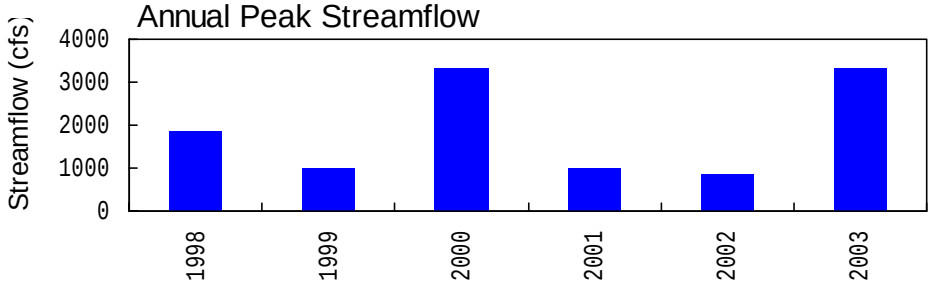
Drainage Area: 184. mi^2 Datum: 940.0 feet

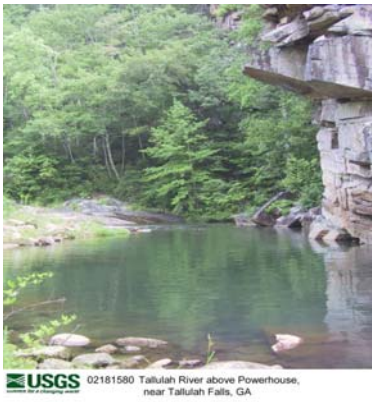












02181580 TALLULAH RIVER ABOVE POWERHOUSE, NEAR TALLULAH FALLS, GA

LOCATION.—Lat 34°43'55", long 83°22'33", Habersham County, Hydrologic Unit 03060102, on right bank 20.0 feet upstream from the Tallulah Falls Powerhouse in the Tallulah Gorge, 1.2 miles downstream from Cascade Falls, 1.7 miles downstream from Tallulah Falls Lake, and 0.5 miles northeast of Tallulah Lodge.

DRAINAGE AREA.—184 square miles.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 14, 1997 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage 940.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for periods of estimated discharge and those above 1,000 cfs, which are fair. Streamflow is regulated by Tallulah Falls Dam.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 14, 1997 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage 940.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 9.96 feet, July 2; minimum gage-height recorded, 4.96 feet, February 18.

PRECIPITATION RECORDS

PERIOD OF RECORD.—January 4, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02181580 TALLULAH RIVER AB POWERHOUSE, NR TALLULAH FALLS,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 241
LATITUDE 344355 LONGITUDE 0832233 NAD27 DRAINAGE AREA 184.4 CONTRIBUTING DRAINAGE AREA 184.4* DATUM 940.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	48	48	47	44	37	38	47	40	193	37	40
2	119	199	46	45	43	37	37	42	40	519	37	37
3	47	289	44	45	43	35	43	124	41	54	39	66
4	131	45	47	44	45	35	40	126	42	49	38	66
5	49	49	62	44	43	35	203	49	39	48	41	62
6	47	48	48	44	45	44	262	58	42	42	37	155
7	48	47	46	42	46	38	47	53	58	43	38	166
8	48	45	47	43	44	36	44	72	44	39	e38	62
9	127	202	45	43	43	36	44	179	40	39	e39	62
10	50	286	49	43	44	36	51	177	38	39	e39	61
11	127	68	52	41	42	35	45	135	37	37	40	62
12	50	49	48	43	42	36	210	48	36	39	40	62
13	52	46	52	43	42	36	262	44	36	37	40	162
14	48	46	50	42	43	35	43	42	37	37	39	153
15	60	47	48	44	42	36	41	42	38	36	39	62
16	128	206	48	44	45	37	40	42	38	35	39	61
17	51	291	46	42	44	37	41	134	38	34	39	60
18	126	50	46	43	37	39	40	145	39	35	38	59
19	51	47	49	44	36	44	123	45	37	34	38	58
20	50	48	54	44	35	66	131	44	36	34	38	155
21	49	50	47	43	36	55	43	43	36	35	40	141
22	49	48	46	42	68	45	41	40	35	36	38	76
23	48	47	47	42	43	44	39	48	36	36	38	60
24	49	44	64	41	39	41	38	46	e37	36	37	51
25	49	44	50	44	36	41	41	45	38	36	37	48
26	121	45	46	43	37	41	131	46	36	37	37	46
27	118	45	45	41	44	40	129	44	35	36	38	129
28	53	44	44	42	40	39	41	43	35	36	37	144
29	52	45	44	46	---	39	49	43	35	36	36	48
30	48	46	45	44	---	40	48	41	36	38	37	47
31	47	---	46	43	---	38	---	41	---	38	48	---
TOTAL	2139	2614	1499	1341	1191	1233	2385	2128	1155	1823	1196	2461
MEAN	69.0	87.1	48.4	43.3	42.5	39.8	79.5	68.6	38.5	58.8	38.6	82.0
MAX	131	291	64	47	68	66	262	179	58	519	48	166
MIN	47	44	44	41	35	35	37	40	35	34	36	37
CFSM	0.37	0.47	0.26	0.23	0.23	0.22	0.43	0.37	0.21	0.32	0.21	0.44
IN.	0.43	0.53	0.30	0.27	0.24	0.25	0.48	0.43	0.23	0.37	0.24	0.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	65.6	88.3	37.0	39.3	41.0	41.7	80.7	58.3	38.2	42.2	38.2	70.0
MAX	76.7	103	50.1	48.6	48.2	47.3	92.5	71.1	41.8	58.8	40.6	82.0
(WY)	1999	1999	2001	2001	2001	1999	2000	1999	1999	2003	2002	2003
MIN	56.3	75.8	4.28	23.8	29.2	34.1	65.1	33.1	29.9	29.6	35.3	61.6
(WY)	2001	2002	1998	1998	1998	1998	1998	1998	1998	1998	2000	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	20517		21165			
ANNUAL MEAN	56.2		58.0		55.5	
HIGHEST ANNUAL MEAN					58.5	1999
LOWEST ANNUAL MEAN					53.3	2000
HIGHEST DAILY MEAN	291	Nov 17	519	Jul 2	519	Jul 2 2003
LOWEST DAILY MEAN	33	Jan 15	34	Jul 17	2.0	Dec 18 1997
ANNUAL SEVEN-DAY MINIMUM	35	Jan 10	35	Jul 15	2.1	Dec 15 1997
MAXIMUM PEAK FLOW			3330	Jul 2	3330	Jul 2 2003
MAXIMUM PEAK STAGE			9.96	Jul 2	9.96	Jul 2 2003
INSTANTANEOUS LOW FLOW			29	Feb 18	13	Jul 25 2000
ANNUAL RUNOFF (CFSM)	0.30		0.31		0.30	
ANNUAL RUNOFF (INCHES)	4.14		4.27		4.09	
10 PERCENT EXCEEDS	86		122		96	
50 PERCENT EXCEEDS	45		44		42	
90 PERCENT EXCEEDS	39		36		36	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02181580 TALLULAH RIVER AB POWERHOUSE, NR TALLULAH FALLS,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 241
LATITUDE 344355 LONGITUDE 0832233 NAD27 DRAINAGE AREA 184.4 CONTRIBUTING DRAINAGE AREA 184.4* DATUM 940.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.20	5.20	5.25	5.24	5.19	5.11	5.12	5.23	5.15	5.58	5.11	5.14
2	5.72	5.88	5.22	5.21	5.19	5.10	5.11	5.17	5.15	6.48	5.11	5.10
3	5.18	6.09	5.20	5.22	5.19	5.08	5.17	5.74	5.16	5.32	5.13	5.35
4	5.77	5.21	5.24	5.19	5.21	5.07	5.14	5.75	5.18	5.26	5.12	5.44
5	5.21	5.28	5.40	5.20	5.19	5.07	5.87	5.26	5.13	5.25	5.16	5.41
6	5.19	5.25	5.25	5.20	5.21	5.20	6.01	5.36	5.17	5.17	5.11	5.94
7	5.20	5.24	5.23	5.18	5.22	5.11	5.24	5.31	5.37	5.19	5.13	5.98
8	5.20	5.22	5.23	5.18	5.19	5.09	5.20	5.33	5.20	5.13	---	5.41
9	5.76	5.91	5.21	5.18	5.19	5.09	5.20	5.96	5.15	5.13	---	5.40
10	5.23	6.10	5.27	5.18	5.20	5.08	5.28	6.11	5.12	5.13	---	5.40
11	5.77	5.45	5.30	5.17	5.18	5.07	5.21	5.86	5.11	5.09	5.15	5.41
12	5.23	5.26	5.25	5.18	5.18	5.09	5.89	5.24	5.09	5.12	5.15	5.41
13	5.26	5.23	5.30	5.19	5.17	5.08	5.99	5.20	5.08	5.10	5.14	5.96
14	5.20	5.23	5.28	5.17	5.18	5.08	5.18	5.18	5.10	5.10	5.13	5.94
15	5.34	5.24	5.25	5.21	5.18	5.09	5.16	5.18	5.12	5.09	5.14	5.41
16	5.82	5.97	5.25	5.19	5.22	5.10	5.15	5.18	5.12	5.07	5.14	5.39
17	5.24	6.12	5.22	5.17	5.20	5.11	5.17	5.80	5.12	5.06	5.13	5.39
18	5.77	5.28	5.23	5.18	5.10	5.13	5.15	5.86	5.13	5.07	5.12	5.38
19	5.24	5.24	5.26	5.20	5.09	5.20	5.73	5.21	5.11	5.06	5.12	5.36
20	5.23	5.25	5.32	5.20	5.08	5.44	5.77	5.20	5.09	5.06	5.12	5.93
21	5.21	5.28	5.24	5.19	5.08	5.28	5.19	5.18	5.09	5.07	5.14	5.88
22	5.21	5.25	5.22	5.18	5.42	5.21	5.17	5.14	5.08	5.09	5.12	5.52
23	5.20	5.23	5.23	5.18	5.18	5.20	5.13	5.25	5.09	5.10	5.12	5.38
24	5.21	5.21	5.41	5.16	5.14	5.17	5.13	5.23	---	5.09	5.11	5.29
25	5.21	5.20	5.27	5.20	5.10	5.16	5.16	5.21	5.09	5.09	5.10	5.26
26	5.74	5.21	5.23	5.19	5.11	5.16	5.77	5.23	5.08	5.10	5.11	5.23
27	5.73	5.22	5.21	5.17	5.20	5.15	5.76	5.20	5.08	5.09	5.11	5.78
28	5.27	5.21	5.20	5.17	5.14	5.14	5.16	5.18	5.06	5.09	5.11	5.84
29	5.26	5.22	5.20	5.22	---	5.13	5.25	5.19	5.08	5.09	5.10	5.25
30	5.20	5.23	5.21	5.20	---	5.14	5.25	5.16	5.08	5.12	5.11	5.24
31	5.18	---	5.23	5.19	---	5.12	---	5.17	---	5.12	5.22	---
MEAN	5.36	5.40	5.25	5.19	5.18	5.14	5.36	5.36	---	5.18	---	5.49
MAX	5.82	6.12	5.41	5.24	5.42	5.44	6.01	6.11	---	6.48	---	5.98
MIN	5.18	5.20	5.20	5.16	5.08	5.07	5.11	5.14	---	5.06	---	5.10

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02181580 TALLULAH RIVER AB POWERHOUSE, NR TALLULAH FALLS,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 241
LATITUDE 344355 LONGITUDE 0832233 NAD27 DRAINAGE AREA 184.4 CONTRIBUTING DRAINAGE AREA 184.4* DATUM 940.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.28	0.00	0.05	0.00	0.52	0.00	4.74	0.03	0.00
2	0.00	0.00	0.03	0.20	0.00	0.00	0.00	0.03	0.00	0.47	0.00	0.00
3	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.52	0.93	0.42	0.51
4	0.07	0.00	1.66	0.00	0.49	0.02	0.08	0.00	0.39	0.19	0.02	0.25
5	0.00	1.58	0.82	0.00	0.00	0.35	0.77	2.02	0.00	0.00	0.43	0.00
6	0.11	0.00	0.00	0.00	0.73	1.09	0.44	0.70	1.30	0.07	0.09	0.00
7	0.20	0.00	0.00	0.00	0.07	0.00	0.75	0.53	1.93	0.49	0.26	0.06
8	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.01	0.00	0.10	0.00
9	0.00	0.04	0.00	0.18	0.00	0.00	0.24	0.00	0.00	0.00	0.92	0.00
10	0.63	0.47	1.25	0.01	0.22	0.00	1.23	0.00	0.00	0.24	0.05	0.00
11	0.02	1.83	0.06	0.00	0.00	0.00	0.00	0.10	0.00	0.01	0.28	0.00
12	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.41	0.00
13	0.92	0.01	0.81	0.00	0.00	0.11	0.00	0.00	0.10	0.21	0.00	0.00
14	0.02	0.00	0.00	0.00	0.23	0.11	0.00	0.00	0.00	0.00	0.01	0.03
15	2.53	0.85	0.00	0.00	0.00	0.13	0.00	0.07	0.34	0.00	0.01	0.01
16	0.03	1.14	0.00	0.00	1.00	0.27	0.00	0.00	0.26	0.01	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.53	0.69	0.44	0.09	0.56	0.09	0.00
18	0.00	0.00	0.00	0.00	0.00	0.23	0.12	0.27	0.51	0.00	0.00	0.00
19	0.00	0.03	1.06	0.03	0.00	1.51	0.01	0.01	0.06	0.01	0.00	0.00
20	0.09	0.21	0.21	0.00	0.01	0.96	0.00	0.00	0.00	0.06	0.00	0.00
21	0.03	0.52	0.00	0.01	0.35	0.00	0.69	0.34	0.00	0.00	0.37	0.32
22	0.00	0.00	0.01	0.00	2.42	0.00	0.00	1.03	0.00	0.07	0.15	3.24
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.16	0.01	0.01
24	0.00	0.00	2.11	0.00	0.01	0.00	0.10	0.00	0.00	0.00	0.00	0.00
25	0.23	0.00	0.06	0.00	0.00	0.00	0.70	0.01	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.46	0.00	0.06	0.01	0.00	0.00	0.00	0.00
27	0.01	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.23
28	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.01
29	0.54	0.00	0.00	0.92	---	0.03	2.14	0.01	0.00	0.00	0.00	0.00
30	0.10	0.00	0.00	0.16	---	0.53	0.63	0.00	0.17	0.00	0.14	0.00
31	0.00	---	0.60	0.00	---	0.00	---	0.00	---	0.31	1.76	---
TOTAL	6.40	6.98	8.68	1.83	6.97	5.92	8.90	6.21	5.91	8.53	5.60	4.67

SAVANNAH RIVER BASIN
2003 Water Year

02187250 HARTWELL LAKE NEAR HARTWELL, GA

LOCATION.—Lat 34°21'25", long 82°49'20" referenced to North American Datum (NAD) of 1927, Hart County, GA-Anderson County, SC, Hydrologic Unit 03060103, in right spillway elevator tower of dam on Savannah River, 1.9 miles upstream from Big Generostee Creek, 6.4 miles east of Hartwell, and at mile 305.0.

REMARKS.-- Water levels and lake contents are collected by the U.S. Army Corps of Engineers, Savannah District. Please see the following Internet location for more information:

http://www.sas.usace.army.mil/hydrodat.htm

SAVANNAH RIVER BASIN
2003 Water Year

02189004 RUSSELL LAKE NEAR CALHOUN FALLS, SC

LOCATION.—Lat 34°01'30", long 82°35'42" referenced to North American Datum (NAD) of 1927, Elbert County, GA-Abbeville County, SC, Hydrologic Unit 03060103, in left spillway elevator tower of dam on Savannah River, 1.2 miles downstream from Beer Manor Creek, 4.6 miles south of Calhoun Falls, SC, at river mile 275.1.

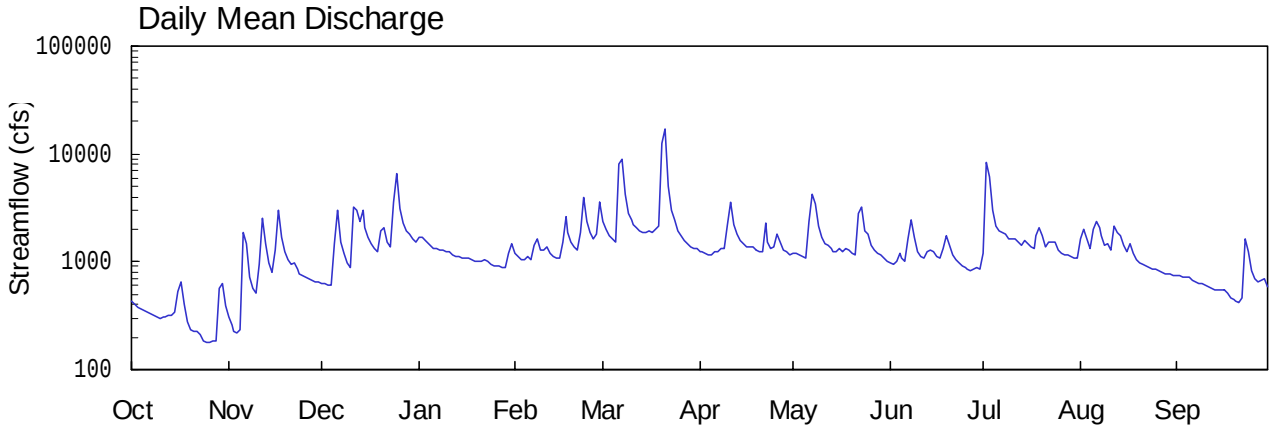
REMARKS.—Water levels and lake contents are collected by the U.S. Army Corps of Engineers, Savannah District. Please see the following Internet location for more information:

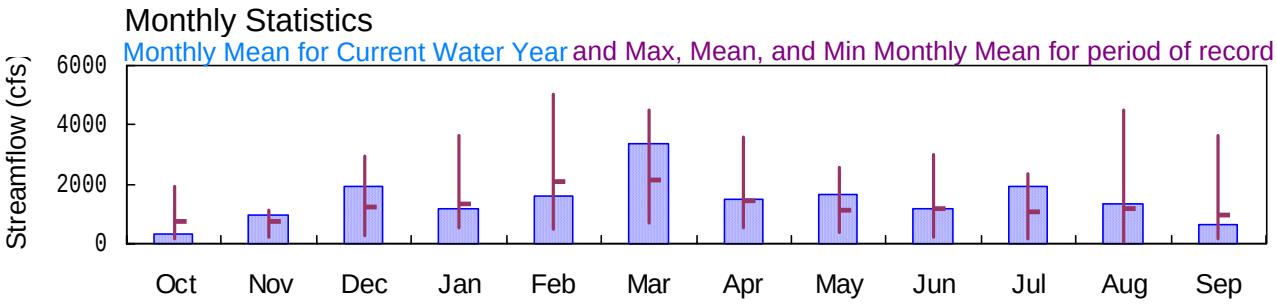
http://www.sas.usace.army.mil/hydrodat.htm

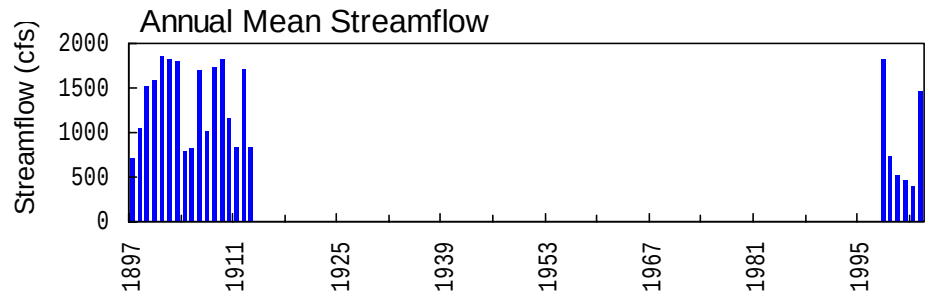
2003 Water Year

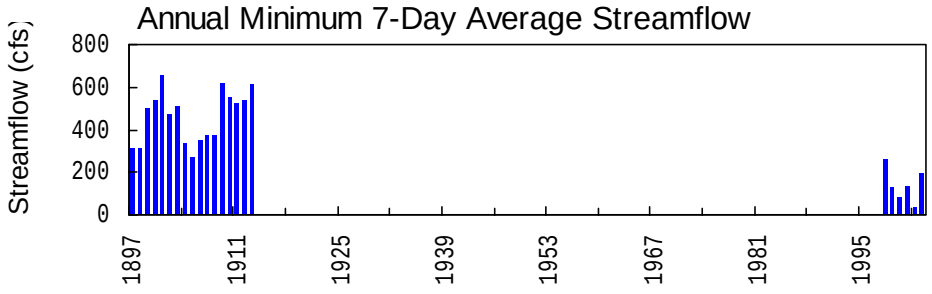
02191300 BROAD RIVER ABOVE CARLTON, GA

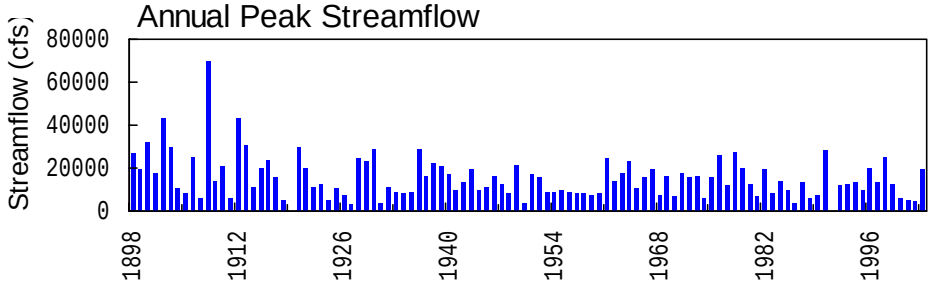
Latitude: 34°04'24" Longitude: 083°00'12" Hydrologic Unit Code: 03060104 Madison County
Drainage Area: 760.0 mi² Datum: 404.5 feet











SAVANNAH RIVER BASIN
2003 Water Year

02191300 BROAD RIVER ABOVE CARLTON, GA

LOCATION.—Lat 34°04'24", long 83°00'12" referenced to North American Datum (NAD) of 1983, Elbert-Madison County line, Hydrologic Unit 03060104, at downstream side of bridge on GA 72, 2.7 miles upstream from South Fork Broad River, 2.8 miles northeast of Carlton.

DRAINAGE AREA.—760 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1897 to December 1912. January 1913 to September 1997 (annual maximum stage only). Prior to January 1, 1918, published as "near Carlton" (02191500). September 29, 1997 to current year.

REVISED RECORDS.—WDR GA-1999, 2000: Annual mean.

GAGE.—Satellite telemetry with water-stage recorder. Datum of gage is 406.55 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment). Prior to January 1, 1918, a non-recording gage was located at Seaboard Coast Line Railway bridge about 0.75 miles downstream at datum 5.67 feet lower. From January 1, 1978 to September 1936, a non-recording gage was located at bridge 100.00 feet upstream at same datum. From October 1936 to April 1954, a non-recording gage was located at present site and datum.

REMARKS.—Records fair, except for periods of estimated discharge, which are poor.

PEAK DISCHARGES FOR CURENT YEAR.--Peak discharges greater than base discharge of 8,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/06	1745	12,600	16.57
03/21	0715	19,300*	21.45*
07/02	0700	9,310	13.85

02191300 BROAD RIVER ABOVE CARLTON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—July 1897 to December 1912. January 1913 to September 1997 (annual maximum stage only). Prior to January 1, 1918, published as "near Carlton" (02191500). September 29, 1997 to current year.

REVISED RECORDS.—WDR GA-96-1: Drainage area.

GAGE.—Satellite telemetry with water-stage recorder. Datum of gage is 406.55 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment). Prior to January 1, 1918, a non-recording gage was located at Seaboard Coast Line Railway bridge about 0.75 miles downstream at datum 5.67 feet lower. From January 1, 1978 to September 1936, a non-recording gage was located at bridge 100.00 feet upstream at same datum. From October 1936 to April 1954, a non-recording gage was located at present site and datum.

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 21.45 feet, March 21; minimum gage-height recorded, 2.12 feet, October 25.

PRECIPITATION RECORDS

PERIOD OF RECORD.—September 29, 1997 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02191300 BROAD RIVER ABOVE CARLTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 195
LATITUDE 340424 LONGITUDE 0830012 NAD83 DRAINAGE AREA 760.00* CONTRIBUTING DRAINAGE AREA DATUM 404.55 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	430	303	635	1700	1210	2370	1260	1190	988	1210	1650	754
2	399	257	621	1710	1110	1990	1220	1200	946	8320	1970	744
3	378	228	614	e1550	1040	1750	1180	1150	1010	6120	1640	726
4	362	218	617	e1450	1050	1600	1160	1110	1210	2990	1330	720
5	351	230	1470	e1380	1130	1540	1150	1070	1070	2160	1990	712
6	343	1890	2960	e1340	1050	8170	1260	2370	997	1900	2400	673
7	333	1490	1520	e1310	1420	8900	1230	4190	1600	1840	2080	647
8	317	730	1180	e1280	1610	4170	1330	3470	2420	1790	1750	632
9	310	559	975	e1270	1300	2790	1330	2110	1670	1650	1410	625
10	300	505	871	1250	1300	2420	2250	1690	1260	1630	1460	611
11	303	933	3180	1220	1380	2230	3580	1480	1100	1630	1290	591
12	309	2520	3010	1170	1210	2050	2210	1420	1070	1510	2110	576
13	313	1470	2400	1130	1130	1950	1830	1320	1220	1420	1850	555
14	315	975	2980	1110	1080	1900	1580	1240	1280	1570	1740	540
15	337	808	2080	1090	1080	1890	1460	1260	1250	1490	1400	543
16	529	1290	1670	1070	1530	1910	1400	1330	1140	1380	1250	540
17	659	3040	1470	1070	2610	1840	1360	1250	1100	1330	1470	509
18	e400	1700	1340	1050	1870	1990	1400	1340	1310	1730	1200	470
19	278	1250	1250	1020	1510	2140	1300	1270	1770	2100	1050	454
20	235	1060	1900	1000	1360	12600	1240	1200	1420	1730	986	430
21	227	945	2080	1010	1290	16800	1250	1170	1160	1390	950	418
22	223	963	1540	1030	1860	5090	2250	2790	1050	1520	919	458
23	214	861	1370	1010	3980	3020	1540	3180	970	1540	886	1600
24	183	782	3520	944	2390	2420	1350	1910	917	1530	858	1230
25	178	742	6560	912	1870	1960	1390	1800	880	1300	841	828
26	179	712	3090	924	1630	1730	1830	1400	848	1210	823	702
27	182	693	2250	914	1780	1590	1520	1290	828	1180	796	645
28	185	677	1950	888	3590	1460	1300	1210	855	1150	770	681
29	559	659	1790	885	---	1370	1230	1140	888	1100	777	684
30	636	651	1630	1190	---	1340	1170	1090	844	1080	771	584
31	384	---	1510	1490	---	1320	---	1020	---	1100	756	---
TOTAL	10351	29141	60033	36367	45370	104300	45560	50660	35071	59600	41173	19882
MEAN	334	971	1937	1173	1620	3365	1519	1634	1169	1923	1328	663
MAX	659	3040	6560	1710	3980	16800	3580	4190	2420	8320	2400	1600
MIN	178	218	614	885	1040	1320	1150	1020	828	1080	756	418
CFSM	0.44	1.28	2.55	1.54	2.13	4.43	2.00	2.15	1.54	2.53	1.75	0.87
IN.	0.51	1.43	2.94	1.78	2.22	5.11	2.23	2.48	1.72	2.92	2.02	0.97

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 2003, BY WATER YEAR (WY)

MEAN	764	744	1216	1325	2097	2118	1468	1105	1180	1051	1171	963
MAX	1919	1151	2959	3624	5010	4476	3573	2563	2996	2341	4488	3665
(WY)	1899	1998	1902	1906	1902	1902	1998	1998	1900	1906	1908	1898
MIN	179	232	269	520	508	687	556	379	229	141	73.5	176
(WY)	2002	2002	2002	2001	2001	1905	1905	2001	2002	2000	2002	2001

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1897 - 2003	
ANNUAL TOTAL	221008		537508			
ANNUAL MEAN	606		1473		1267	
HIGHEST ANNUAL MEAN					1860	1901
LOWEST ANNUAL MEAN					390	2002
HIGHEST DAILY MEAN	6560	Dec 25	16800	Mar 21	47200	Aug 25 1908
LOWEST DAILY MEAN	15	Sep 13	178	Oct 25	15	Sep 13 2002
ANNUAL SEVEN-DAY MINIMUM	34	Sep 7	192	Oct 22	34	Sep 7 2002
MAXIMUM PEAK FLOW			19300	Mar 21	70000	Aug 25 1908
MAXIMUM PEAK STAGE			21.45	Mar 21	39.00	Aug 25 1908
INSTANTANEOUS LOW FLOW			171	Oct 25	14	Sep 13 2002
ANNUAL RUNOFF (CFSM)	0.80		1.94		1.67	
ANNUAL RUNOFF (INCHES)	10.82		26.31		22.66	
10 PERCENT EXCEEDS	1330		2300		2140	
50 PERCENT EXCEEDS	452		1250		805	
90 PERCENT EXCEEDS	96		465		340	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02191300 BROAD RIVER ABOVE CARLTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 195
LATITUDE 340424 LONGITUDE 0830012 NAD83 DRAINAGE AREA 760.00* CONTRIBUTING DRAINAGE AREA DATUM 404.55 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.64	2.40	2.45	4.41	3.55	5.53	4.79	4.66	4.27	4.44	4.97	3.52
2	2.58	2.30	2.43	4.44	3.35	4.88	4.72	4.67	4.19	12.94	5.47	3.50
3	2.55	2.25	2.42	---	3.22	4.49	4.64	4.58	4.32	10.76	4.95	3.46
4	2.52	2.23	2.42	---	3.23	4.25	4.59	4.51	4.70	6.99	4.42	3.45
5	2.49	2.25	3.90	---	3.40	4.15	4.59	4.42	4.44	5.79	5.45	3.44
6	2.48	5.14	6.46	---	3.23	12.05	4.79	6.38	4.29	5.40	6.13	3.37
7	2.46	4.54	4.11	---	3.92	13.44	4.73	8.75	5.32	5.29	5.66	3.32
8	2.43	3.05	3.49	---	4.25	8.22	4.92	7.90	6.56	5.21	5.14	3.30
9	2.41	2.69	3.09	---	3.72	6.22	4.92	6.12	5.46	4.98	4.56	3.28
10	2.39	2.54	2.90	3.63	3.72	5.61	6.23	5.50	4.79	4.94	4.65	3.26
11	2.40	3.28	6.65	3.57	3.85	5.28	8.04	5.17	4.49	4.94	4.35	3.22
12	2.41	6.01	6.53	3.46	3.56	4.98	6.26	5.07	4.42	4.74	5.71	3.20
13	2.42	4.20	5.56	3.39	3.39	4.82	5.71	4.91	4.72	4.58	5.31	3.16
14	2.42	3.23	6.50	3.36	3.30	4.73	5.33	4.75	4.83	4.84	5.13	3.13
15	2.47	2.86	5.03	3.32	3.30	4.73	5.13	4.79	4.78	4.71	4.54	3.13
16	2.81	3.67	4.37	3.27	4.08	4.75	5.04	4.92	4.55	4.51	4.26	3.13
17	3.05	6.60	4.02	3.29	5.93	4.64	4.97	4.77	4.49	4.41	4.67	3.07
18	---	4.41	3.79	3.23	4.70	4.88	5.04	4.93	4.89	5.05	4.29	3.00
19	2.35	3.62	3.62	3.18	4.09	5.12	4.87	4.82	5.62	5.68	4.08	2.98
20	2.26	3.26	4.73	3.14	3.82	16.32	4.76	4.68	5.07	5.11	3.96	2.94
21	2.24	3.04	5.03	3.16	3.69	19.65	4.77	4.62	4.60	4.54	3.90	2.92
22	2.24	3.07	4.15	3.21	4.65	9.41	6.32	6.88	4.39	4.75	3.84	2.99
23	2.22	2.88	3.85	3.17	7.98	6.96	5.26	7.51	4.23	4.79	3.78	5.05
24	2.15	2.72	6.93	3.03	5.55	6.26	4.95	5.83	4.13	4.77	3.72	4.43
25	2.13	2.64	11.18	2.97	4.69	5.76	5.02	5.66	4.06	4.36	3.69	3.66
26	2.14	2.59	6.65	3.00	4.29	5.56	5.71	5.04	4.00	4.19	3.65	3.42
27	2.14	2.55	5.33	2.98	4.55	5.34	5.24	4.86	3.96	4.13	3.60	3.32
28	2.15	2.53	4.82	2.93	7.42	5.14	4.87	4.70	4.02	4.08	3.55	3.39
29	2.88	2.50	4.56	2.92	---	5.00	4.73	4.57	4.08	3.99	3.56	3.39
30	3.01	2.48	4.29	3.50	---	4.95	4.62	4.47	4.00	3.94	3.55	3.21
31	2.55	---	4.10	4.06	---	4.91	---	4.34	---	3.98	3.52	---
MEAN	---	3.25	4.69	---	4.23	6.71	5.19	5.32	4.59	5.25	4.45	3.35
MAX	---	6.60	11.18	---	7.98	19.65	8.04	8.75	6.56	12.94	6.13	5.05
MIN	---	2.23	2.42	---	3.22	4.15	4.59	4.34	3.96	3.94	3.52	2.92

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02191300 BROAD RIVER ABOVE CARLTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 195
LATITUDE 340424 LONGITUDE 0830012 NAD83 DRAINAGE AREA 760.00* CONTRIBUTING DRAINAGE AREA DATUM 404.55 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.11	0.00	0.08	0.00	0.19	0.00	3.80	0.00	0.00
2	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.38	0.00	0.04	0.00	0.06
3	0.00	0.07	0.00	---	0.00	0.00	0.00	0.00	0.39	0.00	0.07	0.00
4	0.00	0.04	0.19	---	0.42	0.03	0.00	0.00	0.00	0.00	0.00	0.20
5	0.00	1.15	0.64	---	0.00	0.87	0.13	0.86	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	---	0.65	1.62	0.15	1.40	0.80	0.01	0.03	0.00
7	0.04	0.00	0.00	---	0.12	0.03	0.37	0.08	1.46	0.20	0.33	0.00
8	0.00	0.00	0.00	---	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	---	0.01	0.00	0.07	0.00	0.00	0.00	0.06	0.00
10	0.02	0.02	0.81	0.00	0.47	0.00	1.24	0.00	0.00	0.94	0.00	0.00
11	0.00	1.76	0.02	0.00	0.00	0.00	0.01	0.05	0.00	0.08	1.35	0.00
12	0.00	0.90	0.00	0.00	0.00	0.00	0.00	0.01	0.50	0.00	0.37	0.00
13	0.05	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.46	0.99	0.06	0.00
14	0.21	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.11	0.03	0.00	0.00
15	1.17	0.06	0.00	0.00	0.00	0.63	0.00	0.50	0.01	0.00	0.01	0.00
16	0.06	1.30	0.00	0.13	1.09	0.00	0.00	0.00	0.06	0.00	0.13	0.00
17	0.00	0.00	0.00	0.00	0.01	0.48	0.30	0.01	0.09	0.00	0.01	0.00
18	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.26	1.21	0.00	0.00	0.00
19	0.00	0.01	0.39	0.00	0.00	0.89	0.00	0.01	0.00	0.03	0.00	0.00
20	1.02	0.00	0.24	0.00	0.00	1.06	0.01	0.00	0.00	0.00	0.00	0.00
21	0.01	0.00	0.00	0.14	0.11	0.01	0.25	0.70	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.01	0.99	0.00	0.00	1.97	0.00	0.25	0.00	1.48
23	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.22	0.00	0.01
24	0.00	0.00	2.05	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
25	0.09	0.00	0.00	0.00	0.00	0.00	0.56	0.22	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.31	0.46	0.00	0.02	0.00	0.21	0.00	0.00
27	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.01	0.01	0.00	0.13
28	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00
29	0.44	0.00	0.00	0.39	---	0.00	0.00	0.01	0.00	0.00	0.00	0.00
30	0.01	0.00	0.00	0.74	---	0.11	0.00	0.00	0.09	0.00	0.15	0.00
31	0.00	---	0.64	0.00	---	0.00	---	0.00	---	0.75	0.00	---
TOTAL	3.69	5.31	6.08	---	4.60	6.96	3.49	6.70	5.45	7.56	2.57	1.88

02191580 SOUTH FORK BROAD RIVER AT CR 147, NEAR ILA, GA

LOCATION.—Lat 34°09'47", long 83°17'39" referenced to North American Datum (NAD) of 1927, Madison County, Hydrologic Unit Code 03060104, 60.0 feet downstream from bridge on Old Ila Road, 0.15 miles downstream from Wolf Branch, and 0.65 miles south of Ila, GA.

DRAINAGE AREA.—16.9 square miles.

COOPERATION.—U.S. Environmental Protection Agency.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—October 20, 2000 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 720.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 4, effective October 1, 2002 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
11/02/02	21.79	81.3
12/10/02	20.48	10.9
02/20/03	20.70	22.3
04/15/03	20.60	22.1
06/10/03	20.53	17.6
08/21/03	20.21	8.87

02191600 DOUBLE BRANCH AT US 29, NEAR DANIELSVILLE, GA

LOCATION.—Lat 34°06'06", long 83°14'11" referenced to North American Datum (NAD) of 1927, Hydrologic Unit 03060104, 1000 feet downstream of US 29, 1.0 mile upstream from confluence of the South Fork Broad River, approximately 6.0 miles south of Zeb's BBQ, and 1.7 miles south-southwest of Danielsville.

DRAINAGE AREA.—4.8 square miles.

COOPERATION.—U.S. Environmental Protection Agency.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—October 20, 2000 to current year.

GAGE.—Standard USGS vertical staff. Datum of gage is 630.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 4, effective October 1, 2001 to current year.

REMARKS.—Records fair. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
12/10/02	21.09	3.03
02/20/03	21.22	6.40
04/15/03	21.22	7.61
04/25/03	21.40	12.1
06/10/03	21.19	5.84
08/14/03	21.13	2.93

SAVANNAH RIVER BASIN
2003 Water Year

02191693 BRUSH CREEK AT MCCARTY-DODD ROAD, NEAR COMER, GA

LOCATION.—Lat 34° 03' 55", long 83° 11' 31" referenced to North American Datum (NAD) of 1983, Madison County, Hydrologic Unit 03060104, 50.0 feet upstream of culvert on McCarty-Dodd Road, 1.7 miles upstream of confluence with the South Fork Broad River, and 3.8 miles west of Comer.

DRAINAGE AREA.—34.1 square miles.

COOPERATION.—U.S. Environmental Protection Agency.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—October 13, 2000 to current year.

GAGE.—Standard USGS vertical staff. Datum of gage is 640.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 3, effective October 1, 2002 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
11/12/02	13.01	189
12/10/02	11.34	20.8
02/20/03	11.72	53.7
03/06/03	14.03	340
04/15/03	11.69	50.6
06/10/03	11.67	48.2
08/21/03	11.44	28.4

02191695 SOUTH FORK BROAD RIVER AT GA 172, NEAR COMER, GA

LOCATION.—Lat 34° 03' 55", long 83° 10' 07" referenced to North American Datum (NAD) of 1927, Madison County, Hydrologic Unit 03060104, on left side of low water channel, 10.0 feet downstream from the bridge on GA Highway 172, 0.1 miles downstream from Bragh Creek, and 2.5 miles west of Comer.

DRAINAGE AREA.—85.9 square miles.

COOPERATION.—U.S. Environmental Protection Agency.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—October 13, 2000 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 580.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 3, effective October 1, 2002 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
12/10/02	34.99	53.4
02/20/03	35.42	127
03/06/03	38.16	1,430
04/22/03	35.41	118
06/23/03	35.14	85.9
08/21/03	34.86	60.5

02191740 CLOUDS CREEK AT WATSON MILL STATE PARK, NEAR CARLTON, GA

LOCATION.—Lat 34°01'14", long 83°04'10" referenced to North American Datum (NAD) of 1927, Oglethorpe County, Hydrologic Unit 03060104, adjacent to County Road 206, in Watson Mill State Park, 800 feet upstream of an abandoned bridge, 0.3 miles upstream of the confluence with the South Fork Broad River, and 2.6 miles southwest of Carlton.

DRAINAGE AREA.—16.9 square miles.

COOPERATION.—U.S. Environmental Protection Agency.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—Water years 1943, 1953, 1955, 1979, 1980, 1981, 1986, October 13, 2000 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 500.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 3, effective October 1, 2001 to current year.

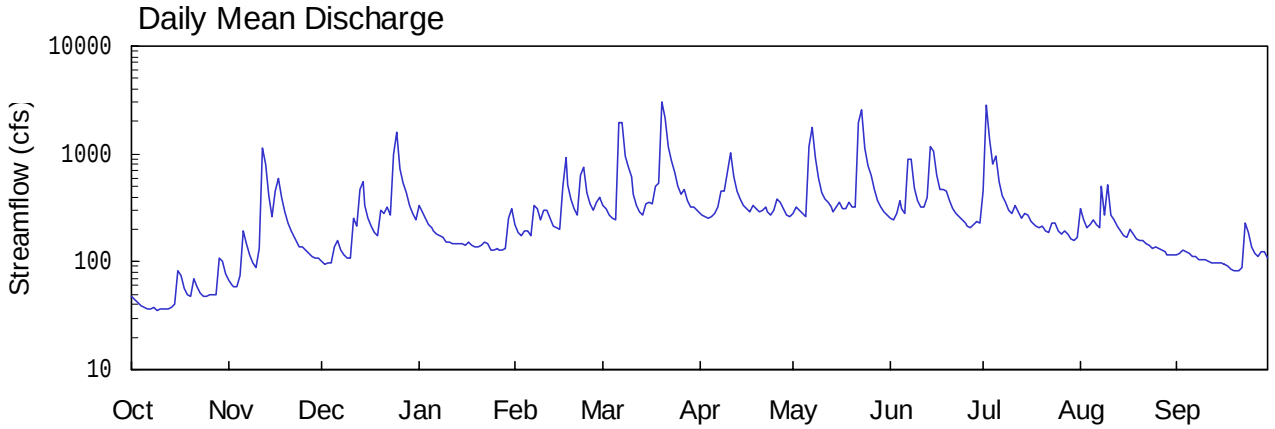
REMARKS.—Records fair. Measurements for the current water year are as follows:

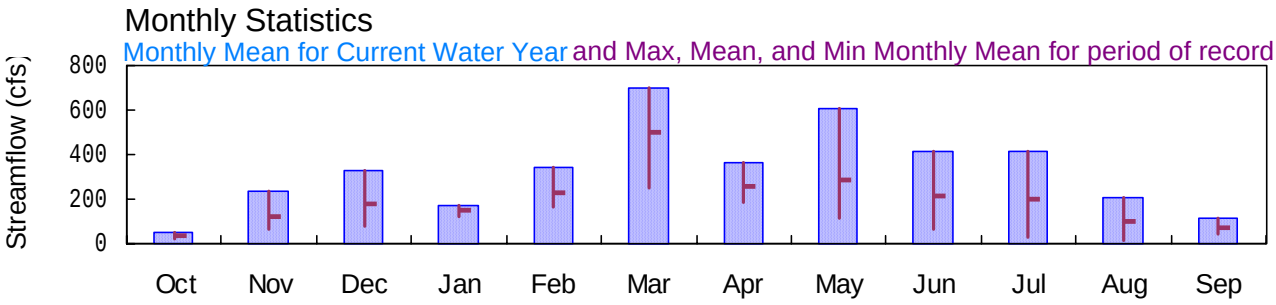
DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
02/20/03	33.95	58.5
04/22/03	33.98	57.4
06/23/03	33.87	45.9
08/14/03	33.85	43.5

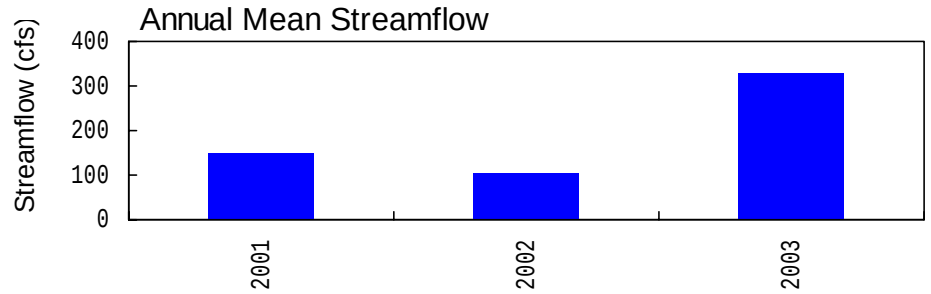
2003 Water Year

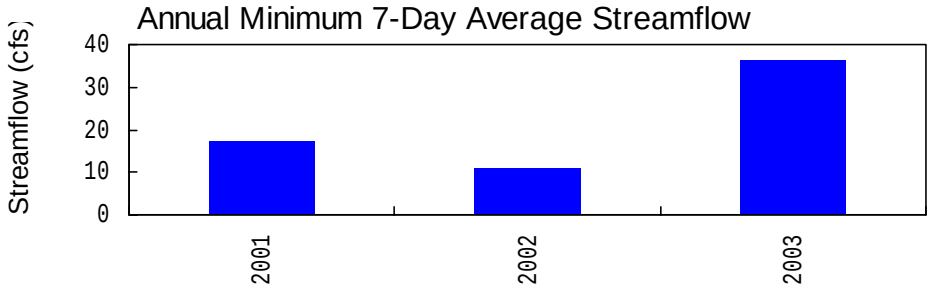
02191743 SOUTH FORK BROAD RIVER AT CARLTON, GA

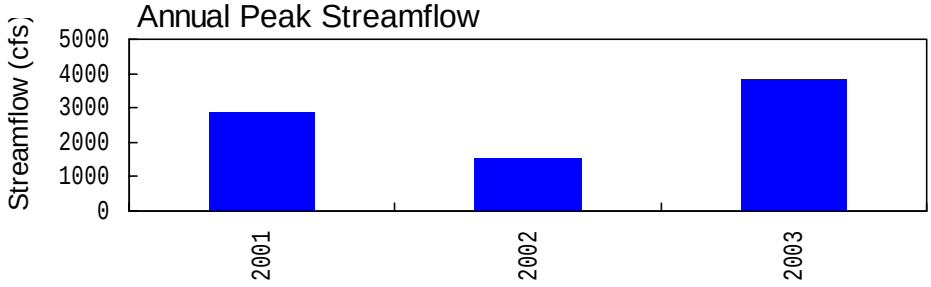
Latitude: 34°01'53" Longitude: 083°00'33" Hydrologic Unit Code: 03060104 Madison County
Drainage Area: 224. mi^2 Datum: 460.0 feet











NO PHOTOS AVAILABLE FOR THIS SITE

SAVANNAH RIVER BASIN
2003 Water Year

02191743 SOUTH FORK BROAD RIVER AT CARLTON, GA

LOCATION.—Lat 34°01'53", long 83°00'33" referenced to North American Datum (NAD) of 1927, Madison County, Hydrologic Unit 03060104, under bridge on landward side of left bank pier web, on County Road 541, 1.4 miles downstream from Mule Branch, and 1.4 miles southeast of Carlton.

DRAINAGE AREA.—224 square miles, approximately.

COOPERATION.— U.S. Environmental Protection Agency.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 16, 2000 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 460.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair, except for periods of estimated discharge, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 16, 2000 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 460.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 4.89 feet, March 20; minimum gage-height recorded, 1.62 feet, October 6, 7, 9, 10, 12, 13.

PRECIPITATION RECORDS

PERIOD OF RECORD.—July 26, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02191743 SOUTH FORK BROAD RIVER AT CARLTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 195
LATITUDE 340153 LONGITUDE 0830033 NAD27 DRAINAGE AREA 224.0* CONTRIBUTING DRAINAGE AREA DATUM 460.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	66	100	335	223	333	280	280	256	459	316	115
2	45	60	95	287	190	313	271	322	243	2850	243	119
3	42	58	97	250	174	276	262	302	276	1390	208	128
4	39	58	97	219	192	251	255	278	368	812	219	123
5	38	75	138	204	193	245	258	265	309	940	248	120
6	36	190	158	192	175	1980	277	1170	279	545	222	114
7	37	148	128	178	334	1970	322	1760	892	406	209	110
8	38	115	115	173	312	952	e459	931	880	355	504	103
9	36	98	110	169	249	744	e459	595	492	296	268	105
10	36	87	110	153	305	613	e680	443	373	284	526	103
11	37	133	254	153	303	429	1040	378	318	334	275	102
12	36	1120	215	149	252	332	607	352	321	295	244	99
13	36	805	469	146	217	292	454	317	395	251	216	97
14	37	409	555	145	204	273	378	292	1180	276	194	97
15	40	262	334	145	199	341	333	324	1050	271	176	97
16	81	458	258	142	503	357	310	361	636	239	168	96
17	75	590	214	154	923	344	295	313	465	222	198	90
18	58	398	187	141	525	493	328	314	462	211	178	87
19	50	293	172	138	377	537	306	354	460	206	162	83
20	49	226	303	136	307	3080	295	320	364	216	156	83
21	68	193	278	140	268	2180	298	324	312	190	156	81
22	59	170	325	152	629	1170	318	1980	280	186	147	89
23	51	149	275	145	758	875	289	2600	258	230	141	226
24	48	138	1000	130	435	681	271	1140	243	229	135	187
25	48	135	1590	128	344	494	304	782	228	191	137	138
26	49	128	727	133	302	425	377	645	215	179	134	120
27	49	121	528	130	360	475	351	463	210	192	127	112
28	50	114	432	128	394	366	308	367	223	182	124	123
29	108	108	333	133	---	327	275	318	237	165	118	123
30	101	107	277	258	---	318	265	291	226	156	117	109
31	77	---	244	310	---	299	---	271	---	170	115	---
TOTAL	1602	7012	10118	5396	9647	21765	10925	18852	12451	12928	6381	3379
MEAN	51.7	234	326	174	345	702	364	608	415	417	206	113
MAX	108	1120	1590	335	923	3080	1040	2600	1180	2850	526	226
MIN	36	58	95	128	174	245	255	265	210	156	115	81
CFSM	0.23	1.04	1.46	0.78	1.54	3.13	1.63	2.71	1.85	1.86	0.92	0.50
IN.	0.27	1.16	1.68	0.90	1.60	3.61	1.81	3.13	2.07	2.15	1.06	0.56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2003, BY WATER YEAR (WY)

MEAN	37.7	120	178	149	227	503	257	283	213	199	101	72.4
MAX	51.7	234	326	174	345	702	364	608	415	417	206	113
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	19.6	61.5	79.3	120	161	252	189	113	62.0	28.1	13.1	40.9
(WY)	2001	2001	2002	2001	2001	2002	2002	2001	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1997 - 2003	
ANNUAL TOTAL	50912.0		120456			
ANNUAL MEAN	139		330		195	
HIGHEST ANNUAL MEAN					330	2003
LOWEST ANNUAL MEAN					104	2002
HIGHEST DAILY MEAN	1590	Dec 25	3080	Mar 20	3080	Mar 20 2003
LOWEST DAILY MEAN	9.2	Sep 13	36	Oct 6	9.2	Sep 13 2002
ANNUAL SEVEN-DAY MINIMUM	11	Aug 11	37	Oct 6	11	Aug 11 2002
MAXIMUM PEAK FLOW			3830	Mar 20	2870	Mar 15 2001
MAXIMUM PEAK STAGE			4.89	Mar 20	4.20	Mar 15 2001
INSTANTANEOUS LOW FLOW			35	Oct 6		
ANNUAL RUNOFF (CFSM)	0.62		1.47		0.87	
ANNUAL RUNOFF (INCHES)	8.46		20.00		11.83	
10 PERCENT EXCEEDS	282		619		389	
50 PERCENT EXCEEDS	97		245		117	
90 PERCENT EXCEEDS	15		83		28	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02191743 SOUTH FORK BROAD RIVER AT CARLTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 195
LATITUDE 340153 LONGITUDE 0830033 NAD27 DRAINAGE AREA 224.0* CONTRIBUTING DRAINAGE AREA DATUM 460.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.71	1.79	1.88	2.24	2.10	2.24	2.18	2.18	2.15	2.34	2.22	1.91
2	1.69	1.77	1.87	2.18	2.05	2.22	2.17	2.23	2.13	4.24	2.13	1.92
3	1.67	1.75	1.87	2.14	2.02	2.17	2.15	2.20	2.17	3.19	2.08	1.94
4	1.66	1.76	1.87	2.09	2.05	2.14	2.14	2.17	2.29	2.73	2.09	1.93
5	1.64	1.81	1.95	2.07	2.05	2.13	2.15	2.16	2.21	2.84	2.13	1.92
6	1.63	2.05	1.99	2.05	2.02	3.57	2.17	2.99	2.18	2.48	2.10	1.91
7	1.63	1.98	1.94	2.03	2.24	3.61	2.23	3.47	2.78	2.33	2.08	1.90
8	1.64	1.91	1.91	2.02	2.22	2.85	---	2.83	2.78	2.27	2.43	1.89
9	1.62	1.87	1.90	2.01	2.14	2.67	---	2.53	2.43	2.20	2.16	1.89
10	1.62	1.85	1.90	1.98	2.21	2.55	---	2.38	2.29	2.18	2.46	1.88
11	1.63	1.93	2.14	1.99	2.20	2.36	2.91	2.30	2.22	2.24	2.17	1.88
12	1.63	2.96	2.09	1.98	2.14	2.24	2.55	2.27	2.23	2.19	2.13	1.87
13	1.63	2.72	2.36	1.97	2.09	2.19	2.39	2.22	2.31	2.14	2.09	1.87
14	1.64	2.33	2.49	1.97	2.07	2.17	2.30	2.19	3.03	2.17	2.06	1.87
15	1.66	2.15	2.24	1.97	2.06	2.25	2.24	2.23	2.93	2.17	2.03	1.87
16	1.82	2.37	2.15	1.96	2.38	2.27	2.21	2.28	2.57	2.12	2.01	1.87
17	1.81	2.53	2.09	1.99	2.82	2.26	2.19	2.22	2.40	2.10	2.06	1.85
18	1.75	2.32	2.04	1.96	2.46	2.43	2.24	2.22	2.39	2.08	2.03	1.85
19	1.72	2.19	2.02	1.96	2.30	2.47	2.21	2.27	2.39	2.08	2.00	1.84
20	1.71	2.10	2.20	1.95	2.21	4.38	2.19	2.23	2.28	2.09	1.99	1.83
21	1.79	2.05	2.17	1.96	2.16	3.77	2.20	2.23	2.22	2.05	1.99	1.83
22	1.76	2.02	2.23	1.98	2.52	3.03	2.22	3.58	2.18	2.04	1.97	1.85
23	1.72	1.98	2.17	1.97	2.68	2.78	2.19	4.06	2.15	2.11	1.96	2.10
24	1.71	1.96	2.81	1.94	2.36	2.62	2.16	3.00	2.13	2.11	1.95	2.04
25	1.71	1.95	3.34	1.94	2.26	2.43	2.21	2.70	2.11	2.05	1.95	1.96
26	1.72	1.94	2.66	1.95	2.20	2.35	2.30	2.58	2.09	2.03	1.95	1.92
27	1.71	1.92	2.47	1.94	2.28	2.41	2.27	2.40	2.08	2.05	1.94	1.90
28	1.72	1.91	2.36	1.94	2.32	2.28	2.21	2.28	2.10	2.04	1.93	1.93
29	1.89	1.90	2.24	1.95	---	2.23	2.17	2.22	2.12	2.01	1.92	1.93
30	1.88	1.89	2.17	2.14	---	2.22	2.16	2.19	2.10	1.99	1.92	1.90
31	1.82	---	2.13	2.21	---	2.20	---	2.16	---	2.02	1.91	---
MEAN	1.71	2.06	2.18	2.01	2.24	2.56	---	2.48	2.31	2.28	2.06	1.90
MAX	1.89	2.96	3.34	2.24	2.82	4.38	---	4.06	3.03	4.24	2.46	2.10
MIN	1.62	1.75	1.87	1.94	2.02	2.13	---	2.16	2.08	1.99	1.91	1.83

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02191743 SOUTH FORK BROAD RIVER AT CARLTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 195
LATITUDE 340153 LONGITUDE 0830033 NAD27 DRAINAGE AREA 224.0* CONTRIBUTING DRAINAGE AREA DATUM 460.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.20	0.00	0.11	0.00	0.09	0.00	2.94	0.01	0.00
2	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.39	0.00	0.06	0.00	0.33
3	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.01	0.95	0.00	0.42	0.00
4	0.00	0.10	0.10	0.00	0.30	0.03	0.00	0.00	0.00	0.00	0.01	0.00
5	0.00	1.10	0.60	0.00	0.00	0.83	0.11	1.02	0.00	0.01	0.01	0.00
6	0.00	0.00	0.00	0.00	0.70	1.49	0.10	1.55	0.54	0.01	0.00	0.00
7	0.00	0.00	0.00	0.00	0.10	0.09	0.38	0.15	1.39	0.19	1.39	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	---	0.01	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.02	0.00
10	0.00	0.00	0.70	0.00	0.60	0.00	---	0.00	0.00	0.36	0.00	0.00
11	0.00	1.70	0.10	0.00	0.00	0.00	0.02	0.11	0.00	0.33	0.86	0.00
12	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.01	1.21	0.00
13	0.10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.67	0.80	0.03	0.00
14	0.20	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.25	0.09	0.01	0.05
15	1.10	0.00	0.00	0.00	0.00	0.67	0.00	0.88	0.00	0.00	0.00	0.00
16	0.10	1.30	0.00	0.20	1.10	0.00	0.00	0.01	0.01	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.10	0.43	0.33	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.04	0.56	0.02	0.34	1.30	0.04	0.00	0.00
19	0.00	0.00	0.30	0.00	0.04	0.69	0.00	0.00	0.05	0.15	0.00	0.40
20	0.60	0.00	0.20	0.00	0.00	0.94	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.20	0.09	0.01	0.59	0.92	0.00	0.11	0.00	0.02
22	0.00	0.00	0.00	0.00	1.05	0.00	0.01	2.05	0.00	0.12	0.00	1.14
23	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.02	0.00	0.30	0.00	0.01
24	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.10	0.00	0.10	0.00	0.00	0.00	0.38	0.03	0.00	0.01	0.00	0.00
26	0.00	0.00	0.00	0.00	0.26	0.33	0.01	0.03	0.00	0.07	0.00	0.00
27	0.00	0.00	0.00	0.00	0.40	0.01	0.00	0.00	0.00	0.01	0.00	0.01
28	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.13	0.01
29	0.60	0.00	0.00	0.50	---	0.00	0.00	0.04	0.00	0.00	0.01	0.00
30	0.00	0.00	0.00	0.80	---	0.12	0.00	0.00	0.10	0.00	0.00	0.00
31	0.00	---	0.60	0.00	---	0.00	---	0.00	---	0.71	0.00	---
TOTAL	3.30	5.00	5.80	2.00	4.78	6.35	---	7.65	6.26	6.32	4.11	1.97

SAVANNAH RIVER BASIN
2003 Water Year

02191930 BUFFALO CREEK NEAR LEXINGTON, GA

LOCATION.—Lat 33°46'40", long 83°03'01" referenced to North American Datum (NAD) of 1927, Oglethorpe County, Hydrologic Unit 03060104, at culvert on GA 22, 7.0 miles southeast of Lexington.

DRAINAGE AREA.—5.60 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK DISCHARGE RECORDS

PERIOD OF RECORD.—1964 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 518.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 9.47 feet, April 26, 1982
DISCHARGE: 1,650 cfs, April 26, 1982

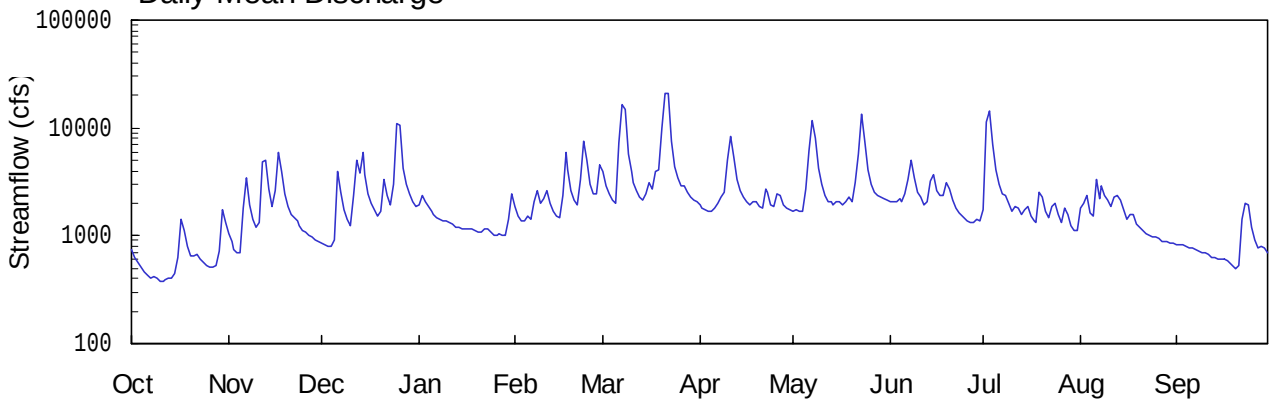
MAXIMUM FOR CURRENT YEAR.—
STAGE: 2.86 feet, May 6
DISCHARGE: 133 cfs, May 6

2003 Water Year

02192000 BROAD RIVER NEAR BELL, GA

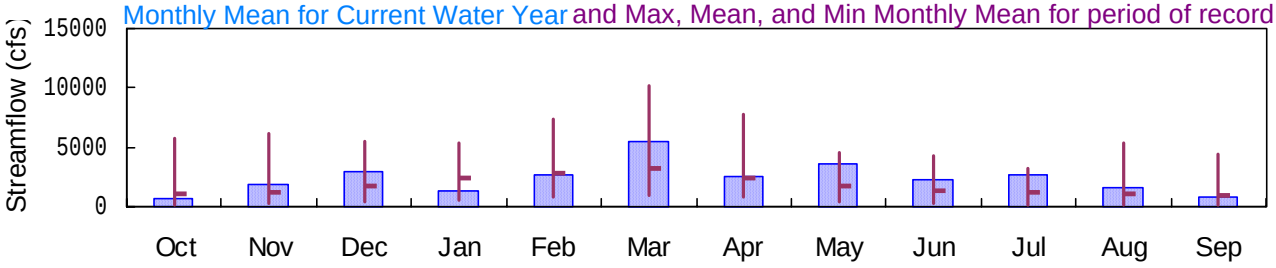
Latitude: 33°58'27" Longitude: 082°46'12" Hydrologic Unit Code: 03060104 Elbert County
Drainage Area: 1430. mi^2 Datum: 357.1 feet

Daily Mean Discharge

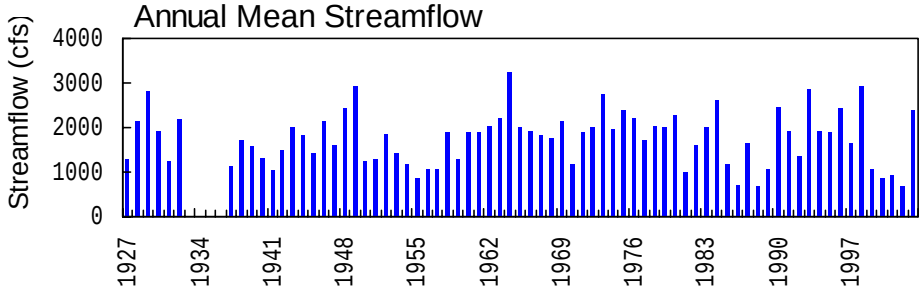


Monthly Statistics

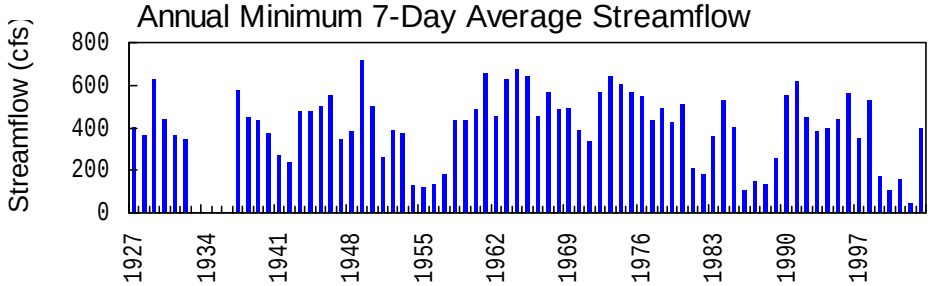
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



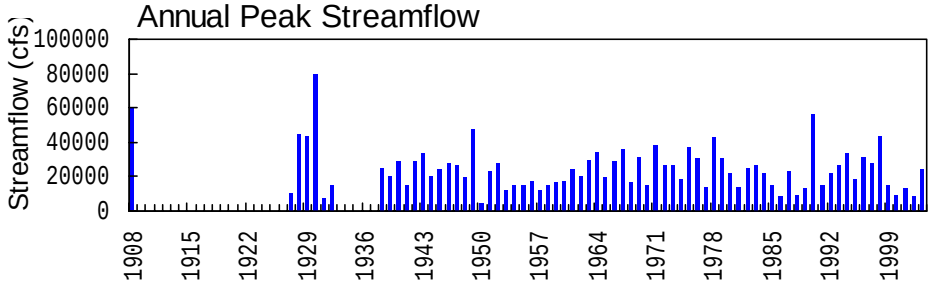
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



SAVANNAH RIVER BASIN
2003 Water Year

02192000 BROAD RIVER NEAR BELL, GA

LOCATION.—Lat 33°58'27", long 82°46'12" referenced to North American Datum (NAD) of 1983, Elbert-Wilkes County line, Hydrologic Unit 03060104, at downstream side of main channel pier of bridge on GA 17, 0.5 miles downstream from Long Creek, 1.0 mile south of Bells Crossroads, and 12.0 miles southeast of Elberton.

DRAINAGE AREA.—1,430 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1926 to September 1932, August 1937 to current year. Monthly discharge only for October 1926, August to September 1932, published in WSP 1303.

REVISED RECORDS.—WSP 1172: 1928-30. WSP 1383: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 357.16 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to October 1928, a non-recording gage was located at a railroad bridge about 1.0 mile downstream at datum 1.12 feet lower. From October 1928 to July 1932, and August 1937 to January 1939, a non-recording gage was located at present site and datum.

REMARKS.—Records good, except for the periods of missing record which and are fair.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 14,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/07	2230	18,200	19.95
03/21	2345	24,300*	22.95*
05/23	1530	14,500	17.77
07/03	0530	15,600	18.43

02192000 BROAD RIVER NEAR BELL, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1926 to September 1932, August 1937 to current year. Monthly discharge only for October 1926, August to September 1932, published in WSP 1303.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 357.16 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to October 1928, a non-recording gage was located at a railroad bridge about 1.0 mile downstream at datum 1.12 feet lower. From October 1928 to July 1932, and August 1937 to January 1939, a non-recording gage was located at present site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 22.95 feet, March 21, 22; minimum gage-height recorded, 3.50 feet, October 10, 11.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02192000 BROAD RIVER NEAR BELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 105
LATITUDE 335827 LONGITUDE 0824612 NAD83 DRAINAGE AREA 1430.00* CONTRIBUTING DRAINAGE AREA DATUM 357.19 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	742	1040	852	1940	1880	3890	1920	e1710	e2090	1730	1800	e826
2	635	868	815	2360	1540	2940	1820	e1750	e2090	11300	2000	e826
3	566	756	790	2060	1390	2470	1750	e1670	e2050	14600	2330	e821
4	508	696	788	1850	1390	2120	1710	e1710	e2200	6980	1610	e799
5	464	701	927	1680	1510	1970	1690	e2690	e2050	4070	1510	e781
6	434	1820	3990	1570	1410	7210	1820	6200	e2430	2970	3270	e767
7	407	3440	2540	1480	2050	16300	2000	11600	e3370	2450	2230	e745
8	417	1900	1720	1410	2660	15000	2290	8150	5020	2400	2910	e727
9	398	1420	1410	1380	2000	5820	2500	4280	3440	2010	2400	e704
10	382	1180	1220	1360	2230	3910	5000	2970	e2540	1710	2160	e695
11	377	1350	2360	1320	2660	3090	8330	2380	e2300	1840	1850	e664
12	384	4880	5040	1270	2020	2580	5310	e2090	e1900	1810	2290	e637
13	398	4940	3840	1210	1690	2310	3330	e2050	2070	1560	2390	e624
14	398	2700	5880	1180	1530	2150	2670	e1940	3180	1770	2130	e610
15	449	1870	3640	1170	1480	2470	2280	e2050	3700	1860	1740	e610
16	623	2580	2460	1150	2340	3060	2080	e2050	2590	1510	1450	e606
17	1420	5850	2000	1160	5980	2710	1940	e1900	2370	1350	1560	e592
18	1110	3960	1730	1170	4050	3950	2040	e2090	2380	1310	1600	e547
19	800	2410	1530	1120	2660	4100	2100	2270	3140	2540	1290	e520
20	655	1860	1710	1090	2170	9890	1880	e2090	2700	2270	1190	e502
21	650	1590	3350	1090	1930	20700	1830	e3140	2110	1660	e1110	e525
22	661	1490	2370	1150	3300	21100	2730	5810	1810	1480	e1060	e1410
23	612	1390	1950	1180	7460	7490	2570	13400	1640	1880	e1020	e1990
24	560	1230	3040	1090	5070	4310	1950	7590	1530	2000	e992	1900
25	522	1140	10900	1030	3060	3410	1860	4040	1440	1580	e974	1180
26	513	1080	10400	1020	2490	2930	2470	3040	1370	1320	e929	e899
27	519	1020	4230	1030	2490	2860	2400	2580	1320	1830	e889	e773
28	522	964	3040	1010	4450	2520	1950	e2390	1330	1570	e880	e791
29	731	908	2440	1010	---	2260	e1820	e2310	1440	1220	e880	e782
30	1760	876	2090	1410	---	2150	e1750	e2200	1390	1110	e853	e692
31	1330	---	1860	2430	---	2100	---	e2160	---	1120	e839	---
TOTAL	19947	57909	90912	42380	74890	169770	75790	112300	68990	84810	50136	24545
MEAN	643	1930	2933	1367	2675	5476	2526	3623	2300	2736	1617	818
MAX	1760	5850	10900	2430	7460	21100	8330	13400	5020	14600	3270	1990
MIN	377	696	788	1010	1390	1970	1690	1670	1320	1110	839	502
CFSM	0.45	1.35	2.05	0.96	1.87	3.83	1.77	2.53	1.61	1.91	1.13	0.57
IN.	0.52	1.51	2.36	1.10	1.95	4.42	1.97	2.92	1.79	2.21	1.30	0.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2003, BY WATER YEAR (WY)

MEAN	1083	1258	1789	2409	2840	3271	2426	1736	1364	1168	1059	874
MAX	5768	6158	5506	5373	7319	10130	7718	4496	4279	3171	5319	4472
(WY)	1930	1949	1984	1974	1998	1929	1964	1964	1967	1938	1928	1929
MIN	148	313	455	506	803	970	766	447	238	162	89.2	158
(WY)	1955	2002	1956	1956	1989	1988	1986	2001	1988	1986	2002	1954

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1927 - 2003	
ANNUAL TOTAL	390304		872379			
ANNUAL MEAN	1069		2390		1772	
HIGHEST ANNUAL MEAN					3261	1964
LOWEST ANNUAL MEAN					691	2002
HIGHEST DAILY MEAN	10900	Dec 25	21100	Mar 22	70600	Oct 2 1929
LOWEST DAILY MEAN	19	Sep 13	377	Oct 11	19	Sep 13 2002
ANNUAL SEVEN-DAY MINIMUM	41	Sep 8	393	Oct 8	41	Sep 8 2002
MAXIMUM PEAK FLOW			24300	Mar 21	79400	Oct 2 1929
MAXIMUM PEAK STAGE			22.95	Mar 21	34.80	Oct 2 1929
ANNUAL RUNOFF (CFSM)	0.75		1.67		1.24	
ANNUAL RUNOFF (INCHES)	10.15		22.69		16.84	
10 PERCENT EXCEEDS	2390		4080		3100	
50 PERCENT EXCEEDS	720		1850		1130	
90 PERCENT EXCEEDS	119		694		480	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02192000 BROAD RIVER NEAR BELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 105
LATITUDE 335827 LONGITUDE 0824612 NAD83 DRAINAGE AREA 1430.00* CONTRIBUTING DRAINAGE AREA DATUM 357.19 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

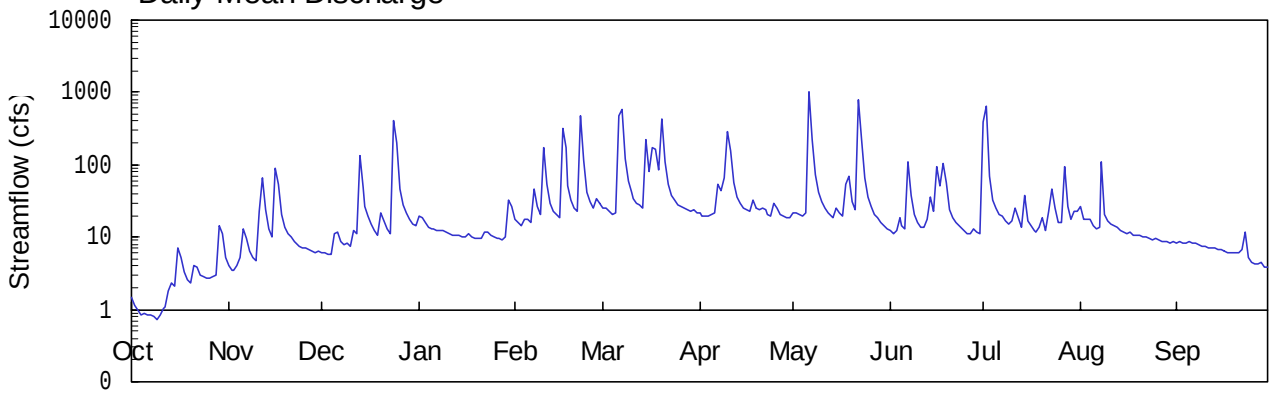
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.30	4.88	4.70	6.49	6.40	8.92	6.46	---	---	5.79	6.22	---
2	4.08	4.55	4.63	7.07	5.90	7.81	6.32	---	---	15.48	6.53	---
3	3.94	4.33	4.58	6.65	5.65	7.20	6.22	---	---	17.82	6.97	---
4	3.81	4.21	4.58	6.36	5.65	6.74	6.15	---	---	11.98	5.96	---
5	3.71	4.22	4.84	6.11	5.84	6.53	6.13	---	---	9.12	5.80	---
6	3.64	5.97	9.02	5.94	5.69	11.78	6.32	11.19	---	7.81	8.18	---
7	3.57	8.27	7.28	5.80	6.63	18.86	6.58	15.88	---	7.14	6.85	---
8	3.60	6.24	6.17	5.68	7.45	18.01	6.97	13.13	10.09	7.08	7.74	---
9	3.55	5.51	5.69	5.64	6.58	10.95	7.25	9.36	8.20	6.55	7.07	---
10	3.51	5.12	5.37	5.61	6.89	8.95	10.04	7.84	---	6.11	6.75	---
11	3.50	5.38	6.90	5.54	7.45	7.99	13.33	7.08	---	6.30	6.32	---
12	3.52	9.90	10.18	5.45	6.60	7.35	10.45	---	---	6.27	6.90	---
13	3.55	10.01	8.85	5.35	6.13	6.99	8.28	---	6.36	5.88	7.06	---
14	3.55	7.38	11.05	5.30	5.88	6.78	7.46	---	7.89	6.20	6.71	---
15	3.67	6.26	8.63	5.28	5.80	7.20	6.96	---	8.54	6.33	6.15	---
16	4.05	7.19	7.19	5.24	6.94	7.96	6.68	---	7.10	5.81	5.70	---
17	5.50	11.02	6.58	5.27	11.16	7.51	6.49	---	6.80	5.54	5.87	---
18	4.99	8.96	6.18	5.29	9.10	9.00	6.62	---	6.81	5.47	5.94	---
19	4.42	7.10	5.89	5.19	7.45	9.17	6.71	6.94	7.84	7.25	5.44	---
20	4.13	6.37	6.14	5.15	6.80	14.24	6.40	---	7.24	6.91	5.27	---
21	4.12	5.98	8.29	5.14	6.48	21.15	6.33	---	6.42	6.03	---	---
22	4.14	5.82	7.08	5.25	8.14	21.36	7.52	10.71	5.97	5.75	---	---
23	4.04	5.66	6.50	5.29	12.57	12.36	7.33	17.08	5.71	6.36	---	---
24	3.92	5.38	7.74	5.14	10.19	9.41	6.51	12.50	5.53	6.54	---	6.38
25	3.84	5.23	15.28	5.02	7.95	8.38	6.38	8.95	5.39	5.91	---	5.26
26	3.82	5.12	14.91	5.02	7.23	7.79	7.21	7.71	5.27	5.49	---	---
27	3.83	5.02	9.30	5.04	7.23	7.70	7.11	7.08	5.18	6.26	---	---
28	3.84	4.91	7.93	5.00	9.53	7.28	6.50	---	5.21	5.89	---	---
29	4.26	4.81	7.17	4.99	---	6.93	---	---	5.40	5.33	---	---
30	6.03	4.75	6.70	5.67	---	6.79	---	---	5.31	5.13	---	---
31	5.35	---	6.38	7.15	---	6.72	---	---	---	5.14	---	---
MEAN	4.06	6.18	7.48	5.58	7.33	9.86	---	---	---	7.12	---	---
MAX	6.03	11.02	15.28	7.15	12.57	21.36	---	---	---	17.82	---	---
MIN	3.50	4.21	4.58	4.99	5.65	6.53	---	---	---	5.13	---	---

2003 Water Year

02193340 KETTLE CREEK NEAR WASHINGTON, GA

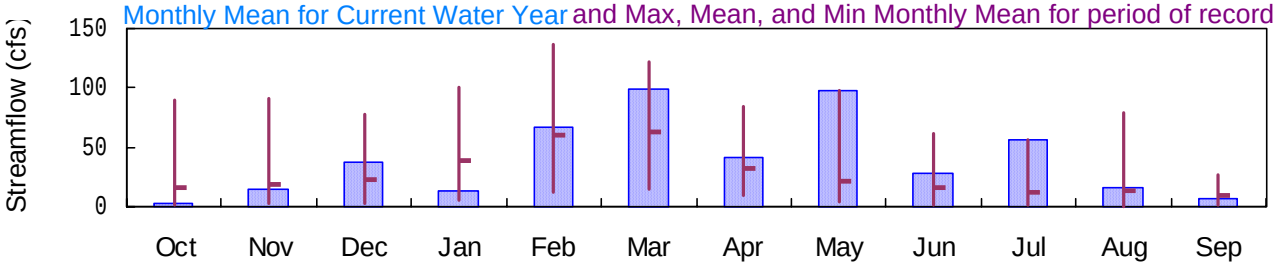
Latitude: 33°40'57" Longitude: 082°51'29" Hydrologic Unit Code: 03060105 Wilkes County
Drainage Area: 33.8 mi² Datum: 416.0 feet

Daily Mean Discharge

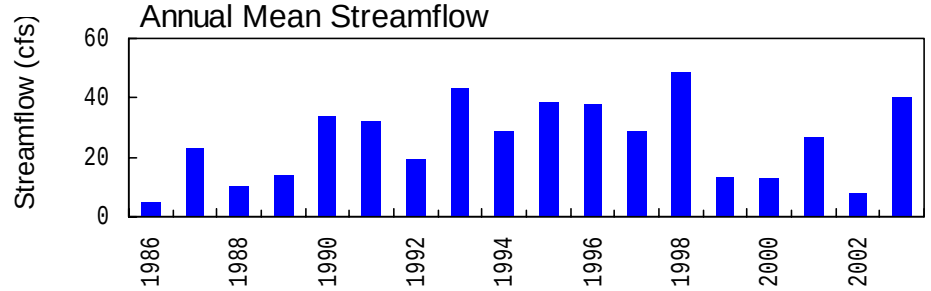


Monthly Statistics

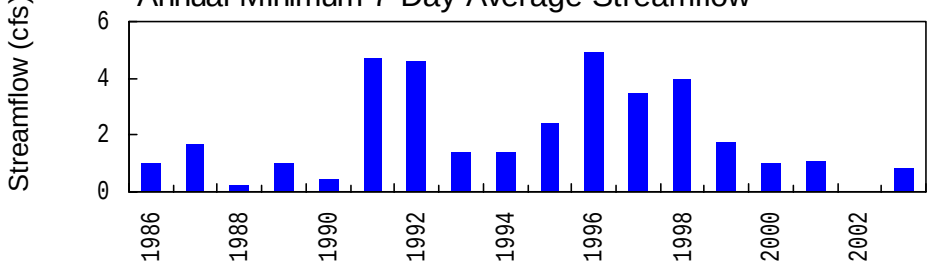
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



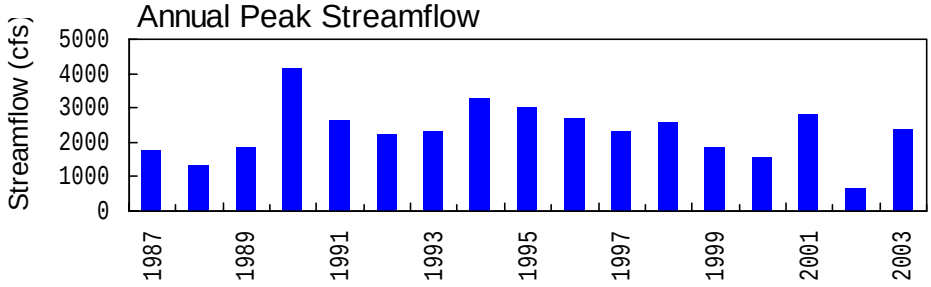
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

02193340 KETTLE CREEK NEAR WASHINGTON, GA

LOCATION.—Lat 33°40'57", long 82°51'29" referenced to North American Datum (NAD) of 1927, Wilkes County, Hydrologic Unit 03060105, on right bank, 300.0 feet upstream from County Road 68, 1.3 miles upstream from Little Kettle Creek, and 7.8 miles southwest of Washington.

DRAINAGE AREA.—33.9 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1986 to current year.

GAGE.—Water-stage recorder. Datum of gage is 416.06 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good, except those less than 0.2 cfs, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 600 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
12/24	1315	1,610	10.60
02/16	1415	1,210	9.43
02/22	1230	1,760	11.03
03/06	1145	1,420	10.06
03/07	1000	1,450	10.15
03/20	0830	1,080	8.99
05/06	0500	2,330	12.81
05/06	1845	1,910	11.53
05/22	1715	2,370*	12.93*
07/02	0230	2,160	12.31

02193340 KETTLE CREEK NEAR WASHINGTON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1986 to current year.

GAGE.—Water-stage recorder. Datum of gage is 416.06 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.93 feet, May 22; minimum gage-height recorded, 3.05 feet, October 8-10.

EXTREMES FOR 2002 WATER YEAR (REVISED).—Maximum gage-height recorded, 7.55 feet, March 30; minimum gage-height recorded, 2.94 feet, August 14-17, September 13, 14.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02193340 KETTLE CREEK NEAR WASHINGTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 317
LATITUDE 334057 LONGITUDE 0825129 NAD27 DRAINAGE AREA 33.88 CONTRIBUTING DRAINAGE AREA 33.88* DATUM 416.06 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	4.0	6.0	19	18	25	22	21	12	394	26	8.1
2	1.2	3.5	6.0	19	16	26	20	22	11	642	18	8.6
3	0.99	3.5	5.9	16	15	22	20	20	12	68	18	8.4
4	0.86	4.0	5.8	14	18	21	20	19	19	33	17	8.3
5	0.87	5.3	11	13	17	21	20	21	15	25	15	8.6
6	0.84	13	12	13	16	489	21	1030	13	20	13	8.3
7	0.84	9.7	8.5	12	47	577	53	221	109	20	14	8.1
8	0.79	6.3	7.9	12	26	122	45	72	38	17	108	7.8
9	0.72	5.2	8.2	12	20	60	67	41	21	16	21	7.5
10	0.82	4.8	7.5	12	175	42	286	30	16	16	17	7.4
11	1.0	23	12	11	53	34	156	25	14	25	15	7.2
12	1.1	65	11	11	30	30	58	22	14	18	14	7.0
13	1.8	24	131	11	22	28	36	20	18	14	14	6.9
14	2.4	13	48	11	20	26	30	18	36	38	13	6.8
15	2.1	10	26	10	19	217	26	25	23	17	12	6.8
16	6.9	91	19	10	322	80	24	21	95	14	11	6.4
17	5.2	53	15	11	177	172	22	20	50	12	12	6.0
18	3.3	20	13	10	52	167	33	55	107	11	11	6.0
19	2.6	14	11	9.7	32	86	25	71	58	14	11	6.0
20	2.3	11	22	9.5	26	430	24	30	24	18	11	6.0
21	4.1	9.9	17	9.4	23	112	25	24	18	12	10	6.0
22	3.9	8.9	13	12	468	54	24	786	16	23	9.8	6.7
23	3.1	7.8	11	12	115	39	21	218	14	47	9.5	12
24	2.8	7.6	404	11	42	32	20	66	13	25	9.3	5.3
25	2.7	7.2	200	10	30	28	30	35	12	16	9.6	4.5
26	2.7	6.9	47	9.7	25	26	25	26	11	16	9.2	4.4
27	2.9	6.7	28	9.5	34	25	21	21	11	94	8.9	4.3
28	2.9	6.3	22	9.2	30	23	20	19	13	27	8.7	4.5
29	14	6.2	18	10	---	23	19	16	12	17	8.6	3.8
30	11	6.3	15	32	---	24	18	14	11	22	8.3	3.9
31	5.2	---	14	27	---	22	---	13	---	23	8.5	---
TOTAL	93.43	457.1	1175.8	398.0	1888	3083	1231	3042	836	1754	491.4	201.6
MEAN	3.01	15.2	37.9	12.8	67.4	99.5	41.0	98.1	27.9	56.6	15.9	6.72
MAX	14	91	404	32	468	577	286	1030	109	642	108	12
MIN	0.72	3.5	5.8	9.2	15	21	18	13	11	11	8.3	3.8
CFSM	0.09	0.45	1.12	0.38	1.99	2.94	1.21	2.90	0.82	1.67	0.47	0.20
IN.	0.10	0.50	1.29	0.44	2.07	3.39	1.35	3.34	0.92	1.93	0.54	0.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2003, BY WATER YEAR (WY)

MEAN	16.5	18.8	23.0	38.2	59.6	63.4	31.7	20.8	16.6	12.3	13.4	9.42
MAX	89.7	91.5	78.3	101	137	122	84.5	98.1	61.2	56.6	78.7	27.1
(WY)	1990	1993	1998	1993	1995	2001	1998	2003	2001	2003	1994	2000
MIN	1.33	2.24	2.67	5.44	12.0	15.2	8.98	3.49	1.50	1.15	0.30	1.52
(WY)	2002	2002	2002	2002	1989	1988	2000	2000	2000	2000	2002	2001

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1986 - 2003	
ANNUAL TOTAL	4443.03		14651.33			
ANNUAL MEAN	12.2		40.1		27.1	
HIGHEST ANNUAL MEAN					49.0	1998
LOWEST ANNUAL MEAN					7.97	2002
HIGHEST DAILY MEAN	404	Dec 24	1030	May 6	2170	Oct 1 1989
LOWEST DAILY MEAN	0.02	Aug 14	0.72	Oct 9	0.02	Aug 14 2002
ANNUAL SEVEN-DAY MINIMUM	0.03	Aug 10	0.82	Oct 4	0.03	Aug 10 2002
MAXIMUM PEAK FLOW			2370	May 22	4150	Oct 1 1989
MAXIMUM PEAK STAGE			12.93	May 22	17.68	Oct 1 1989
ANNUAL RUNOFF (CFSM)	0.36		1.18		0.80	
ANNUAL RUNOFF (INCHES)	4.88		16.09		10.86	
10 PERCENT EXCEEDS	21		66		46	
50 PERCENT EXCEEDS	5.1		16		11	
90 PERCENT EXCEEDS	0.41		4.7		2.2	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02193340 KETTLE CREEK NEAR WASHINGTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 317
LATITUDE 334057 LONGITUDE 0825129 NAD27 DRAINAGE AREA 33.88 CONTRIBUTING DRAINAGE AREA 33.88* DATUM 416.06 NGVD29

APPROVED

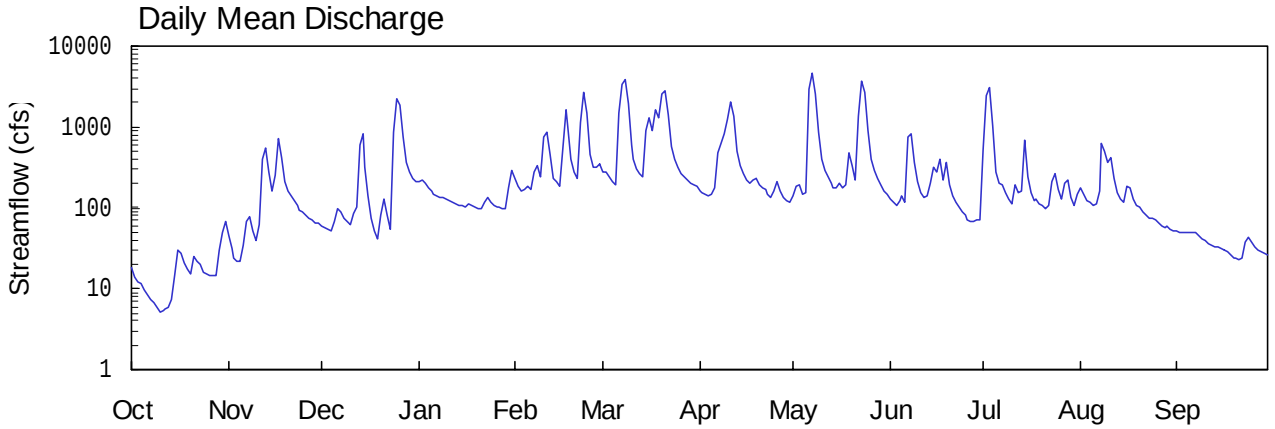
Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

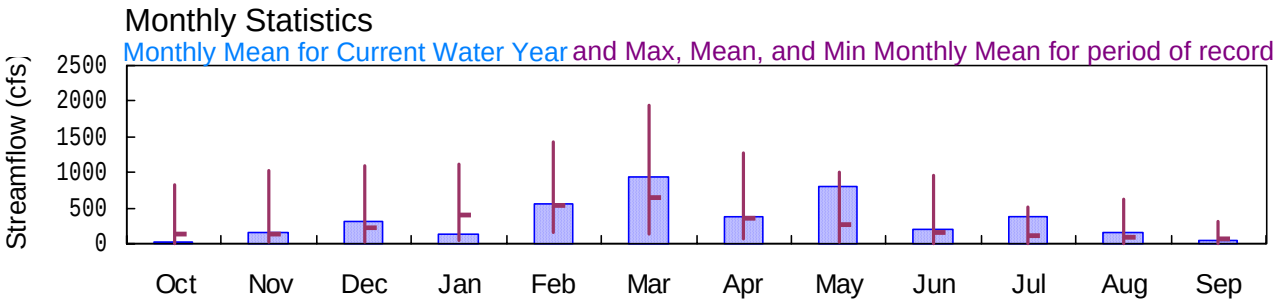
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.13	3.25	3.32	3.52	3.49	3.63	3.50	3.49	3.35	5.39	3.63	3.24
2	3.10	3.23	3.32	3.51	3.44	3.64	3.47	3.50	3.33	6.96	3.47	3.25
3	3.09	3.23	3.32	3.45	3.43	3.58	3.47	3.48	3.35	4.16	3.46	3.25
4	3.07	3.25	3.31	3.41	3.48	3.54	3.47	3.46	3.49	3.74	3.46	3.25
5	3.07	3.30	3.45	3.39	3.48	3.56	3.48	3.49	3.40	3.60	3.40	3.26
6	3.06	3.51	3.47	3.38	3.46	6.43	3.50	8.53	3.36	3.52	3.37	3.25
7	3.06	3.42	3.39	3.37	3.94	6.98	3.94	5.29	4.42	3.51	3.38	3.24
8	3.06	3.33	3.37	3.37	3.65	4.62	3.86	4.18	3.81	3.45	4.38	3.23
9	3.05	3.29	3.38	3.37	3.54	4.05	4.13	3.83	3.53	3.42	3.53	3.22
10	3.06	3.28	3.36	3.36	4.93	3.82	5.60	3.68	3.42	3.44	3.46	3.22
11	3.08	3.62	3.49	3.34	4.02	3.71	4.86	3.59	3.39	3.61	3.42	3.21
12	3.09	4.21	3.46	3.33	3.71	3.65	4.02	3.54	3.39	3.48	3.40	3.21
13	3.13	3.72	4.58	3.33	3.58	3.62	3.75	3.51	3.46	3.39	3.39	3.21
14	3.16	3.51	4.06	3.33	3.54	3.57	3.65	3.48	3.77	3.78	3.36	3.20
15	3.15	3.44	3.77	3.32	3.51	5.10	3.58	3.60	3.56	3.46	3.33	3.20
16	3.34	4.31	3.64	3.32	5.41	4.25	3.55	3.54	4.13	3.39	3.33	3.19
17	3.29	4.11	3.56	3.34	5.03	4.82	3.51	3.51	3.95	3.35	3.34	3.18
18	3.22	3.66	3.50	3.32	4.01	4.97	3.70	3.96	4.33	3.33	3.32	3.18
19	3.18	3.52	3.46	3.31	3.74	4.32	3.57	4.17	4.04	3.37	3.31	3.18
20	3.16	3.47	3.67	3.30	3.64	6.28	3.55	3.70	3.59	3.48	3.31	3.18
21	3.25	3.43	3.59	3.30	3.58	4.54	3.57	3.59	3.48	3.35	3.30	3.18
22	3.25	3.40	3.51	3.36	6.05	3.98	3.54	7.38	3.43	3.55	3.29	3.20
23	3.20	3.37	3.47	3.35	4.59	3.78	3.49	5.30	3.39	3.89	3.28	3.35
24	3.19	3.36	5.73	3.34	3.89	3.69	3.47	4.14	3.37	3.61	3.28	3.23
25	3.18	3.35	5.17	3.32	3.71	3.62	3.64	3.78	3.34	3.43	3.28	3.21
26	3.19	3.34	3.95	3.31	3.63	3.58	3.56	3.63	3.33	3.42	3.27	3.20
27	3.20	3.34	3.69	3.30	3.77	3.57	3.49	3.52	3.32	4.23	3.26	3.20
28	3.20	3.33	3.57	3.29	3.71	3.53	3.47	3.49	3.36	3.64	3.26	3.21
29	3.52	3.33	3.50	3.32	---	3.52	3.45	3.43	3.34	3.46	3.26	3.18
30	3.46	3.33	3.44	3.73	---	3.55	3.44	3.40	3.33	3.53	3.25	3.19
31	3.29	---	3.42	3.65	---	3.51	---	3.37	---	3.56	3.25	---
MEAN	3.18	3.47	3.67	3.38	3.93	4.16	3.71	4.02	3.56	3.73	3.39	3.22
MAX	3.52	4.31	5.73	3.73	6.05	6.98	5.60	8.53	4.42	6.96	4.38	3.35
MIN	3.05	3.23	3.31	3.29	3.43	3.51	3.44	3.37	3.32	3.33	3.25	3.18

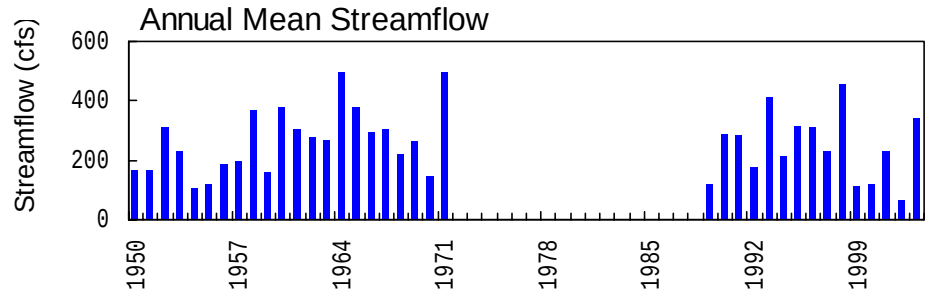
2003 Water Year

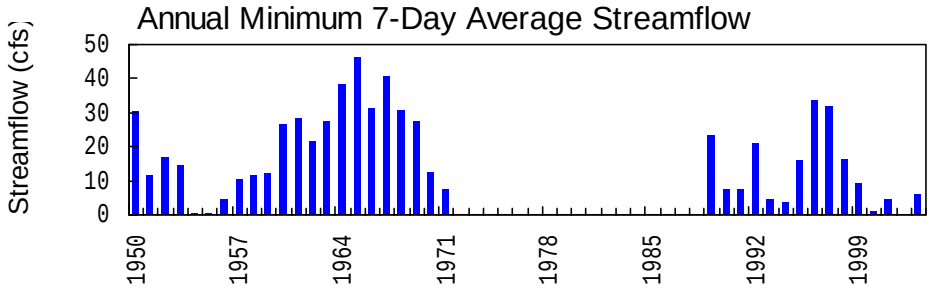
02193500 LITTLE RIVER NEAR WASHINGTON, GA

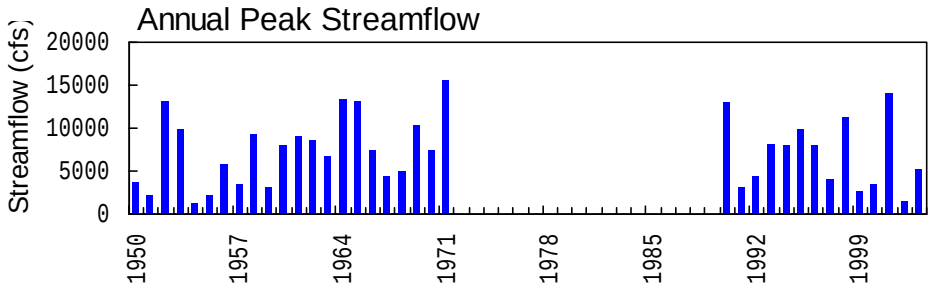
Latitude: 33°36'46" Longitude: 082°44'33" Hydrologic Unit Code: 03060105 Wilkes County
Drainage Area: 292 mi² Datum: 353.8 feet











SAVANNAH RIVER BASIN
2003 Water Year

02193500 LITTLE RIVER NEAR WASHINGTON, GA

LOCATION.—Lat 33°36'46", long 82°44'33" referenced to North American Datum (NAD) of 1983, Wilkes-Taliaferro County line, Hydrologic Unit 03060105, on left bank on downstream side of county bridge pier, 700.00 feet downstream from Reedy Creek, 4.0 miles downstream from Georgia Railway bridge, 6.0 miles upstream from Williams Creek, and 9 miles south of Washington.

DRAINAGE AREA.—291 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1949 to June 1971, May 1989 to current year.

REVISED RECORDS.—WSP 1383: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 353.88 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by global positioning system equipment). From October 1, 1949 to June 23, 1971, a recording gage was located at the same site and approximately the same datum.

REMARKS.—Records good, except for period of estimated discharge, which are fair.

PEAK DISCHARGES FOR CURRENT PERIOD.—Peak discharges greater than base discharge of 3,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/03	0145	4,650	19.85
03/21	0300	3,370	17.82
05/07	0600	5,250*	20.62*
05/23	1200	4,200	19.22
07/03	0115	3,410	17.92

02193500 LITTLE RIVER NEAR WASHINGTON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1949 to June 1971, May 1989 to current year.

REVISED RECORDS.—WSP 1383: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 353.88 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by global positioning system equipment). From October 1, 1949 to June 23, 1971, a recording gage was located at the same site and approximately the same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 20.62 feet, May 7; minimum gage-height recorded, 3.48 feet, October 9-11.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 25, 1993 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02193500 LITTLE RIVER NEAR WASHINGTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 317
LATITUDE 333646 LONGITUDE 0824433 NAD83 DRAINAGE AREA 292 CONTRIBUTING DRAINAGE AREA 292* DATUM 353.88 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	45	61	210	237	282	165	140	129	515	176	51
2	14	31	56	226	183	276	155	180	115	2460	146	49
3	12	24	54	203	157	242	149	196	109	3030	122	49
4	12	22	53	176	165	208	143	148	122	1020	117	49
5	9.8	22	68	159	188	196	146	151	138	281	106	49
6	8.3	34	96	150	167	1510	175	2960	119	205	110	49
7	7.3	68	91	139	280	3430	488	4650	763	195	159	49
8	e6.8	79	75	134	336	3900	632	2600	821	154	625	e46
9	e5.8	52	67	132	e246	1940	807	882	367	127	497	e41
10	5.1	39	63	130	e754	603	1250	396	208	114	367	39
11	5.3	63	86	123	e869	394	2030	292	157	192	416	36
12	5.5	402	104	115	e466	310	1330	242	136	152	236	34
13	5.9	546	589	111	e227	269	500	201	139	160	155	33
14	7.2	272	808	108	208	242	332	174	204	692	131	33
15	15	158	316	107	185	922	262	175	322	240	119	32
16	31	252	140	104	549	1320	224	201	276	151	184	30
17	28	718	76	110	1600	915	198	176	391	120	176	28
18	21	419	51	109	1060	1610	220	196	217	127	127	26
19	17	215	42	103	394	1300	231	479	370	112	108	24
20	15	164	81	99	279	2620	195	326	190	109	100	24
21	25	140	126	99	234	2840	180	225	137	98	91	23
22	22	124	80	119	1140	1400	170	1340	117	105	82	24
23	20	108	55	136	2640	573	150	3730	102	212	76	38
24	16	95	853	117	1480	404	136	2720	91	262	73	44
25	15	88	2200	106	455	317	165	894	80	168	70	39
26	15	81	1880	104	313	266	209	392	71	127	66	32
27	15	75	749	102	323	238	164	285	67	206	59	30
28	15	70	358	97	352	217	136	230	67	220	56	29
29	30	65	276	97	---	199	125	191	71	133	59	28
30	49	64	233	176	---	195	115	165	71	107	54	26
31	67	---	207	296	---	187	---	145	---	150	52	---
TOTAL	539.0	4535	9994	4197	15487	29325	11182	25082	6167	11944	4915	1084
MEAN	17.4	151	322	135	553	946	373	809	206	385	159	36.1
MAX	67	718	2200	296	2640	3900	2030	4650	821	3030	625	51
MIN	5.1	22	42	97	157	187	115	140	67	98	52	23
CFSM	0.06	0.52	1.10	0.46	1.89	3.24	1.28	2.77	0.70	1.32	0.54	0.12
IN.	0.07	0.58	1.27	0.53	1.97	3.74	1.42	3.20	0.79	1.52	0.63	0.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2003, BY WATER YEAR (WY)

MEAN	139	135	230	394	538	638	368	263	151	104	85.5	69.0
MAX	834	1037	1096	1123	1419	1939	1273	997	951	514	616	305
(WY)	1990	1993	1965	1960	1995	1952	1961	1964	2001	1967	1994	2000
MIN	0.44	12.5	24.7	47.8	150	129	69.8	21.4	5.50	2.85	10.7	1.72
(WY)	1955	2002	2002	1956	1950	1955	2000	2000	2000	2000	1954	1954

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1950 - 2003	
ANNUAL TOTAL	37683.21		124451.0			
ANNUAL MEAN	103		341		255	
HIGHEST ANNUAL MEAN					500	1964
LOWEST ANNUAL MEAN					65.4	2002
HIGHEST DAILY MEAN	2200	Dec 25	4650	May 7	13400	Mar 3 1971
LOWEST DAILY MEAN	0.12	Aug 14	5.1	Oct 10	0.12	Aug 14 2002
ANNUAL SEVEN-DAY MINIMUM	0.19	Aug 9	5.9	Oct 8	0.19	Aug 9 2002
MAXIMUM PEAK FLOW			5250	May 7	15500	Mar 3 1971
MAXIMUM PEAK STAGE			20.62	May 7	28.38	Jun 13 2001
INSTANTANEOUS LOW FLOW			5.1	Oct 10	0.10	Aug 9 2002
ANNUAL RUNOFF (CFSM)	0.35		1.17		0.87	
ANNUAL RUNOFF (INCHES)	4.80		15.85		11.85	
10 PERCENT EXCEEDS	210		813		495	
50 PERCENT EXCEEDS	40		146		96	
90 PERCENT EXCEEDS	2.5		28		23	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02193500 LITTLE RIVER NEAR WASHINGTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 317
LATITUDE 333646 LONGITUDE 0824433 NAD83 DRAINAGE AREA 292 CONTRIBUTING DRAINAGE AREA 292* DATUM 353.88 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.87	4.42	4.64	6.14	6.31	6.58	5.82	5.58	5.52	7.47	5.90	4.69
2	3.77	4.18	4.57	6.25	5.95	6.55	5.74	5.93	5.40	15.01	5.67	4.67
3	3.72	4.03	4.55	6.10	5.76	6.34	5.69	6.05	5.34	16.86	5.46	4.66
4	3.70	3.99	4.53	5.90	5.82	6.13	5.64	5.69	5.46	9.80	5.41	4.66
5	3.64	3.99	4.72	5.78	5.99	6.04	5.67	5.64	5.60	6.58	5.31	4.66
6	3.60	4.23	5.02	5.70	5.84	11.55	5.89	16.24	5.43	6.11	5.34	4.66
7	3.56	4.72	4.96	5.61	6.55	17.68	7.57	19.80	8.78	6.04	5.68	4.66
8	---	4.84	4.80	5.57	6.88	18.64	8.36	15.51	9.18	5.73	8.31	---
9	---	4.52	4.71	5.55	---	13.28	9.18	9.38	7.04	5.50	7.72	---
10	3.48	4.33	4.67	5.53	---	8.22	10.80	7.20	6.13	5.39	7.03	4.51
11	3.49	4.62	4.91	5.46	---	7.19	13.60	6.64	5.75	6.01	7.30	4.45
12	3.50	7.14	5.10	5.40	---	6.74	11.21	6.35	5.59	5.72	6.29	4.41
13	3.51	7.98	7.88	5.36	---	6.51	7.72	6.08	5.61	5.69	5.74	4.39
14	3.56	6.51	9.24	5.33	6.13	6.35	6.86	5.89	6.08	8.57	5.54	4.38
15	3.78	5.65	7.10	5.32	5.97	9.41	6.47	5.90	6.80	6.32	5.43	4.37
16	4.17	6.22	6.20	5.29	7.74	11.18	6.24	6.08	6.51	5.70	5.84	4.34
17	4.12	8.77	5.83	5.35	12.18	9.54	6.06	5.90	7.15	5.44	5.89	4.29
18	3.96	7.34	5.59	5.33	10.14	12.20	6.20	6.03	6.17	5.50	5.50	4.24
19	3.85	6.12	5.45	5.28	7.18	11.12	6.28	7.62	7.05	5.37	5.33	4.20
20	3.80	5.70	5.91	5.24	6.57	15.57	6.04	6.82	6.00	5.34	5.26	4.19
21	4.05	5.48	6.35	5.25	6.30	16.26	5.93	6.24	5.60	5.23	5.17	4.17
22	3.99	5.31	5.93	5.43	10.03	11.47	5.86	10.78	5.41	5.30	5.08	4.19
23	3.93	5.14	5.64	5.59	15.65	8.08	5.70	18.40	5.28	6.11	5.01	4.49
24	3.82	5.00	9.07	5.41	11.70	7.24	5.59	15.89	5.17	6.46	4.99	4.59
25	3.80	4.94	14.17	5.31	7.49	6.77	5.81	9.43	5.05	5.84	4.95	4.49
26	3.79	4.86	13.09	5.29	6.75	6.49	6.13	7.18	4.97	5.50	4.89	4.38
27	3.79	4.80	8.82	5.27	6.81	6.32	5.81	6.60	4.91	6.04	4.81	4.33
28	3.79	4.74	7.00	5.23	6.96	6.19	5.59	6.28	4.91	6.19	4.77	4.31
29	4.15	4.69	6.55	5.23	---	6.07	5.48	6.01	4.96	5.55	4.80	4.28
30	4.48	4.68	6.29	5.87	---	6.04	5.40	5.82	4.96	5.32	4.74	4.24
31	4.71	---	6.12	6.66	---	5.98	---	5.66	---	5.70	4.72	---
MEAN	---	5.30	6.43	5.55	---	9.15	6.81	8.34	5.93	6.69	5.61	---
MAX	---	8.77	14.17	6.66	---	18.64	13.60	19.80	9.18	16.86	8.31	---
MIN	---	3.99	4.53	5.23	---	5.98	5.40	5.58	4.91	5.23	4.72	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02193500 LITTLE RIVER NEAR WASHINGTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 317
LATITUDE 333646 LONGITUDE 0824433 NAD83 DRAINAGE AREA 292 CONTRIBUTING DRAINAGE AREA 292* DATUM 353.88 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.10	0.00	0.15	0.00	0.74	0.00	0.64	0.02	0.00
2	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.85	0.00	0.05	0.00	0.11
3	0.00	0.08	0.00	0.01	0.00	0.00	0.00	0.00	0.11	0.00	0.07	0.00
4	0.00	0.10	0.07	0.00	0.38	0.02	0.00	0.00	0.02	0.00	0.00	0.23
5	0.00	0.32	0.41	0.00	0.00	0.05	0.36	1.25	0.00	0.00	0.00	0.05
6	0.00	0.31	0.00	0.00	0.33	2.33	0.59	0.62	0.42	0.00	0.09	0.01
7	0.00	0.00	0.00	0.00	0.08	0.98	0.96	0.04	1.26	0.09	0.04	0.05
8	---	0.00	0.00	0.00	0.00	0.01	0.59	0.02	0.00	0.00	0.05	---
9	---	0.00	0.00	0.00	---	0.00	0.23	0.00	0.00	0.00	0.01	---
10	0.00	0.01	0.38	0.00	---	0.00	1.02	0.01	0.00	0.19	0.07	0.00
11	0.01	0.70	0.04	0.00	---	0.00	0.01	0.00	0.00	0.01	0.02	0.00
12	0.00	1.34	0.00	0.00	---	0.00	0.00	0.00	0.07	0.00	0.01	0.00
13	0.37	0.02	1.17	0.00	---	0.00	0.00	0.00	0.17	0.20	0.00	0.00
14	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.21	0.03	0.00	0.00
15	0.67	0.02	0.00	0.00	0.00	1.19	0.00	0.00	0.00	0.00	0.00	0.00
16	0.04	0.99	0.00	0.19	1.22	0.01	0.00	0.01	0.04	0.00	0.27	0.00
17	0.00	0.08	0.00	0.01	0.00	0.70	0.08	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.09	0.27	0.00	0.17	0.01	0.03	0.00
19	0.00	0.00	0.23	0.00	0.00	1.02	0.00	0.00	0.00	0.24	0.00	0.00
20	0.85	0.00	0.21	0.00	0.00	1.32	0.00	0.00	0.00	0.00	0.00	0.00
21	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.11	0.00	0.00
22	0.00	0.00	0.00	0.40	1.47	0.00	0.00	0.23	0.00	0.15	0.00	0.26
23	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.10	0.00	0.12	0.00	0.03
24	0.02	0.00	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.04	0.00	0.12	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00
26	0.01	0.00	0.00	0.00	0.09	0.00	0.02	0.00	0.00	0.10	0.00	0.00
27	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.09	0.00	0.00
28	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.01
29	0.49	0.00	0.00	0.35	---	0.00	0.00	0.00	0.00	0.06	0.00	0.00
30	0.00	0.00	0.00	0.37	---	0.25	0.00	0.00	0.40	0.00	0.00	0.00
31	0.00	---	0.14	0.00	---	0.00	---	0.00	---	0.08	0.00	---
TOTAL	---	3.97	4.36	1.43	---	8.17	4.64	3.88	3.00	2.17	0.68	---

SAVANNAH RIVER BASIN
2003 Water Year

02194500 CLARKS HILL LAKE NEAR CLARKS HILL, SC

LOCATION.—Lat 33°39'40", long 82°12'00" referenced to North American Datum (NGVD) of 1927, Columbia County, GA-McCormick County, SC, Hydrologic Unit 03060103, in left spillway elevator tower of dam on Savannah River, 1.6 miles west of Clarks Hill, SC, 3.7 miles upstream from Kiokee Creek, and at mile 237.7.

REMARKS.—Water levels and lake contents are collected by the U.S. Army Corps of Engineers, Savannah District. Please see the following Internet location for more information:

http://www.sas.usace.army.mil/hydrodat.htm

SAVANNAH RIVER BASIN
2003 Water Year

02195150 KIOKEE CREEK AT US 221, AT APPLING, GA

LOCATION.—Lat 33°32'33", long 82°18'56" referenced to North American Datum (NAD) of 1927, Columbia County, Hydrologic Unit 03060106, at US 221, at Appling.

DRAINAGE AREA.—43.9 square miles

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—December 7, 1983 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 225.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest stage gage is a device that will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.--
STAGE: 15.53 feet, October 12, 1990
DISCHARGE: 11,500 cfs, October 12, 1990

MAXIMUM FOR CURRENT YEAR.--
STAGE: 11.11 feet, March 6
DISCHARGE: 2,130 cfs, March 6

02196820 BUTLER CREEK AT US 78, AT FORT GORDON, GA

LOCATION.—Lat 33° 26' 35", long 82° 07' 45" referenced to North American Datum (NAD) of 1927, Richmond County, Hydrologic Unit 03060106, 600.00 feet upstream of US 78/278, 0.30 miles downstream of Polar Bridge Creek.

DRAINAGE AREA.—7.50 square miles.

COOPERATION.—U.S. Army, Fort Gordon.

MISCELLANEOUS MEASUREMENTS

PERIOD OF RECORD.—October 1968 to January 1991. February 10, 1999 to current year.

GAGE.—Standard USGS reference mark. Datum of gage is 270.58 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). From October 1968 to January 1991, was operated as a continuous gage.

RATING.—None.

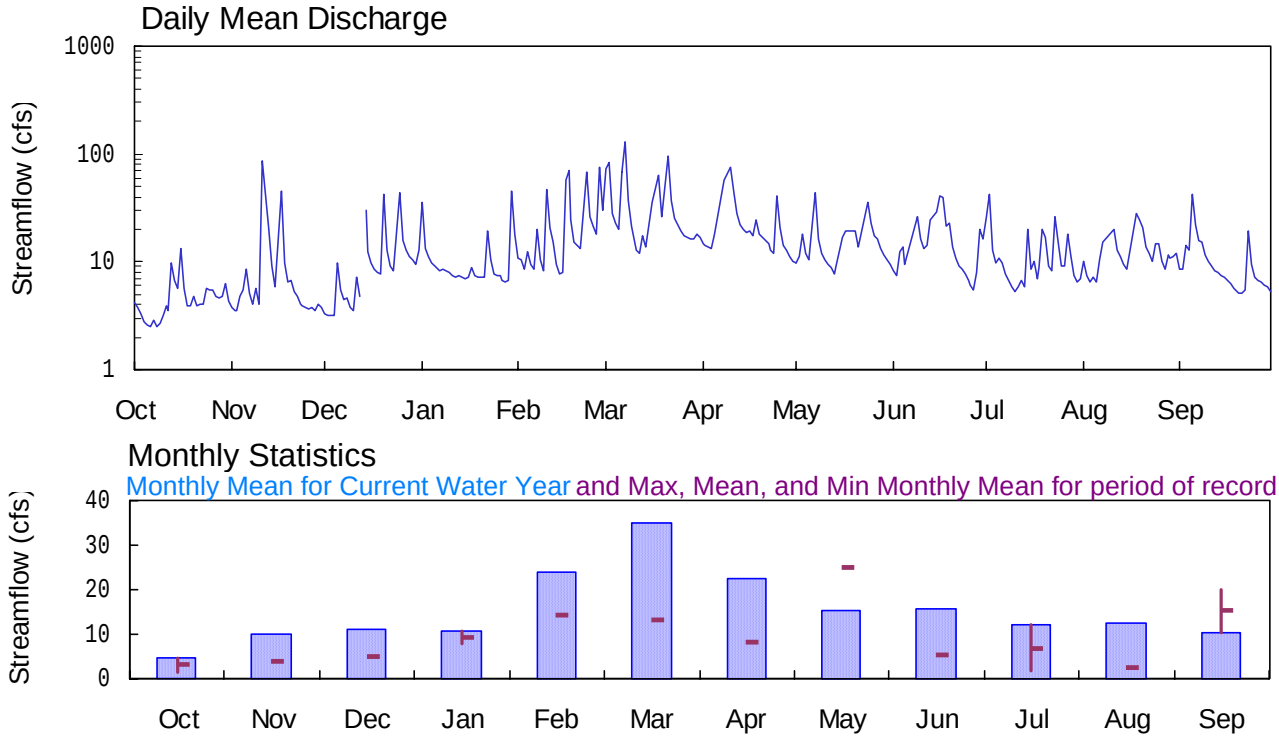
REMARKS.—Records fair. Measurements for the current water year are as follows:

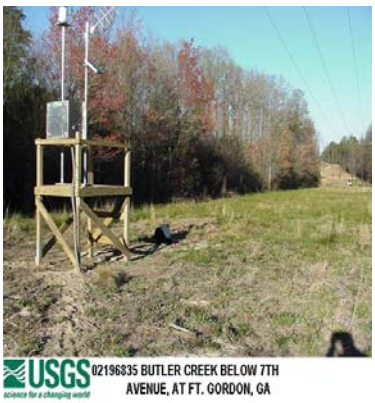
DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/03/02	0.40	2.19
08/19/03	1.01	20.6

2003 Water Year

02196835 BUTLER CREEK BELOW 7TH AVENUE, AT FT. GORDON, GA

Latitude: 33°26'19" Longitude: 082°06'58" Hydrologic Unit Code: 03060106 Richmond County
Drainage Area: 10.5 mi^2 Datum: 260 feet





SAVANNAH RIVER BASIN
2003 Water Year

02196835 BUTLER CREEK BELOW 7TH AVENUE, AT FORT GORDON, GA

LOCATION.—Lat 33°26'17", long 82°07'05" referenced to North American Datum (NAD) of 1983, Richmond County, Hydrologic Unit 03060106, 0.25 miles upstream of 7th Avenue, 1.0 mile upstream from Butler Creek Reservoir on Fort Gordon.

DRAINAGE AREA.—10.53 square miles (revised).

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 27, 2001 to current year, discharge less than 255 cfs only from October 1, 2002 to March 24, 2003; discharge less than 110 cfs from March 24, 2003 to September 30, 2003.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 260.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for period from February 7 to March 10, which is fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 27, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 260.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.— Records good, except for period from February 7 to March 10, which is fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 5.94 feet, August 16; minimum gage-height recorded, 1.99 feet, September 20, 30.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 27, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02196835 BUTLER CREEK BELOW 7TH AVENUE, AT FT. GORDON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 245
LATITUDE 332619 LONGITUDE 0820658 NAD83 DRAINAGE AREA 10.5 CONTRIBUTING DRAINAGE AREA 2* DATUM 260 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	3.7	3.3	35	11	73	15	9.8	8.2	26	10	8.6
2	3.8	3.6	3.2	13	10	83	14	11	7.6	42	7.5	8.4
3	3.3	3.5	3.2	11	8.5	28	14	18	12	13	6.5	14
4	2.8	4.8	3.1	9.8	12	23	13	12	14	9.8	7.1	13
5	2.6	5.6	9.9	9.2	9.5	20	18	11	9.6	11	6.5	42
6	2.5	8.6	5.6	8.8	8.5	67	---	---	---	9.6	11	22
7	2.9	5.1	4.5	8.3	20	132	---	44	---	7.7	15	16
8	2.5	4.0	4.6	8.4	10	37	57	17	---	6.8	---	15
9	2.6	5.7	3.7	8.1	8.4	21	---	12	27	5.8	---	12
10	3.1	4.1	3.5	7.9	47	15	76	10	16	5.2	---	10
11	3.9	87	7.2	7.4	21	13	46	9.4	13	5.9	20	9.2
12	3.5	---	4.8	7.3	15	12	28	e9.0	14	6.7	13	8.4
13	9.6	21	---	7.4	9.6	17	22	e7.7	24	5.8	11	8.1
14	6.7	9.1	30	7.2	7.8	14	20	e9.2	---	20	9.6	7.6
15	5.6	5.9	12	7.0	7.9	---	18	13	29	8.6	8.7	7.1
16	13	---	9.8	7.3	57	35	19	17	40	10	---	6.7
17	5.7	45	8.7	9.0	70	---	18	19	40	7.0	---	6.2
18	3.8	9.9	7.8	7.4	24	64	24	---	22	8.7	28	5.7
19	3.9	6.5	7.6	7.1	15	26	18	---	23	20	25	5.2
20	4.8	6.8	42	7.1	14	---	17	19	14	17	20	5.1
21	3.9	5.3	13	7.1	13	97	16	14	11	9.0	14	5.1
22	4.1	4.8	9.1	19	---	37	15	---	9.1	8.1	12	5.5
23	4.1	4.0	8.2	11	68	25	13	---	8.7	26	10	19
24	5.7	3.9	---	7.6	26	22	12	36	7.6	15	15	9.4
25	5.4	3.8	44	7.3	22	19	42	23	6.6	9.1	15	7.2
26	5.5	3.7	16	7.3	18	18	21	18	6.0	9.2	10	6.6
27	4.8	3.7	13	6.7	77	17	14	16	5.6	18	8.6	6.4
28	4.6	3.5	11	6.5	31	16	13	13	7.9	11	12	6.1
29	4.8	4.1	10	6.7	---	16	11	11	20	7.3	11	5.9
30	6.2	3.8	9.6	45	---	18	10	10	16	6.6	11	5.3
31	4.4	---	13	18	---	17	---	9.4	---	6.9	12	---
TOTAL	144.3	---	---	335.9	---	---	---	---	---	372.8	---	306.8
MEAN	4.65	---	---	10.8	---	---	---	---	---	12.0	---	10.2
MAX	13	---	---	45	---	---	---	---	---	42	---	42
MIN	2.5	---	---	6.5	---	---	---	---	---	5.2	---	5.1
MED	4.1	---	---	7.6	---	---	---	---	---	9.1	---	7.8
AC-FT	286	---	---	666	---	---	---	---	---	739	---	609
CFSM	2.33	---	---	5.42	---	---	---	---	---	6.01	---	5.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	3.10	3.83	5.16	9.28	14.3	13.1	8.11	25.0	5.21	6.89	2.33	15.2
MAX	4.65	3.83	5.16	10.8	14.3	13.1	8.11	25.0	5.21	12.0	2.33	20.2
(WY)	2003	2002	2002	2003	2002	2002	2002	2002	2002	2003	2002	2002
MIN	1.54	3.83	5.16	7.72	14.3	13.1	8.11	25.0	5.21	1.75	2.33	10.2
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2003

SUMMARY STATISTICS WATER YEARS 2001 - 2003

ANNUAL MEAN	8.98	
HIGHEST ANNUAL MEAN	8.98	2002
LOWEST ANNUAL MEAN	8.98	2002
HIGHEST DAILY MEAN	1760	Mar 29 2001
LOWEST DAILY MEAN	0.08	Mar 30 2001
ANNUAL SEVEN-DAY MINIMUM	0.37	Aug 8 2002
MAXIMUM PEAK STAGE	5.94	May 31 2002
ANNUAL RUNOFF (AC-FT)	6500	
ANNUAL RUNOFF (CFSM)	4.49	
10 PERCENT EXCEEDS	14	
50 PERCENT EXCEEDS	4.1	
90 PERCENT EXCEEDS	0.70	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02196835 BUTLER CREEK BELOW 7TH AVENUE, AT FT. GORDON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 245
LATITUDE 332619 LONGITUDE 0820658 NAD83 DRAINAGE AREA 10.5 CONTRIBUTING DRAINAGE AREA 2* DATUM 260 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.22	2.20	2.24	2.75	2.36	3.02	2.39	2.21	2.15	2.69	2.22	2.16
2	2.20	2.19	2.23	2.42	2.35	3.18	2.37	2.26	2.12	3.08	2.12	2.16
3	2.18	2.19	2.23	2.37	2.29	2.69	2.35	2.49	2.29	2.32	2.08	2.37
4	2.14	2.25	2.23	2.33	2.40	2.60	2.33	2.30	2.35	2.21	2.10	2.31
5	2.13	2.28	2.46	2.31	2.32	2.56	2.48	2.24	2.20	2.25	2.08	3.08
6	2.13	2.38	2.34	2.30	2.29	3.02	3.73	2.92	3.06	2.20	2.21	2.62
7	2.15	2.26	2.29	2.29	2.55	3.46	3.98	3.12	4.48	2.13	2.39	2.41
8	2.13	2.21	2.30	2.29	2.35	2.80	3.43	2.44	3.55	2.09	2.45	2.40
9	2.14	2.28	2.26	2.28	2.29	2.58	3.98	2.30	2.73	2.04	3.56	2.28
10	2.17	2.22	2.25	2.27	2.84	2.47	3.81	2.23	2.44	2.01	3.10	2.22
11	2.21	3.03	2.40	2.26	2.57	2.41	3.20	2.19	2.34	2.04	2.54	2.19
12	2.19	3.82	2.31	2.25	2.46	2.38	2.78	---	2.35	2.08	2.31	2.16
13	2.38	2.67	3.60	2.26	2.32	2.50	2.62	---	2.67	2.04	2.27	2.14
14	2.32	2.46	2.70	2.25	2.27	2.43	2.55	---	3.03	2.53	2.20	2.12
15	2.28	2.35	2.42	2.25	2.27	3.30	2.50	2.31	2.78	2.16	2.17	2.10
16	2.49	3.05	2.36	2.25	2.82	2.77	2.53	2.45	2.98	2.22	3.08	2.08
17	2.28	2.92	2.33	2.31	3.09	3.16	2.48	2.52	3.04	2.10	3.67	2.06
18	2.21	2.48	2.30	2.26	2.63	3.02	2.67	2.89	2.60	2.16	2.77	2.04
19	2.20	2.38	2.30	2.25	2.47	2.67	2.49	3.37	2.63	2.53	2.68	2.01
20	2.25	2.38	2.83	2.25	2.45	4.40	2.45	2.52	2.35	2.44	2.56	2.01
21	2.21	2.33	2.43	2.25	2.42	3.36	2.43	2.36	2.24	2.18	2.35	2.01
22	2.22	2.31	2.34	2.53	3.21	2.87	2.38	3.81	2.18	2.14	2.28	2.03
23	2.22	2.28	2.31	2.35	3.08	2.70	2.32	4.14	2.17	2.69	2.22	2.51
24	2.29	2.27	3.28	2.27	2.66	2.61	2.30	2.97	2.12	2.39	2.36	2.20
25	2.28	2.26	2.84	2.26	2.58	2.53	3.05	2.63	2.08	2.18	2.38	2.11
26	2.28	2.26	2.48	2.26	2.52	2.48	2.58	2.48	2.05	2.18	2.22	2.08
27	2.25	2.26	2.41	2.23	3.14	2.45	2.37	2.43	2.03	2.49	2.16	2.07
28	2.24	2.25	2.37	2.23	2.72	2.44	2.32	2.34	2.13	2.26	2.27	2.05
29	2.25	2.28	2.34	2.23	---	2.43	2.26	2.27	2.50	2.11	2.25	2.04
30	2.31	2.26	2.32	2.82	---	2.49	2.22	2.23	2.43	2.08	2.25	2.01
31	2.23	---	2.38	2.51	---	2.46	---	2.19	---	2.09	2.29	---
MEAN	2.23	2.43	2.45	2.33	2.56	2.78	2.71	---	2.54	2.26	2.44	2.20
MAX	2.49	3.82	3.60	2.82	3.21	4.40	3.98	---	4.48	3.08	3.67	3.08
MIN	2.13	2.19	2.23	2.23	2.27	2.38	2.22	---	2.03	2.01	2.08	2.01

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02196835 BUTLER CREEK BELOW 7TH AVENUE, AT FT. GORDON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 245
LATITUDE 332619 LONGITUDE 0820658 NAD83 DRAINAGE AREA 10.5 CONTRIBUTING DRAINAGE AREA 2* DATUM 260 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.02	0.00	0.75	0.00	0.02	0.00	1.01	0.00	0.00
2	0.00	0.00	0.00	0.02	0.00	0.14	0.00	0.39	0.00	0.26	0.00	0.14
3	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.05	0.01
4	0.00	0.14	0.00	0.00	0.25	0.03	0.00	0.00	0.04	0.20	0.00	0.20
5	0.00	0.21	0.47	0.00	0.00	0.09	0.29	0.00	0.00	0.02	0.02	0.06
6	0.00	0.06	0.00	0.00	0.38	0.72	1.61	1.00	2.04	0.00	0.40	0.34
7	0.00	0.00	0.00	0.00	0.06	0.50	1.19	0.03	1.42	0.00	0.15	0.09
8	0.00	0.00	0.01	0.00	0.00	0.00	0.78	0.01	0.14	0.00	0.39	0.04
9	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.11	0.00
10	0.07	0.00	0.13	0.00	0.62	0.00	0.32	0.00	0.00	0.00	0.79	0.00
11	0.00	1.45	0.15	0.00	0.00	0.00	0.02	0.00	0.00	0.07	0.00	0.00
12	0.00	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.03	0.06	0.00
13	0.44	0.01	1.24	0.00	0.00	0.26	0.00	0.00	0.12	0.47	0.01	0.00
14	0.06	0.00	0.00	0.00	0.00	0.01	0.00	0.00	1.19	0.01	0.00	0.00
15	0.38	0.00	0.00	0.00	0.00	0.96	0.00	0.37	0.01	0.00	0.00	0.00
16	0.01	0.96	0.00	0.12	1.03	0.00	0.00	0.28	0.85	0.00	1.71	0.00
17	0.00	0.16	0.00	0.01	0.16	0.73	0.35	0.21	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.02	0.05	1.57	0.28	0.45	0.19	0.00
19	0.01	0.00	0.06	0.00	0.00	0.15	0.00	0.00	0.00	0.19	0.00	0.00
20	0.04	0.00	0.52	0.00	0.00	1.61	0.00	0.00	0.00	0.00	0.00	0.00
21	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.47	1.04	0.00	0.00	2.57	0.00	0.21	0.09	0.19
23	0.05	0.00	0.00	0.00	0.09	0.00	0.00	0.19	0.00	0.40	0.00	0.24
24	0.14	0.00	1.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00
25	0.11	0.00	0.02	0.00	0.00	0.00	0.92	0.00	0.00	0.01	0.00	0.00
26	0.00	0.00	0.00	0.00	0.28	0.00	0.01	0.00	0.00	0.42	0.00	0.00
27	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.00	0.07	0.13	0.00	0.00
28	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.03	0.00
29	0.03	0.00	0.00	0.12	---	0.00	0.00	0.00	1.28	0.00	0.00	0.00
30	0.00	0.00	0.00	0.79	---	0.20	0.00	0.00	0.03	0.20	0.16	0.00
31	0.00	---	0.51	0.00	---	0.00	---	0.00	---	0.00	0.01	---
TOTAL	1.42	3.87	4.24	1.55	4.48	6.17	6.15	6.67	8.52	4.08	4.36	1.31

SAVANNAH RIVER BASIN
2003 Water Year

02196838 BUTLER CREEK RESERVOIR AT FORT GORDON, GA

LOCATION.—Lat 33°25'33", long 82°05'57" referenced to North American Datum (NGVD) of 1927, Richmond County, Hydrologic Unit 03060106, on dam, 1.1 miles southeast of US 78/278, 0.65 miles upstream of Lombard Mill Pond at Fort Gordon.

DRAINAGE AREA.—577 square miles, approximately.

COOPERATION.—U. S. Department of Army, Fort Gordon.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 19, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 250.00 feet above National Geodetic Vertical Datum (NGVD) (from topographic map).

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum gage-height recorded, 29.54 feet, August 16-17; minimum gage-height recorded, 27.14 feet, October 10-11.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 19, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02196838 BUTLER CREEK RESERVOIR AT FORT GORDON, GA SOURCE AGENCY USGS STATE 13 COUNTY 245
LATITUDE 332533 LONGITUDE 0820557 NAD83 DATUM 250.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.40	27.40	27.48	27.71	27.61	27.77	27.59	27.54	27.47	27.83	27.50	27.57
2	27.37	27.38	27.46	27.66	27.56	27.95	27.58	27.55	27.45	28.08	27.50	27.56
3	27.36	27.38	27.42	27.60	27.54	27.78	27.55	27.68	27.49	27.78	27.48	27.61
4	27.33	27.40	27.42	27.55	27.55	27.66	27.55	27.65	27.61	27.64	27.47	27.60
5	27.27	27.42	27.52	27.54	27.56	27.62	27.58	27.60	27.56	27.62	27.46	27.82
6	27.25	27.49	27.56	27.52	27.53	27.76	28.12	27.73	27.79	27.59	27.46	27.81
7	27.23	27.49	27.51	27.50	27.63	28.01	28.48	28.14	28.94	27.55	27.61	27.73
8	27.20	27.45	27.50	27.50	27.61	27.93	28.36	27.83	28.49	27.52	27.63	27.66
9	27.17	27.45	27.48	27.49	27.55	27.76	28.40	27.69	27.98	27.48	28.20	27.60
10	27.16	27.46	27.46	27.49	27.70	27.68	28.42	27.61	27.77	27.43	28.05	27.54
11	27.16	27.67	27.52	27.48	27.70	27.62	28.16	27.56	27.66	27.43	27.94	27.52
12	27.16	28.25	27.52	27.47	27.59	27.60	27.91	27.52	27.62	27.46	27.69	27.52
13	27.24	27.93	27.93	27.47	27.54	27.62	27.81	27.46	27.73	27.46	27.61	27.53
14	27.35	27.69	27.95	27.46	27.52	27.64	27.74	27.45	27.87	27.62	27.56	27.52
15	27.40	27.59	27.69	27.46	27.51	27.89	27.69	27.52	28.05	27.57	27.53	27.52
16	27.51	27.71	27.58	27.47	27.63	27.92	27.69	27.64	27.88	27.57	27.87	27.51
17	27.48	27.97	27.54	27.49	27.90	27.88	27.67	27.73	28.11	27.53	28.82	27.49
18	27.42	27.75	27.51	27.50	27.73	28.05	27.76	27.83	27.84	27.50	27.98	27.45
19	27.39	27.63	27.50	27.47	27.62	27.83	27.71	28.37	27.83	27.61	27.84	27.41
20	27.39	27.59	27.69	27.46	27.58	28.59	27.66	27.91	27.72	27.70	27.74	27.41
21	27.39	27.56	27.67	27.47	27.55	28.31	27.65	27.72	27.62	27.60	27.66	27.41
22	27.38	27.54	27.58	27.58	27.72	27.92	27.63	28.12	27.58	27.54	27.64	27.42
23	27.37	27.52	27.54	27.60	27.93	27.78	27.60	28.92	27.55	27.65	27.63	27.56
24	---	27.49	27.78	27.53	27.71	27.72	27.58	28.12	27.52	27.72	27.59	27.58
25	---	27.49	27.98	27.49	27.61	27.67	27.83	27.85	27.48	27.60	27.66	27.51
26	27.43	27.49	27.73	27.48	27.59	27.65	27.89	27.74	27.46	27.55	27.60	27.46
27	27.42	27.50	27.63	27.47	27.80	27.62	27.72	27.68	27.45	27.67	27.54	27.44
28	27.42	27.48	27.57	27.46	27.78	27.62	27.64	27.63	27.53	27.65	27.53	27.43
29	27.43	27.47	27.55	27.45	---	27.60	27.60	27.58	27.71	27.55	27.58	27.42
30	27.44	27.49	27.53	27.66	---	27.62	27.56	27.54	27.89	27.49	27.56	27.41
31	27.42	---	27.53	27.73	---	27.63	---	27.50	---	27.49	27.61	---
MEAN	---	27.57	27.59	27.52	27.64	27.80	27.80	27.76	27.75	27.60	27.69	27.53
MAX	---	28.25	27.98	27.73	27.93	28.59	28.48	28.92	28.94	28.08	28.82	27.82
MIN	---	27.38	27.42	27.45	27.51	27.60	27.55	27.45	27.45	27.43	27.46	27.41

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02196838 BUTLER CREEK RESERVOIR AT FORT GORDON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 245
LATITUDE 332533 LONGITUDE 0820557 NAD83 DATUM 250.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.01	0.00	0.34	0.00	0.13	0.00	0.63	0.00	0.00
2	0.00	0.00	0.00	0.01	0.00	0.08	0.00	0.17	0.00	0.11	0.00	0.21
3	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.24	0.00	0.03	0.00
4	0.00	0.06	0.00	0.00	0.11	0.01	0.00	0.00	0.00	0.12	0.00	0.12
5	0.00	0.14	0.21	0.00	0.00	0.04	0.15	0.00	0.00	0.00	0.00	0.02
6	0.00	0.02	0.00	0.00	0.16	0.34	0.26	0.43	1.00	0.00	0.06	0.15
7	0.00	0.00	0.00	0.00	0.03	0.21	0.69	0.02	0.79	0.00	0.14	0.06
8	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.09	0.00	0.51	0.02
9	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.13	0.00
10	0.03	0.00	0.04	0.00	0.27	0.00	0.13	0.00	0.00	0.00	0.39	0.00
11	0.00	0.39	0.06	0.00	0.00	0.00	0.01	0.00	0.00	0.12	0.00	0.00
12	0.00	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.03	0.00
13	0.21	0.01	0.61	0.00	0.00	0.14	0.00	0.00	0.07	0.29	0.00	0.00
14	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00
15	0.24	0.00	0.00	0.00	0.00	0.48	0.00	0.17	0.00	0.00	0.10	0.00
16	0.00	0.43	0.00	0.04	0.43	0.00	0.00	0.08	0.58	0.00	0.88	0.00
17	0.00	0.07	0.00	0.00	0.05	0.39	0.20	0.07	0.00	0.00	0.01	0.00
18	0.00	0.00	0.00	0.00	0.00	0.01	0.01	1.13	0.15	0.31	0.07	0.00
19	0.00	0.00	0.01	0.00	0.00	0.07	0.00	0.00	0.00	0.02	0.00	0.00
20	0.01	0.00	0.23	0.00	0.00	0.74	0.00	0.00	0.00	0.00	0.00	0.00
21	---	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
22	---	0.00	0.00	0.19	0.35	0.00	0.00	1.01	0.00	0.10	0.74	0.05
23	0.03	0.00	0.00	0.01	0.04	0.00	0.00	0.10	0.00	0.15	0.00	0.11
24	---	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00
25	---	0.00	0.01	0.00	0.00	0.00	0.49	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.28	0.00	0.00
27	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.13	0.04	0.00	0.00
28	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.01	0.00
29	0.01	0.00	0.00	0.04	---	0.00	0.00	0.00	0.69	0.02	0.00	0.00
30	0.00	0.00	0.00	0.39	---	0.06	0.00	0.00	0.01	0.10	0.02	0.00
31	0.00	---	0.20	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	---	1.86	1.90	0.69	1.85	2.91	2.69	3.32	4.58	2.29	3.41	0.74

SAVANNAH RIVER BASIN
2003 Water Year

02197000 SAVANNAH RIVER AT AUGUSTA, GA

LOCATION.—Lat 33°22'25", long 81°56'35" referenced to North American Datum (NAD) of 1927, Richmond County, GA-Aiken County, SC, Hydrologic Unit 03060106, at New Savannah Bluff Lock and Dam, 0.2 miles upstream from Butler Creek, 12.0 miles downstream from Augusta, and at mile 187.4.

DRAINAGE AREA.—7,508 square miles, including that of Butler Creek.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1883 to December 1891, January 1896 to December 1906, January 1925 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at site of Fifth Street gage from 1875 to 1952 and at New Savannah Bluff lock and dam sites since 1937 are contained in reports of the National Weather Service.

REVISED RECORDS.—WSP 1303: 1927-39 (monthly runoff). WSP 1433: 1888, 1896-99, 1902-03, 1906-07, and 1932(M). WDR SC-77-1: 1975. WDR SC-94-1: Peaks outside period of record (1796, 1840, 1852, 1864, 1865 and 1908).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 96.58 feet above National Geodetic Vertical Datum (NGVD) of 1929 (U.S. Army Corps of Engineers benchmark). From October 1, 1883 to December 31, 1891, January 1, 1896 to December 31, 1906, January 1, 1925 to September 30, 1932, a non-recording or recording gage was located at the Fifth Street Bridge at datum 102.06 feet above sea level (levels by Southeastern Engineering Co.). From October 1, 1932 to September 30, 1936, a recording gage was located at the Thirteenth Street Bridge at datum 104.56 feet above sea level (levels by U.S. Army Corps of Engineers). From October 1, 1936 to November 10, 1948, a recording gage was located at site 0.2 miles downstream from present site and at present datum.

REMARKS.—Records fair. Flow regulated by Thurmond Lake (see station 02194500), Hartwell Lake, Richard B. Russell Lake, and by other power plants above station. This station is operated by the USGS, South Carolina District. For more information, please check http://sc.water.usgs.gov.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum discharge, 307,000 cfs, Aug. 27, 1908, gage height, 38.8 feet, at site and datum at Fifth Street gage. Stages and discharges for other floods at site and datum at Fifth Street gage are as follows: 280,000 cfs, January 17, 1796, gage-height (determined by analysis of historical documents), 38 feet; 260,000 cfs, May 28, 1840, gage-height, 37.5 feet; 230,000 cfs, August 29, 1852, gage-height, 36.8 feet; 160,000 cfs, January 1, 1864, gage-height, 34.0 feet; 220,000 cfs, January 11, 1865, gage-height, 36.4 feet. Stages for the 1840, 1852, 1864, and 1865 floods were obtained from the City of Augusta, Georgia, gage records that were copied in the log books of the National Weather Service. These floods and floods recorded by the National Weather Service beginning in 1876 are stored in the USGS peak flow database. Other historical documents indicated floods of unknown magnitude occurred in 1722 and 1741.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02197000 SAVANNAH RIVER AT AUGUSTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 245
LATITUDE 332225 LONGITUDE 0815635 NAD27 DRAINAGE AREA 7508.* CONTRIBUTING DRAINAGE AREA DATUM 96.58 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4100	3930	3930	3910	5190	7100	9080	15600	21700	11400	7560	6430
2	4030	4230	3970	4030	5130	6010	5800	14900	21100	16900	7430	5280
3	4270	3880	4020	4160	4640	6960	5910	12300	21300	20900	7980	5080
4	4370	3870	4010	4310	3930	6110	7200	7140	21500	21800	10900	4980
5	4170	3960	3950	4920	4240	5520	7130	6140	19300	25300	14500	5210
6	4060	3870	3960	4200	5280	7640	7440	8030	14600	26600	14800	5310
7	4140	3910	4000	4080	5120	18900	8940	22100	11200	26500	13600	4910
8	3910	3910	3980	4090	5670	20500	14600	25000	12400	26200	11200	5340
9	3920	3860	4120	4430	4260	17100	20200	24900	11500	26800	11500	3470
10	3840	3860	4000	4110	4560	14700	27300	24800	11300	27000	10800	5500
11	3960	4100	3980	3920	5960	18000	26600	25300	11300	27300	11400	5190
12	3920	4770	3940	3950	5630	19700	25500	26000	10800	21600	12100	4980
13	3860	4620	4440	4170	5360	20200	23200	25000	16000	14600	11600	6450
14	3860	5670	5950	4280	4930	20200	21600	24000	18600	14600	11300	4760
15	3950	5230	7350	3930	4410	21600	20700	24000	16500	15100	11700	4870
16	4090	4700	6040	3810	4730	25600	20400	23000	15000	9240	12400	5820
17	4020	4950	4690	3820	6940	25700	17600	17500	17300	7420	10800	7610
18	3820	4920	3940	4120	7060	26700	14700	12900	17100	8610	10800	6980
19	3880	4950	3950	4550	5540	24900	12400	12400	19000	9210	10800	6750
20	3990	5020	3840	3980	4530	19100	10200	12000	16400	10400	9930	5890
21	4320	4380	4060	3900	5260	29600	8570	11900	12100	19700	9590	5240
22	3930	4030	5160	3960	5010	23300	8070	12000	11700	23400	8460	5140
23	3970	3900	4290	4190	6580	12900	7630	18700	13600	23400	8020	6150
24	3840	3960	4390	4070	7210	15200	9550	29700	15300	20000	9540	5810
25	3830	4120	8300	3830	6640	25100	10600	22200	12200	15700	10100	5220
26	3850	4140	9430	4400	6630	28200	11000	15800	9730	13100	9950	5490
27	3850	4250	7540	4030	7390	28800	9760	17900	7180	11200	9790	6060
28	3780	3980	4710	3880	7520	24600	8690	23900	6340	7780	9640	5600
29	3860	4140	4050	3950	---	16100	14300	25800	7000	6400	9880	5000
30	3900	4020	5000	4260	---	7760	15100	26200	6910	7140	8550	4890
31	3910	---	4560	4670	---	8560	---	23700	---	7180	6270	---
TOTAL	123200	129130	149550	127910	155350	552360	409770	590810	425960	522480	322890	165410
MEAN	3974	4304	4824	4126	5548	17820	13660	19060	14200	16850	10420	5514
MAX	4370	5670	9430	4920	7520	29600	27300	29700	21700	27300	14800	7610
MIN	3780	3860	3840	3810	3930	5520	5800	6140	6340	6400	6270	3470
CFSM	0.53	0.57	0.64	0.55	0.74	2.37	1.82	2.54	1.89	2.24	1.39	0.73
IN.	0.61	0.64	0.74	0.63	0.77	2.74	2.03	2.93	2.11	2.59	1.60	0.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2003, BY WATER YEAR (WY)

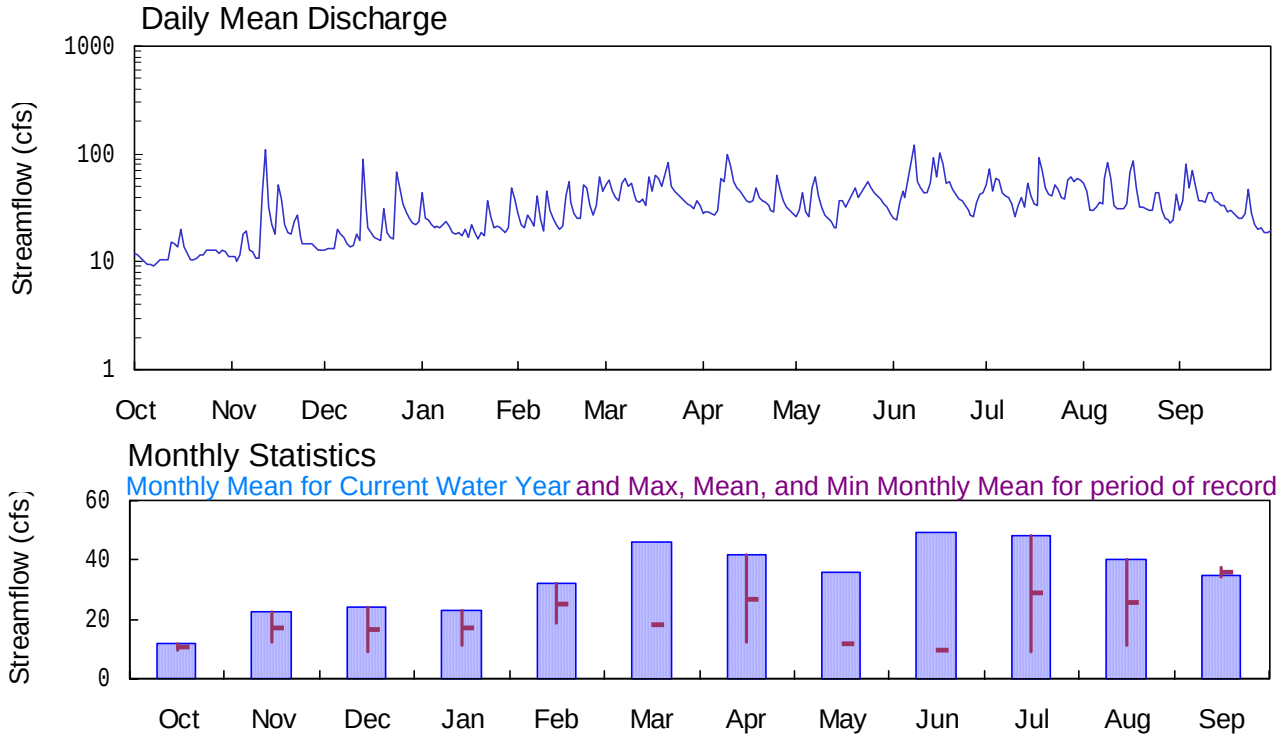
MEAN	7079	7122	8790	10340	11760	13860	12680	9315	8183	7240	7436	6861
MAX	17740	18610	27270	30250	30600	29090	43850	27050	22830	16850	15820	14480
(WY)	1965	1996	1993	1993	1998	1952	1964	1964	1973	2003	1994	1964
MIN	2728	4017	3751	4084	4774	4687	4371	4037	4139	3627	3889	3332
(WY)	1952	1953	1953	1953	2002	2002	2000	2001	2002	1952	1952	1952

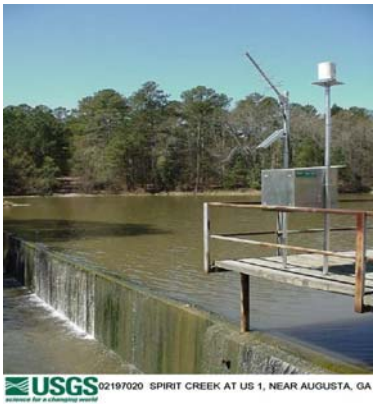
SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1952 - 2003	
ANNUAL TOTAL	1612810		3674820			
ANNUAL MEAN	4419		10070		9208	
HIGHEST ANNUAL MEAN					16580	1964
LOWEST ANNUAL MEAN					4470	2002
HIGHEST DAILY MEAN	9430	Dec 26	29700	May 24	84500	Apr 10 1964
LOWEST DAILY MEAN	3730	Sep 12	3470	Sep 9	1770	Oct 18 1951
ANNUAL SEVEN-DAY MINIMUM	3840	Oct 24	3840	Oct 24	2090	Oct 20 1951
MAXIMUM PEAK FLOW			31600	May 24	87100	Apr 9 1964
MAXIMUM PEAK STAGE			20.42	May 24	24.16	Apr 9 1964
ANNUAL RUNOFF (CFSM)	0.59		1.34		1.23	
ANNUAL RUNOFF (INCHES)	7.99		18.21		16.66	
10 PERCENT EXCEEDS	4950		23100		17700	
50 PERCENT EXCEEDS	4270		6980		6830	
90 PERCENT EXCEEDS	3920		3930		4660	

2003 Water Year

02197020 SPIRIT CREEK AT US 1, NEAR AUGUSTA, GA

Latitude: 33°22'24" Longitude: 082°08'21" Hydrologic Unit Code: 03060106 Richmond County
Drainage Area: 17.2 mi^2 Datum: 229.6 feet





SAVANNAH RIVER BASIN
2003 Water Year

02197020 SPIRIT CREEK AT US 1, NEAR AUGUSTA, GA

LOCATION.—Lat 33°22'24", long 82°08'21" referenced to North American Datum (NAD) of 1927, Richmond County, Hydrologic Unit 03060106, 150.00 feet upstream of GA 1.

DRAINAGE AREA.—17.2 square miles.

COOPERATION.—U.S. Department of the Army, Fort Gordon.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 26, 2001 to current year, discharges less than 365 cfs only.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 229.61 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records fair, except for periods of estimated discharge, which are poor. Low flows are regulated by spillway of dam for Richmond Factory Pond.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 27, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 229.61 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records fair. Low flows are regulated by spillway of dam for Richmond Factory Pond.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 7.20 feet, June 6; minimum gage-height recorded, 2.92 feet, October 7.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 26, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02197020 SPIRIT CREEK AT US 1, NEAR AUGUSTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 245
LATITUDE 332224 LONGITUDE 0820821 NAD27 DRAINAGE AREA 17.2 CONTRIBUTING DRAINAGE AREA 18.0* DATUM 229.61 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	11	13	44	28	52	28	26	26	53	53	30
2	12	11	13	25	22	56	29	30	25	72	45	37
3	11	10	13	25	20	45	29	43	35	46	30	80
4	10	12	13	22	27	39	28	30	45	60	30	48
5	9.6	18	20	21	24	37	e27	26	40	57	32	70
6	9.5	19	18	22	21	53	e30	49	---	43	35	49
7	9.2	13	17	21	40	60	e60	61	---	40	35	37
8	9.9	12	15	22	26	51	e55	41	123	40	e59	37
9	10	11	14	24	19	53	100	32	55	35	e83	36
10	10	11	14	21	45	40	78	27	48	26	e60	43
11	10	42	18	19	30	36	56	25	44	33	e34	44
12	10	110	16	18	25	35	49	24	43	40	31	37
13	15	33	90	18	22	38	44	20	54	32	e31	35
14	14	22	31	17	20	33	40	21	92	54	e31	34
15	14	18	21	20	21	61	37	37	61	41	e34	33
16	20	52	19	17	40	46	35	36	102	35	e68	29
17	14	38	17	22	55	64	37	32	82	33	e87	30
18	12	22	16	19	36	59	49	---	54	92	e48	28
19	11	19	16	16	28	50	39	---	55	70	e32	27
20	10	18	31	18	25	---	37	49	47	48	32	25
21	11	24	19	17	26	84	35	39	42	43	31	25
22	12	27	17	36	52	51	33	---	39	40	30	28
23	11	17	16	26	48	45	30	---	36	52	30	47
24	13	15	68	21	33	42	29	56	33	47	44	28
25	13	15	49	21	27	39	64	48	30	40	44	22
26	13	15	34	20	33	37	46	44	27	38	30	20
27	13	15	29	20	61	35	36	41	26	57	26	20
28	12	14	26	19	45	34	33	38	35	60	24	19
29	13	13	23	21	---	31	30	35	42	56	23	19
30	13	13	22	48	---	36	28	32	44	59	24	19
31	11	---	24	38	---	33	---	28	---	58	42	---
TOTAL	368.2	670	752	718	899	---	1251	---	---	1500	1238	1036
MEAN	11.9	22.3	24.3	23.2	32.1	---	41.7	---	---	48.4	39.9	34.5
MAX	20	110	90	48	61	---	100	---	---	92	87	80
MIN	9.2	10	13	16	19	---	27	---	---	26	23	19
MED	12	16	18	21	28	---	36	---	---	46	32	32
AC-FT	730	1330	1490	1420	1780	---	2480	---	---	2980	2460	2050
CFSM	0.66	1.24	1.35	1.29	1.78	---	2.32	---	---	2.69	2.22	1.92

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	10.7	17.4	16.7	17.3	25.3	18.2	26.9	11.6	9.38	28.7	25.6	35.9
MAX	11.9	22.3	24.3	23.2	32.1	18.2	41.7	11.6	9.38	48.4	39.9	37.3
(WY)	2003	2003	2003	2003	2003	2002	2003	2002	2002	2003	2003	2002
MIN	9.62	12.5	9.08	11.5	18.5	18.2	12.1	11.6	9.38	9.06	11.2	34.5
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2003

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	5978.8			
ANNUAL MEAN	16.4		14.1	
HIGHEST ANNUAL MEAN			14.1	2002
LOWEST ANNUAL MEAN			14.1	2002
HIGHEST DAILY MEAN	295	Sep 18	295	Sep 18 2002
LOWEST DAILY MEAN	4.0	Jul 6	4.0	Jul 6 2002
ANNUAL SEVEN-DAY MINIMUM	4.6	Aug 8	4.6	Aug 8 2002
MAXIMUM PEAK STAGE			8.22	Sep 18 2002
INSTANTANEOUS LOW FLOW			3.4	Jul 6 2002
ANNUAL RUNOFF (AC-FT)	11860		10210	
ANNUAL RUNOFF (CFSM)	0.91		0.78	
10 PERCENT EXCEEDS	26		20	
50 PERCENT EXCEEDS	11		9.9	
90 PERCENT EXCEEDS	5.8		5.8	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02197020 SPIRIT CREEK AT US 1, NEAR AUGUSTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 245
LATITUDE 332224 LONGITUDE 0820821 NAD27 DRAINAGE AREA 17.2 CONTRIBUTING DRAINAGE AREA 18.0* DATUM 229.61 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.00	3.00	3.06	3.33	3.19	3.42	3.19	3.17	3.17	3.42	3.45	3.41
2	3.00	3.00	3.07	3.17	3.13	3.48	3.20	3.21	3.16	3.57	3.53	3.44
3	3.00	2.97	3.07	3.16	3.11	3.33	3.20	3.32	3.26	3.34	3.77	3.66
4	2.98	3.02	3.07	3.13	3.18	3.27	3.19	3.20	3.33	3.40	3.85	3.52
5	2.96	3.14	3.19	3.12	3.16	3.26	---	3.17	3.28	3.47	4.02	3.63
6	2.96	3.18	3.16	3.13	3.12	3.44	---	3.35	4.14	3.31	4.29	3.53
7	2.95	3.05	3.14	3.12	3.29	3.53	---	3.48	4.37	3.29	4.24	3.46
8	2.97	3.03	3.10	3.14	3.17	3.41	---	3.29	3.77	3.28	4.48	3.46
9	2.98	3.00	3.07	3.15	3.10	3.44	3.71	3.22	3.47	3.24	4.30	3.45
10	2.98	3.00	3.08	3.12	3.36	3.28	3.64	3.18	3.37	3.21	4.25	3.49
11	2.98	3.32	3.16	3.09	3.20	3.25	3.48	3.16	3.31	3.23	3.94	3.51
12	2.98	3.72	3.12	3.09	3.17	3.25	3.39	3.15	3.32	3.28	3.87	3.46
13	3.09	3.37	3.56	3.09	3.13	3.26	3.32	3.11	3.46	3.22	---	3.45
14	3.09	3.24	3.34	3.08	3.11	3.23	3.28	3.12	3.59	3.44	---	3.43
15	3.07	3.16	3.21	3.11	3.12	3.49	3.26	3.26	3.50	3.29	---	3.43
16	3.19	3.39	3.18	3.07	3.32	3.35	3.25	3.26	3.56	3.24	---	3.40
17	3.08	3.41	3.14	3.13	3.46	3.47	3.26	3.22	3.59	3.23	---	3.40
18	3.03	3.23	3.13	3.09	3.25	3.50	3.38	3.71	3.45	3.54	---	3.39
19	2.99	3.18	3.12	3.06	3.19	3.40	3.27	3.95	3.46	3.56	---	3.38
20	2.98	3.16	3.34	3.09	3.16	3.94	3.26	3.39	3.36	3.37	3.93	3.37
21	3.00	3.21	3.17	3.07	3.17	3.65	3.25	3.27	3.30	3.31	3.90	3.36
22	3.01	3.29	3.14	3.26	3.41	3.41	3.23	3.80	3.27	3.29	3.85	3.39
23	3.01	3.14	3.13	3.17	3.37	3.33	3.21	3.90	3.25	3.43	3.82	3.52
24	3.05	3.10	3.47	3.12	3.23	3.30	3.20	3.48	3.23	3.35	3.91	3.39
25	3.04	3.10	3.38	3.13	3.18	3.27	3.49	3.37	3.21	3.28	3.58	3.34
26	3.06	3.10	3.24	3.11	3.23	3.26	3.35	3.31	3.18	3.27	3.40	3.31
27	3.05	3.09	3.20	3.11	3.52	3.24	3.25	3.29	3.17	3.49	3.37	3.31
28	3.03	3.07	3.17	3.09	3.34	3.23	3.23	3.26	3.25	3.53	3.36	3.29
29	3.05	3.05	3.14	3.12	---	3.22	3.20	3.24	3.30	3.48	3.34	3.29
30	3.04	3.05	3.13	3.40	---	3.25	3.19	3.22	3.32	3.52	3.35	3.30
31	3.01	---	3.15	3.27	---	3.23	---	3.19	---	3.51	3.49	---
MEAN	3.02	3.16	3.18	3.14	3.23	3.37	---	3.33	3.41	3.37	---	3.43
MAX	3.19	3.72	3.56	3.40	3.52	3.94	---	3.95	4.37	3.57	---	3.66
MIN	2.95	2.97	3.06	3.06	3.10	3.22	---	3.11	3.16	3.21	---	3.29

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02197020 SPIRIT CREEK AT US 1, NEAR AUGUSTA, GA LAKE SOURCE AGENCY USGS STATE 13 COUNTY 245
LATITUDE 332224 LONGITUDE 0820821 NAD27 DRAINAGE AREA 17.2 CONTRIBUTING DRAINAGE AREA 18.0* DATUM 229.61 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.02	0.00	0.80	0.00	0.31	0.00	---	0.00	0.00
2	0.00	0.00	0.00	0.03	0.00	0.12	0.00	0.56	0.00	---	0.00	0.73
3	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.01	0.44	---	0.34	0.00
4	0.00	0.12	0.00	0.00	0.21	0.06	0.00	0.00	0.07	---	0.00	0.45
5	0.00	0.38	0.28	0.00	0.00	0.22	0.00	0.00	0.00	---	0.00	0.00
6	0.00	0.08	0.00	0.00	0.45	0.61	0.00	1.10	3.22	---	0.06	0.23
7	0.00	0.00	0.00	0.00	0.07	0.44	---	0.07	0.84	---	0.23	0.23
8	0.01	0.00	0.00	0.00	0.00	0.00	---	0.00	0.21	---	0.27	0.03
9	0.01	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	---	0.96	0.00
10	0.03	0.00	0.12	0.00	0.49	0.00	0.00	0.00	0.00	---	0.60	0.00
11	0.00	1.76	0.11	0.00	0.00	0.00	0.00	0.15	0.00	0.15	0.00	0.00
12	0.00	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.19	0.00
13	0.45	0.00	1.50	0.00	0.00	0.12	0.00	0.00	0.15	0.38	---	0.00
14	0.04	0.00	0.00	0.00	0.00	0.04	0.00	0.00	1.07	0.17	---	0.00
15	0.61	0.00	0.00	0.00	0.00	0.85	0.00	0.67	0.00	0.00	---	0.00
16	0.01	1.08	0.00	0.10	1.13	0.00	0.00	0.17	1.13	0.00	---	0.00
17	0.00	0.14	0.00	0.00	0.12	0.75	0.37	0.09	0.00	0.82	---	0.00
18	0.00	0.00	0.00	0.00	0.00	0.04	0.01	3.64	0.70	1.63	---	0.00
19	0.00	0.00	0.04	0.00	0.01	0.20	0.00	0.00	0.06	0.04	---	0.00
20	0.01	0.00	0.46	0.00	0.00	1.67	0.01	0.00	0.00	0.00	0.00	0.00
21	0.13	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.01	0.00	0.00	0.56	0.74	0.00	0.00	---	0.00	0.40	0.00	0.13
23	0.03	0.00	0.00	0.01	0.05	0.00	0.00	---	0.00	0.43	0.00	0.12
24	0.16	0.00	1.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.32	0.00
25	0.07	0.00	0.02	0.00	0.00	0.00	1.63	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.00	0.00	0.30	0.00	0.00
27	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.01	0.00	0.00	0.00
28	0.13	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.49	0.00	0.00	0.00
29	0.01	0.00	0.00	0.06	---	0.00	0.00	0.00	0.04	0.01	0.00	0.00
30	0.01	0.00	0.00	1.14	---	0.15	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.57	0.01	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	1.72	4.60	4.46	1.95	4.40	6.07	---	---	8.77	---	---	1.92

021970140 MCCOY CREEK ABOVE SIGNAL LAKE, AT FORT GORDON, GA

LOCATION.—Lat 33° 25' 18", long 82° 10' 07" referenced to North American Datum (NAD) of 1927, Richmond County, Hydrologic Unit 03060106, at Fourth Street, 0.10 miles upstream of Signal Lake, 1.6 miles upstream of confluence with Spirit Creek.

DRAINAGE AREA.—1.00 square miles.

COOPERATION.—U.S. Army, Fort Gordon.

MISCELLANEOUS MEASUREMENTS

PERIOD OF RECORD.—March 17, 1999 to current year.

GAGE.—Standard USGS reference mark. Datum of gage is 310.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—None

REMARKS.—Records fair. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/03/02	0.64	0.852
06/12/03	0.72	1.81
08/12/03	0.75	1.94

021970158 MCCOY CREEK BELOW SIGNAL LAKE, AT FORT GORDON, GA

LOCATION.—Lat 33° 23' 56", long 82° 09' 37", referenced to North American Datum (NAD) of 1927, Richmond County, Hydrologic Unit 03060106, at North Range Road, 0.25 miles downstream of Signal Lake, 0.60 miles upstream of confluence with Spirit Creek.

DRAINAGE AREA.—3.20 square miles.

COOPERATION.—U.S. Army, Fort Gordon.

MISCELLANEOUS MEASUREMENTS

PERIOD OF RECORD.—March 17, 1999 to current year.

GAGE.—Standard USGS reference mark. Datum of gage is 270.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—None.

REMARKS.—Records fair. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/03/02	1.68	2.60
08/12/03	2.76	5.00

SAVANNAH RIVER BASIN
2003 Water Year

02197025 SOUTH PRONG CREEK AT US 1, NEAR AUGUSTA, GA

LOCATION.—Lat 33° 21' 18", long 82° 08' 38" referenced to North American Datum (NAD) of 1927, Richmond County, Hydrologic Unit 03060106, 100.00 feet downstream of Ellis Pond on US 1, 0.95 miles upstream of confluence of Spirit Creek, 12.4 miles south of Augusta.

DRAINAGE AREA.—13.0 square miles.

COOPERATION.—U.S. Army, Fort Gordon.

MISCELLANEOUS MEASUREMENTS

PERIOD OF RECORD.—February 10, 1999 to current year.

GAGE.—Standard USGS reference mark. Datum of gage is 240.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—None.

REMARKS.—Records fair. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/04/02	1.06	6.82
08/19/03	1.46	15.0

SAVANNAH RIVER BASIN
2003 Water Year

02197190 McBEAN CREEK AT US 25, NEAR McBEAN, GA

LOCATION.—Lat 33°14'12", long 82°02'38" referenced to North American Datum (NAD) of 1927, Richmond-Burke County line, Hydrologic Unit 03060106, at US 25, 5.5 miles west of McBean.

DRAINAGE AREA.—41.4 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1963 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 170.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest stage gage is a device that will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.--
STAGE: 7.52 feet, October 12, 1990
DISCHARGE: 3,160 cfs, October 12, 1990

MAXIMUM FOR CURRENT YEAR.--
STAGE: 4.48 feet, August 7
DISCHARGE: 357 cfs, August 7

SAVANNAH RIVER BASIN
2003 Water Year

02197500 SAVANNAH RIVER AT BURTONS FERRY BRIDGE, NEAR MILLHAVEN, GA

LOCATION.—Lat 32°56'20", long 81°30'10" referenced to North American Datum (NAD) of 1927, Screven County, GA-Allendale County, SC, Hydrologic Unit 03060106, on right bank 500.0 feet downstream of bridge on US 301, 2.0 miles downstream from Rocky Creek, 9.0 miles east of Millhaven, and at mile 118.7.

DRAINAGE AREA.—8,650 square miles, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1939 to September 1970, October 1982 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 54.42 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good. Flow regulated by Thurmond Lake (see station 02194500).

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood in October 1929 reached a stage of 30.8 feet, from information by U.S. Army Corps of Engineers, discharge, 220,000 cfs, from rating curve extended above 141,000 cfs. This station is operated by the USGS, South Carolina District. For more information, please check http://sc.water.usgs.gov.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02197500 SAVANNAH R AT BURTONS FERRY BR NR MILLHAVEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 251
LATITUDE 325620 LONGITUDE 0813010 NAD27 DRAINAGE AREA 8650* CONTRIBUTING DRAINAGE AREA DATUM 52.42 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4530	4710	4710	6180	5540	8570	20700	14000	23200	9100	11000	9620
2	4430	4690	4630	5500	5980	8830	17000	14900	24400	12000	10200	8690
3	4370	4830	4570	5330	6200	8260	12500	15500	24900	15100	10000	8060
4	4420	4760	4620	5390	5750	8190	8100	15800	24700	16500	10200	7160
5	4630	4640	4650	5480	5320	7980	7890	15000	24000	17500	11400	7020
6	4600	4690	4630	5850	5120	7010	7980	11500	23600	18700	13400	7030
7	4470	4690	4630	5610	5820	7770	8010	9630	23600	20100	14900	7230
8	4470	4660	4660	5340	6020	12000	9750	12900	23400	22000	15500	6940
9	4490	4670	4620	5240	6480	14300	12900	15000	22200	24300	15800	7080
10	4390	4660	4700	5350	5920	15500	15300	16300	20400	26100	15700	6280
11	4360	4640	4730	5380	5520	16500	17200	18000	18600	27000	15500	6570
12	4420	5010	4680	5110	6060	17200	19400	20100	17000	27500	15300	6790
13	4480	5700	4740	5030	6490	17800	22400	22100	16100	27900	15200	6620
14	4460	6140	5140	5100	6390	18500	25500	23700	15900	27800	15200	7170
15	4440	6410	6350	5290	6090	19700	26700	24900	16500	26000	14900	6940
16	4540	6550	8410	5110	5520	21800	26300	25500	17300	23400	14800	6440
17	4740	6140	7960	4930	5780	23100	25200	25600	18000	21200	14800	6910
18	4800	6200	6730	4850	7110	24200	24300	25400	18500	18400	14900	8150
19	4660	6180	5680	4900	8250	25400	23500	24700	19100	15600	14800	8390
20	4570	6040	5420	5390	7310	27200	22300	23000	19600	13700	14400	8150
21	4630	5930	5350	5140	6110	29100	20500	20900	20200	13100	13900	7430
22	4880	5640	5320	5000	6020	28300	17900	19200	20400	14000	13100	6830
23	4830	5070	5960	5050	6390	27100	15000	18100	19800	15600	12300	6590
24	4730	4760	5850	5090	6960	26700	11800	17500	18500	17200	10900	7160
25	4650	4660	5950	5240	7970	24800	11100	17700	17600	19100	11400	7190
26	4600	4710	7950	4940	7830	22300	12200	18600	17000	21300	12100	6760
27	4610	4770	10200	4960	7540	21100	13100	20400	16000	22600	12600	6660
28	4640	4880	9790	5250	8250	21100	13100	21900	13600	22100	12500	7010
29	4660	4770	7560	4910	---	22300	12000	21900	10100	20100	12300	7020
30	4680	4720	5900	4870	---	24100	12600	21700	9090	16700	12100	6460
31	4700	---	5820	5130	---	23900	---	22000	---	13200	11700	---
TOTAL	141880	155920	181910	161940	179740	580610	492230	593430	573290	604900	412800	216350
MEAN	4577	5197	5868	5224	6419	18730	16410	19140	19110	19510	13320	7212
MAX	4880	6550	10200	6180	8250	29100	26700	25600	24900	27900	15800	9620
MIN	4360	4640	4570	4850	5120	7010	7890	9630	9090	9100	10000	6280
CFSM	0.53	0.60	0.68	0.60	0.74	2.17	1.90	2.21	2.21	2.26	1.54	0.83
IN.	0.61	0.67	0.78	0.70	0.77	2.50	2.12	2.55	2.47	2.60	1.78	0.93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2003, BY WATER YEAR (WY)

MEAN	7381	7591	9670	12130	13600	16190	14200	10490	8144	8163	8346	7547
MAX	20150	22070	32410	35290	33880	33880	46240	29980	19110	19510	28040	20010
(WY)	1965	1948	1949	1993	1998	1944	1964	1964	2003	2003	1940	1964
MIN	2984	3284	4677	5067	5785	5687	4849	4192	4700	4178	4147	3597
(WY)	1942	1942	1953	1956	1989	2002	2000	1941	2002	1952	1951	1941

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1940 - 2003	
ANNUAL TOTAL	1886300		4295000			
ANNUAL MEAN	5168		11770		10270	
HIGHEST ANNUAL MEAN					18320	1964
LOWEST ANNUAL MEAN					5124	2002
HIGHEST DAILY MEAN	10200	Dec 27	29100	Mar 21	138000	Aug 18 1940
LOWEST DAILY MEAN	3920	Sep 14	4360	Oct 11	2120	Sep 9 1951
ANNUAL SEVEN-DAY MINIMUM	4040	Sep 8	4430	Oct 9	2490	Sep 9 1951
MAXIMUM PEAK FLOW			29300	Mar 21	141000	Aug 18 1940
MAXIMUM PEAK STAGE			17.34	Mar 21	27.00	Aug 18 1940
ANNUAL RUNOFF (CFSM)	0.60		1.36		1.19	
ANNUAL RUNOFF (INCHES)	8.11		18.47		16.14	
10 PERCENT EXCEEDS	5950		23400		19600	
50 PERCENT EXCEEDS	4890		8250		7570	
90 PERCENT EXCEEDS	4540		4660		4950	

02197560 SANDY RUN CREEK NEAR BLYTHE, GA

LOCATION.—Lat 33° 17' 56", long 82° 15' 13" referenced to North American Datum (NAD) of 1927, Richmond County, Hydrologic Unit 03060108, at US 1 bridge, 0.75 miles downstream of Euclid Claussen Pond, 1.1 miles east of Blythe.

DRAINAGE AREA.—33.2 square miles.

COOPERATION.—U.S. Army, Fort Gordon.

MISCELLANEOUS MEASUREMENTS

PERIOD OF RECORD.—February 10, 1999 to current year.

GAGE.—Standard USGS reference mark. Datum of gage is 290.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—None.

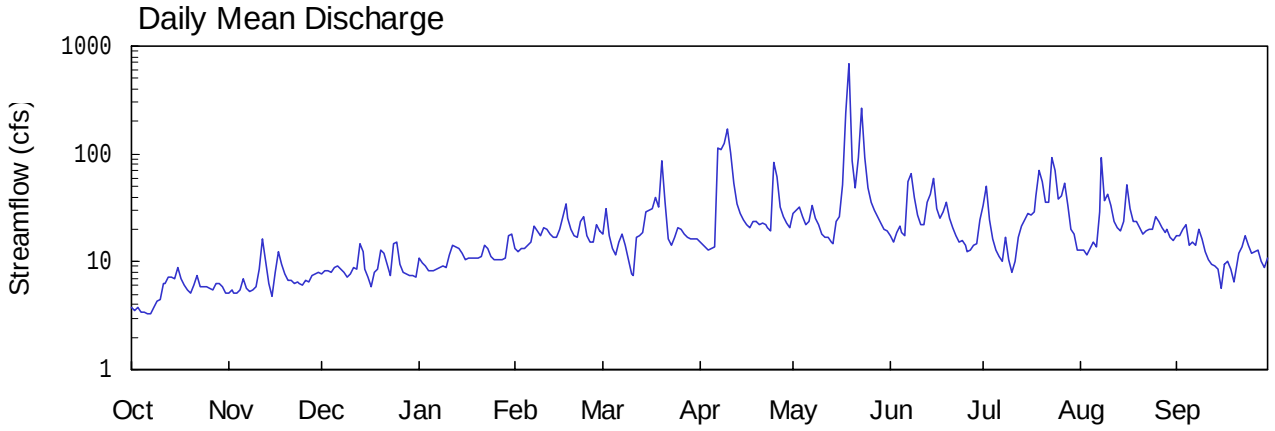
REMARKS.—Records fair. New bridge was constructed between measurements. Measurements for the current water year are as follows:

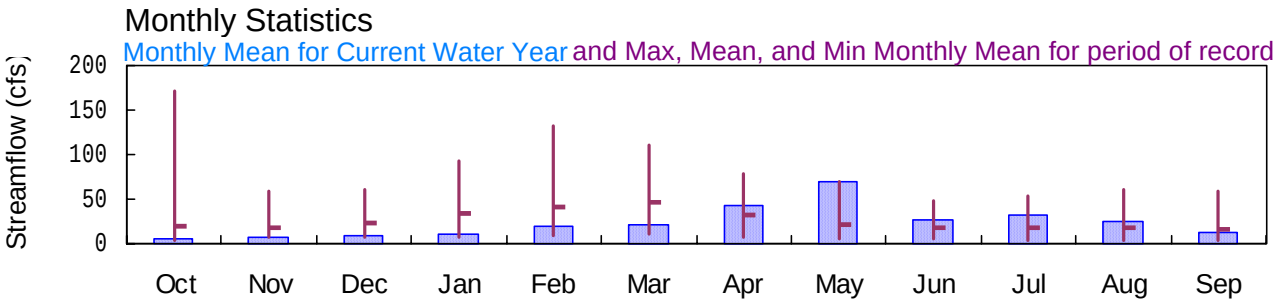
DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/03/02	1.55	10.2
08/19/03	23.68	29.4

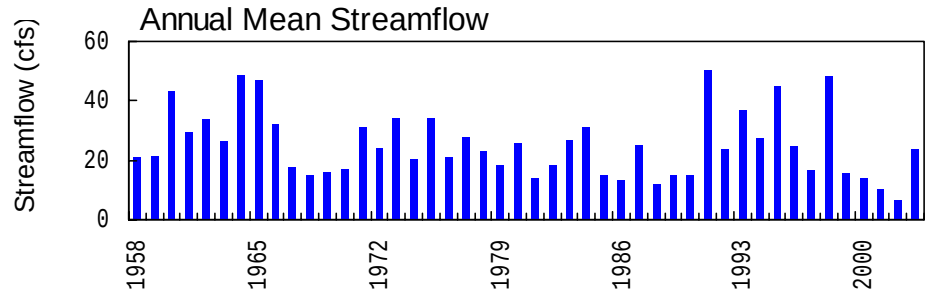
2003 Water Year

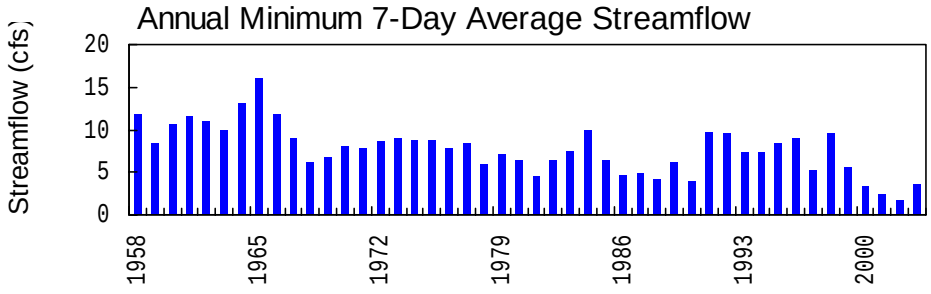
02197600 BRUSHY CREEK NEAR WRENS, GA

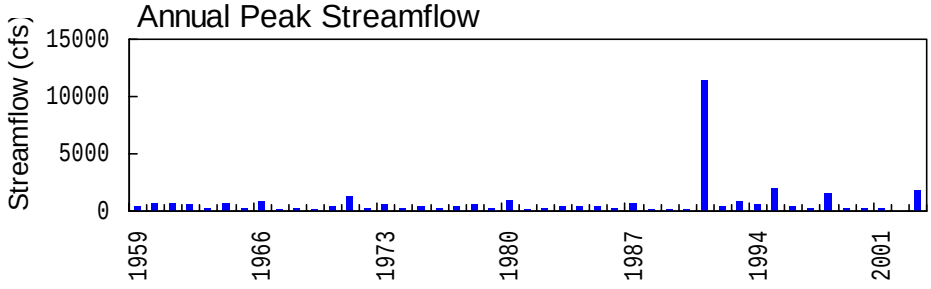
Latitude: 33°10'37" Longitude: 082°18'21" Hydrologic Unit Code: 03060108 Jefferson County
Drainage Area: 28.0 mi² Datum: 282.5 feet











SAVANNAH RIVER BASIN
2003 Water Year

02197600 BRUSHY CREEK NEAR WRENS, GA

LOCATION.—Lat 33°10'37", long 82°18'21" referenced to North American Datum (NAD) of 1927, Jefferson County, Hydrologic Unit 03060108, at right bank on downstream side of bridge on GA 80, 5.0 miles southeast of Wrens, and 5.5 miles upstream from Little Brushy Creek.

DRAINAGE AREA.—28.0 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1958 to current year.

GAGE.—Water-stage recorder. Datum of gage is 282.56 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by the Georgia Department of Transportation).

REMARKS.—Records poor. Discharge affected by beaver dams downstream of the gage. Moderate diurnal fluctuation occurs at low flow.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 300 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
04/07	2000	302	7.01
05/19	0345	1,830*	8.72*
05/23	0300	432	7.26

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1958 to current year.

GAGE.—Water-stage recorder. Datum of gage is 282.56 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by the Georgia Department of Transportation).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 8.72 feet, May 19; minimum gage-height recorded, 3.30 feet, September 19.

02197600 BRUSHY CREEK NEAR WRENS, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 5, 2002 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02197600 BRUSHY CREEK NEAR WRENS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 163
LATITUDE 331037 LONGITUDE 0821821 NAD27 DRAINAGE AREA 28.00* CONTRIBUTING DRAINAGE AREA DATUM 282.56 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	5.1	7.8	11	13	18	15	28	17	34	13	17
2	3.6	5.5	8.4	9.8	12	31	15	30	15	50	13	17
3	3.7	5.1	8.2	9.0	13	17	14	32	19	24	12	20
4	3.4	5.2	8.0	8.4	13	13	13	26	22	16	13	22
5	3.4	5.4	8.7	8.4	14	12	13	22	19	13	15	14
6	3.3	6.9	9.2	8.2	15	15	14	24	18	11	14	15
7	3.3	5.7	8.7	8.5	21	18	113	34	55	10	29	14
8	3.7	5.2	8.0	8.9	19	14	108	26	65	17	91	20
9	4.3	5.4	7.3	9.1	18	10	126	22	40	10	37	16
10	4.5	5.8	7.8	8.8	20	7.7	171	18	27	8.0	42	12
11	6.2	8.4	8.8	12	20	7.5	103	17	22	10	33	10
12	6.3	16	8.5	14	18	17	54	17	22	17	23	9.4
13	7.2	10	15	14	17	17	35	15	36	21	21	9.0
14	7.1	6.2	12	13	17	19	28	14	43	25	19	8.4
15	6.9	4.8	8.6	12	20	29	25	23	60	28	24	5.7
16	8.7	7.9	7.3	11	27	30	22	27	31	27	51	9.4
17	7.0	13	5.9	11	34	31	20	52	26	29	31	10
18	6.1	9.5	8.1	11	25	40	24	237	29	40	24	8.4
19	5.5	7.8	8.6	11	20	32	23	692	36	71	23	6.4
20	5.1	6.7	13	11	17	86	22	88	25	55	21	8.1
21	6.0	6.7	12	11	17	36	23	49	21	36	18	12
22	7.3	6.2	9.4	14	24	16	22	92	18	36	19	14
23	5.8	6.5	7.4	13	26	14	21	262	15	94	20	18
24	5.9	6.2	15	11	18	17	19	93	16	71	20	14
25	5.9	6.0	15	10	15	21	85	48	14	38	26	12
26	5.7	6.7	9.4	10	15	20	60	35	12	41	24	13
27	5.5	6.6	7.9	10	22	18	33	31	13	54	21	13
28	6.2	7.4	7.6	11	19	17	26	26	14	33	19	10
29	6.2	7.8	7.5	11	---	16	23	23	15	20	20	8.8
30	5.8	8.1	7.4	18	---	16	21	20	24	18	17	11
31	5.2	---	7.3	18	---	16	---	19	---	13	16	---
TOTAL	168.6	213.8	283.8	347.1	529	671.2	1291	2142	789	970.0	769	377.6
MEAN	5.44	7.13	9.15	11.2	18.9	21.7	43.0	69.1	26.3	31.3	24.8	12.6
MAX	8.7	16	15	18	34	86	171	692	65	94	91	22
MIN	3.3	4.8	5.9	8.2	12	7.5	13	14	12	8.0	12	5.7
CFSM	0.19	0.25	0.33	0.40	0.67	0.77	1.54	2.47	0.94	1.12	0.89	0.45
IN.	0.22	0.28	0.38	0.46	0.70	0.89	1.72	2.85	1.05	1.29	1.02	0.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2003, BY WATER YEAR (WY)

MEAN	19.4	18.3	22.5	34.2	41.6	45.6	32.3	21.5	18.2	17.6	17.4	15.5
MAX	171	58.6	60.2	92.7	133	110	78.8	69.2	48.3	53.1	61.5	59.6
(WY)	1991	1993	1965	1995	1995	1980	1962	1964	1994	1964	1964	1998
MIN	3.56	7.13	7.60	6.47	9.06	11.2	7.13	4.92	6.01	2.82	3.09	3.76
(WY)	2002	2003	2002	2002	2002	2002	2002	2001	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1958 - 2003	
ANNUAL TOTAL	2462.5		8552.1			
ANNUAL MEAN	6.75		23.4		25.2	
HIGHEST ANNUAL MEAN					50.1	1991
LOWEST ANNUAL MEAN					6.54	2002
HIGHEST DAILY MEAN	53	Feb 7	692	May 19	3800	Oct 12 1990
LOWEST DAILY MEAN	1.5	Jul 20	3.3	Oct 6	1.5	Jul 20 2002
ANNUAL SEVEN-DAY MINIMUM	1.6	Jul 16	3.5	Oct 2	1.6	Jul 16 2002
MAXIMUM PEAK FLOW			1830	May 19	11400	Oct 12 1990
MAXIMUM PEAK STAGE			8.72	May 19	14.02	Oct 12 1990
ANNUAL RUNOFF (CFSM)	0.24		0.84		0.90	
ANNUAL RUNOFF (INCHES)	3.27		11.36		12.24	
10 PERCENT EXCEEDS	11		37		45	
50 PERCENT EXCEEDS	6.2		15		16	
90 PERCENT EXCEEDS	2.8		6.2		7.8	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02197600 BRUSHY CREEK NEAR WRENS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 163
LATITUDE 331037 LONGITUDE 0821821 NAD27 DRAINAGE AREA 28.00* CONTRIBUTING DRAINAGE AREA DATUM 282.56 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.51	6.58	6.49	6.69	6.73	6.83	5.16	5.19	4.93	5.29	5.15	4.28
2	6.50	6.61	6.51	6.65	6.64	7.06	5.14	5.26	4.87	5.58	5.16	4.26
3	6.51	6.59	6.52	6.62	6.54	6.85	5.10	5.29	4.97	5.12	5.14	4.32
4	6.49	6.60	6.51	6.59	6.54	6.75	5.07	5.17	5.05	4.89	5.21	4.34
5	6.49	6.60	6.54	6.59	6.57	6.72	5.09	5.07	4.97	4.79	5.30	4.09
6	6.48	6.64	6.56	6.59	6.59	6.84	5.11	5.10	4.93	4.73	5.27	4.10
7	6.48	6.58	6.55	6.60	6.76	6.96	5.96	5.33	5.62	4.68	5.46	4.04
8	6.51	6.54	6.53	6.61	6.70	6.88	6.18	5.15	5.76	4.90	6.17	4.17
9	6.52	6.53	6.51	6.62	6.65	6.76	6.33	5.06	5.44	4.69	5.70	4.05
10	6.40	6.53	6.54	6.49	6.71	6.68	6.55	4.95	5.18	4.60	5.75	3.88
11	6.52	6.62	6.57	6.35	6.71	6.59	6.17	4.91	5.07	4.70	5.64	3.79
12	6.55	6.88	6.57	6.50	6.64	6.42	5.76	4.91	5.07	4.94	5.48	3.72
13	6.59	6.65	6.78	6.54	6.58	6.44	5.53	4.85	5.39	5.08	5.41	3.68
14	6.59	6.48	6.72	6.59	6.51	6.49	5.38	4.84	5.47	5.19	5.36	3.63
15	6.59	6.40	6.58	6.61	6.42	6.75	5.28	5.08	5.68	5.29	5.40	3.49
16	6.66	6.51	6.54	6.62	6.64	6.77	5.20	5.17	5.27	5.29	5.79	3.64
17	6.60	6.67	6.43	6.64	6.88	6.79	5.14	5.38	5.15	5.35	5.56	3.66
18	6.56	6.54	6.37	6.64	6.73	6.96	5.22	6.65	5.21	5.55	5.41	3.59
19	6.54	6.46	6.43	6.64	6.65	6.82	5.18	7.42	5.37	5.89	5.38	3.50
20	6.53	6.41	6.64	6.63	6.61	7.30	5.13	5.94	5.13	5.75	5.30	3.58
21	6.58	6.40	6.64	6.66	6.62	6.60	5.13	5.58	5.02	5.51	5.20	3.74
22	6.64	6.39	6.59	6.76	6.79	5.89	5.10	5.83	4.94	5.46	5.22	3.78
23	6.58	6.40	6.55	6.73	6.90	5.61	5.04	6.76	4.85	6.11	5.22	3.91
24	6.58	6.40	6.78	6.65	6.70	5.46	4.98	5.98	4.87	5.93	5.21	3.80
25	6.59	6.39	6.84	6.62	6.65	5.35	5.76	5.57	4.83	5.61	5.34	3.72
26	6.59	6.43	6.63	6.62	6.67	5.30	5.69	5.37	4.77	5.65	5.27	3.75
27	6.58	6.43	6.58	6.62	6.90	5.24	5.31	5.27	4.79	5.81	5.17	3.76
28	6.62	6.46	6.57	6.63	6.85	5.21	5.16	5.16	4.83	5.55	5.11	3.66
29	6.62	6.48	6.56	6.64	---	5.19	5.08	5.08	4.85	5.32	5.12	3.61
30	6.61	6.50	6.56	6.84	---	5.18	5.03	5.01	5.11	5.28	5.02	3.69
31	6.58	---	6.55	6.88	---	5.19	---	4.98	---	5.13	4.87	---
MEAN	6.55	6.52	6.57	6.63	6.67	6.32	5.40	5.40	5.11	5.28	5.35	3.84
MAX	6.66	6.88	6.84	6.88	6.90	7.30	6.55	7.42	5.76	6.11	6.17	4.34
MIN	6.40	6.39	6.37	6.35	6.42	5.18	4.98	4.84	4.77	4.60	4.87	3.49

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02197600 BRUSHY CREEK NEAR WRENS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 163
LATITUDE 331037 LONGITUDE 0821821 NAD27 DRAINAGE AREA 28.00* CONTRIBUTING DRAINAGE AREA DATUM 282.56 NGVD29

WORKING

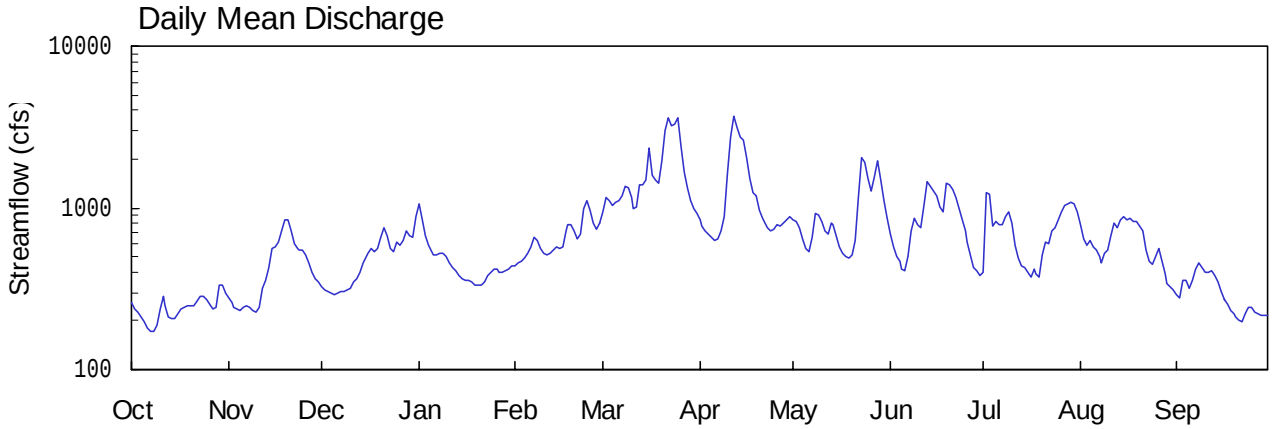
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

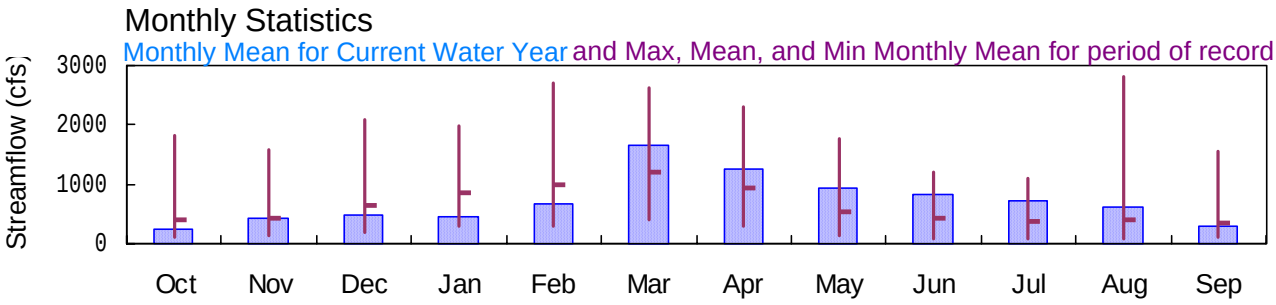
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	0.00	0.10	0.00	0.79	0.00	1.67	0.00	1.28	0.00	0.00
2	---	---	0.00	0.02	0.00	0.21	0.00	0.47	0.00	0.03	0.00	0.00
3	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.11	0.00
4	---	---	0.00	0.00	0.14	0.02	0.00	0.00	0.00	0.00	0.00	0.10
5	---	0.31	0.27	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
6	---	0.12	0.00	0.00	0.62	0.50	0.00	0.97	0.20	0.00	0.06	0.19
7	---	0.00	0.00	0.00	0.09	0.31	3.41	0.06	0.90	0.14	1.32	0.10
8	---	0.00	0.00	0.00	0.00	0.00	1.00	0.02	1.17	0.00	0.01	0.00
9	---	0.00	0.00	0.00	0.02	0.00	0.68	0.00	0.00	0.00	0.06	0.00
10	---	0.00	0.08	0.00	0.42	0.00	0.76	0.00	0.00	0.02	0.04	0.00
11	---	2.07	0.10	0.00	0.00	0.00	0.01	0.08	0.01	0.10	0.00	0.00
12	---	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.00	0.14	0.00
13	---	0.00	1.53	0.00	0.00	0.10	0.00	0.00	0.19	0.00	0.01	0.00
14	---	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.89	0.46	0.00	0.00
15	---	0.00	0.00	0.00	0.00	1.25	0.00	0.69	0.00	0.00	1.26	0.00
16	---	1.36	0.00	0.14	1.11	0.00	0.00	0.12	0.08	0.00	0.01	0.00
17	---	0.19	0.00	0.00	0.14	0.73	0.23	2.47	0.00	0.75	0.01	0.00
18	---	0.00	0.00	0.00	0.00	0.02	0.08	1.73	0.79	0.70	0.27	0.00
19	---	0.00	0.04	0.00	0.00	0.92	0.00	0.01	0.00	0.12	0.01	0.00
20	---	0.00	0.61	0.00	0.00	1.96	0.00	0.00	0.00	0.00	0.00	0.00
21	---	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
22	---	0.00	0.00	1.03	0.68	0.00	0.00	1.84	0.00	1.06	0.63	0.18
23	---	0.00	0.00	0.00	0.02	0.00	0.00	0.18	0.00	0.72	0.00	0.13
24	---	0.00	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	---	0.00	0.01	0.00	0.00	0.00	2.10	0.00	0.00	0.00	0.00	0.00
26	---	0.00	0.00	0.00	0.38	0.00	0.00	0.04	0.00	0.47	0.00	0.00
27	---	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.00	0.06	0.00	0.00
28	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00
29	---	0.00	0.00	0.01	---	0.00	0.00	0.00	0.44	0.03	0.00	0.00
30	---	0.00	0.00	1.29	---	0.10	0.00	0.00	0.02	0.00	0.00	0.00
31	---	---	0.50	0.00	---	0.00	---	0.00	---	0.00	0.01	---
TOTAL	---	---	4.77	2.59	4.17	6.98	8.27	10.35	6.21	5.94	3.95	0.70

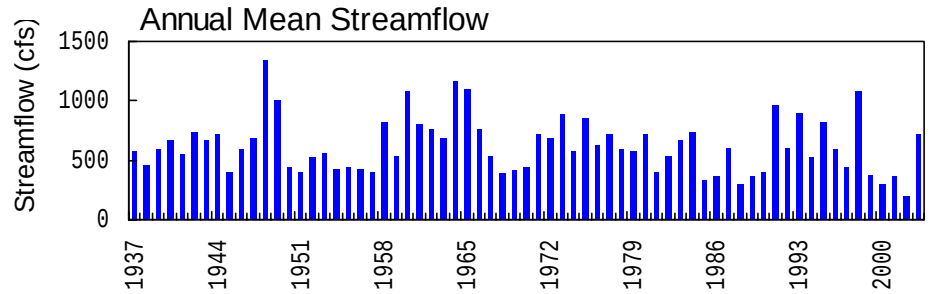
2003 Water Year

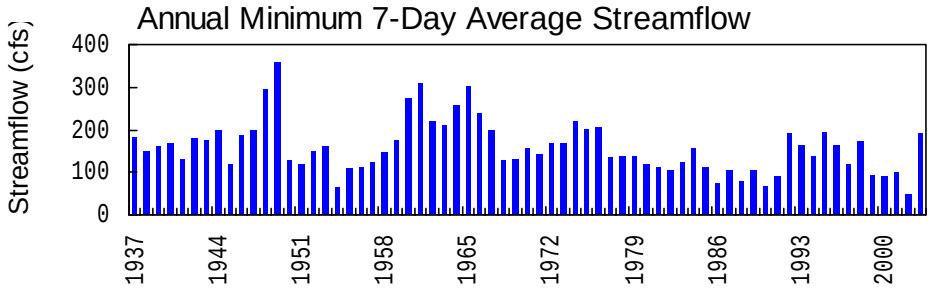
02198000 BRIER CREEK AT MILLHAVEN, GA

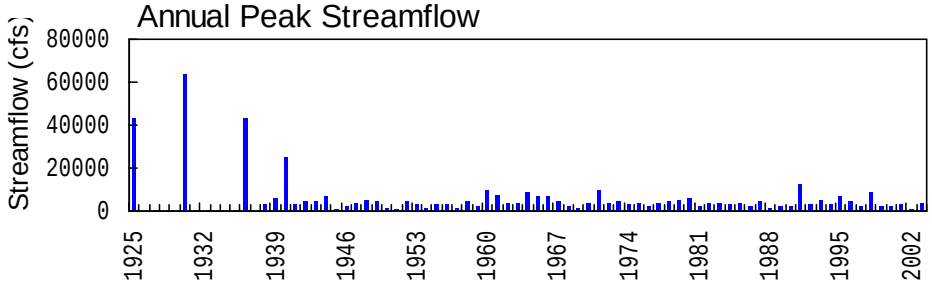
Latitude: 32°56'00" Longitude: 081°39'05" Hydrologic Unit Code: 03060108 Screven County
Drainage Area: 646 mi² Datum: 95.8 feet

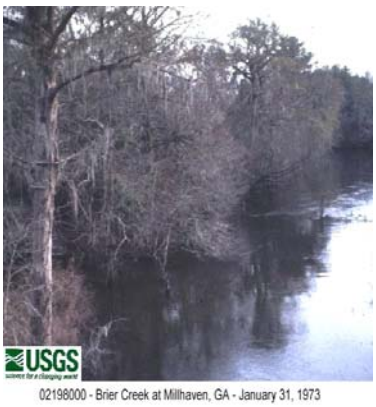












SAVANNAH RIVER BASIN
2003 Water Year

02198000 BRIER CREEK AT MILLHAVEN, GA

LOCATION.—Lat 32°56'00", long 81°39'05" referenced to North American Datum (NAD) of 1927, Screven County, Hydrologic Unit 03060108, near right bank on downstream side of pier of Girard-Millhaven Road bridge at Millhaven, 8.5 miles upstream from Beaverdam Creek.

DRAINAGE AREA.—646 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1936 to current year. Monthly discharges only for October 1936 to April 1937, published in WSP 1303.

REVISED RECORDS.—WSP 1383: Drainage area. WSP 1503: 1956.

GAGE.—Water-stage recorder. Datum of gage is 95.88 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to June 7, 1950, a non-recording gage was located at a site 200.00 feet downstream at same datum. From June 7, 1950 to April 30, 1951, a non-recording gage was located at present site and datum.

REMARKS.—Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1797, 25.1 feet in September or October 1929, from information provided by the Georgia Department of Transportation; discharge, 64,000 cfs, by slope-conveyance study.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/16	0745	2,540	9.13
03/22	1430	3,780	10.53
03/25	0145	4,070*	10.79*
04/12	0915	3,840	10.58
05/23	1800	2,170	8.59
05/28	0345	2,060	8.42

02198000 BRIER CREEK AT MILLHAVEN, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1936 to current year. Monthly discharges only for October 1936 to April 1937, published in WSP 1303.

REVISED RECORDS.—WSP 1383: Drainage area. WSP 1503: 1956.

GAGE.—Water-stage recorder. Datum of gage is 95.88 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to June 7, 1950, a non-recording gage was located at a site 200.00 feet downstream at same datum. From June 7, 1950 to April 30, 1951, a non-recording gage was located at present site and datum.

REMARKS.—Records good.

EXTREMES FOR CURENT YEAR.—Maximum gage-height recorded, 10.79 feet, March 25; minimum gage-height recorded, 1.18 feet, October 8.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198000 BRIER CREEK AT MILLHAVEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 251
LATITUDE 325600 LONGITUDE 0813905 NAD27 DRAINAGE AREA 646 CONTRIBUTING DRAINAGE AREA 646* DATUM 95.88 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	262	280	327	1060	433	955	838	851	693	399	794	293
2	237	260	312	840	456	1150	772	824	569	1250	643	280
3	224	242	302	676	469	1110	725	749	501	1220	586	356
4	210	234	295	586	486	1030	687	644	466	778	633	353
5	196	234	293	542	522	1090	653	557	420	825	577	315
6	181	243	300	517	572	1120	630	531	406	792	548	353
7	173	249	305	507	650	1200	637	657	497	780	497	422
8	172	240	306	519	627	1360	722	934	720	881	460	460
9	190	233	309	525	558	1330	875	912	854	951	522	431
10	239	229	321	501	529	1150	1650	822	792	800	546	395
11	283	242	347	461	518	997	2720	723	755	593	666	402
12	251	316	364	426	525	1010	3690	688	1040	485	805	406
13	213	358	398	404	552	1390	3120	799	1470	441	760	385
14	205	428	459	383	574	1390	2740	788	1350	425	834	344
15	206	558	481	368	562	1470	2650	669	1270	398	875	302
16	222	571	523	359	571	2340	2060	578	1190	376	845	273
17	236	620	559	355	716	1580	1530	520	1010	417	859	251
18	241	724	541	346	786	1470	1250	497	941	394	830	234
19	246	836	566	336	786	1430	1180	492	1420	376	827	223
20	248	850	655	331	720	1940	961	506	1390	511	775	212
21	248	722	754	332	645	2990	859	627	1310	616	720	203
22	265	606	678	347	693	3590	796	1170	1150	604	544	199
23	282	559	567	383	988	3230	748	2040	984	726	463	224
24	285	546	541	403	1110	3310	717	1910	852	757	443	241
25	273	546	608	419	967	3630	741	1520	726	844	499	241
26	253	514	590	417	813	2400	795	1260	616	940	567	228
27	239	452	624	403	742	1680	769	1560	511	1030	468	219
28	243	399	715	400	808	1320	803	1950	427	1060	394	216
29	334	368	677	409	---	1100	839	1500	409	1090	343	218
30	330	347	652	422	---	981	875	1110	384	1060	325	218
31	296	---	881	435	---	920	---	855	---	953	313	---
TOTAL	7483	13006	15250	14412	18378	51663	38032	29243	25123	22772	18961	8897
MEAN	241	434	492	465	656	1667	1268	943	837	735	612	297
MAX	334	850	881	1060	1110	3630	3690	2040	1470	1250	875	460
MIN	172	229	293	331	433	920	630	492	384	376	313	199
CFSM	0.37	0.67	0.76	0.72	1.02	2.58	1.96	1.46	1.30	1.14	0.95	0.46
IN.	0.43	0.75	0.88	0.83	1.06	2.98	2.19	1.68	1.45	1.31	1.09	0.51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2003, BY WATER YEAR (WY)

MEAN	397	430	635	844	1001	1195	926	541	418	373	399	339
MAX	1814	1580	2091	1990	2709	2635	2304	1759	1211	1103	2817	1544
(WY)	1991	1948	1949	1993	1960	1948	1961	1964	1973	1941	1940	1964
MIN	103	141	193	284	304	410	294	125	88.0	87.0	69.1	102
(WY)	2002	2002	2002	2002	1989	2002	1985	2002	2002	2002	2002	1954

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1937 - 2003	
ANNUAL TOTAL	93653		263220			
ANNUAL MEAN	257		721		622	
HIGHEST ANNUAL MEAN					1339	1948
LOWEST ANNUAL MEAN					195	2002
HIGHEST DAILY MEAN	881	Dec 31	3690	Apr 12	22100	Aug 16 1940
LOWEST DAILY MEAN	45	Aug 17	172	Oct 8	45	Aug 17 2002
ANNUAL SEVEN-DAY MINIMUM	48	Aug 11	192	Oct 3	48	Aug 11 2002
MAXIMUM PEAK FLOW			4070	Mar 25	25400	Aug 16 1940
MAXIMUM PEAK STAGE			10.79	Mar 25	17.40	Aug 16 1940
INSTANTANEOUS LOW FLOW					62	Jul 9 1990
ANNUAL RUNOFF (CFSM)	0.40		1.12		0.96	
ANNUAL RUNOFF (INCHES)	5.39		15.16		13.09	
10 PERCENT EXCEEDS	508		1310		1250	
50 PERCENT EXCEEDS	243		567		448	
90 PERCENT EXCEEDS	67		243		182	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198000 BRIER CREEK AT MILLHAVEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 251
LATITUDE 325600 LONGITUDE 0813905 NAD27 DRAINAGE AREA 646 CONTRIBUTING DRAINAGE AREA 646* DATUM 95.88 NGVD29

APPROVED

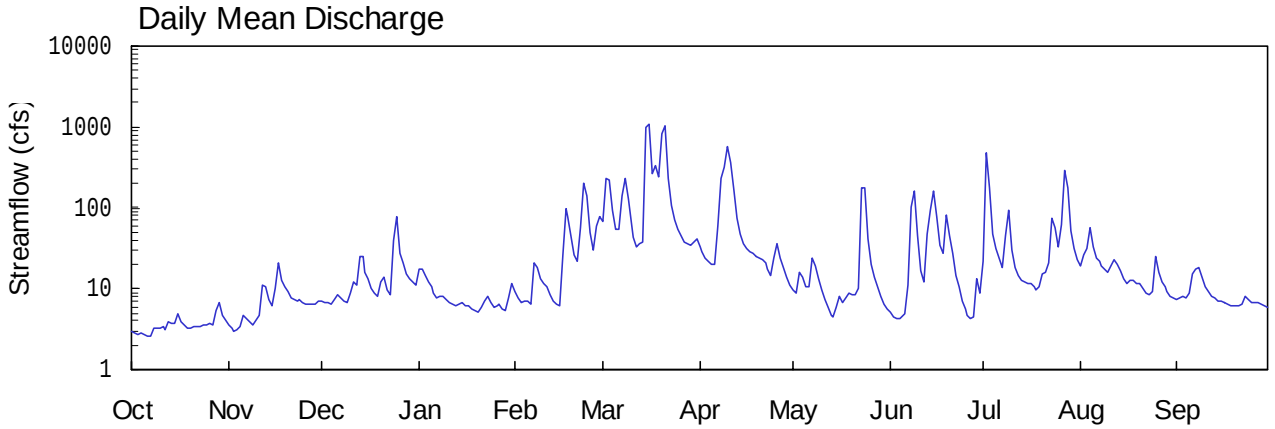
Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

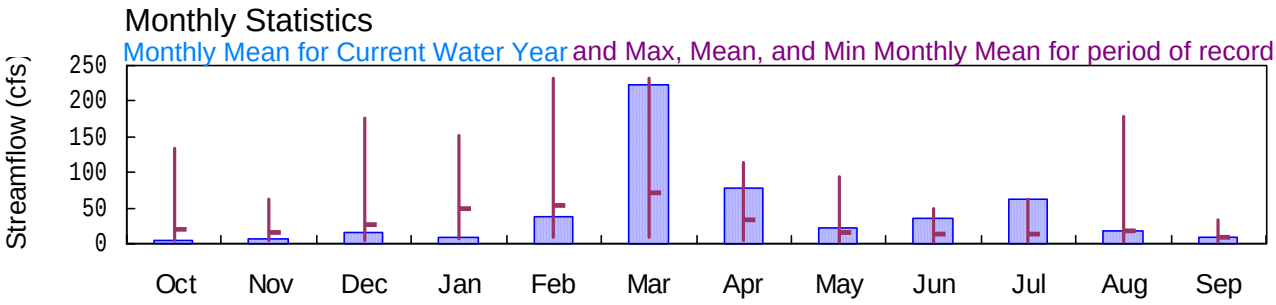
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.36	2.43	2.86	6.52	3.75	6.04	5.52	5.57	4.96	3.50	5.35	2.69
2	2.09	2.23	2.72	5.84	3.92	6.60	5.26	5.47	4.46	6.65	4.78	2.56
3	1.93	2.03	2.63	5.21	4.01	6.48	5.07	5.17	4.11	6.67	4.55	3.20
4	1.75	1.96	2.57	4.78	4.12	6.26	4.93	4.78	3.92	5.28	4.74	3.19
5	1.57	1.95	2.55	4.51	4.34	6.42	4.82	4.41	3.65	5.47	4.51	2.90
6	1.37	2.05	2.61	4.35	4.63	6.50	4.74	4.28	3.55	5.34	4.36	3.19
7	1.25	2.11	2.66	4.29	5.02	6.70	4.76	4.82	4.09	5.30	4.10	3.65
8	1.23	2.02	2.67	4.36	4.91	7.10	5.06	5.85	5.06	5.67	3.89	3.89
9	1.45	1.94	2.70	4.40	4.54	7.03	5.63	5.78	5.58	5.91	4.23	3.71
10	2.01	1.90	2.81	4.24	4.37	6.57	7.62	5.46	5.34	5.37	4.35	3.48
11	2.45	2.04	3.04	3.97	4.29	6.12	9.34	5.07	5.20	4.56	4.86	3.53
12	2.12	2.76	3.19	3.71	4.34	6.14	10.44	4.94	6.17	4.03	5.39	3.55
13	1.72	3.13	3.48	3.52	4.49	7.15	9.84	5.37	7.30	3.78	5.22	3.41
14	1.63	3.71	3.95	3.35	4.62	7.16	9.39	5.33	7.03	3.68	5.50	3.13
15	1.64	4.61	4.11	3.22	4.55	7.28	9.26	4.87	6.84	3.50	5.66	2.78
16	1.82	4.69	4.38	3.14	4.58	8.84	8.40	4.51	6.63	3.35	5.54	2.49
17	1.98	4.96	4.62	3.11	5.24	7.56	7.43	4.22	6.08	3.62	5.60	2.28
18	2.03	5.41	4.50	3.02	5.51	7.33	6.78	4.09	5.88	3.47	5.49	2.09
19	2.08	5.84	4.66	2.93	5.51	7.23	6.59	4.07	7.18	3.35	5.48	1.97
20	2.10	5.89	5.12	2.90	5.24	8.15	5.94	4.15	7.12	4.16	5.28	1.85
21	2.10	5.40	5.53	2.91	4.92	9.70	5.60	4.69	6.94	4.69	5.07	1.74
22	2.27	4.89	5.22	3.04	5.11	10.34	5.36	6.50	6.51	4.62	4.34	1.70
23	2.44	4.62	4.66	3.35	6.16	9.96	5.17	8.37	6.02	5.08	3.91	1.98
24	2.48	4.53	4.50	3.52	6.53	10.02	5.04	8.16	5.57	5.21	3.79	2.17
25	2.35	4.54	4.92	3.64	6.10	10.37	5.14	7.42	5.08	5.54	4.10	2.16
26	2.15	4.33	4.81	3.63	5.57	8.91	5.36	6.79	4.67	5.87	4.45	2.03
27	2.01	3.90	4.97	3.52	5.29	7.73	5.25	7.45	4.17	6.15	3.93	1.93
28	2.04	3.48	5.38	3.50	5.54	6.95	5.38	8.24	3.69	6.26	3.47	1.90
29	2.92	3.22	5.22	3.57	---	6.38	5.53	7.35	3.58	6.34	3.12	1.91
30	2.89	3.04	5.12	3.67	---	6.00	5.66	6.39	3.41	6.24	2.99	1.91
31	2.58	---	5.96	3.77	---	5.81	---	5.57	---	5.92	2.88	---
MEAN	2.03	3.52	4.00	3.85	4.90	7.45	6.34	5.65	5.33	4.99	4.55	2.63
MAX	2.92	5.89	5.96	6.52	6.53	10.37	10.44	8.37	7.30	6.67	5.66	3.89
MIN	1.23	1.90	2.55	2.90	3.75	5.81	4.74	4.07	3.41	3.35	2.88	1.70

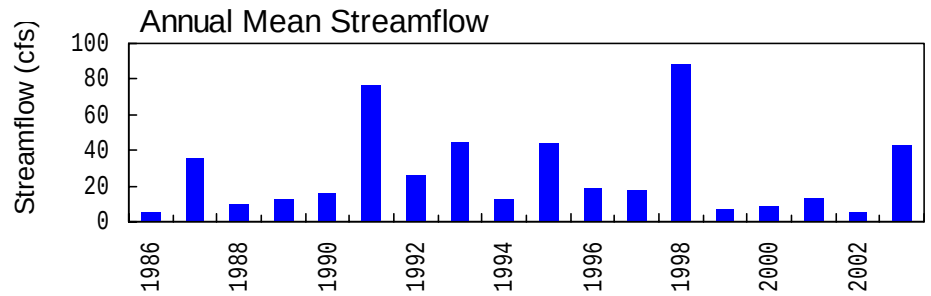
2003 Water Year

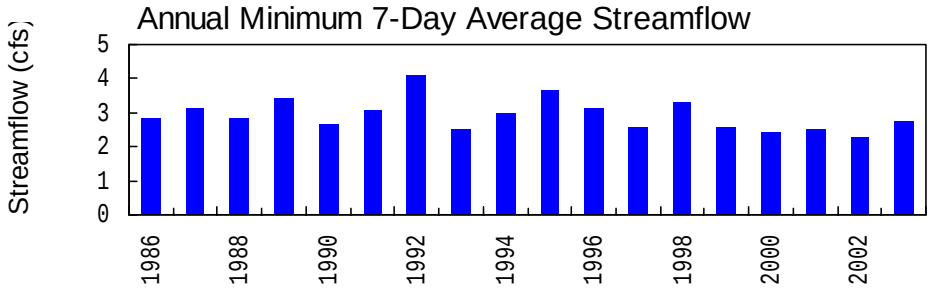
02198100 BEAVERDAM CREEK NEAR SARDIS, GA

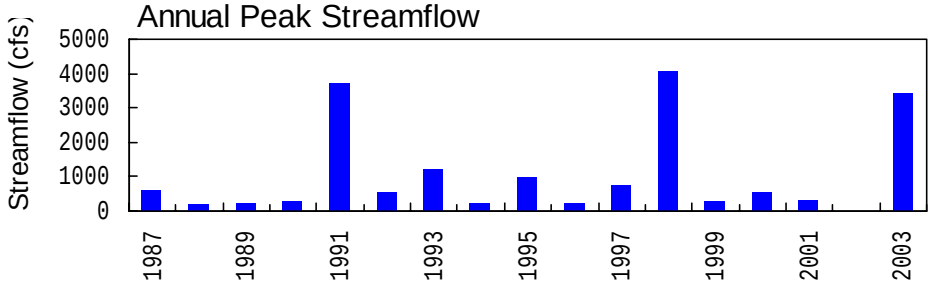
Latitude: 32°56'15" Longitude: 081°48'56" Hydrologic Unit Code: 03060108 Burke County
Drainage Area: 30.8 mi² Datum: 186.4 feet











02198100 Beaverdam Creek near Sardis, GA
September 4, 1991

SAVANNAH RIVER BASIN
2003 Water Year

02198100 BEAVERDAM CREEK NEAR SARDIS, GA

LOCATION.—Lat 32°56'15", long 81°48'56" referenced to North American Datum (NAD) of 1927, Burke-Jenkins County line, Hydrologic Unit 03060108, at downstream side of bridge on GA 23, 0.8 miles downstream from Slough Branch, and 4.2 miles southwest of Sardis.

DRAINAGE AREA.—30.8 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 1986 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 186.48 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 400 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
03/15	2115	3,420*	8.28*
03/20	1945	1,900	7.63
04/10	1200	635	6.56
07/02	0645	775	6.75

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 1986 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 186.48 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 8.28 feet, March 15; minimum gage-height recorded, 1.27 feet, October 6.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198100 BEAVERDAM CREEK NEAR SARDIS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 033
LATITUDE 325615 LONGITUDE 0814856 NAD27 DRAINAGE AREA 30.80* CONTRIBUTING DRAINAGE AREA DATUM 186.48 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	3.5	6.9	17	9.3	68	33	9.6	5.0	21	19	7.4
2	2.8	3.2	6.7	17	7.6	230	28	8.7	4.5	481	27	7.5
3	2.8	3.0	6.6	15	6.8	225	24	16	4.2	179	31	8.0
4	2.8	3.2	6.3	12	7.0	95	22	14	4.3	47	57	7.6
5	2.7	3.4	7.4	11	7.1	54	20	11	4.6	31	33	8.9
6	2.6	4.7	8.4	8.9	6.5	55	20	11	4.9	24	23	15
7	2.6	4.3	7.7	7.7	21	138	60	24	11	18	22	17
8	3.2	3.8	7.2	8.0	19	229	227	19	101	46	19	18
9	3.2	3.5	6.6	8.0	14	130	314	14	161	93	18	14
10	3.3	4.1	8.6	7.4	12	63	567	9.6	44	30	16	11
11	3.4	4.8	12	6.8	11	43	360	7.4	17	19	19	9.2
12	3.1	11	11	6.5	8.4	32	170	5.9	12	15	23	8.2
13	3.9	11	25	6.2	7.1	36	74	4.8	48	13	20	7.6
14	3.8	7.3	26	6.4	6.4	37	48	4.4	95	12	16	7.2
15	3.7	6.0	16	6.7	6.2	978	37	5.9	164	11	13	6.9
16	4.8	10	13	6.1	27	1100	31	7.9	76	12	12	6.7
17	4.0	21	10	6.1	96	267	29	6.7	34	11	13	6.4
18	3.5	13	8.7	5.7	77	339	28	7.8	28	9.6	13	6.3
19	3.3	10	7.9	5.4	46	242	25	8.6	83	10	12	6.2
20	3.3	9.1	12	5.2	26	840	24	8.3	46	15	11	6.1
21	3.3	7.9	14	5.8	22	1030	23	8.3	27	16	10	6.1
22	3.4	7.4	9.9	7.1	56	229	21	10	14	21	9.0	6.5
23	3.4	7.0	8.3	8.1	204	107	17	176	10	73	8.4	8.1
24	3.6	7.5	40	6.7	139	72	15	175	7.2	56	9.3	7.3
25	3.6	6.8	77	5.9	48	53	24	41	5.7	33	25	6.8
26	3.7	6.5	28	6.0	31	45	36	20	4.8	63	16	6.7
27	3.6	6.3	21	6.4	59	38	24	14	4.2	291	12	6.6
28	5.3	6.3	15	5.6	77	36	18	11	4.4	176	10	6.3
29	6.8	6.4	13	5.3	---	34	14	8.2	14	51	9.1	6.1
30	4.7	7.0	12	7.7	---	38	11	6.4	8.7	31	8.1	6.0
31	4.0	---	11	12	---	42	---	5.7	---	23	7.6	---
TOTAL	111.2	209.0	463.2	249.7	1057.4	6925	2344	680.2	1047.5	1931.6	541.5	251.7
MEAN	3.59	6.97	14.9	8.05	37.8	223	78.1	21.9	34.9	62.3	17.5	8.39
MAX	6.8	21	77	17	204	1100	567	176	164	481	57	18
MIN	2.6	3.0	6.3	5.2	6.2	32	11	4.4	4.2	9.6	7.6	6.0
CFSM	0.12	0.23	0.49	0.26	1.23	7.25	2.54	0.71	1.13	2.02	0.57	0.27
IN.	0.13	0.25	0.56	0.30	1.28	8.36	2.83	0.82	1.27	2.33	0.65	0.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2003, BY WATER YEAR (WY)

MEAN	20.2	16.0	25.8	49.6	54.5	71.8	32.7	14.6	13.7	12.4	18.2	8.33
MAX	135	63.5	176	153	232	233	114	92.8	49.1	62.3	179	34.5
(WY)	1991	1993	1998	1998	1998	1998	1998	1991	1992	2003	1991	1992
MIN	3.46	4.84	4.95	6.03	8.04	8.84	4.30	3.14	3.23	2.93	2.73	3.17
(WY)	2001	1994	1999	2002	2002	1999	2002	2002	1990	2000	2002	1993

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1986 - 2003	
ANNUAL TOTAL	2106.0		15812.0			
ANNUAL MEAN	5.77		43.3		28.2	
HIGHEST ANNUAL MEAN					88.0	1998
LOWEST ANNUAL MEAN					4.99	2002
HIGHEST DAILY MEAN	77	Dec 25	1100	Mar 16	3010	Mar 9 1998
LOWEST DAILY MEAN	2.1	Apr 24	2.6	Oct 6	2.1	Apr 24 2002
ANNUAL SEVEN-DAY MINIMUM	2.3	Jun 6	2.8	Oct 1	2.3	Jun 6 2002
MAXIMUM PEAK FLOW			3420	Mar 15	4070	Mar 9 1998
MAXIMUM PEAK STAGE			8.28	Mar 15	8.49	Mar 9 1998
INSTANTANEOUS LOW FLOW					2.1	Jul 22 2000
ANNUAL RUNOFF (CFSM)	0.19		1.41		0.91	
ANNUAL RUNOFF (INCHES)	2.54		19.10		12.43	
10 PERCENT EXCEEDS	10		77		59	
50 PERCENT EXCEEDS	3.9		11		7.3	
90 PERCENT EXCEEDS	2.5		4.2		3.3	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198100 BEAVERDAM CREEK NEAR SARDIS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 033
LATITUDE 325615 LONGITUDE 0814856 NAD27 DRAINAGE AREA 30.80* CONTRIBUTING DRAINAGE AREA DATUM 186.48 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.33	1.48	1.84	2.39	2.01	3.95	3.09	2.02	1.68	2.23	2.16	1.47
2	1.32	1.47	1.83	2.39	1.89	5.38	2.91	1.96	1.63	6.21	2.51	1.48
3	1.31	1.47	1.82	2.27	1.83	5.37	2.74	2.36	1.61	4.96	2.66	1.52
4	1.32	1.50	1.79	2.17	1.85	4.33	2.66	2.27	1.62	3.22	3.51	1.49
5	1.31	1.52	1.87	2.08	1.85	3.70	2.57	2.09	1.64	2.68	2.77	1.57
6	1.29	1.66	1.95	1.99	1.81	3.71	2.56	2.08	1.66	2.38	2.36	1.95
7	1.29	1.62	1.90	1.90	2.52	4.72	3.35	2.74	2.10	2.11	2.30	2.06
8	1.36	1.57	1.86	1.92	2.44	5.39	5.35	2.53	4.27	3.08	2.16	2.09
9	1.36	1.54	1.82	1.92	2.23	4.68	5.76	2.25	4.94	4.12	2.09	1.87
10	1.37	1.59	1.96	1.88	2.14	3.89	6.44	2.02	3.36	2.64	1.99	1.69
11	1.39	1.66	2.17	1.83	2.08	3.39	5.94	1.87	2.42	2.13	2.16	1.59
12	1.35	2.09	2.10	1.81	1.95	3.07	5.00	1.75	2.17	1.91	2.35	1.53
13	1.43	2.09	2.63	1.79	1.86	3.17	4.09	1.66	3.46	1.82	2.18	1.49
14	1.43	1.87	2.69	1.80	1.80	3.22	3.53	1.62	4.32	1.77	2.01	1.45
15	1.42	1.77	2.34	1.82	1.79	5.37	3.21	1.75	4.96	1.74	1.83	1.43
16	1.53	2.01	2.20	1.78	2.54	6.91	3.02	1.90	4.04	1.75	1.75	1.42
17	1.44	2.53	2.05	1.78	4.27	5.60	2.92	1.82	3.10	1.68	1.81	1.40
18	1.39	2.19	1.97	1.74	3.95	5.91	2.90	1.90	2.85	1.62	1.81	1.38
19	1.38	2.07	1.92	1.72	3.27	5.46	2.77	1.96	4.21	1.67	1.76	1.37
20	1.37	2.00	2.15	1.70	2.72	6.32	2.73	1.93	3.48	1.96	1.74	1.37
21	1.38	1.91	2.23	1.75	2.56	6.88	2.70	1.93	2.86	2.00	1.65	1.37
22	1.39	1.88	2.04	1.85	3.37	5.37	2.61	2.01	2.30	2.18	1.58	1.40
23	1.38	1.85	1.94	1.93	5.24	4.50	2.44	4.95	2.07	3.87	1.54	1.52
24	1.41	1.89	2.87	1.82	4.68	4.06	2.30	5.01	1.85	3.48	1.60	1.46
25	1.40	1.84	3.88	1.76	3.40	3.68	2.70	3.29	1.73	2.75	2.41	1.43
26	1.41	1.81	2.78	1.77	2.93	3.47	3.19	2.56	1.66	3.45	1.97	1.41
27	1.40	1.80	2.54	1.80	3.66	3.24	2.73	2.28	1.61	5.71	1.77	1.41
28	1.54	1.79	2.31	1.74	4.11	3.17	2.49	2.10	1.62	4.97	1.67	1.39
29	1.70	1.80	2.22	1.71	---	3.12	2.28	1.93	2.25	3.34	1.59	1.37
30	1.55	1.85	2.15	1.88	---	3.24	2.12	1.79	1.96	2.68	1.52	1.36
31	1.51	---	2.12	2.14	---	3.38	---	1.73	---	2.32	1.49	---
MEAN	1.40	1.80	2.19	1.90	2.74	4.44	3.30	2.26	2.65	2.85	2.02	1.52
MAX	1.70	2.53	3.88	2.39	5.24	6.91	6.44	5.01	4.96	6.21	3.51	2.09
MIN	1.29	1.47	1.79	1.70	1.79	3.07	2.12	1.62	1.61	1.62	1.49	1.36

SAVANNAH RIVER BASIN
2003 Water Year

02198500 SAVANNAH RIVER NEAR CLYO, GA

LOCATION.—Lat 32°31'41", long 81°16'08" referenced to North American Datum (NAD) of 1927, Effingham County, GA-Jasper County, SC, Hydrologic Unit 03060109, at Georgia-South Carolina State Line, on downstream side of State Highway 119 bridge, 3.0 miles north of Clyo, and at mile 61.4.

DRAINAGE AREA.—9,850 square miles, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1929 to September 1933, October 1937 to current year. Gage-height records collected at same site 1921-43 by National Weather Service (unpublished prior to 1933).

REVISED RECORDS.—WSP 1112: 1940.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 13.39 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to January 31, 1933, a non-recording gage was located at the same site and at datum 4.00 feet higher. From January 31, 1933 to June 12, 1945, a non-recording gage was located at the same site and datum.

REMARKS.—Records good, except for estimated daily discharges, which are fair. Flow is regulated by Thurmond Lake (see station 02194500), and by other power plants above the station. This station is operated by the USGS, South Carolina District. For more information, please check http://sc.water.usgs.gov.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198500 SAVANNAH RIVER NEAR CLYO, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 323141 LONGITUDE 0811608 NAD27 DRAINAGE AREA 9850* CONTRIBUTING DRAINAGE AREA DATUM 13.39 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5410	4910	5350	7420	5870	10300	25900	15100	23300	15900	22400	13000
2	5320	4940	5300	7560	6270	10800	26700	15000	23600	13800	20500	12400
3	5120	4910	5200	7190	6740	11200	26500	15100	23600	13200	17700	11100
4	4960	5000	5090	7000	7060	11300	e25000	15400	24200	13700	15400	9840
5	4910	5010	5110	6910	6840	11200	e19000	15800	e25300	14600	14100	8780
6	5030	4940	5130	6850	6430	e11200	e15000	16200	e25700	15500	13400	8730
7	5050	4950	5120	7040	6160	e9990	e12700	16400	e26100	16500	13500	8780
8	4980	4930	5090	6920	6580	e9700	11600	e16100	e26400	17400	14000	9090
9	4910	4890	5110	6580	7020	e11300	11400	e15100	e26700	18200	14800	8890
10	4900	4950	5140	6370	7480	e13100	12600	e15200	26300	19200	15400	8680
11	4830	4970	5270	6380	7330	14000	13800	e15300	25700	21100	16000	8080
12	4780	5010	5400	6430	6790	14700	14900	e15400	24800	24000	16300	7680
13	4790	5210	5530	6230	7000	15400	16400	15900	23500	27000	16400	7760
14	4840	5740	5660	6060	7520	16100	18400	16800	22500	29000	16300	7590
15	4810	6270	6030	6040	7560	17000	21700	18000	21700	30100	16100	7760
16	4790	6610	6960	6170	7370	18000	26100	20000	20800	30600	16100	7780
17	4800	6920	8510	6050	6960	19300	29900	23000	20200	30100	16700	7270
18	4920	6720	8910	5870	6950	21700	31900	26300	20000	28600	16700	7340
19	5010	6690	8130	5710	7930	24800	31700	28000	20400	26200	16500	8100
20	4930	6770	7060	5710	9150	28200	30500	28300	20800	24000	16400	8590
21	4830	6780	6520	6040	9180	31200	29200	27900	20900	21300	16100	8580
22	4830	6790	6340	6040	8230	34300	27900	27300	20700	18800	15800	8140
23	4970	6660	6320	5870	7730	37800	26500	26600	20900	16800	15500	7590
24	5050	6170	6890	5860	7870	39600	24600	25000	21100	15800	15000	7190
25	4950	5720	7230	5900	8300	38900	22600	23300	21300	15500	14500	7420
26	4890	5500	7280	6010	9330	37100	20300	22100	21100	15600	13800	7620
27	4830	5450	8450	5860	9940	35200	18100	21300	20400	16200	13300	7370
28	4840	5470	10300	5790	9940	33000	16800	20800	19600	17400	13100	7140
29	4900	5540	11100	6020	---	30200	16000	20500	19300	19500	13200	7290
30	4890	5480	10000	5860	---	27600	15500	21000	18100	22000	13200	7400
31	4880	---	8160	5730	---	26100	---	22300	---	23000	13100	---
TOTAL	152950	169900	207690	195470	211530	670290	639200	620500	675000	630600	481300	252980
MEAN	4934	5663	6700	6305	7555	21620	21310	20020	22500	20340	15530	8433
MAX	5410	6920	11100	7560	9940	39600	31900	28300	26700	30600	22400	13000
MIN	4780	4890	5090	5710	5870	9700	11400	15000	18100	13200	13100	7140
CFSM	0.50	0.57	0.68	0.64	0.77	2.20	2.16	2.03	2.28	2.07	1.58	0.86
IN.	0.58	0.64	0.78	0.74	0.80	2.53	2.41	2.34	2.55	2.38	1.82	0.96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2003, BY WATER YEAR (WY)

MEAN	9060	8634	11040	13980	15730	18280	17080	11700	9608	8862	9030	8112
MAX	83660	26510	39150	43930	42490	39350	55680	33890	27770	21260	32850	23520
(WY)	1930	1948	1949	1993	1998	1998	1964	1964	1973	1941	1940	1964
MIN	2772	3233	5122	5619	6027	6070	5698	4873	4825	4635	4661	3098
(WY)	1932	1932	1940	2002	2002	2002	2000	1941	2002	1952	2002	1931

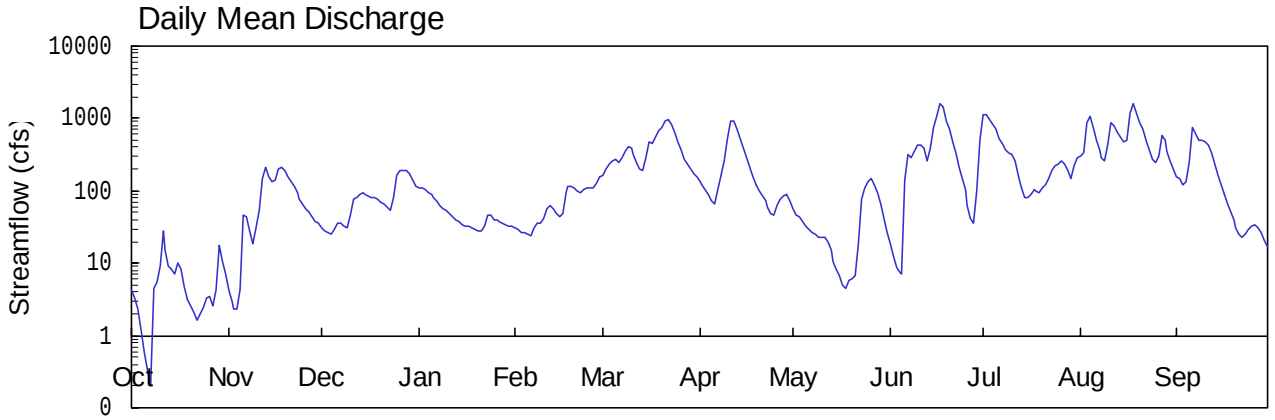
SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1930 - 2003	
ANNUAL TOTAL	1989460		4907410			
ANNUAL MEAN	5451		13440		11740	
HIGHEST ANNUAL MEAN					20900	1964
LOWEST ANNUAL MEAN					5289	2002
HIGHEST DAILY MEAN	11100	Dec 29	39600	Mar 24	203000	Oct 2 1929
LOWEST DAILY MEAN	4320	Aug 25	4780	Oct 12	1950	Sep 27 1931
ANNUAL SEVEN-DAY MINIMUM	4510	Aug 23	4810	Oct 11	2470	Sep 23 1931
MAXIMUM PEAK FLOW			39900	Mar 24	270000	Oct 6 1929
MAXIMUM PEAK STAGE			16.75	Mar 24	29.70	Oct 6 1929
ANNUAL RUNOFF (CFSM)	0.55		1.36		1.19	
ANNUAL RUNOFF (INCHES)	7.51		18.53		16.19	
10 PERCENT EXCEEDS	6480		26100		21600	
50 PERCENT EXCEEDS	5200		11100		8740	
90 PERCENT EXCEEDS	4700		5010		5550	

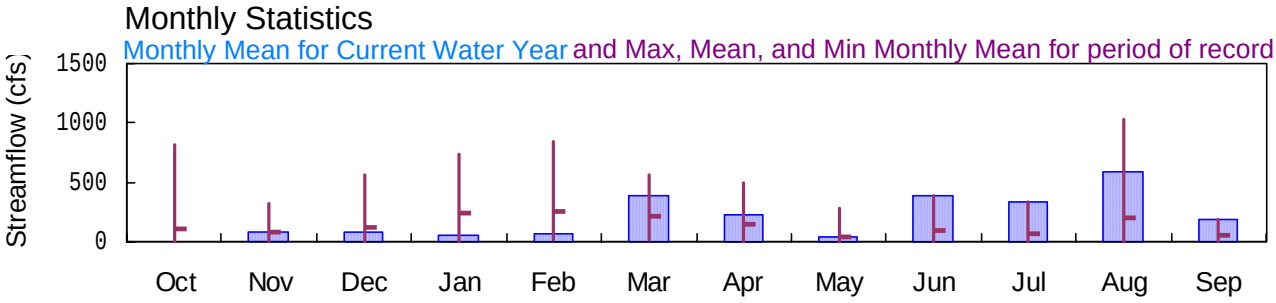
e Estimated

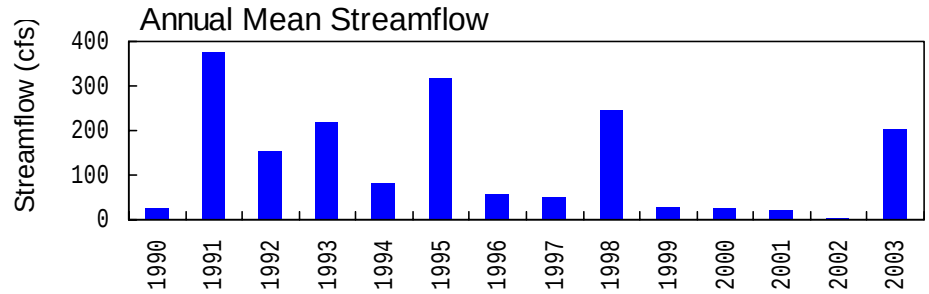
2003 Water Year

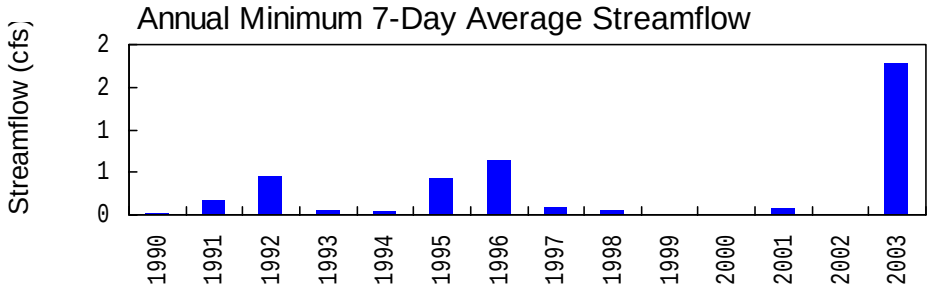
02198690 EBENEZER CREEK AT SPRINGFIELD, GA

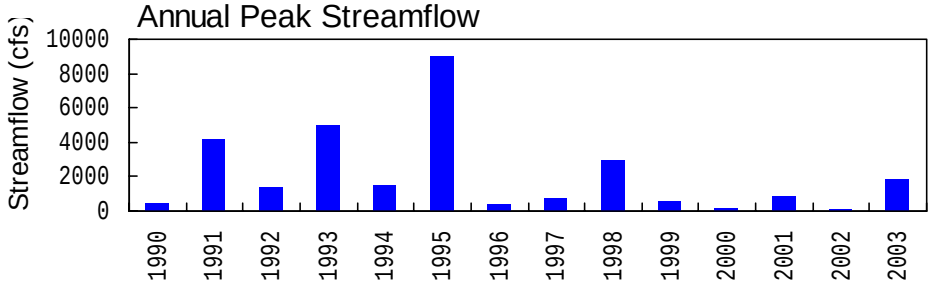
Latitude: 32°21'56" Longitude: 081°17'51" Hydrologic Unit Code: 03060109 Effingham County
Drainage Area: 181. mi² Datum: 20 feet











SAVANNAH RIVER BASIN
2003 Water Year

02198690 EBENEZER CREEK AT SPRINGFIELD, GA

LOCATION.—Lat 32°21'56", long 81°17'51" referenced to North American Datum (NAD) of 1927, Effingham County, Hydrologic Unit 03060109, at downstream side of bridge pier on Stillwell Road, 0.5 miles east of Springfield, and 3.0 miles upstream from Little Ebenezer Creek.

DRAINAGE AREA.—181 square miles.

COOPERATION.—City of Springfield.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 1990 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 20.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). Prior to April 25, 1990, a non-recording gage was located at same site and datum.

REMARKS.—Records good, except those less than 5.0 cfs and periods of estimated discharge, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 800 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/21	2245	1,020	11.58
04/11	2100	974	11.48
06/17	1830	1,840*	12.97*
07/01	1430	1,200	11.96
08/04	0330	1,150	11.15
08/11	1830	944	11.41

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 1990 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 20.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). Prior to April 25, 1990, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.97 feet, June 17; minimum gage-height recorded, 3.16 feet, October 7, 8.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198690 EBENEZER CREEK AT SPRINGFIELD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 322156 LONGITUDE 0811751 NAD27 DRAINAGE AREA 181.0 CONTRIBUTING DRAINAGE AREA 181.0* DATUM 20 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	4.2	31	109	31	164	136	57	18	1140	298	158
2	3.3	2.9	28	108	29	205	119	45	12	1130	339	145
3	2.4	2.3	26	104	27	237	103	43	8.7	967	883	124
4	1.2	2.3	25	95	26	263	87	39	7.5	819	1060	135
5	0.59	4.4	30	88	25	269	74	33	7.2	704	741	245
6	0.34	47	36	80	23	247	68	29	145	517	514	745
7	0.20	44	35	72	31	283	103	26	324	455	376	599
8	4.6	27	33	64	36	359	166	25	281	363	288	497
9	5.4	19	31	58	37	408	254	23	349	329	259	496
10	9.1	31	46	53	41	399	535	23	439	318	423	482
11	27	55	76	48	56	323	911	22	440	262	883	438
12	15	150	81	44	64	248	909	19	386	168	793	330
13	9.3	211	e87	40	58	200	727	15	264	107	660	234
14	8.5	155	e92	37	49	193	532	11	397	80	553	166
15	7.0	136	e88	35	43	284	394	8.3	758	83	477	121
16	10	142	e86	32	48	475	288	6.9	1060	88	502	91
17	8.3	202	e82	32	94	448	209	5.1	1650	106	1210	68
18	4.8	211	e79	31	114	553	157	4.4	1440	97	1630	51
19	3.1	188	77	29	113	670	121	5.7	941	95	1190	39
20	2.6	160	71	28	111	738	99	6.1	699	108	883	30
21	2.1	135	65	27	100	941	83	6.9	483	119	698	25
22	1.6	115	59	33	94	974	71	18	337	151	510	23
23	2.0	93	54	47	106	820	59	75	214	187	374	26
24	2.5	76	82	45	107	638	48	107	152	227	273	30
25	3.3	65	168	40	109	475	46	133	105	230	244	33
26	3.5	56	192	39	110	361	64	145	64	256	306	35
27	2.6	50	192	38	127	278	75	121	41	233	590	31
28	4.3	44	196	36	155	234	87	96	36	190	511	27
29	18	38	171	34	---	203	90	65	100	150	346	21
30	11	35	142	33	---	175	75	42	509	222	261	17
31	7.1	---	117	32	---	156	---	27	---	286	198	---
TOTAL	185.13	2501.1	2578	1591	1964	12221	6690	1282.4	11667.4	10187	18273	5462
MEAN	5.97	83.4	83.2	51.3	70.1	394	223	41.4	389	329	589	182
MAX	27	211	196	109	155	974	911	145	1650	1140	1630	745
MIN	0.20	2.3	25	27	23	156	46	4.4	7.2	80	198	17
CFSM	0.03	0.46	0.46	0.28	0.39	2.18	1.23	0.23	2.15	1.82	3.26	1.01
IN.	0.04	0.51	0.53	0.33	0.40	2.51	1.37	0.26	2.40	2.09	3.76	1.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2003, BY WATER YEAR (WY)

MEAN	107	75.0	122	236	250	217	141	39.4	96.8	61.3	206	48.7
MAX	817	327	557	734	838	564	494	275	389	329	1033	182
(WY)	1995	1993	1995	1993	1998	1998	1998	1991	2003	2003	1991	2003
MIN	0.23	0.44	1.24	4.99	14.9	11.3	2.52	0.016	0.57	0.053	0.35	0.12
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2000	1990	1999	1993

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1990 - 2003	
ANNUAL TOTAL	6673.34		74602.03			
ANNUAL MEAN	18.3		204		137	
HIGHEST ANNUAL MEAN					373	1991
LOWEST ANNUAL MEAN					4.02	2002
HIGHEST DAILY MEAN	211	Nov 13	1650	Jun 17	7010	Aug 27 1995
LOWEST DAILY MEAN	0.00	May 3	0.20	Oct 7	0.00	May 22 1999
ANNUAL SEVEN-DAY MINIMUM	0.00	May 3	1.8	Oct 1	0.00	May 22 1999
MAXIMUM PEAK FLOW			1840	Jun 17	8960	Aug 26 1995
MAXIMUM PEAK STAGE			12.97	Jun 17	17.80	Aug 26 1995
INSTANTANEOUS LOW FLOW			0.18	Oct 7	0.00	May 24 2000
ANNUAL RUNOFF (CFSM)	0.10		1.13		0.76	
ANNUAL RUNOFF (INCHES)	1.37		15.33		10.29	
10 PERCENT EXCEEDS	55		542		377	
50 PERCENT EXCEEDS	3.4		94		28	
90 PERCENT EXCEEDS	0.00		8.3		0.27	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198690 EBENEZER CREEK AT SPRINGFIELD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 322156 LONGITUDE 0811751 NAD27 DRAINAGE AREA 181.0 CONTRIBUTING DRAINAGE AREA 181.0* DATUM 20 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.53	3.52	4.50	6.07	4.47	6.88	6.49	5.11	4.05	11.84	8.30	6.80
2	3.47	3.44	4.41	6.05	4.43	7.37	6.23	4.83	3.82	11.81	8.60	6.62
3	3.40	3.40	4.36	5.99	4.37	7.71	5.97	4.79	3.65	11.45	11.17	6.31
4	3.31	3.40	4.31	5.84	4.35	7.98	5.69	4.67	3.58	11.05	11.67	6.47
5	3.25	3.51	4.45	5.70	4.33	8.04	5.44	4.51	3.57	10.66	10.79	7.65
6	3.20	4.85	4.61	5.56	4.27	7.82	5.31	4.42	5.54	9.87	9.83	10.80
7	3.17	4.80	4.60	5.39	4.48	8.16	5.96	4.32	8.51	9.49	8.93	10.25
8	3.50	4.38	4.53	5.23	4.62	8.81	6.91	4.28	8.14	8.83	8.20	9.76
9	3.59	4.12	4.48	5.11	4.63	9.17	7.86	4.22	8.72	8.57	7.94	9.75
10	3.73	4.43	4.83	5.00	4.73	9.11	9.86	4.22	9.38	8.47	9.16	9.67
11	4.38	5.04	5.47	4.89	5.06	8.51	11.31	4.19	9.39	7.95	11.24	9.37
12	3.99	6.65	5.57	4.80	5.22	7.82	11.31	4.09	9.01	6.92	10.96	8.57
13	3.77	7.44	---	4.71	5.11	7.31	10.74	3.92	7.97	6.03	10.51	7.67
14	3.73	6.76	---	4.65	4.92	7.23	9.93	3.75	9.02	5.57	10.05	6.89
15	3.66	6.50	---	4.58	4.78	8.11	9.07	3.62	10.85	5.63	9.63	6.25
16	3.80	6.57	---	4.52	4.89	9.62	8.20	3.55	11.67	5.72	9.77	5.77
17	3.72	7.33	---	4.51	5.80	9.44	7.42	3.46	12.69	6.01	11.86	5.34
18	3.55	7.44	---	4.47	6.15	10.04	6.78	3.42	12.36	5.86	12.68	4.97
19	3.46	7.18	5.49	4.42	6.13	10.55	6.27	3.49	11.38	5.84	11.93	4.69
20	3.42	6.83	5.37	4.39	6.09	10.79	5.91	3.52	10.64	6.05	11.23	4.46
21	3.38	6.47	5.26	4.38	5.92	11.39	5.63	3.55	9.65	6.23	10.65	4.30
22	3.35	6.16	5.12	4.53	5.81	11.48	5.40	3.99	8.62	6.70	9.81	4.23
23	3.37	5.80	5.02	4.87	6.02	11.05	5.15	5.47	7.47	7.15	8.92	4.32
24	3.41	5.48	5.54	4.83	6.03	10.42	4.91	6.04	6.72	7.61	8.07	4.45
25	3.46	5.25	6.93	4.72	6.07	9.61	4.86	6.44	6.01	7.64	7.78	4.53
26	3.48	5.07	7.23	4.70	6.08	8.82	5.26	6.62	5.25	7.91	8.35	4.58
27	3.42	4.94	7.23	4.67	6.35	8.12	5.48	6.26	4.74	7.67	10.20	4.50
28	3.49	4.79	7.27	4.60	6.77	7.69	5.70	5.85	4.58	7.20	9.81	4.35
29	4.08	4.67	6.98	4.55	---	7.35	5.75	5.27	5.88	6.70	8.70	4.17
30	3.82	4.59	6.57	4.53	---	7.03	5.47	4.74	9.41	7.55	7.95	4.03
31	3.66	---	6.19	4.50	---	6.78	---	4.34	---	8.18	7.29	---
MEAN	3.57	5.36	---	4.93	5.28	8.72	6.88	4.55	7.74	7.88	9.74	6.38
MAX	4.38	7.44	---	6.07	6.77	11.48	11.31	6.62	12.69	11.84	12.68	10.80
MIN	3.17	3.40	---	4.38	4.27	6.78	4.86	3.42	3.57	5.57	7.29	4.03

SAVANNAH RIVER BASIN
2003 Water Year

02198760 SAVANNAH RIVER ABOVE HARDEESVILLE, GA

LOCATION.—Lat 32°20'34", long 81°07'53" referenced to North American Datum (NAD) of 1927, Jasper County, SC, Hydrologic Unit 03060109, on canal near Bride Point at Jasper-Beaufort Water Authority property, 14.0 miles upstream from Abercorn Creek, and 7.0 miles northwest of Hardeesville.

DRAINAGE AREA.—10,250 square miles, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1987 to current year. Records prior to October 1, 1987 are available through the USGS-Georgia District.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 00.00 feet referenced to National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to May 30, 1990 station was at a site 2.0 miles downstream of present location at the same datum.

REMARKS.—Gage-height affected by tide.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage-height, 14.18 feet, February 17, 1998; minimum gage-height, 1.97 feet, August 18, 2002.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 13.36 feet, March 25; minimum gage-height, 2.48 feet, January 20.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198760 SAVANNAH RIVER ABOVE HARDEEVILLE, SC SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 322021 LONGITUDE 0810743 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.81	3.18	4.57	5.69	2.84	4.43	5.41	2.85	4.16	6.82	4.65	5.67
2	5.81	3.15	4.55	5.82	2.96	4.54	5.84	2.99	4.45	6.46	4.35	5.36
3	5.82	2.98	4.48	5.91	3.05	4.61	5.81	3.02	4.42	6.15	4.10	5.08
4	5.93	2.88	4.49	5.94	3.01	4.60	6.36	3.03	4.83	6.12	3.84	4.91
5	5.94	2.93	4.55	6.13	3.07	4.76	6.09	3.18	4.71	6.17	3.93	5.03
6	6.05	3.08	4.64	5.89	2.83	4.37	5.84	2.95	4.43	5.80	3.78	4.72
7	6.06	3.29	4.82	5.83	2.60	4.21	5.72	2.93	4.30	5.59	3.61	4.47
8	6.16	3.20	4.86	5.76	2.84	4.35	5.44	2.76	4.05	5.15	3.63	4.33
9	6.15	3.15	4.83	5.66	2.84	4.30	5.51	2.74	4.12	4.90	3.35	4.08
10	6.21	3.11	4.94	5.38	2.75	4.11	5.72	3.15	4.46	4.76	3.04	3.85
11	5.83	3.25	4.71	5.09	2.70	3.87	5.42	2.95	4.28	4.74	3.03	3.88
12	5.73	2.92	4.44	4.84	2.89	3.85	4.91	2.88	3.84	4.89	3.17	3.99
13	5.62	2.80	4.34	5.13	2.86	3.87	5.31	2.84	4.12	5.28	3.21	4.05
14	5.89	3.00	4.60	5.49	3.18	4.48	5.06	2.89	3.64	5.14	2.92	3.89
15	6.07	3.56	5.00	5.96	3.77	5.05	5.13	2.73	3.95	4.98	2.80	3.81
16	5.69	3.07	4.64	6.18	4.21	5.28	5.33	3.19	4.28	5.52	2.87	4.15
17	5.55	2.86	4.40	6.35	4.53	5.30	6.28	4.00	5.27	5.21	3.00	3.96
18	5.59	2.90	4.35	6.04	4.46	5.18	6.94	5.18	6.08	5.56	2.83	4.13
19	5.57	3.05	4.47	6.29	4.45	5.32	6.88	5.18	6.01	5.11	2.63	3.80
20	5.57	2.96	4.37	6.45	4.50	5.44	6.32	4.15	5.23	4.87	2.48	3.56
21	5.52	2.82	4.23	6.51	4.55	5.52	5.57	3.48	4.37	5.22	2.68	3.84
22	5.44	2.75	4.16	6.27	4.49	5.27	5.51	3.23	4.22	5.67	3.07	4.31
23	5.54	2.76	4.26	6.02	4.27	4.99	5.43	3.06	4.13	5.49	2.88	4.08
24	5.67	2.93	4.37	5.78	3.94	4.75	6.15	3.31	4.72	5.06	2.68	3.76
25	5.64	2.88	4.31	5.54	3.51	4.41	5.61	3.91	4.62	5.07	2.84	3.90
26	5.41	2.77	4.07	5.50	3.27	4.26	5.99	3.90	4.71	5.41	2.84	4.09
27	5.25	2.55	3.85	5.27	3.06	4.06	6.34	4.22	5.34	5.12	2.88	3.88
28	5.27	2.51	3.88	5.51	3.15	4.28	7.00	5.09	6.17	5.38	2.74	4.05
29	5.28	2.50	3.84	5.57	3.22	4.38	7.38	6.21	6.90	5.53	2.82	4.18
30	5.35	2.63	4.03	5.05	3.03	3.99	7.77	6.63	7.10	5.69	3.03	4.28
31	5.52	2.74	4.23	---	---	---	7.28	5.52	6.42	5.56	2.92	4.20
MONTH	6.21	2.50	4.43	6.51	2.60	4.59	7.77	2.73	4.82	6.82	2.48	4.24

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198760 SAVANNAH RIVER ABOVE HARDEEVILLE, SC SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 322021 LONGITUDE 0810743 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.54	2.93	4.19	7.64	6.40	7.07	12.40	12.26	12.32	10.03	9.61	9.80
2	5.59	3.07	4.32	7.84	6.76	7.33	12.26	12.20	12.22	9.84	9.39	9.60
3	5.70	3.48	4.56	8.01	6.99	7.47	12.26	12.21	12.23	9.69	9.32	9.49
4	5.69	3.86	4.70	8.12	7.30	7.72	12.26	12.20	12.23	9.63	9.34	9.48
5	5.40	3.76	4.53	8.13	7.27	7.69	12.21	12.00	12.12	9.74	9.47	9.61
6	5.34	3.51	4.41	8.00	7.19	7.55	12.00	11.57	11.80	9.78	9.49	9.62
7	5.20	3.09	4.03	7.92	7.13	7.49	11.57	10.73	11.19	9.75	9.56	9.65
8	4.62	3.18	3.89	7.78	7.00	7.34	10.73	9.64	10.23	9.84	9.59	9.72
9	4.96	3.72	4.34	7.86	7.31	7.63	9.73	8.85	9.29	9.78	9.34	9.58
10	5.42	3.94	4.63	8.39	7.83	8.17	9.22	8.87	9.03	9.52	9.09	9.31
11	5.60	4.22	4.79	8.76	8.30	8.61	9.32	8.88	9.18	9.32	8.99	9.16
12	5.45	3.83	4.45	9.06	8.64	8.93	9.76	9.21	9.54	9.36	9.05	9.21
13	5.31	3.61	4.42	9.40	8.96	9.25	10.12	9.62	9.89	9.66	9.11	9.35
14	5.73	4.00	4.86	9.79	9.31	9.58	10.43	9.98	10.20	9.90	9.43	9.61
15	6.16	4.41	5.20	10.19	9.68	9.96	10.76	10.34	10.52	10.16	9.71	9.89
16	6.48	4.44	5.46	10.52	10.08	10.30	11.37	10.76	10.99	10.48	10.04	10.21
17	6.55	4.52	5.47	10.91	10.44	10.66	12.11	11.37	11.75	10.85	10.47	10.60
18	6.21	4.16	5.17	11.28	10.91	11.06	12.52	12.11	12.34	11.50	10.85	11.14
19	6.56	4.47	5.58	11.75	11.28	11.50	12.66	12.52	12.61	12.03	11.50	11.81
20	7.03	5.46	6.29	12.27	11.75	12.00	12.68	12.63	12.66	12.24	12.03	12.17
21	7.32	6.03	6.72	12.68	12.27	12.51	12.64	12.55	12.60	12.31	12.24	12.29
22	7.26	5.48	6.49	12.90	12.68	12.80	12.55	12.43	12.51	12.40	12.30	12.33
23	6.56	4.73	5.56	13.13	12.90	13.02	12.43	12.30	12.38	12.40	12.32	12.37
24	6.27	4.73	5.45	13.30	13.13	13.23	12.30	12.13	12.23	12.32	12.18	12.26
25	6.35	4.82	5.60	13.36	13.30	13.34	12.13	11.89	12.02	12.19	12.04	12.13
26	6.82	5.21	6.20	13.35	13.23	13.31	11.89	11.60	11.76	12.15	11.88	12.01
27	7.45	5.99	6.78	13.23	13.12	13.18	11.60	11.20	11.40	11.89	11.68	11.77
28	7.47	6.32	6.88	13.12	13.01	13.07	11.20	10.74	10.94	11.68	11.49	11.57
29	---	---	---	13.01	12.82	12.92	10.74	10.26	10.46	11.50	11.37	11.42
30	---	---	---	12.82	12.60	12.72	10.33	9.85	10.06	11.41	11.29	11.34
31	---	---	---	12.61	12.40	12.50	---	---	---	11.42	11.31	11.35
MONTH	7.47	2.93	5.18	13.36	6.40	10.32	12.68	8.85	11.29	12.40	8.99	10.64

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198760 SAVANNAH RIVER ABOVE HARDEEVILLE, SC SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 322021 LONGITUDE 0810743 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	11.53	11.40	11.44	11.27	11.02	11.14	11.79	11.57	11.70	9.13	8.67	8.91
2	11.68	11.53	11.59	11.09	10.61	10.86	11.81	11.69	11.76	8.98	8.45	8.76
3	11.86	11.68	11.75	10.64	9.90	10.26	11.70	11.43	11.59	8.70	7.86	8.39
4	11.88	11.84	11.87	10.02	9.50	9.74	11.43	11.01	11.26	8.12	7.16	7.74
5	11.91	11.87	11.89	9.74	9.52	9.63	11.01	10.46	10.79	7.58	6.40	7.06
6	12.32	11.90	12.06	9.84	9.56	9.72	10.46	10.01	10.25	7.65	6.45	7.06
7	12.47	12.32	12.43	10.11	9.69	9.92	10.01	9.54	9.76	7.78	6.58	7.16
8	12.47	12.40	12.44	10.32	9.99	10.16	9.66	9.26	9.49	7.88	6.81	7.33
9	12.40	12.33	12.37	10.56	10.22	10.38	9.70	9.28	9.47	7.84	6.83	7.39
10	12.33	12.27	12.30	10.86	10.48	10.64	10.15	9.45	9.70	7.84	6.68	7.28
11	12.27	12.21	12.24	11.09	10.78	10.88	10.52	9.93	10.13	7.69	6.42	7.12
12	12.22	12.15	12.18	11.42	11.09	11.20	10.70	10.47	10.55	7.44	5.99	6.77
13	12.16	12.03	12.10	11.83	11.42	11.60	10.73	10.62	10.68	7.16	5.78	6.49
14	12.07	11.90	11.98	12.20	11.83	12.00	10.77	10.60	10.69	6.92	5.58	6.28
15	11.93	11.85	11.89	12.40	12.20	12.31	10.71	10.49	10.60	6.68	5.42	6.07
16	11.87	11.71	11.79	12.48	12.40	12.45	10.57	10.41	10.50	6.74	5.53	6.12
17	11.92	11.73	11.80	12.52	12.48	12.50	10.57	10.43	10.50	6.53	5.25	5.93
18	11.86	11.75	11.81	12.52	12.47	12.51	10.89	10.52	10.64	6.38	5.01	5.66
19	11.78	11.67	11.74	12.48	12.37	12.42	11.21	10.89	11.11	6.34	5.17	5.66
20	11.70	11.60	11.65	12.38	12.17	12.29	11.11	10.90	11.03	6.85	5.51	6.10
21	11.63	11.56	11.59	12.17	11.93	12.06	10.91	10.71	10.82	7.15	5.93	6.45
22	11.58	11.52	11.55	11.93	11.57	11.76	10.71	10.53	10.63	7.08	5.87	6.50
23	11.53	11.46	11.49	11.57	11.24	11.38	10.53	10.35	10.44	6.86	5.46	6.24
24	11.47	11.38	11.43	11.24	10.95	11.13	10.36	10.12	10.25	6.88	5.19	6.09
25	11.44	11.37	11.40	10.95	10.55	10.72	10.22	9.93	10.08	7.06	5.29	6.16
26	11.48	11.39	11.43	10.55	10.25	10.40	10.12	9.64	9.86	7.09	5.55	6.37
27	11.47	11.39	11.43	10.41	10.18	10.28	9.88	9.27	9.56	7.11	5.58	6.44
28	11.44	11.33	11.38	10.41	10.19	10.26	9.60	9.04	9.31	6.97	5.28	6.21
29	11.40	11.26	11.32	10.63	10.29	10.41	9.42	8.94	9.19	6.88	5.12	6.08
30	11.35	11.22	11.28	11.00	10.60	10.73	9.34	8.85	9.11	6.95	5.23	6.15
31	---	---	---	11.57	11.00	11.26	9.25	8.75	9.01	---	---	---
MONTH	12.47	11.22	11.79	12.52	9.50	11.06	11.81	8.75	10.34	9.13	5.01	6.73
YEAR	13.36	2.48	7.97									

SAVANNAH RIVER BASIN
2003 Water Year

02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA

LOCATION.—Lat 32°14'08", long 81°09'05" referenced to North American Datum (NAD) of 1927, Effingham County, Hydrologic Unit 03060109, at right downstream fender of bridge on Interstate 95, 1.0 mile downstream from Abercorn Creek, and 6.1 miles north of Port Wentworth.

DRAINAGE AREA.—Indeterminate.

COOPERATION.—City of Savannah.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 1987 to current year.

GAGE.—Satellite transmitter with a water-stage recorder and continuous water-quality monitor. Datum of gage is 0.00 feet referenced to National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage-height recorded, 7.37 feet, February 7, 1993; minimum gage-height recorded, -5.24 feet, April 7, 1989. Extremes have been adjusted to NGVD of 1929.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.56 feet, April 18; minimum gage-height recorded, -4.22 feet, January 21.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 1, 2002 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321408 LONGITUDE 0810905 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 20.61 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.29	-1.36	2.33	5.49	-2.12	2.45	4.89	-4.18	1.12	5.86	-3.04	1.96
2	5.30	-2.05	2.24	5.62	-2.34	2.53	5.49	-3.44	1.75	5.48	-3.39	1.59
3	5.39	-2.65	2.12	5.73	-2.31	2.47	5.48	-3.50	1.72	5.10	-3.57	1.07
4	5.57	-2.90	2.15	5.78	-2.62	2.37	6.25	-2.81	2.69	5.29	-3.71	1.28
5	5.56	-2.94	2.17	6.00	-2.51	2.65	5.88	-2.24	2.38	5.36	-2.68	1.77
6	5.64	-2.82	2.17	5.47	-3.74	1.58	5.53	-2.93	1.81	4.91	-3.21	1.12
7	5.68	-2.31	2.49	5.62	-3.45	1.65	5.40	-2.71	1.66	4.69	-2.83	1.01
8	5.87	-2.25	2.67	5.53	-2.54	2.01	5.10	-2.71	1.38	3.86	-3.10	0.38
9	5.86	-1.91	2.75	5.42	-2.12	2.06	5.17	-2.30	1.75	3.77	-2.81	0.43
10	5.86	-1.72	3.00	5.04	-2.04	1.72	5.38	-0.82	2.49	3.66	-2.64	0.44
11	5.40	-1.48	2.57	4.66	-2.18	1.28	4.96	-1.83	1.77	3.82	-2.04	0.85
12	5.34	-1.69	2.22	4.22	-2.15	1.25	4.30	-2.00	1.13	4.03	-1.86	1.12
13	5.21	-1.55	2.19	4.54	-2.54	1.22	4.78	-2.41	1.74	4.60	-2.61	1.19
14	5.71	-0.99	2.99	4.80	-1.61	2.02	4.40	-3.38	0.36	4.49	-2.64	1.08
15	5.94	0.57	3.90	5.17	-1.72	2.45	4.49	-3.40	1.00	4.33	-3.00	0.90
16	5.46	-0.87	3.04	5.28	-1.67	2.35	4.52	-2.88	0.98	4.94	-3.23	1.37
17	5.33	-1.53	2.51	5.18	-2.29	1.38	5.01	-3.17	1.62	4.55	-3.51	0.61
18	5.35	-1.91	2.45	4.82	-3.63	1.17	5.50	-2.12	2.38	5.14	-3.62	1.23
19	5.29	-1.63	2.44	5.20	-2.59	1.79	5.51	-1.79	2.26	4.56	-3.98	0.45
20	5.27	-1.93	2.19	5.42	-2.49	2.05	5.25	-3.08	1.32	4.28	-4.17	0.11
21	5.22	-2.22	2.00	5.51	-2.16	2.18	4.78	-3.50	0.67	4.61	-4.22	0.34
22	5.17	-2.24	1.98	5.16	-2.50	1.39	4.83	-3.46	0.68	5.13	-3.56	1.25
23	5.29	-1.94	2.18	4.84	-2.78	1.07	4.81	-3.60	0.79	4.91	-2.84	1.02
24	5.35	-1.57	2.33	4.74	-2.71	1.04	5.50	-2.82	1.72	4.48	-3.52	0.53
25	5.36	-1.65	2.26	4.71	-2.61	1.08	4.48	-3.58	0.34	4.50	-3.18	0.81
26	5.13	-1.75	1.93	4.86	-2.59	1.18	5.05	-3.24	0.89	4.86	-3.26	0.99
27	4.96	-1.85	1.69	4.68	-2.62	0.95	5.09	-2.59	1.50	4.47	-3.20	0.81
28	5.00	-1.58	1.80	5.00	-2.39	1.48	4.91	-2.65	1.42	4.94	-2.96	1.32
29	4.97	-1.90	1.59	5.02	-2.94	1.54	4.98	-2.79	1.47	5.05	-3.46	1.25
30	5.05	-2.04	1.84	4.31	-3.70	0.68	5.49	-3.00	2.07	5.05	-3.66	1.18
31	5.25	-1.95	2.22	---	---	---	5.63	-2.84	2.20	4.95	-3.67	1.13
MONTH	5.94	-2.94	2.34	6.00	-3.74	1.70	6.25	-4.18	1.52	5.86	-4.22	0.99

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321408 LONGITUDE 0810905 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 20.61 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.92	-3.42	1.05	5.36	-2.47	2.21	5.06	0.06	2.80	5.43	-1.14	2.58
2	4.83	-3.46	0.94	5.36	-2.10	2.12	4.86	-0.55	2.21	5.31	-1.54	2.37
3	4.73	-3.55	0.85	5.24	-2.56	1.88	4.88	-0.60	2.00	5.11	-1.84	2.11
4	4.45	-3.74	0.60	5.28	-1.84	2.30	5.08	-0.38	2.20	5.70	-1.26	2.36
5	4.11	-3.55	0.40	4.91	-2.49	1.91	4.89	-0.22	2.33	5.70	-1.04	2.86
6	4.10	-2.75	0.89	4.81	-2.84	1.26	5.21	-0.12	2.44	5.40	-1.40	2.13
7	4.17	-3.30	0.51	4.69	-2.04	1.46	5.22	-0.32	2.54	4.94	-1.40	1.58
8	3.21	-2.99	0.22	4.63	-1.95	1.56	4.73	-0.59	2.22	4.66	-1.56	1.44
9	3.46	-2.27	0.64	4.65	-1.43	1.61	5.07	-0.45	2.38	4.64	-1.66	1.42
10	3.89	-2.19	0.54	4.23	-1.10	1.78	5.05	-1.19	2.16	4.60	-1.95	1.48
11	3.95	-2.32	0.62	4.31	-1.15	1.72	5.06	-0.94	2.12	4.67	-2.36	1.65
12	4.00	-2.99	0.38	4.31	-1.21	1.48	5.15	-1.29	2.56	4.83	-2.65	1.62
13	4.06	-3.22	0.41	4.53	-1.31	1.64	5.36	-1.41	2.76	5.51	-2.60	2.07
14	4.30	-3.29	0.71	4.82	-1.21	2.28	5.52	-1.44	2.90	5.87	-2.13	2.49
15	4.72	-3.62	0.96	5.49	-0.47	2.94	5.82	-1.13	3.03	5.97	-1.64	2.91
16	5.26	-3.71	1.70	5.54	-1.45	2.80	6.22	-0.53	3.39	6.08	-1.80	2.81
17	5.45	-2.98	1.80	5.80	-1.49	3.12	6.54	0.43	3.92	6.26	-1.36	3.01
18	5.12	-3.54	1.30	5.92	-0.58	3.45	6.56	1.28	4.31	6.24	-0.32	3.55
19	5.27	-3.29	1.61	6.23	0.20	3.83	6.56	1.69	4.37	6.14	0.66	3.71
20	5.22	-2.79	1.79	6.14	0.80	4.01	6.43	1.64	4.29	6.22	0.90	3.81
21	5.31	-2.17	2.19	5.94	0.72	3.67	6.31	1.60	4.22	5.84	0.54	3.37
22	5.37	-2.29	2.23	5.88	0.99	3.63	6.01	0.97	3.71	5.23	0.66	3.12
23	4.61	-3.59	0.48	5.58	1.39	3.58	5.28	1.12	3.45	4.88	0.44	2.84
24	4.66	-2.98	0.96	5.47	1.95	3.73	5.28	0.65	3.30	4.98	0.47	3.04
25	4.68	-2.80	1.07	5.51	2.21	3.94	5.14	0.24	3.16	4.99	0.21	2.99
26	4.89	-2.51	1.89	5.39	2.08	3.83	5.01	-0.16	2.90	4.99	-0.06	2.75
27	5.29	-1.91	2.12	5.41	2.11	4.05	5.35	-0.30	3.05	4.92	-0.51	2.51
28	5.12	-2.54	1.78	5.72	2.24	4.21	5.40	-0.56	3.03	5.31	-0.59	2.64
29	---	---	---	5.44	1.80	3.82	5.37	-1.19	2.71	5.10	-0.93	2.34
30	---	---	---	5.21	1.02	3.28	5.43	-1.45	2.46	5.29	-0.97	2.34
31	---	---	---	5.17	0.41	2.91	---	---	---	5.06	-1.20	2.21
MONTH	5.45	-3.74	1.09	6.23	-2.84	2.77	6.56	-1.45	2.96	6.26	-2.65	2.52

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321408 LONGITUDE 0810905 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 20.61 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5.27	-1.01	2.01	5.69	-1.18	2.36	5.35	-0.95	2.31	5.39	-2.08	2.20
2	5.37	-0.71	2.41	5.47	-1.60	2.15	5.34	-0.45	2.65	5.29	-2.11	1.99
3	5.28	0.01	2.69	4.85	-2.15	1.40	5.24	-0.53	2.56	5.23	-2.15	1.88
4	5.19	-0.23	2.56	4.84	-2.28	1.27	4.95	-1.12	2.13	5.30	-2.27	1.88
5	5.10	-0.38	2.18	4.76	-2.16	1.42	5.09	-1.42	2.06	5.55	-2.59	2.11
6	5.11	-0.04	2.59	4.62	-2.21	1.41	5.34	-1.98	1.98	5.71	-1.57	2.82
7	5.39	0.35	2.94	4.57	-2.33	1.52	5.40	-2.14	2.05	5.78	-1.64	2.83
8	5.24	0.41	2.90	4.89	-2.31	1.73	5.47	-2.20	2.16	5.82	-1.73	2.85
9	5.24	0.20	3.03	5.26	-2.23	2.02	5.58	-2.47	2.08	5.93	-1.42	3.01
10	5.71	0.17	3.37	5.53	-2.15	2.21	5.49	-2.55	1.91	5.75	-1.28	3.05
11	6.14	0.14	3.58	5.61	-2.07	2.25	5.54	-1.96	2.18	5.79	-0.89	3.20
12	6.26	0.11	3.65	5.71	-1.90	2.28	5.55	-1.63	2.36	5.67	-1.02	3.15
13	6.23	-0.03	3.55	5.62	-1.31	2.57	5.55	-1.35	2.51	5.41	-1.66	2.55
14	6.23	-0.16	3.44	5.52	-0.64	2.80	5.27	-1.13	2.62	5.22	-1.97	2.27
15	6.20	-0.34	3.34	5.56	-0.15	2.92	5.15	-1.20	2.38	4.97	-1.95	2.05
16	6.06	-0.41	3.25	5.43	0.17	3.00	4.98	-1.38	2.15	5.00	-1.72	2.15
17	6.03	-0.13	3.24	5.19	0.28	2.78	4.62	-1.54	1.80	5.11	-0.52	2.49
18	5.87	0.27	3.31	4.91	0.27	2.67	4.39	-1.63	1.52	4.94	-0.95	2.18
19	5.52	-0.21	2.81	4.62	0.10	2.36	4.77	-1.02	1.79	4.51	-1.76	1.38
20	5.13	-0.52	2.41	4.67	-0.01	2.39	4.73	-0.74	2.04	4.92	-1.66	1.62
21	5.30	-0.49	2.82	4.66	-0.12	2.27	4.73	-0.79	1.97	5.31	-1.43	2.29
22	5.37	-0.16	2.95	4.47	-0.77	1.74	4.65	-1.05	1.83	5.46	-1.43	2.60
23	5.23	-0.38	2.77	4.05	-1.22	1.23	4.70	-1.37	1.64	5.51	-2.19	2.37
24	5.21	-0.58	2.62	4.21	-1.40	1.23	5.06	-1.61	1.78	5.89	-1.68	2.81
25	5.29	-0.71	2.52	4.42	-1.52	1.48	5.51	-1.47	2.34	6.06	-1.58	3.08
26	5.37	-0.72	2.49	4.98	-1.66	1.71	5.65	-1.77	2.35	6.04	-1.38	3.26
27	5.47	-0.82	2.51	5.10	-1.90	1.71	5.73	-1.96	2.40	6.02	-1.01	3.38
28	---	---	---	5.16	-2.09	1.65	5.61	-2.14	2.36	5.95	-1.40	3.02
29	---	---	---	5.30	-2.05	1.68	5.63	-2.01	2.42	5.93	-1.86	2.91
30	---	---	---	5.31	-1.95	1.79	5.50	-1.77	2.53	5.95	-1.67	2.97
31	---	---	---	5.31	-1.55	2.03	5.47	-1.82	2.38	---	---	---
MONTH	---	---	---	5.71	-2.33	2.00	5.73	-2.55	2.17	6.06	-2.59	2.54

02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA

LOCATION.—Lat 32°14'08", long 81°09'05" referenced to North American Datum (NAD) of 1927, Effingham County, Hydrologic Unit 03060109, at right downstream fender of bridge on Interstate 95, 1.0 mile downstream from Abercorn Creek, and 6.1 miles north of Port Wentworth.

DRAINAGE AREA.—Not determined.

COOPERATION.—City of Savannah.

PERIOD OF RECORD.—October 1986 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: October 1987 to current year.
WATER TEMPERATURE: October 1999 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 8,370 microsiemens, August 7, 2002; minimum recorded, 30 microsiemens, August 26, 1995.
WATER TEMPERATURE: Maximum, 31.4 °C, July 20, 2002; minimum, 5.1 °C, January 31, 2000.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum, 1,500 microsiemens, December 4; minimum, 59 microsiemens, July 16-18.
WATER TEMPERATURE: Maximum, 27.3 °C, September 5; minimum recorded, 7.1 °C, January 27.

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STATION NUMBER 02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321408 LONGITUDE 0810905 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 20.61 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	180	164	168	232	150	172	170	---	---	113	104	107
2	186	160	167	255	151	176	195	139	149	127	113	121
3	196	148	161	330	153	185	192	142	154	131	125	127
4	287	146	164	385	152	189	1500	147	221	132	117	122
5	346	147	180	488	149	198	249	148	166	134	118	127
6	329	---	---	245	148	168	177	148	157	136	131	133
7	416	153	228	198	146	157	167	143	154	135	129	131
8	---	---	---	172	147	157	156	142	146	132	128	129
9	384	144	180	170	152	158	149	141	145	133	124	129
10	342	139	164	162	152	156	151	145	148	134	124	128
11	149	137	142	158	151	154	155	148	151	136	132	134
12	151	140	145	156	148	153	154	149	152	137	134	135
13	155	145	149	150	144	147	158	148	155	139	134	137
14	169	152	158	150	145	147	155	148	151	141	133	135
15	193	154	161	152	144	147	160	148	152	145	135	142
16	181	152	158	148	140	143	159	149	152	181	144	154
17	178	152	159	142	134	138	160	140	148	159	144	148
18	188	155	164	139	127	134	140	123	132	174	141	151
19	188	157	168	136	123	126	125	112	117	168	141	148
20	187	154	166	132	124	127	124	118	120	161	145	151
21	188	151	163	134	128	131	130	120	126	175	150	156
22	190	152	165	133	130	132	143	124	133	175	153	159
23	188	154	164	133	128	129	154	140	144	172	140	154
24	173	154	160	131	128	129	157	145	149	155	142	146
25	165	150	156	134	129	131	151	140	146	158	149	152
26	159	142	149	141	132	137	145	125	135	156	149	151
27	154	143	149	150	140	145	132	125	129	157	149	152
28	160	151	154	157	147	150	132	118	129	164	144	152
29	165	154	157	158	146	150	124	100	110	158	141	148
30	170	152	157	154	142	145	103	98	100	164	146	152
31	206	153	166	---	---	---	104	98	101	164	137	151
MONTH	---	---	---	488	123	150	1500	---	---	181	104	141

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STATION NUMBER 02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321408 LONGITUDE 0810905 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 20.61 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	160	142	149	105	101	103	74	73	74	95	89	91
2	165	147	152	105	100	103	75	74	74	96	89	92
3	161	143	151	102	99	100	77	74	75	91	86	88
4	154	136	142	101	99	100	81	77	79	90	85	87
5	141	131	136	101	99	100	85	81	83	90	84	85
6	135	125	131	108	101	104	93	85	89	88	84	85
7	138	125	133	104	98	101	101	93	98	91	84	86
8	144	136	139	106	98	102	103	100	101	99	88	92
9	151	140	147	110	104	108	105	100	102	104	98	100
10	150	133	141	110	86	96	106	96	101	106	84	97
11	136	128	133	86	79	82	99	90	94	88	78	82
12	130	124	127	80	76	78	91	83	87	83	77	79
13	128	124	126	82	79	80	85	80	83	84	79	81
14	138	128	134	82	81	82	83	79	81	85	79	81
15	135	126	131	81	79	80	82	78	79	84	78	81
16	131	119	125	81	78	79	80	77	78	83	78	80
17	134	122	126	82	77	78	78	75	76	83	77	79
18	134	125	128	77	76	76	77	73	73	82	76	78
19	140	127	133	76	74	75	75	72	73	80	75	76
20	141	126	133	74	72	73	74	71	73	78	74	75
21	133	110	121	72	70	71	73	71	72	76	73	74
22	116	107	111	70	68	69	74	72	73	75	73	74
23	119	111	113	68	68	68	75	74	74	77	73	75
24	125	117	121	68	68	68	79	75	77	81	76	78
25	124	115	119	70	68	69	83	79	82	82	78	80
26	121	113	117	70	69	70	90	83	87	84	78	82
27	120	104	111	71	70	70	93	87	91	86	82	83
28	105	101	103	71	70	71	95	90	92	83	79	81
29	---	---	---	73	71	72	94	89	91	81	79	79
30	---	---	---	74	73	74	94	89	90	79	78	79
31	---	---	---	75	74	74	---	---	---	79	78	79
MONTH	165	101	130	110	68	83	106	71	83	106	73	83

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STATION NUMBER 02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321408 LONGITUDE 0810905 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 20.61 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	78	77	78	91	86	88	78	77	78	91	88	90
2	78	76	77	97	91	95	83	78	81	91	89	90
3	77	75	76	98	96	97	88	83	86	97	89	91
4	75	74	74	97	90	94	91	88	89	104	96	99
5	76	75	75	90	80	85	92	91	91	107	101	103
6	76	73	75	81	77	78	93	91	92	106	102	104
7	73	71	72	77	75	76	92	89	91	116	102	110
8	72	71	72	77	75	76	90	84	86	115	111	113
9	74	72	73	76	74	75	85	80	83	117	114	116
10	75	73	74	76	72	73	82	77	80	116	111	114
11	77	75	76	73	71	72	80	74	77	119	111	114
12	81	77	79	72	70	71	80	77	78	119	115	117
13	84	81	83	70	69	70	81	79	80	120	114	117
14	85	81	84	69	66	67	84	81	83	137	116	132
15	86	85	86	66	61	63	84	83	84	137	120	126
16	88	86	87	62	59	60	84	83	84	132	121	125
17	88	81	85	61	59	60	84	81	83	128	120	124
18	82	79	81	62	59	61	82	79	81	123	115	118
19	82	81	81	63	61	62	80	76	78	128	120	124
20	82	81	82	65	62	64	77	76	76	130	120	127
21	82	81	81	69	65	67	80	76	79	126	108	117
22	82	81	81	72	69	71	82	80	81	115	105	111
23	81	81	81	75	72	73	84	82	83	115	106	111
24	81	81	81	74	71	73	87	83	85	121	106	111
25	83	81	82	71	67	69	89	86	88	160	111	118
26	84	82	83	77	66	68	95	88	91	141	118	122
27	85	84	84	67	65	66	97	93	94	130	118	122
28	85	84	84	77	65	72	94	91	92	126	116	119
29	85	84	85	78	77	78	92	90	91	127	121	123
30	86	84	85	78	78	78	92	88	90	128	123	125
31	---	---	---	79	78	78	92	90	91	---	---	---
MONTH	88	71	80	98	59	74	97	74	85	160	88	114

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LATITUDE 321408 LONGITUDE 0810905 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 20.61 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	26.4	26.1	26.2	22.4	21.5	21.8	12.2	---	---	10.3	9.4	9.9
2	26.3	25.7	26.1	21.7	20.7	21.0	11.9	11.5	11.7	10.7	10.3	10.5
3	26.6	25.9	26.2	20.7	19.9	20.2	11.6	11.3	11.5	10.9	10.6	10.8
4	26.8	26.2	26.5	19.9	19.1	19.5	11.6	11.0	11.4	10.7	10.3	10.5
5	27.1	26.4	26.6	19.2	18.7	18.9	11.0	10.5	10.8	10.3	10.0	10.1
6	27.5	---	---	18.9	18.6	18.8	10.7	10.3	10.5	10.1	9.7	9.9
7	27.7	---	---	18.7	17.8	18.2	10.6	10.3	10.5	9.9	9.5	9.7
8	27.6	---	---	17.9	17.3	17.6	10.6	10.2	10.4	9.6	9.2	9.4
9	27.0	25.5	26.2	17.6	17.2	17.4	10.5	10.3	10.4	10.0	9.4	9.7
10	25.6	24.8	25.2	17.9	17.4	17.6	10.5	10.3	10.4	10.5	9.9	10.2
11	24.8	24.3	24.6	18.7	17.8	18.1	10.5	10.4	10.5	10.3	9.9	10.1
12	25.1	24.5	24.8	19.1	18.7	18.9	10.7	10.4	10.5	10.3	10.0	10.1
13	25.1	24.9	25.0	19.1	18.8	18.9	11.4	10.6	11.0	10.0	9.6	9.8
14	25.1	24.6	24.9	18.9	18.1	18.4	11.3	10.8	11.2	9.7	9.3	9.5
15	24.6	23.5	23.9	18.1	17.5	17.8	10.9	10.5	10.7	9.5	9.1	9.3
16	23.5	22.1	22.6	17.8	17.3	17.5	10.7	10.3	10.5	9.5	9.1	9.3
17	22.4	21.2	21.6	17.4	16.4	17.0	10.7	10.4	10.6	9.5	9.1	9.4
18	21.6	20.7	21.0	16.4	15.4	15.7	10.8	10.6	10.7	9.1	8.4	8.7
19	21.0	20.5	20.6	15.6	14.8	15.0	11.3	10.8	11.0	8.5	8.1	8.2
20	20.8	20.3	20.5	14.9	14.4	14.6	11.9	11.1	11.5	8.1	7.6	7.9
21	21.3	20.6	20.9	14.6	14.4	14.5	11.7	11.4	11.6	9.0	8.1	8.5
22	21.2	21.0	21.1	14.7	14.4	14.6	11.7	11.3	11.6	9.3	8.9	9.2
23	21.1	20.7	20.8	14.5	13.8	14.1	11.8	11.4	11.7	9.3	8.7	9.1
24	20.7	20.4	20.5	13.9	13.3	13.6	12.0	11.7	11.9	8.7	7.6	8.1
25	20.6	20.3	20.4	13.5	13.0	13.3	12.1	11.6	11.9	7.7	7.2	7.4
26	---	20.1	---	13.6	13.2	13.3	11.6	11.0	11.2	7.6	7.2	7.4
27	20.7	20.3	20.4	13.8	13.4	13.5	11.0	10.1	10.6	7.6	7.1	7.4
28	21.5	20.6	20.9	13.8	13.3	13.5	10.1	9.6	9.9	7.9	7.2	7.5
29	22.4	21.4	21.7	13.4	12.6	12.9	9.9	9.3	9.6	8.5	7.6	8.0
30	22.9	22.3	22.5	12.7	12.0	12.3	9.3	8.8	9.0	9.4	8.4	8.9
31	22.9	22.3	22.5	---	---	---	9.4	8.7	9.0	9.4	9.3	9.4
MONTH	---	---	---	22.4	12.0	16.6	12.2	---	---	10.9	7.1	9.2

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321408 LONGITUDE 0810905 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 20.61 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10.1	9.4	9.7	12.2	12.0	12.1	15.7	14.8	15.1	20.0	19.8	19.9
2	10.5	9.8	10.1	12.4	11.9	12.1	15.8	14.8	15.2	20.8	19.9	20.2
3	10.7	10.1	10.5	12.1	11.7	11.9	16.3	15.3	15.8	20.5	19.7	20.1
4	11.3	10.7	10.9	12.1	11.7	11.9	16.8	16.0	16.4	20.1	19.4	19.8
5	11.4	10.9	11.2	12.6	11.9	12.2	17.7	16.6	17.1	20.2	19.6	19.9
6	11.3	11.1	11.2	13.4	12.5	13.0	18.1	17.5	17.8	20.5	19.7	20.1
7	11.2	10.7	11.0	13.9	13.3	13.6	18.6	18.0	18.3	21.0	20.3	20.6
8	10.7	10.4	10.6	14.2	13.7	13.9	18.5	17.8	18.2	21.8	20.9	21.3
9	10.5	10.2	10.4	14.1	14.0	14.0	17.8	16.7	17.3	22.7	21.7	22.1
10	11.1	10.3	10.7	14.0	13.5	13.7	16.7	15.3	16.0	22.8	22.2	22.5
11	11.2	10.6	10.9	14.0	13.2	13.5	15.3	14.2	14.8	22.9	22.0	22.5
12	11.1	10.4	10.7	14.5	13.6	14.0	14.8	14.0	14.3	22.8	22.1	22.4
13	10.9	10.4	10.7	14.8	14.3	14.5	15.2	14.3	14.7	22.3	21.5	21.9
14	10.8	10.4	10.7	14.8	14.5	14.7	16.0	14.8	15.3	21.7	20.9	21.3
15	11.6	10.6	11.0	14.6	13.9	14.2	16.9	15.8	16.3	20.9	20.4	20.7
16	11.7	11.5	11.6	14.0	13.6	13.8	17.4	16.5	17.0	20.7	20.1	20.4
17	11.5	11.0	11.2	13.8	13.5	13.7	18.0	17.1	17.5	21.0	20.1	20.5
18	11.0	10.7	10.8	14.2	13.6	13.8	18.6	17.7	18.1	21.2	20.7	20.9
19	10.9	10.2	10.6	14.9	13.9	14.3	18.9	18.3	18.5	21.0	20.6	20.8
20	10.8	10.2	10.5	15.7	14.6	15.1	18.7	18.4	18.5	20.6	20.0	20.3
21	10.7	10.1	10.4	16.8	15.3	16.0	18.6	18.1	18.4	20.2	19.9	20.1
22	11.6	10.5	10.9	17.5	16.0	16.6	19.1	18.4	18.7	20.1	19.8	20.0
23	12.4	11.3	11.8	17.2	16.5	16.8	18.7	18.0	18.4	20.4	19.9	20.1
24	12.9	12.0	12.4	17.5	16.4	16.9	18.2	17.6	18.0	20.5	19.9	20.2
25	13.3	12.6	13.0	17.9	16.6	17.2	18.0	17.8	17.9	20.9	20.1	20.5
26	13.3	13.2	13.3	18.3	17.1	17.6	18.4	17.7	18.0	21.1	20.5	20.8
27	13.2	12.5	12.8	18.4	17.8	18.0	18.7	17.9	18.3	21.4	20.8	21.1
28	12.5	12.1	12.3	18.6	17.9	18.2	19.2	18.3	18.8	21.5	20.8	21.1
29	---	---	---	19.3	18.2	18.7	19.6	18.8	19.2	21.4	20.8	21.1
30	---	---	---	19.2	17.1	18.3	20.0	19.1	19.5	21.3	20.8	21.1
31	---	---	---	---	---	---	---	---	---	21.5	20.7	21.1
MONTH	13.3	9.4	11.1	---	---	---	20.0	14.0	17.2	22.9	19.4	20.8

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321408 LONGITUDE 0810905 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 20.61 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.8	21.1	21.5	24.0	23.7	23.8	25.3	25.0	25.2	27.0	26.6	26.8
2	21.8	21.1	21.5	24.4	23.7	24.1	25.5	24.8	25.2	26.8	26.4	26.6
3	21.6	21.2	21.4	24.8	24.0	24.4	25.6	25.0	25.3	26.8	26.2	26.5
4	21.6	21.3	21.4	24.8	24.4	24.6	26.0	25.3	25.6	26.9	26.3	26.6
5	22.2	21.4	21.8	24.7	24.1	24.3	25.9	25.4	25.7	27.3	26.7	27.0
6	22.1	21.7	21.9	24.8	24.0	24.3	25.7	25.4	25.5	26.8	25.7	26.3
7	22.2	21.8	22.0	24.9	24.3	24.6	25.7	25.3	25.5	25.7	24.7	25.1
8	22.4	21.9	22.1	25.1	24.3	24.7	25.3	25.0	25.1	24.7	24.0	24.3
9	22.7	22.0	22.4	25.4	24.5	24.9	25.5	24.6	24.9	24.0	23.7	23.9
10	23.1	22.3	22.7	25.6	24.8	25.2	25.0	24.5	24.8	24.0	23.6	23.8
11	23.5	22.6	23.1	25.9	25.1	25.5	24.6	24.1	24.4	23.9	23.4	23.7
12	23.8	23.1	23.5	25.8	25.2	25.5	24.6	24.2	24.4	24.2	23.5	23.9
13	24.3	23.5	23.9	25.4	25.0	25.2	25.0	24.3	24.6	24.5	23.7	24.1
14	24.5	23.7	24.1	25.0	24.5	24.7	25.2	24.5	24.8	24.9	24.2	24.6
15	24.7	23.9	24.3	24.5	24.2	24.4	25.3	24.9	25.1	25.4	24.7	25.0
16	24.9	24.2	24.5	24.9	24.1	24.5	25.8	25.1	25.4	25.7	25.1	25.4
17	24.5	23.9	24.2	25.0	24.3	24.6	25.8	25.2	25.6	25.6	25.2	25.4
18	24.0	23.6	23.8	25.1	24.4	24.7	25.9	25.3	25.7	25.4	24.9	25.1
19	24.3	23.6	24.0	25.2	24.6	24.9	25.8	25.3	25.6	25.4	24.7	25.1
20	24.5	23.9	24.3	25.2	24.4	24.8	25.7	25.4	25.6	25.5	24.9	25.2
21	24.7	24.2	24.4	25.3	24.7	25.0	25.7	25.4	25.6	25.6	25.0	25.2
22	24.3	23.8	24.1	25.4	24.8	25.1	25.8	25.5	25.7	25.2	24.8	25.0
23	24.3	23.6	24.0	25.1	24.7	24.9	26.1	25.5	25.8	25.4	25.0	25.1
24	24.5	23.6	24.0	24.7	24.1	24.4	26.4	25.8	26.1	25.4	24.9	25.1
25	24.6	23.8	24.2	24.1	23.7	23.9	26.9	26.1	26.4	25.2	24.7	25.0
26	24.7	23.9	24.3	23.9	23.4	23.7	27.2	26.2	26.6	25.3	24.9	25.1
27	24.7	24.0	24.4	23.9	23.5	23.7	27.1	26.4	26.7	25.3	25.0	25.2
28	24.4	24.0	24.2	24.2	---	---	26.9	26.6	26.8	25.5	24.9	25.2
29	24.1	23.7	23.9	25.0	24.1	24.5	26.6	26.4	26.5	25.2	24.1	24.6
30	24.2	23.6	23.9	25.4	24.5	25.0	26.9	26.3	26.6	24.2	23.3	23.6
31	---	---	---	25.6	24.9	25.2	27.0	26.6	26.8	---	---	---
MONTH	24.9	21.1	23.3	25.9	---	---	27.2	24.1	25.6	27.3	23.3	25.1

02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA

LOCATION.—Lat 32°09'57", long 81°09'14" referenced to North American Datum (NAD) of 1927, Chatham County, Hydrologic Unit 03060109, at right downstream fender of bridge on GA 25, 1.4 miles north of Port Wentworth.

DRAINAGE AREA.—Indeterminate.

COOPERATION.—U.S. Army Corps of Engineers, Savannah District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1987 to May 1998, July 1999 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and continuous water-quality monitor. Datum of gage is 0.00 feet referenced to National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to October 1, 2001, datum of gage was 3.39 feet lower.

REMARKS.—Records good. Previously published as "Savannah River at US 17, at Port Wentworth, GA".

EXTREMES FOR PERIOD OF RECORD.—Maximum gage-height recorded, 7.69 feet, February 7, 1993 and September 26, 1992; minimum gage-height recorded, -6.80 feet, April 7, 1989 and March 13, 1993, but was lower during the day when the stage went below the recordable range in stage. Extremes have been adjusted to NGVD of 1929.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded**,** 6.74 feet, April 17; minimum gage-height recorded, -5.66 feet, January 19.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 10. NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.30	-1.83	1.92	5.20	-3.63	1.62	4.55	-5.36	0.28	5.65	-5.28	0.62
2	5.32	-2.74	1.78	5.40	-3.88	1.64	5.27	-5.03	0.81	5.08	-5.54	0.36
3	5.47	-3.48	1.62	5.57	-4.24	1.43	5.24	-5.35	0.76	4.62	-5.48	-0.13
4	5.78	-4.06	1.60	5.67	-4.74	1.28	6.47	-4.60	1.70	4.83	-5.40	0.18
5	5.77	-4.55	1.47	6.02	-4.60	1.54	5.82	-4.19	1.19	4.92	-4.56	0.63
6	5.91	-4.69	1.38	5.19	-5.47	0.23	5.27	-4.48	0.76	4.39	-5.21	-0.01
7	5.92	-4.25	1.64	5.43	-4.76	0.73	5.09	-4.30	0.67	4.12	-4.30	0.09
8	6.17	-4.06	1.79	5.29	-3.79	1.13	4.73	-4.19	0.49	3.24	-4.38	-0.56
9	6.19	-3.22	1.93	5.13	-3.34	1.18	4.79	-3.16	1.00	3.15	-3.88	-0.41
10	6.15	-2.87	2.17	4.66	-3.15	0.95	5.05	-1.84	1.79	3.04	-3.30	-0.33
11	5.42	-2.66	1.87	4.19	-2.93	0.56	4.53	-2.46	0.99	3.19	-2.78	0.13
12	5.31	-2.31	1.64	3.72	-2.90	0.59	3.80	-2.63	0.46	3.42	-2.53	0.42
13	5.17	-1.93	1.71	4.05	-3.36	0.57	4.30	-3.06	1.08	4.04	-3.39	0.42
14	5.64	-1.32	2.52	4.35	-2.45	1.35	3.90	-4.35	-0.44	3.91	-3.93	0.34
15	5.96	-0.73	3.27	4.77	-2.61	1.70	4.00	-3.98	0.31	3.75	-3.96	0.16
16	5.25	-2.20	2.35	4.89	-2.65	1.56	4.00	-4.02	0.22	4.45	-4.34	0.58
17	5.12	-2.31	1.84	4.74	-4.32	0.39	4.53	-4.42	0.77	4.03	-4.96	-0.33
18	5.12	-3.04	1.84	4.56	-5.21	0.54	5.14	-3.40	1.48	4.72	-4.98	0.34
19	5.05	-2.54	1.76	5.01	-3.72	1.14	5.13	-3.34	1.18	4.03	-5.66	-0.61
20	5.00	-2.95	1.47	5.28	-3.67	1.35	4.81	-5.11	0.15	3.75	-5.60	-0.84
21	4.94	-3.30	1.32	5.40	-3.23	1.42	4.25	-4.78	-0.28	4.18	-5.49	-0.59
22	4.89	-3.24	1.34	4.92	-3.69	0.59	4.34	-5.30	-0.32	4.85	-5.05	0.43
23	5.03	-2.81	1.51	4.54	-3.60	0.42	4.31	-4.96	-0.13	4.57	-4.01	0.22
24	5.12	-2.23	1.71	4.44	-3.54	0.38	5.12	-4.12	0.72	4.14	-4.62	-0.24
25	5.11	-2.28	1.62	4.40	-3.46	0.46	3.92	-5.30	-0.70	4.13	-4.25	0.02
26	4.82	-2.46	1.31	4.52	-3.41	0.53	4.58	-4.48	-0.08	4.50	-4.51	0.09
27	4.61	-2.43	1.13	4.36	-3.33	0.31	4.61	-3.87	0.46	4.06	-4.52	0.02
28	4.65	-2.23	1.21	4.73	-3.16	0.82	4.32	-4.24	0.28	4.57	-4.72	0.50
29	4.60	-2.42	0.98	4.72	-3.89	0.75	4.42	-5.13	0.18	4.70	-4.72	0.42
30	4.70	-2.78	1.14	3.90	-5.35	-0.17	5.05	-4.92	0.76	4.89	-5.13	0.45
31	4.94	-3.10	1.49	---	---	---	5.26	-5.11	0.92	4.80	-5.03	0.45
MONTH	6.19	-4.69	1.69	6.02	-5.47	0.90	6.47	-5.36	0.56	5.65	-5.66	0.09

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 10. NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.76	-4.74	0.33	5.46	-3.81	1.54	4.89	-4.01	0.92	5.41	-3.29	1.47
2	4.64	-4.81	0.20	5.48	-4.00	1.26	4.70	-4.66	0.24	5.26	-3.15	1.34
3	4.47	-4.85	0.08	5.35	-4.33	1.15	4.68	-4.43	0.12	5.03	-3.71	1.02
4	4.15	-5.27	-0.20	5.42	-3.54	1.48	4.95	-3.94	0.45	5.69	-3.00	1.49
5	3.77	-4.75	-0.32	4.93	-4.30	1.10	4.69	-3.39	0.70	5.50	-2.45	1.92
6	3.89	-3.58	0.34	4.84	-4.31	0.55	5.16	-2.93	1.15	5.27	-2.75	1.17
7	3.89	-4.19	-0.05	4.62	-3.22	0.90	5.14	-2.08	1.44	4.75	-2.74	0.74
8	2.85	-3.76	-0.28	4.69	-2.91	1.14	4.77	-2.21	1.44	4.48	-2.81	0.61
9	3.11	-2.85	0.16	4.69	-2.04	1.24	5.03	-1.40	1.76	4.43	-3.03	0.56
10	3.61	-2.56	0.08	4.29	-1.78	1.43	5.01	-2.14	1.50	4.37	-3.44	0.57
11	3.57	-2.77	0.08	4.39	-1.87	1.36	4.95	-2.09	1.42	4.56	-4.18	0.63
12	3.61	-3.87	-0.19	4.29	-1.87	1.03	5.07	-2.77	1.67	4.66	-4.96	0.49
13	3.70	-4.32	-0.24	4.46	-2.12	1.12	5.30	-3.48	1.69	5.50	-4.84	0.97
14	3.95	-4.16	0.07	4.79	-2.16	1.76	5.48	-3.97	1.65	5.99	-4.95	1.27
15	4.43	-5.02	0.18	5.61	-2.53	2.16	5.88	-4.52	1.61	6.11	-4.66	1.49
16	5.11	-5.46	0.85	5.66	-3.56	1.74	6.39	-4.40	1.75	6.24	-5.07	1.19
17	5.38	-4.78	0.77	6.01	-4.30	1.89	6.74	-4.08	1.99	6.46	-4.51	1.37
18	4.95	-5.33	0.32	6.14	-4.14	1.94	6.65	-3.77	2.16	6.20	-3.61	1.84
19	5.13	-5.20	0.52	6.45	-3.74	2.15	6.39	-3.38	2.03	6.21	-3.01	2.03
20	5.17	-4.81	0.66	6.05	-3.97	2.08	6.39	-3.19	2.02	6.28	-2.44	2.08
21	5.17	-4.16	1.08	5.97	-4.00	1.59	6.21	-2.66	2.06	5.77	-2.71	1.56
22	5.26	-4.03	1.18	5.97	-3.83	1.45	5.88	-2.83	1.60	5.07	-2.76	1.42
23	4.40	-5.34	-0.43	5.60	-3.26	1.45	5.04	-2.32	1.79	4.58	-3.02	1.18
24	4.49	-3.93	0.27	5.38	-2.68	1.57	5.08	-2.41	1.67	4.74	-2.76	1.52
25	4.54	-3.78	0.42	5.29	-2.14	1.70	4.90	-2.49	1.67	4.77	-2.73	1.57
26	4.84	-2.54	1.41	5.10	-2.50	1.52	4.80	-3.31	1.44	4.81	-2.92	1.32
27	5.36	-3.13	1.51	5.10	-2.29	2.04	5.24	-3.02	1.77	4.73	-3.33	1.14
28	5.11	-3.50	1.12	5.60	-2.30	2.28	5.30	-2.95	1.83	5.23	-3.08	1.44
29	---	---	---	5.24	-2.87	1.80	5.31	-3.51	1.53	4.95	-3.49	1.05
30	---	---	---	5.01	-3.94	1.15	5.39	-3.44	1.36	5.23	-3.50	1.11
31	---	---	---	5.05	-3.91	1.00	---	---	---	4.81	-3.80	0.84
MONTH	5.38	-5.46	0.35	6.45	-4.33	1.50	6.74	-4.66	1.48	6.46	-5.07	1.24

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 10. NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5.10	-4.10	0.63	5.68	-3.64	1.11	5.19	-4.48	0.58	5.26	-4.38	0.93
2	5.23	-3.23	1.07	4.84	-4.10	0.71	5.12	-4.24	0.88	5.15	-4.10	0.84
3	5.06	-2.63	1.29	4.88	-4.34	0.30	5.12	-4.37	0.86	5.06	-3.77	0.84
4	4.85	-3.24	0.95	4.80	-4.40	0.28	4.73	-4.33	0.49	5.17	-3.54	0.93
5	4.74	-3.40	0.56	4.80	-4.15	0.54	4.88	-4.35	0.52	5.54	-3.75	1.25
6	4.77	-3.04	1.00	4.65	-4.13	0.51	5.13	-4.57	0.48	5.73	-2.68	2.15
7	5.04	-3.16	0.99	4.59	-4.33	0.46	5.26	-4.42	0.72	5.83	-2.75	2.08
8	4.79	-3.46	0.77	4.81	-4.73	0.50	5.36	-4.51	0.98	5.89	-3.22	1.98
9	4.81	-4.20	0.88	5.27	-4.56	0.76	5.51	-4.91	0.86	6.04	-3.03	2.07
10	5.41	-4.07	1.34	5.59	-4.90	0.93	5.36	-5.09	0.54	5.76	-3.01	2.04
11	5.90	-4.59	1.54	5.69	-5.34	0.79	5.44	-4.92	0.66	5.82	-2.51	2.28
12	6.05	-4.95	1.45	5.79	-5.33	0.68	5.43	-4.74	0.78	5.66	-2.62	2.21
13	6.04	-5.04	1.17	5.67	-5.17	0.86	5.43	-4.40	0.91	5.18	-2.83	1.71
14	6.05	-5.00	1.14	5.53	-4.99	0.87	5.10	-4.06	1.05	5.11	-3.11	1.52
15	6.01	-4.90	1.02	5.55	-4.47	0.89	4.86	-4.10	0.91	4.85	-2.76	1.46
16	5.86	-4.64	1.01	5.10	-4.22	0.91	4.64	-3.98	0.85	4.82	-2.39	1.63
17	5.63	-3.95	1.23	4.89	-4.19	0.71	4.33	-3.97	0.60	4.97	-0.88	2.06
18	5.62	-3.71	1.39	4.71	-3.88	0.74	4.09	-3.73	0.42	4.76	-1.53	1.73
19	5.19	-3.93	1.02	4.26	-4.08	0.48	4.47	-2.99	0.74	4.21	-2.20	0.92
20	4.70	-3.82	0.72	4.38	-3.74	0.71	4.44	-2.55	1.02	4.64	-2.07	1.14
21	4.93	-3.27	1.42	4.43	-2.96	0.82	4.42	-2.40	0.99	5.17	-1.88	1.73
22	4.99	-2.51	1.55	4.16	-3.59	0.28	4.37	-2.65	0.84	5.33	-2.22	1.98
23	4.85	-2.75	1.43	3.76	-3.48	-0.06	4.35	-2.98	0.67	5.43	-3.23	1.66
24	4.81	-3.06	1.26	4.01	-3.56	0.12	4.84	-3.30	0.79	5.98	-2.86	2.15
25	4.92	-3.22	1.15	4.31	-3.42	0.58	5.39	-3.23	1.34	6.27	-3.25	2.23
26	5.00	-3.15	1.14	4.89	-3.37	0.82	5.59	-3.77	1.22	6.22	-3.48	2.25
27	5.14	-3.46	1.09	4.95	-3.77	0.70	5.70	-4.27	1.12	6.16	-3.52	2.25
28	5.30	-3.29	1.17	5.05	-4.28	0.50	5.54	-4.79	0.92	6.08	-3.71	1.87
29	5.06	-3.97	0.81	5.19	-4.43	0.45	5.57	-4.77	0.98	6.01	-3.62	1.88
30	5.23	-3.57	0.95	5.19	-4.60	0.42	5.41	-4.49	1.10	6.05	-3.13	2.02
31	---	---	---	5.17	-4.75	0.46	5.17	-4.47	1.00	---	---	---
MONTH	6.05	-5.04	1.10	5.79	-5.34	0.61	5.70	-5.09	0.83	6.27	-4.38	1.73
YEAR	6.74	-5.66	1.01									

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321408 LONGITUDE 0810905 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 20.61 NGVD29

WORKING

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.02	0.00	0.00	0.02	0.00	0.59	0.00	1.18	0.00	0.09	0.31	0.11
2	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.02	0.00	0.27	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	1.00	0.00	0.00	0.08
4	0.00	0.09	0.00	0.00	0.06	0.32	0.00	0.00	0.66	0.23	0.06	0.03
5	0.00	0.42	0.20	0.00	0.00	0.01	0.69	0.00	0.00	0.43	0.00	0.71
6	0.00	0.76	0.00	0.00	0.17	0.29	0.00	0.03	0.77	0.00	0.31	0.62
7	0.00	0.00	0.00	0.00	0.12	1.18	0.33	0.00	0.15	0.74	0.09	0.62
8	0.89	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.20	0.00	0.05	0.00
9	0.02	0.00	0.12	0.00	0.03	0.00	0.81	0.00	0.03	0.00	0.12	0.00
10	3.56	0.33	0.62	0.00	0.24	0.00	0.46	0.00	0.02	0.00	0.26	0.00
11	0.36	0.27	0.15	0.00	0.00	0.00	0.07	0.81	0.00	0.00	0.83	0.00
12	0.00	0.48	0.02	0.00	0.00	0.00	0.00	0.01	0.07	0.03	0.28	0.00
13	0.12	0.06	0.60	0.00	0.00	0.29	0.00	0.00	---	0.00	0.00	0.00
14	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	---	0.39	0.00	0.00
15	0.14	0.00	0.00	0.00	0.00	0.09	0.00	0.02	---	0.00	0.36	0.00
16	0.00	1.19	0.00	0.01	0.67	0.00	0.00	0.73	---	0.00	0.05	0.00
17	0.00	0.07	0.00	0.01	0.07	0.94	0.00	0.00	---	0.59	0.03	0.00
18	0.00	0.00	0.00	0.00	0.00	0.04	0.01	1.35	---	0.00	0.02	0.00
19	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.00	---	1.50	0.00	0.00
20	0.00	0.00	0.15	0.00	0.00	0.39	0.00	0.00	---	0.00	0.00	0.00
21	0.00	0.07	0.00	0.00	0.32	0.01	0.00	0.00	---	0.40	0.00	0.00
22	0.00	0.00	0.00	0.24	0.56	0.00	0.00	1.10	---	0.14	0.00	0.03
23	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.07	---	0.92	0.11	0.26
24	0.13	0.00	1.01	0.00	0.00	0.00	0.00	0.00	---	1.28	0.00	0.00
25	0.00	0.00	0.03	0.00	0.00	0.00	0.36	0.45	---	0.26	0.00	0.00
26	0.00	0.00	0.00	0.00	0.07	0.00	0.08	0.00	---	0.11	0.00	0.24
27	0.03	0.00	0.00	0.00	0.48	0.00	0.00	0.04	---	1.08	0.00	0.00
28	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.07	0.00	0.00
29	0.01	0.00	0.00	0.00	---	0.00	0.00	0.00	---	0.00	0.00	0.00
30	0.38	0.00	0.00	0.00	---	0.27	0.00	0.00	---	0.00	0.00	0.00
31	0.00	---	0.25	0.00	---	0.00	---	0.00	---	0.01	0.00	---
TOTAL	6.17	3.74	3.15	0.29	2.79	5.38	3.84	6.11	---	8.54	2.88	2.70

02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA

LOCATION.—Lat 32°09'57", long 81°09'14" referenced to North American Datum (NAD) of 1927, Chatham County, Hydrologic Unit 03060109, at right downstream fender of bridge on GA 25, 1.4 miles north of Port Wentworth.

DRAINAGE AREA.—Not determined.

COOPERATION.—U.S. Army Corps of Engineers, Savannah District.

PERIOD OF RECORD.—October 1987 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: October 1987 to May 1998, June 1999 to current year.
WATER TEMPERATURE: November 1999 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 32,600 microsiemens, April 18, 2001; minimum recorded, 30 microsiemens, January 2, 3, April 2-8, 10, 11, 1993, October 4, 1994, October 28, 1995.
WATER TEMPERATURE: Maximum recorded, 31.7 °C, July 20, 2002; minimum recorded, 5.0°, January 4, 2001.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum, 29,300 microsiemens, September 19; minimum recorded, 71 microsiemens, July 16.
WATER TEMPERATURE: Maximum, 28.1.1 °C, October 7; minimum recorded, 7.2°, January 28.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 10. NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24300	312	12100	19000	389	10300	14500	245	6130	6260	248	1400
2	20800	269	10800	17900	434	8990	14000	273	5960	4690	259	1200
3	17800	251	8740	16200	418	7430	11400	272	4520	2500	282	825
4	14600	257	7200	14100	338	5900	14800	280	5600	5170	276	1780
5	13800	258	6100	13300	340	5300	12300	336	4270	8210	275	2740
6	12800	296	5700	8730	183	3000	9790	280	3330	7440	288	2380
7	11600	371	5240	10900	226	3450	10900	275	3600	9170	292	2960
8	11500	330	4770	10500	257	3570	11700	271	3990	11900	299	3330
9	13800	277	5030	12100	243	4020	13300	268	5080	15400	302	5280
10	14900	265	5160	13600	235	4430	17500	359	7190	19300	341	6760
11	11700	179	3770	14000	229	4690	18100	314	7030	22700	852	10600
12	13800	181	4550	15600	234	5880	18500	307	7200	24200	1400	11700
13	17300	207	6480	20800	235	8750	19800	333	9000	26700	702	12100
14	19100	272	9260	21500	350	10700	20500	312	8260	25600	662	11800
15	23600	569	12100	22500	334	10700	22900	319	10900	23100	540	11400
16	22500	313	10400	21400	262	8600	20900	375	9300	21900	474	10800
17	20700	322	10400	19000	224	6090	20900	300	9280	17900	382	7700
18	19500	332	10100	13600	211	5360	18300	313	7390	15700	364	7280
19	17700	308	8920	12800	217	4740	13700	284	4610	12300	355	5100
20	16400	294	7740	13200	208	4590	10600	249	2710	10400	353	4390
21	14800	250	6590	12900	214	4390	9060	249	3050	11000	360	4660
22	14400	255	6560	11300	215	3260	11500	260	3830	10900	369	4860
23	16000	300	7350	11800	217	3710	11400	279	4390	10500	368	4240
24	18200	275	8090	14300	216	4930	12800	297	4980	12800	352	4770
25	17600	274	7700	14700	222	5130	8680	284	2710	13900	378	5740
26	17300	287	7620	16900	228	6060	16000	284	5510	15300	367	6430
27	21100	268	9040	16400	242	6250	16200	281	6370	13600	372	5730
28	22300	376	10200	17400	288	8010	13300	275	4900	13100	373	6160
29	22400	402	10000	17400	281	7680	10000	244	2630	14000	375	5710
30	20300	396	10800	13600	248	5420	6910	243	1900	11800	363	5100
31	20100	416	11000	---	---	---	6410	249	1510	10800	367	4440
MONTH	24300	179	8050	22500	183	6040	22900	243	5390	26700	248	5790

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 10. NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	6610	111	1860	139	96	100	371	90	170
2	---	---	---	5320	113	1190	125	90	97	242	93	121
3	---	---	---	2160	107	667	119	97	102	220	88	121
4	---	---	---	1600	109	459	134	100	106	4890	86	513
5	---	---	---	670	109	284	156	106	113	4240	86	662
6	---	---	---	1310	111	316	248	110	123	3330	86	422
7	---	---	---	3920	111	485	248	119	138	3480	86	289
8	---	---	---	8510	110	1150	3290	128	220	3540	91	444
9	---	---	---	8160	118	1560	4550	135	701	6380	104	1030
10	---	---	---	8810	104	1880	9220	137	1380	13300	93	2340
11	---	---	---	9200	95	1860	11300	132	1920	9900	78	2470
12	---	---	---	14300	93	2510	13500	125	2910	8700	78	2380
13	---	---	---	19300	97	3030	10200	117	2600	6560	80	1970
14	---	---	---	21100	97	3990	3250	113	767	3200	82	774
15	---	---	---	19800	98	4440	583	109	231	896	81	340
16	---	---	---	10600	96	2150	211	94	134	369	80	163
17	---	---	---	2730	93	533	144	90	108	205	78	110
18	---	---	---	383	92	169	129	91	99	181	77	96
19	---	---	---	181	90	115	117	91	99	361	75	87
20	---	---	---	155	88	102	116	98	103	141	74	81
21	---	---	---	140	88	96	161	99	107	347	73	89
22	---	---	---	141	86	93	132	108	111	175	74	78
23	---	---	---	156	86	91	160	110	118	196	74	81
24	---	---	---	130	86	89	147	113	120	176	76	88
25	11500	123	3300	89	86	87	161	117	123	188	80	88
26	11500	123	4240	90	88	88	188	122	132	160	79	91
27	12000	116	3500	92	89	90	786	128	194	210	84	99
28	8230	112	2200	128	91	94	1310	131	268	4360	83	448
29	---	---	---	138	93	97	408	132	184	3400	81	346
30	---	---	---	127	95	99	257	130	161	2830	80	349
31	---	---	---	119	96	99	---	---	---	986	80	144
MONTH	---	---	---	21100	86	960	13500	90	452	13300	73	532

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 10. NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	2070	79	265	1720	90	279	210	78	93	243	94	139
2	1070	78	178	940	96	138	175	79	86	260	94	142
3	275	77	90	464	103	129	260	82	95	388	95	162
4	162	75	83	1790	102	194	184	87	97	3170	99	577
5	156	76	82	2020	87	320	260	93	112	7320	108	1640
6	214	76	88	2100	81	334	262	94	123	7650	112	2410
7	261	73	84	1340	79	290	1870	91	345	8060	116	2380
8	97	72	75	1230	79	240	1500	86	279	6570	121	2120
9	306	73	84	2220	78	369	1300	84	256	7830	125	2120
10	190	74	85	660	78	201	443	81	160	5600	125	1670
11	232	76	85	217	76	107	269	75	104	6410	126	1920
12	190	78	87	180	75	93	231	77	95	6370	129	2100
13	149	82	90	106	74	84	129	80	89	6610	127	2030
14	171	83	92	154	72	83	226	82	90	7420	129	2470
15	147	87	94	135	72	79	207	84	93	9870	140	3260
16	197	89	98	250	71	80	219	84	94	15200	140	4640
17	253	88	97	212	72	81	300	83	103	23500	192	7450
18	394	83	93	224	73	85	2760	82	244	27000	231	9760
19	394	82	100	101	75	77	5980	79	602	29300	174	8860
20	214	82	92	207	75	82	4910	78	480	29100	264	10900
21	2480	82	253	127	79	85	11600	78	964	27500	216	11600
22	4940	82	464	329	85	100	7210	81	862	25200	214	10100
23	3910	82	390	847	90	126	9200	84	949	19700	177	8250
24	3150	82	342	3080	90	304	16500	86	2230	15600	177	7390
25	4470	82	482	2860	84	477	18300	94	3990	13700	195	5940
26	5510	83	567	10900	82	955	10200	96	2490	10800	183	4370
27	5060	85	640	9400	82	1230	4280	101	1100	9990	178	3590
28	3870	85	449	4790	77	665	1040	98	334	8710	157	2680
29	1250	86	196	2080	78	361	466	96	198	8900	137	2440
30	465	86	135	469	78	142	363	94	172	10400	137	2940
31	---	---	---	273	78	114	302	96	152	---	---	---
MONTH	5510	72	199	10900	71	255	18300	75	551	29300	94	4200

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 10. NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	27.6	26.2	27.0	22.1	21.4	21.9	14.3	11.7	13.0	10.5	9.4	10.1
2	27.5	26.1	26.9	21.9	20.6	21.4	13.8	11.6	12.6	10.8	10.2	10.5
3	27.5	26.1	26.8	21.4	20.0	20.7	13.1	11.3	12.2	11.0	10.6	10.8
4	27.4	26.2	26.8	21.0	19.2	20.1	13.1	11.2	12.1	10.9	10.4	10.7
5	27.5	26.4	27.0	20.6	18.9	19.7	12.5	10.6	11.4	11.0	10.1	10.5
6	27.8	26.8	27.3	20.2	18.9	19.5	11.9	10.4	11.1	11.0	9.9	10.4
7	28.1	27.1	27.7	19.9	18.2	19.0	12.0	10.3	11.1	11.0	9.6	10.2
8	28.0	27.0	27.5	19.7	17.5	18.6	11.9	10.2	11.0	10.8	9.2	9.9
9	27.7	25.8	26.8	19.4	17.3	18.4	11.8	10.4	11.1	10.9	9.3	10.1
10	27.2	25.1	26.1	19.4	17.5	18.4	11.7	10.2	11.0	11.2	10.0	10.5
11	26.7	24.6	25.5	19.6	17.9	18.7	11.8	10.4	11.0	11.1	9.9	10.5
12	26.5	24.5	25.5	19.7	18.6	19.1	11.7	10.4	11.0	11.0	9.8	10.4
13	26.4	24.8	25.6	19.8	18.7	19.2	11.8	10.6	11.3	10.7	9.7	10.2
14	26.2	24.2	25.5	19.8	18.1	19.0	11.8	11.0	11.3	10.7	9.5	10.1
15	26.0	23.3	24.9	19.7	17.7	18.8	11.7	10.6	11.2	10.5	9.4	10
16	25.5	22.2	24.0	19.6	17.4	18.4	11.7	10.5	11.0	10.4	9.3	9.9
17	24.7	21.6	23.2	19.3	16.3	17.7	11.6	10.6	11.0	10.3	9.4	9.8
18	23.9	21.0	22.5	18.2	15.5	16.7	11.6	10.6	11.1	10.0	8.8	9.5
19	23.1	20.6	21.8	17.5	15.0	16.1	11.8	10.9	11.4	9.5	8.2	8.8
20	22.6	20.5	21.5	17.1	14.6	15.7	12.3	11.4	11.9	9.3	7.9	8.6
21	22.3	20.6	21.5	16.7	14.4	15.4	12.3	11.6	11.9	9.7	8.1	8.9
22	22.2	21.1	21.6	16.3	14.5	15.2	12.3	11.3	11.8	9.7	8.9	9.3
23	22.1	20.9	21.5	16.1	14.0	14.8	12.6	11.5	12.0	9.8	8.9	9.3
24	22.0	20.6	21.3	15.8	13.5	14.5	12.7	11.7	12.2	9.7	8.0	8.7
25	21.8	20.4	21.1	15.5	13.2	14.3	12.8	11.8	12.3	9.2	7.4	8.3
26	21.7	20.2	21.0	15.5	13.2	14.3	12.7	11.2	11.8	9.1	7.3	8.2
27	21.8	20.3	21.1	15.6	13.3	14.3	12.3	10.5	11.4	8.8	7.3	8.0
28	22.0	20.6	21.3	15.5	13.2	14.3	12.0	9.7	10.8	8.5	7.2	7.9
29	22.5	21.3	21.7	15.2	12.6	13.9	11.3	9.5	10.1	8.5	7.6	8.1
30	22.6	22.0	22.2	14.5	12.2	13.2	10.7	8.9	9.8	9.1	8.2	8.7
31	22.6	22.0	22.2	---	---	---	10.4	8.9	9.5	9.6	8.9	9.3
MONTH	28.1	20.2	24.1	22.1	12.2	17.4	14.3	8.9	11.4	11.2	7.2	9.6

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 10. NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	12.9	12.1	12.5	15.8	14.9	15.2	20.6	19.8	20.1
2	---	---	---	13.0	12.1	12.5	15.9	15.0	15.3	21.5	19.8	20.4
3	---	---	---	13.0	12.0	12.5	16.4	15.5	15.9	21.0	20.3	20.7
4	---	---	---	12.7	11.8	12.2	17.0	16.1	16.4	21.0	19.7	20.3
5	---	---	---	13.0	11.9	12.4	17.6	16.6	17.1	21.1	19.9	20.5
6	---	---	---	13.9	12.5	13.1	18.4	17.5	17.9	21.2	20.0	20.6
7	---	---	---	14.4	13.3	13.6	18.9	18.0	18.3	21.7	20.4	20.9
8	---	---	---	15.0	13.6	14.0	19.1	18.0	18.4	22.3	21.0	21.4
9	---	---	---	14.8	14.0	14.2	18.5	17.2	17.6	23.2	21.7	22.2
10	---	---	---	14.6	13.7	14.1	17.8	15.6	16.5	23.5	22.4	22.8
11	---	---	---	14.7	13.3	13.9	17.2	14.6	15.4	23.4	22.3	22.9
12	---	---	---	15.1	13.8	14.2	16.9	14.2	15.0	23.3	22.4	22.9
13	---	---	---	15.1	14.1	14.6	16.0	14.5	15.2	23.0	21.9	22.5
14	---	---	---	15.1	14.2	14.8	16.0	15.1	15.6	22.4	21.4	21.9
15	---	---	---	14.9	14.0	14.4	17.2	15.8	16.4	21.8	20.8	21.3
16	---	---	---	14.4	13.8	14.1	17.7	16.6	17.2	21.5	20.5	21.0
17	---	---	---	14.4	13.7	14.0	18.4	17.1	17.7	21.6	20.3	21.0
18	---	---	---	14.4	13.7	14.0	19.1	17.8	18.4	21.8	20.8	21.3
19	---	---	---	15.1	14.0	14.5	19.3	18.4	18.8	21.8	20.9	21.2
20	---	---	---	16.2	14.9	15.4	19.3	18.5	18.7	21.4	20.2	20.7
21	---	---	---	16.9	15.6	16.2	19.1	18.2	18.6	21.3	20.0	20.4
22	---	---	---	17.4	16.3	16.8	19.2	18.4	18.9	20.4	19.9	20.2
23	---	---	---	17.4	16.7	17.0	19.1	18.2	18.6	20.6	20.0	20.3
24	---	---	---	17.5	16.5	17.0	18.6	17.8	18.1	21.3	20.1	20.5
25	13.2	12.5	12.8	17.8	16.7	17.2	18.2	17.9	18.0	21.2	20.3	20.6
26	13.5	12.9	13.2	18.2	17.2	17.6	18.7	17.8	18.1	21.3	20.6	20.9
27	13.5	12.5	13.1	18.3	17.8	18.1	19.1	18.2	18.5	21.9	21.0	21.3
28	13.1	12.2	12.6	18.6	18.0	18.3	19.5	18.6	18.9	22.1	21.1	21.4
29	---	---	---	19.3	18.4	18.8	20.0	19.0	19.4	21.9	21.0	21.3
30	---	---	---	19.3	17.5	18.6	20.5	19.3	19.8	22.1	21.0	21.4
31	---	---	---	17.5	15.7	16.4	---	---	---	22.0	20.9	21.3
MONTH	---	---	---	19.3	11.8	15.1	20.5	14.2	17.5	23.5	19.7	21.2

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320957 LONGITUDE 0810914 NAD27 DRAINAGE AREA 10300.00 CONTRIBUTING DRAINAGE AREA DATUM 10. NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.4	21.3	21.7	24.5	23.9	24.1	26.0	25.1	25.5	27.8	26.6	27.3
2	22.4	21.4	21.8	24.8	23.8	24.2	26.0	24.9	25.4	27.8	26.4	27.1
3	22.2	21.4	21.7	25.4	24.1	24.5	26.1	25.1	25.5	27.6	26.3	26.9
4	22.1	21.4	21.6	25.4	24.5	24.9	26.2	25.3	25.7	27.5	26.5	27.0
5	22.6	21.5	21.9	25.4	24.4	24.9	26.3	25.6	25.9	27.7	26.7	27.2
6	22.6	21.9	22.2	25.4	24.1	24.8	26.3	25.5	25.9	27.5	25.8	26.9
7	22.6	21.9	22.2	25.6	24.5	25.0	26.1	25.4	25.7	26.7	24.9	25.8
8	22.6	22.0	22.3	25.7	24.5	25.1	26.2	25.1	25.6	25.8	24.4	25.0
9	23.1	22.1	22.6	25.9	24.8	25.4	25.9	24.9	25.4	25.5	23.9	24.5
10	23.4	22.5	22.9	26.2	25.1	25.6	25.8	24.8	25.2	24.9	23.8	24.3
11	24.0	22.9	23.4	26.4	25.4	25.9	25.2	24.5	24.8	24.8	23.5	24.1
12	24.4	23.4	23.8	26.6	25.6	25.9	25.3	24.3	24.7	24.8	23.5	24.2
13	24.8	23.7	24.1	26.0	25.2	25.5	25.6	24.4	24.9	25.0	23.8	24.4
14	25.0	23.8	24.3	25.4	24.7	25.0	25.8	24.7	25.2	25.4	24.2	24.8
15	25.2	24.1	24.6	25.0	24.3	24.6	25.9	25.0	25.4	25.8	24.6	25.2
16	25.7	24.4	24.9	25.6	24.2	24.6	26.2	25.1	25.6	26.2	25.1	25.6
17	25.5	24.4	24.7	25.3	24.4	24.8	26.3	25.4	25.9	26.6	25.2	25.7
18	25.0	23.8	24.2	25.4	24.5	24.9	26.3	25.5	25.9	26.6	24.9	25.6
19	25.0	23.7	24.1	25.4	24.7	25.0	26.2	25.5	25.8	26.4	24.9	25.5
20	24.9	24.1	24.4	25.3	24.5	24.9	26.0	25.5	25.8	26.4	25.0	25.6
21	25.0	24.3	24.6	25.4	24.8	25.1	26.3	25.5	25.7	26.3	25.2	25.7
22	24.8	24.0	24.4	25.6	24.9	25.2	26.2	25.5	25.8	26.0	25.1	25.6
23	24.7	23.8	24.2	25.4	24.8	25.0	26.8	25.6	26.0	26.0	25.0	25.5
24	24.7	23.8	24.2	25.3	24.3	24.6	27.2	25.9	26.3	26.1	25.1	25.6
25	24.9	24.0	24.4	24.7	23.8	24.2	27.2	26.3	26.6	26.0	24.9	25.4
26	25.2	24.2	24.5	25.0	23.6	24.0	27.4	26.4	26.8	25.9	24.9	25.5
27	25.4	24.4	24.6	25.0	23.8	24.1	27.5	26.7	27.1	26.0	25.1	25.6
28	25.3	24.3	24.6	24.7	23.6	24.1	28.0	26.7	27.2	26.2	25.0	25.7
29	24.7	24.0	24.2	25.6	24.1	24.7	27.7	26.5	27.1	26.1	24.4	25.2
30	24.6	23.8	24.1	26.2	24.7	25.2	27.8	26.3	27.0	25.6	23.4	24.3
31	---	---	---	26.5	25.0	25.5	27.8	26.6	27.2	---	---	---
MONTH	25.7	21.3	23.6	26.6	23.6	24.9	28.0	24.3	25.9	27.8	23.4	25.6

SAVANNAH RIVER BASIN
2003 Water Year

02198977 SAVANNAH RIVER AT BROAD STREET AT SAVANNAH, GA

LOCATION.—Lat 32°05'02", long 81°05'45" referenced to North American Datum (NAD) of 1927, Chatham County, Hydrologic Unit 3060109, at downstream side of seawall at SEPCO Riverside Power Plant, located on River Street at the foot of Martin Luther King Jr. Boulevard, 0.4 miles northwest of U.S. Customs House at Savannah.

DRAINAGE AREA.—Indeterminate.

COOPERATION.—U.S. Army Corps of Engineers, Savannah District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1987 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum is 0.00 feet referenced to National Geodetic Vertical Datum (NGVD) of 1929, supplementary adjustment of 1936 (levels by U.S. Army Corps of Engineers). Prior to October 1, 2001, gage datum was 3.46 feet lower.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage-height recorded, 7.58 feet, February 7, 1993; minimum gage-height recorded, -6.38 feet, November 6, 2002. Extremes have been adjusted to NGVD of 1929 (SA of 1936).

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 6.85 feet, June 14; minimum gage-height recorded, -6.38 feet, November 6.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 14, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198977 SAVANNAH RIVER AT BROAD STREET, AT SAVANNAH, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320502 LONGITUDE 0810545 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 0.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.12	-1.86	1.79	4.91	-3.53	1.49	4.41	-5.54	0.26	5.81	-5.00	0.71
2	5.13	-2.74	1.64	5.18	-3.60	1.51	5.26	-4.88	0.77	5.18	-5.25	0.46
3	5.33	-3.47	1.47	---	---	---	5.24	-5.48	0.75	4.69	-5.20	0.00
4	5.66	-4.04	1.45	5.73	-4.62	1.27	6.64	-4.40	1.73	4.88	-5.13	0.34
5	5.67	-4.68	1.31	6.12	-4.45	1.51	5.90	-4.06	1.20	5.01	-4.22	0.77
6	5.85	-4.75	1.22	5.22	-6.38	0.11	5.32	-4.29	0.81	4.43	-4.83	0.13
7	---	---	---	5.39	-4.66	0.71	5.10	-4.10	0.72	4.14	-4.06	0.24
8	6.15	-4.10	1.64	5.24	-3.63	1.08	4.68	-3.98	0.54	3.13	-4.13	-0.41
9	---	---	---	5.08	-3.19	1.15	4.82	-2.93	1.07	3.16	-3.62	-0.25
10	6.13	-2.68	2.04	4.60	-3.12	0.93	---	---	---	3.01	-3.14	-0.18
11	5.09	-2.53	1.69	4.09	-2.82	0.56	4.52	-2.33	1.03	3.19	-2.56	0.30
12	4.96	-2.22	1.46	3.59	-2.69	0.59	---	---	---	3.51	-2.25	0.59
13	4.83	-1.83	1.55	4.00	-3.11	0.62	4.24	-2.93	1.13	4.02	-3.16	0.57
14	5.30	-1.22	2.32	4.26	-2.35	1.36	3.87	-4.13	-0.36	3.95	-3.65	0.51
15	5.65	-0.69	3.03	4.68	-2.52	1.69	3.92	-3.65	0.38	3.76	-3.72	0.33
16	4.92	-2.13	2.15	4.81	-2.60	1.57	3.88	-3.97	0.30	4.46	-4.07	0.71
17	4.76	-2.35	1.67	4.68	-4.41	0.40	4.50	-4.20	0.83	4.02	-4.68	-0.18
18	4.77	-2.87	1.68	4.22	-5.27	0.35	5.25	-3.22	1.52	4.80	-4.80	0.49
19	4.69	-2.38	1.59	4.69	-3.81	0.92	---	---	---	4.02	-5.66	-0.45
20	4.66	-2.75	1.32	5.02	-3.71	1.16	4.79	-4.78	0.20	3.72	-5.54	-0.73
21	4.60	-3.08	1.19	5.17	-3.24	1.23	4.20	-4.58	-0.17	4.05	-5.61	-0.57
22	4.55	-3.05	1.22	4.71	-3.70	0.44	4.29	-5.00	-0.22	4.75	-4.93	0.44
23	4.73	-2.89	1.38	4.28	-3.60	0.29	4.26	-4.67	-0.02	4.42	-3.89	0.22
24	4.85	-2.05	1.60	4.24	-3.54	0.25	5.12	-3.98	0.79	3.96	-4.45	-0.21
25	4.81	-2.24	1.51	4.16	-3.48	0.34	3.86	-5.04	-0.58	3.98	-4.12	0.02
26	4.50	-2.22	1.21	4.29	-3.40	0.43	4.53	-4.31	0.01	4.39	-4.42	0.10
27	4.30	-2.22	1.05	4.15	-3.30	0.22	4.56	-3.62	0.53	3.98	-4.30	0.06
28	4.32	-2.07	1.11	4.53	-3.46	0.73	4.23	-3.96	0.35	4.54	-4.50	0.51
29	4.31	-2.25	0.92	4.52	-3.88	0.64	4.38	-4.76	0.23	4.65	-4.50	0.43
30	4.38	-2.61	1.03	3.67	-5.62	-0.27	5.05	-4.74	0.82	4.86	-4.99	0.47
31	4.63	-2.87	1.37	---	---	---	5.31	-4.76	1.00	4.76	-4.82	0.48
MONTH	---	---	---	---	---	---	---	---	---	5.81	-5.66	0.19

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198977 SAVANNAH RIVER AT BROAD STREET, AT SAVANNAH, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320502 LONGITUDE 0810545 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 0.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.73	-4.55	0.35	5.23	-4.26	1.33	4.64	-4.19	0.64	5.28	-3.27	1.32
2	4.56	-4.58	0.23	5.22	-4.07	1.03	4.40	-4.80	-0.04	5.09	-3.03	1.23
3	4.38	-4.68	0.11	5.00	-4.32	0.91	4.34	-4.57	-0.12	4.89	-3.69	0.90
4	4.03	-5.09	-0.17	5.14	-3.61	1.20	4.63	-4.20	0.21	5.69	-2.88	1.42
5	3.67	-4.54	-0.26	4.54	-4.25	0.81	4.37	-3.52	0.46	5.18	-2.36	1.77
6	3.80	-3.37	0.40	4.42	-4.42	0.28	4.95	-3.03	0.95	5.01	-2.65	1.03
7	3.80	-3.99	0.03	4.20	-3.29	0.61	4.95	-2.24	1.21	4.33	-2.68	0.61
8	2.77	-3.56	-0.18	4.28	-3.02	0.88	4.54	-2.27	1.26	4.30	-2.80	0.48
9	3.09	-2.67	0.23	4.27	-2.34	0.95	4.82	-1.46	1.59	4.19	-3.02	0.42
10	3.57	-2.44	0.14	4.06	-2.19	1.15	4.86	-2.16	1.33	4.14	-3.43	0.40
11	3.50	-2.69	0.16	4.14	-1.96	1.09	4.65	-2.14	1.25	4.21	-4.16	0.44
12	3.46	-3.75	-0.13	4.06	-2.04	0.76	4.88	-2.88	1.49	4.40	-4.94	0.30
13	3.63	-4.28	-0.17	4.12	-2.29	0.83	5.17	-3.64	1.47	5.34	-4.88	0.78
14	3.83	-4.08	0.11	4.47	-2.41	1.49	5.30	-4.01	1.44	---	---	---
15	4.29	-4.88	0.20	5.38	-2.90	1.85	5.79	-4.65	1.40	6.14	-4.62	1.31
16	5.11	-5.20	0.90	5.36	-3.69	1.42	6.38	-4.65	1.49	6.27	-5.12	1.01
17	5.44	-4.53	0.81	5.78	-4.35	1.53	6.79	-4.41	1.74	---	---	---
18	4.98	-5.16	0.38	5.95	-4.37	1.61	6.70	-3.95	1.83	6.29	-3.22	1.93
19	5.16	-4.94	0.57	6.31	-4.00	1.81	6.45	-3.72	1.71	6.40	-2.84	2.12
20	5.16	-4.52	0.70	5.84	-4.33	1.68	6.21	-3.52	1.73	6.40	-1.99	2.17
21	5.13	-3.96	1.08	5.74	-4.38	1.15	6.18	-2.93	1.75	5.86	-2.29	1.66
22	5.26	-3.82	1.13	5.71	-4.12	1.01	5.82	-2.97	1.36	5.11	-2.58	1.57
23	4.37	-5.27	-0.48	5.36	-3.68	1.03	4.95	-2.65	1.61	4.61	-2.50	1.38
24	4.28	-3.81	0.18	5.12	-3.04	1.18	4.93	-2.51	1.49	4.70	-2.27	1.68
25	4.33	-3.77	0.31	5.03	-2.45	1.32	4.78	-2.45	1.50	4.77	-2.29	1.72
26	4.64	-2.61	1.28	4.84	-2.89	1.17	4.65	-3.72	1.28	4.79	-2.46	1.49
27	5.18	-3.18	1.34	4.86	-2.64	1.69	5.10	-2.96	1.62	4.78	-2.82	1.34
28	4.87	-3.70	0.94	5.34	-2.69	1.94	5.18	-2.88	1.71	5.21	-2.54	1.63
29	---	---	---	4.99	-3.21	1.45	5.11	-3.46	1.38	5.01	-2.91	1.25
30	---	---	---	4.76	-4.22	0.83	5.25	-3.41	1.22	5.24	-2.92	1.32
31	---	---	---	4.84	-4.07	0.70	---	---	---	4.84	-3.23	1.08
MONTH	5.44	-5.27	0.36	6.31	-4.42	1.18	6.79	-4.80	1.27	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198977 SAVANNAH RIVER AT BROAD STREET, AT SAVANNAH, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320502 LONGITUDE 0810545 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 0.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5.30	-3.44	0.97	5.55	-3.90	1.02	5.02	-4.49	0.44	---	---	---
2	5.45	-2.42	1.49	4.66	-4.21	0.56	4.95	-4.32	0.71	---	---	---
3	5.27	-1.95	1.69	4.65	-4.26	0.22	4.82	-4.41	0.70	4.90	-3.60	0.72
4	5.00	-2.37	1.38	4.59	-4.33	0.18	4.60	-4.28	0.32	5.00	-3.49	0.80
5	4.97	-2.63	1.01	4.53	-4.07	0.41	4.69	-4.56	0.34	5.35	-3.68	1.12
6	4.98	-2.22	1.43	4.40	-4.08	0.37	4.96	-4.54	0.31	5.64	-2.38	2.04
7	5.28	-2.36	1.39	4.34	-4.28	0.26	5.10	-4.45	0.54	5.76	-2.63	1.96
8	4.94	-2.84	1.17	4.60	-4.64	0.35	5.19	-4.38	0.81	5.84	-3.16	1.86
9	5.04	-3.47	1.26	5.13	-4.54	0.58	5.38	-4.79	0.72	6.01	-2.98	1.95
10	5.75	-3.31	1.71	5.50	-4.88	0.75	5.22	-5.06	0.42	5.68	-3.04	1.93
11	6.24	-3.79	1.93	5.59	-5.34	0.64	5.32	-4.98	0.55	5.76	-2.54	2.17
12	6.40	-4.14	1.83	5.73	-5.42	0.55	5.30	-4.65	0.65	5.60	-2.51	2.08
13	6.44	-4.27	1.55	5.61	-5.12	0.72	5.38	-4.48	0.77	5.04	-2.74	1.59
14	---	---	---	5.45	-5.08	0.71	4.98	-4.03	0.94	4.96	-2.95	1.43
15	6.80	-4.15	1.61	5.57	-4.61	0.74	4.66	-4.09	0.79	4.70	-2.62	1.38
16	6.64	-3.84	1.61	5.04	-4.28	0.72	4.44	-3.88	0.73	4.68	-2.32	1.58
17	---	---	---	4.56	-4.31	0.54	4.09	-3.89	0.48	4.88	-0.96	2.00
18	---	---	---	4.38	-3.94	0.58	3.90	-3.71	0.29	4.62	-1.49	1.65
19	---	---	---	4.18	-4.14	0.34	4.25	-2.96	0.64	4.00	-2.41	0.84
20	4.51	-3.82	0.57	4.16	-3.76	0.56	4.29	-2.54	0.90	4.46	-2.12	1.06
21	4.76	-3.21	1.30	4.24	-3.02	0.66	4.29	-2.42	0.85	5.00	-1.91	1.61
22	4.81	-2.53	1.41	3.86	-3.55	0.13	4.21	-2.62	0.71	5.27	-2.41	1.85
23	4.79	-2.66	1.30	3.46	-3.55	-0.21	4.08	-2.94	0.54	5.38	-3.20	1.55
24	4.64	-3.00	1.12	3.75	-3.54	0.00	4.66	-3.33	0.68	5.92	-2.87	2.02
25	4.75	-3.30	1.03	4.18	-3.50	0.47	5.25	-3.23	1.21	6.22	-3.25	2.10
26	4.79	-3.11	1.01	4.70	-3.39	0.69	---	---	---	6.19	-3.42	2.11
27	4.99	-3.42	0.98	4.74	-3.76	0.58	---	---	---	6.14	-3.52	2.10
28	5.11	-3.27	1.05	4.84	-4.26	0.39	---	---	---	6.04	-3.74	1.72
29	4.87	-3.96	0.69	4.98	-4.39	0.34	---	---	---	5.98	-3.54	1.76
30	5.08	-3.91	0.84	5.01	-4.58	0.29	---	---	---	5.99	-3.00	1.91
31	---	---	---	4.99	-4.67	0.35	---	---	---	---	---	---
MONTH	---	---	---	5.73	-5.42	0.47	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198977 SAVANNAH RIVER AT BROAD STREET, AT SAVANNAH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320502 LONGITUDE 0810545 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 0.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.05	0.00	0.89	0.00	0.05	0.00	0.01	0.19	---
2	0.00	0.00	0.01	0.00	0.00	0.16	0.00	0.11	0.00	0.23	0.00	---
3	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.16	0.53	0.00	0.00	0.06
4	0.00	0.05	0.00	0.00	0.19	0.53	0.00	0.00	0.27	0.18	1.44	0.32
5	0.00	0.10	0.47	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.01	0.81
6	0.00	0.49	0.00	0.00	0.20	1.35	0.00	0.00	0.39	0.00	0.67	1.13
7	0.23	0.00	0.01	0.00	0.13	1.54	1.10	0.00	0.22	0.01	0.01	0.17
8	0.10	0.00	0.00	0.00	0.00	0.00	1.97	0.00	0.28	0.00	0.03	0.01
9	0.14	0.00	0.04	0.00	0.04	0.04	0.68	0.00	0.00	0.00	0.00	0.03
10	3.03	0.07	0.68	0.00	0.19	0.01	0.15	0.00	0.00	0.00	0.04	0.00
11	1.38	0.29	0.20	0.00	0.00	0.00	0.07	0.09	0.00	0.00	0.05	0.00
12	0.00	1.00	0.04	0.00	0.00	0.00	0.00	---	0.00	0.00	0.01	0.00
13	0.15	0.12	0.80	0.00	0.00	0.11	0.00	0.00	0.96	0.00	0.00	0.00
14	0.03	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.01	0.56	0.07	0.00
15	0.19	0.00	0.00	0.00	0.00	0.01	0.00	---	0.24	0.01	0.08	0.00
16	0.00	1.58	0.00	0.01	0.91	0.00	0.00	0.44	1.18	0.70	0.05	0.00
17	0.00	0.11	0.00	0.01	0.08	---	0.00	0.00	0.97	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.06	0.03	2.05	0.45	0.00	0.01	0.00
19	0.00	0.00	0.01	0.00	0.00	0.68	0.00	0.05	0.01	0.77	0.00	0.00
20	0.00	0.00	0.12	0.00	0.02	0.99	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.06	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.69	0.71	0.00	0.00	1.60	0.00	0.27	0.01	0.05
23	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.14	0.00	0.88	0.00	0.25
24	0.12	0.00	1.30	0.00	0.00	0.00	0.01	0.00	0.00	4.97	0.00	0.01
25	0.00	0.00	0.01	0.00	0.00	0.00	0.83	0.34	0.00	0.22	0.00	0.00
26	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.24	0.00	0.00
27	0.00	0.01	0.01	0.00	0.53	0.00	0.00	0.01	0.00	0.00	---	0.00
28	0.42	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.01	---	0.00
29	0.02	0.00	0.00	0.00	---	0.01	0.00	0.00	0.00	1.59	---	0.00
30	0.52	0.00	0.00	0.00	---	---	0.00	0.00	0.34	0.00	---	0.00
31	0.00	---	0.28	0.00	---	0.00	---	0.00	---	0.00	---	---
TOTAL	6.33	3.88	3.98	0.76	3.12	---	4.85	---	5.87	10.65	---	---

021989784 LITTLE BACK RIVER ABOVE LUCKNOW CANAL, NEAR LIMEHOUSE, SC

LOCATION.—Lat 32°11'08", long 81°07'05" referenced to North American Datum (NAD) of 1927, Jasper County, SC, Hydrologic Unit 03060109, on a free-standing platform near the left bank, 300 feet upstream from the north control gate of Lucknow Canal, near the service road to the northern part of the Savannah National Wildlife Refuge, 1.3 miles north of the Refuge Headquarters, and 3.4 miles southwest of Limehouse, SC.

DRAINAGE AREA.—Not determined.

COOPERATION.—U.S. Army Corps of Engineers, Savannah District.

CONTINUOUS WATER-QUALITY RECORDS

INSTRUMENTATION.—Continuous water-quality monitor.

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: May 1990 to current year.
WATER TEMPERATURE: November 1999 to current year.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 12,200 microsiemens October 6, 1990; minimum recorded, 40 microsiemens, on several days in water years 1993, 1995, and 1998.
WATER TEMPERATURE: Maximum recorded, 30.8 °C, July 20, 2000; minimum recorded, 4.6 °C, January 4, 5, 2001.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum, 2,470 microsiemens, September 25; minimum, 71 microsiemens, March 23-26.
WATER TEMPERATURE: Maximum, 29.2 °C, August 31; minimum, 5.9 °C, January 25.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 021989784 L BACK RIVER ABOVE LUCKNOW CANAL, NR LIMEHOUSE, SC STREAM SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321108 LONGITUDE 0810705 NAD27 DATUM 0.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	855	632	705	1670	1140	1310	724	462	631	243	201	218
2	995	713	812	1880	1280	1430	822	631	766	229	201	215
3	1260	882	1000	1820	1170	1400	891	740	825	235	209	223
4	1400	1050	1150	1670	1080	1290	1680	721	958	230	202	222
5	1390	1060	1170	1790	973	1200	1130	786	910	277	211	248
6	1380	1000	1150	1310	812	970	964	648	756	325	254	295
7	1400	986	1150	969	549	726	729	554	613	326	224	270
8	1910	906	1170	927	499	613	586	428	518	280	217	247
9	1600	797	1040	785	521	595	572	382	493	229	183	205
10	1530	618	934	759	445	556	570	403	491	229	183	200
11	1280	440	601	606	330	471	589	389	504	204	175	186
12	1060	391	510	504	275	374	501	263	362	198	173	187
13	921	401	524	498	220	313	586	274	366	390	170	253
14	996	486	652	745	288	503	494	229	345	513	225	352
15	1750	696	859	775	433	647	616	226	375	589	263	420
16	1200	707	874	791	417	696	777	298	542	908	393	607
17	1530	701	897	485	269	418	772	276	536	905	510	788
18	1560	894	1070	448	212	334	879	497	720	952	557	767
19	1580	1010	1200	616	343	499	680	470	601	960	784	884
20	1460	1040	1180	536	350	475	505	326	449	945	538	666
21	1570	947	1090	504	318	433	370	249	331	657	533	587
22	1400	814	1000	478	289	401	466	264	378	706	568	635
23	1390	779	979	393	204	288	567	341	450	812	454	666
24	1400	745	930	366	196	278	690	408	558	544	225	357
25	1140	634	846	368	197	281	657	211	372	744	280	494
26	937	441	723	426	216	310	425	189	269	668	404	545
27	846	355	603	471	233	350	616	316	481	682	369	531
28	829	347	569	692	291	471	641	258	438	833	402	634
29	878	361	554	891	544	722	416	226	346	877	551	733
30	1220	417	700	928	402	750	287	211	255	870	553	714
31	1450	736	1060	---	---	---	233	196	221	855	545	705
MONTH	1910	347	894	1880	196	637	1680	189	512	960	170	453

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 021989784 L BACK RIVER ABOVE LUCKNOW CANAL, NR LIMEHOUSE, SC STREAM SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321108 LONGITUDE 0810705 NAD27 DATUM 0.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	754	535	661	254	172	226	139	80	104	376	99	157
2	760	435	602	247	142	216	131	79	94	406	103	149
3	---	---	---	223	138	173	122	82	95	535	105	154
4	---	---	---	238	144	170	121	84	98	514	102	157
5	---	---	---	341	129	167	131	88	103	438	96	131
6	---	---	---	523	124	176	104	89	96	454	98	154
7	---	---	---	628	124	193	117	96	104	244	100	139
8	---	---	---	630	123	192	119	103	111	228	105	138
9	---	---	---	651	117	184	118	106	112	281	117	154
10	---	---	---	660	117	195	140	102	118	296	121	163
11	---	---	---	596	96	169	141	102	120	309	107	164
12	---	---	---	600	97	158	166	99	123	298	105	175
13	---	---	---	518	100	156	165	104	126	270	111	155
14	---	---	---	433	106	162	165	108	134	263	136	169
15	---	---	---	502	104	155	173	110	133	250	127	159
16	---	---	---	590	104	172	164	101	120	308	109	142
17	---	---	---	574	106	152	143	94	108	196	103	129
18	---	---	---	316	103	127	175	84	99	162	99	120
19	---	---	---	222	97	112	141	78	92	126	91	109
20	---	---	---	194	84	102	137	75	87	120	90	104
21	---	---	---	193	82	103	133	74	86	128	93	105
22	---	---	---	150	74	91	145	75	93	132	97	114
23	---	---	---	163	71	86	133	81	97	168	102	127
24	---	---	---	129	71	80	138	83	100	158	110	134
25	263	152	202	101	71	78	228	88	116	150	110	131
26	350	183	265	113	71	83	330	92	149	162	113	131
27	322	174	256	99	74	81	304	101	147	170	117	136
28	248	141	202	92	73	79	363	102	143	469	87	130
29	---	---	---	105	76	87	454	105	151	542	86	134
30	---	---	---	105	78	89	364	105	150	725	86	137
31	---	---	---	115	79	93	---	---	---	908	85	156
MONTH	---	---	---	660	71	139	454	74	114	908	85	141

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 021989784 L BACK RIVER ABOVE LUCKNOW CANAL, NR LIMEHOUSE, SC STREAM SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321108 LONGITUDE 0810705 NAD27 DATUM 0.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	876	88	168	704	97	143	291	85	117	401	116	180
2	646	87	132	1370	98	171	196	86	106	358	110	168
3	289	81	106	1560	115	252	214	89	109	426	111	174
4	388	80	114	1520	112	241	279	93	118	242	114	158
5	305	83	116	1510	104	219	279	98	126	242	122	173
6	286	83	119	1700	99	243	328	99	126	226	149	191
7	445	80	132	1540	94	219	293	101	132	258	187	219
8	313	80	123	1400	96	181	266	100	127	281	196	235
9	543	82	142	1400	89	214	285	98	130	287	215	248
10	446	84	135	862	95	178	310	95	130	412	219	269
11	294	84	114	1230	93	194	300	89	126	411	214	275
12	342	84	115	984	92	186	257	89	119	407	213	264
13	477	87	123	672	88	151	261	91	119	526	214	295
14	252	89	121	746	86	155	203	92	117	526	229	323
15	293	93	128	550	83	129	177	94	115	426	221	302
16	246	95	130	281	78	113	153	94	116	338	180	249
17	202	99	135	264	79	119	141	94	114	274	154	202
18	152	93	123	301	80	123	137	92	110	528	139	226
19	227	93	129	519	82	126	130	86	97	490	140	227
20	226	93	127	445	80	140	101	83	91	812	135	249
21	212	93	126	452	88	140	101	81	92	612	146	288
22	117	88	102	352	92	148	122	92	104	968	218	421
23	118	88	102	351	104	160	212	96	127	1520	332	542
24	124	88	106	600	109	226	327	107	169	2340	494	730
25	569	87	117	544	104	239	331	105	165	2470	628	852
26	1100	88	145	490	102	211	401	105	171	2100	609	813
27	1060	89	169	383	99	173	377	119	180	1210	502	704
28	483	90	128	740	86	148	444	122	196	1610	419	601
29	1330	89	162	730	89	164	429	120	192	1820	391	530
30	810	93	161	541	88	151	357	114	179	1610	322	442
31	---	---	---	430	87	138	341	115	176	---	---	---
MONTH	1330	80	128	1700	78	174	444	81	132	2470	110	352

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 021989784 L BACK RIVER ABOVE LUCKNOW CANAL, NR LIMEHOUSE, SC STREAM SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321108 LONGITUDE 0810705 NAD27 DATUM 0.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	26.5	25.7	26.1	20.9	19.6	20.3	12.1	11.1	11.7	11.8	10.2	11.1
2	26.7	25.4	26.0	19.9	18.6	19.4	11.2	10.5	10.9	11.4	11.0	11.2
3	26.7	25.4	26.0	19.1	18.1	18.5	11.1	10.2	10.6	11.1	10.0	10.7
4	26.5	25.5	26.0	18.7	17.7	18.0	11.2	9.9	10.6	10.1	9.3	9.6
5	26.9	25.5	26.2	18.3	17.3	17.7	10.0	9.1	9.4	9.7	8.7	9.3
6	27.3	26.2	26.8	19.1	18.0	18.6	10.0	9.1	9.5	10.1	9.1	9.5
7	27.3	26.2	26.9	18.3	16.9	17.4	9.8	9.1	9.5	9.6	8.8	9.2
8	27.3	25.6	26.2	17.2	15.7	16.5	9.8	9.0	9.5	9.5	8.2	8.9
9	26.1	23.9	24.6	17.1	16.1	16.6	10.0	9.6	9.8	10.1	8.8	9.5
10	24.8	23.3	23.9	18.3	16.8	17.5	9.9	9.6	9.8	10.8	9.8	10.2
11	24.3	23.5	23.9	19.2	18.1	18.7	10.2	9.8	10	10.2	9.0	9.8
12	24.8	23.6	24.2	19.2	18.8	19.0	10.7	10.1	10.4	9.8	9.1	9.4
13	24.6	24.0	24.4	18.9	18.1	18.6	11.4	10.5	10.9	9.4	9.0	9.2
14	24.3	22.9	23.9	18.1	17.0	17.7	11.2	10.4	10.8	9.6	8.8	9.2
15	23.1	21.6	22.5	17.7	16.9	17.4	10.6	9.9	10.3	9.4	8.7	9.2
16	22.2	20.7	21.3	17.5	17.1	17.3	10.8	9.8	10.4	9.3	8.6	9.0
17	21.8	20.1	20.6	17.1	15.0	16.3	10.7	10.1	10.5	9.4	8.8	9.1
18	20.5	19.4	19.9	15.0	14.2	14.6	11.1	10.5	10.7	8.8	7.3	8.1
19	19.8	19.0	19.4	14.6	13.9	14.3	12.5	11.1	11.6	7.4	6.6	7.0
20	20.5	19.3	19.8	14.7	14.0	14.4	13.4	12.2	12.8	8.2	6.8	7.5
21	21.3	19.8	20.6	14.9	14.2	14.6	12.4	11.2	11.7	9.6	7.9	8.7
22	21.1	20.5	20.9	14.8	13.9	14.4	11.7	10.6	11.1	9.6	8.9	9.3
23	20.8	20.2	20.4	13.9	13.0	13.3	12.0	11.1	11.6	9.1	7.7	8.4
24	20.4	20.1	20.2	13.5	12.5	13.0	12.4	11.6	12.0	7.7	6.4	7.0
25	20.2	19.9	20.1	13.5	12.5	13.0	12.6	11.0	12.0	7.2	5.9	6.7
26	20.4	19.8	20.1	13.7	12.6	13.2	11.1	10.2	10.6	7.6	6.7	7.1
27	20.8	19.9	20.4	13.8	12.8	13.4	10.5	9.6	10.2	7.6	6.7	7.3
28	21.5	20.4	20.9	13.4	12.2	12.8	10.1	9.3	9.8	7.4	6.4	7.1
29	22.4	21.2	21.8	12.3	11.4	12.0	9.9	8.9	9.5	8.5	6.9	7.6
30	22.8	21.9	22.4	12.3	11.4	11.8	9.7	9.0	9.4	9.8	8.3	8.9
31	22.2	20.2	21.5	---	---	---	10.4	9.1	9.6	9.9	9.5	9.7
MONTH	27.3	19.0	22.8	20.9	11.4	16.0	13.4	8.9	10.6	11.8	5.9	8.9

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 021989784 L BACK RIVER ABOVE LUCKNOW CANAL, NR LIMEHOUSE, SC STREAM SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321108 LONGITUDE 0810705 NAD27 DATUM 0.00 NGVD29 DD #4
Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10.6	9.3	9.9	12.3	11.9	12.0	15.9	14.2	15.1	21.4	20.2	20.5
2	10.8	9.6	10.2	13.9	12.3	12.9	16.5	14.3	15.4	22.5	19.5	20.7
3	---	---	---	13.3	12.7	12.9	17.0	15.0	16.0	22.4	20.2	21.0
4	---	---	---	12.9	12.1	12.5	17.2	15.8	16.5	22.4	19.9	20.9
5	---	---	---	13.8	12.4	12.9	18.0	16.5	17.3	22.6	20.7	21.2
6	---	---	---	14.6	13.2	13.7	18.6	17.4	18.0	22.8	20.8	21.5
7	---	---	---	14.9	13.6	13.9	18.9	18.0	18.4	22.5	20.8	21.6
8	---	---	---	14.9	13.0	13.9	18.9	17.5	18.2	22.8	21.2	21.9
9	---	---	---	15.1	14.0	14.3	17.7	16.6	17.0	23.9	21.6	22.7
10	---	---	---	14.9	13.5	14.3	16.7	15.1	15.7	24.7	22.4	23.5
11	---	---	---	15.5	13.3	14.2	15.1	13.8	14.5	25.6	22.6	23.7
12	---	---	---	15.8	13.6	14.6	15.6	13.9	14.7	25.9	22.6	23.6
13	---	---	---	15.8	14.4	14.9	16.4	14.5	15.5	24.5	21.8	22.8
14	---	---	---	16.1	14.6	15.1	17.4	15.7	16.5	23.0	21.4	21.9
15	---	---	---	15.8	13.8	14.3	18.8	16.7	17.5	23.0	21.0	21.6
16	---	---	---	15.7	13.6	14.3	19.1	17.1	18.0	23.6	21.1	21.7
17	---	---	---	15.6	14.1	14.4	19.6	17.6	18.5	23.8	21.0	21.8
18	---	---	---	15.6	14.2	14.7	20.3	18.4	19.3	23.2	21.7	22.1
19	---	---	---	16.3	14.6	15.3	20.2	18.9	19.6	22.2	21.2	21.5
20	---	---	---	17.1	15.8	16.4	19.9	18.6	19.1	21.8	20.2	20.9
21	---	---	---	18.7	16.4	17.3	19.6	18.2	18.8	21.7	20.3	20.9
22	---	---	---	18.8	16.4	17.5	20.2	18.7	19.3	21.3	20.0	20.6
23	---	---	---	18.3	16.6	17.4	19.8	17.6	18.7	21.9	20.0	20.8
24	---	---	---	17.8	16.1	17.0	19.1	17.2	18.2	22.0	20.0	20.9
25	13.8	12.2	13.0	17.9	16.2	17.2	18.8	17.7	18.0	22.6	20.2	21.2
26	13.7	13.1	13.4	18.3	16.9	17.7	20.0	17.7	18.4	23.0	20.6	21.5
27	13.1	12.0	12.7	18.7	17.7	18.2	20.1	18.1	18.8	23.8	20.9	21.9
28	12.2	11.5	11.9	19.1	18.0	18.4	20.8	18.6	19.3	23.5	21.0	21.9
29	---	---	---	20.3	18.6	19.3	21.5	19.0	19.8	23.7	20.9	21.8
30	---	---	---	19.8	17.1	18.5	22.0	19.6	20.4	23.9	20.8	21.7
31	---	---	---	17.1	15.6	16.3	---	---	---	24.5	20.8	21.9
MONTH	---	---	---	20.3	11.9	15.4	22.0	13.8	17.7	25.9	19.5	21.7

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STATION NUMBER 021989784 L BACK RIVER ABOVE LUCKNOW CANAL, NR LIMEHOUSE, SC STREAM SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321108 LONGITUDE 0810705 NAD27 DATUM 0.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	24.3	21.5	22.3	25.5	23.8	24.1	26.4	25.1	25.6	28.7	26.2	27.2
2	24.1	21.1	22.2	26.5	23.9	24.4	26.6	24.7	25.6	28.2	26.0	27.0
3	22.8	21.5	22.0	26.8	24.0	24.9	26.3	24.8	25.6	28.1	26.1	26.9
4	22.8	21.4	21.8	26.4	24.4	25.2	26.9	25.1	25.8	27.7	26.2	26.9
5	23.5	21.4	22.2	27.0	24.3	25.1	27.1	25.1	26.1	28.3	26.6	27.1
6	23.1	21.9	22.4	27.1	24.4	25.3	27.2	25.5	26.1	27.3	24.9	26.0
7	24.0	21.9	22.5	27.3	24.7	25.4	27.1	25.3	25.9	25.6	23.8	24.3
8	23.8	22.0	22.7	27.7	24.6	25.7	26.7	25.2	25.8	24.6	23.4	23.7
9	24.9	22.1	23.3	28.2	25.0	26.4	27.4	25.0	26.0	24.7	23.2	23.7
10	25.4	22.5	23.7	28.4	25.4	26.6	27.4	25.0	25.9	24.3	23.4	23.7
11	25.7	23.0	24.2	28.6	25.7	26.8	26.7	24.5	25.2	23.9	22.8	23.4
12	26.1	23.6	24.6	29.1	25.8	26.7	26.0	24.2	24.8	23.8	22.7	23.4
13	27.1	24.0	24.9	27.7	25.4	25.9	26.8	24.2	25.1	24.4	22.9	23.7
14	26.4	23.9	24.8	27.0	24.8	25.1	27.1	24.8	25.7	24.9	23.4	24.2
15	27.0	24.1	25.1	26.5	24.1	24.7	26.7	25.1	25.7	25.5	24.0	24.8
16	27.2	24.7	25.5	26.6	24.0	25.0	26.9	24.8	25.8	25.7	24.5	25.2
17	26.2	24.5	25.0	26.3	24.3	25.1	27.2	25.0	26.0	25.7	24.6	25.1
18	25.1	24.1	24.5	26.1	24.3	25.2	27.1	25.3	26.2	25.4	24.0	24.7
19	26.5	23.8	24.6	26.6	24.6	25.3	26.8	25.4	26.0	25.6	24.3	25.0
20	26.5	24.1	24.8	26.4	24.4	25.3	26.4	25.4	25.9	25.7	24.4	25.1
21	25.9	24.2	24.8	27.0	24.7	25.5	26.6	25.3	25.8	25.7	24.8	25.3
22	25.9	23.8	24.6	26.6	24.7	25.5	26.8	25.4	25.9	25.9	24.9	25.4
23	25.4	23.7	24.5	26.5	24.7	25.3	27.8	25.4	26.2	25.8	24.9	25.4
24	25.9	23.7	24.7	27.0	23.9	24.8	28.6	25.7	26.7	26.1	24.7	25.1
25	26.2	23.9	24.8	26.7	23.8	24.5	28.5	26.1	26.8	25.5	23.9	24.5
26	26.8	24.0	25.0	26.2	23.6	24.4	28.6	26.3	27.1	25.5	24.0	24.5
27	27.0	24.2	25.2	26.0	23.8	24.6	28.9	26.6	27.3	25.1	24.2	24.7
28	26.2	24.2	24.9	26.8	23.8	24.7	28.6	26.5	27.3	25.3	24.2	24.8
29	26.9	23.9	24.6	27.2	24.4	25.3	28.7	26.4	27.1	24.8	22.5	23.4
30	26.0	23.8	24.4	27.3	24.8	25.7	29.1	26.1	27.1	22.8	20.6	21.7
31	---	---	---	27.3	25.1	26.0	29.2	26.3	27.3	---	---	---
MONTH	27.2	21.1	24.0	29.1	23.6	25.3	29.2	24.2	26.1	28.7	20.6	24.9

SAVANNAH RIVER BASIN
2003 Water Year

02198979 LITTLE BACK RIVER AT LUCKNOW CANAL, NEAR LIMEHOUSE, SC

LOCATION.—Lat 32°11'05", long 81°07'02" referenced to North American Datum (NAD) of 1927, Jasper County, SC, Hydrologic unit 03060109, at the end of the fishing pier at the north control gate of Lucknow Canal on the service road to the northern part of the Savannah National Wildlife Refuge accessed from US 17, 1.3 miles north of Refuge Headquarters, and 3.4 miles southwest of the Limehouse, SC.

DRAINAGE AREA.—Indeterminate.

COOPERATION.—U.S. Army Corps of Engineers, Savannah District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 1987 to current year.

GAGE.—Water-stage recorder. Datum of gage is 0.00 feet referenced to National Geodetic Vertical Datum (NGVD) of 1929. Prior to October 1, 2002, gage datum was 3.39 feet below National Geodetic Vertical Datum (NGVD) of 1929, at mean low water (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage-height recorded, 7.47 feet, February 7, 1993; minimum gage-height recorded, –5.18 feet, April 7, 1989, but was lower during the day when the stage went below the recordable range of the gage. Extremes have been adjusted to NGVD of 1929.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.88 feet, April 17; minimum gage-height recorded, –4.18 feet, August 10.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198979 L. BACK RIVER AT LUCKNOW CANAL, NEAR LIMEHOUSE, SC SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321105 LONGITUDE 0810702 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -3.39 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.62	-1.12	2.71	---	---	---	---	---	---	---	---	---
2	5.65	-1.87	2.61	---	---	---	---	---	---	---	---	---
3	5.78	-2.60	2.46	---	---	---	---	---	---	---	---	---
4	6.02	-2.96	2.47	---	---	---	---	---	---	---	---	---
5	5.97	-3.14	2.47	---	---	---	---	---	---	---	---	---
6	6.08	-3.12	2.41	---	---	---	---	---	---	---	---	---
7	6.13	-2.57	2.76	---	---	---	---	---	---	---	---	---
8	6.36	-2.47	2.88	---	---	---	---	---	---	---	---	---
9	6.28	-2.26	2.90	---	---	---	---	---	---	---	---	---
10	6.38	-2.04	3.21	---	---	---	---	---	---	---	---	---
11	5.81	-1.78	2.78	---	---	---	---	---	---	---	---	---
12	5.72	-1.80	2.44	---	---	---	---	---	---	---	---	---
13	5.60	-1.53	2.43	---	---	---	---	---	---	---	---	---
14	5.98	-0.92	3.20	---	---	---	---	---	---	---	---	---
15	6.28	0.43	4.06	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198979 L. BACK RIVER AT LUCKNOW CANAL, NEAR LIMEHOUSE, SC SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321105 LONGITUDE 0810702 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -3.39 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	5.71	-3.15	2.22	5.19	-2.86	1.75	5.76	-2.38	2.34
2	---	---	---	5.60	-3.05	1.99	4.86	-3.51	1.02	5.49	-2.53	2.12
3	---	---	---	5.54	-3.51	1.72	5.00	-3.47	0.86	5.28	-2.96	1.78
4	---	---	---	5.62	-2.74	2.21	5.21	-3.11	1.16	5.98	-2.26	2.15
5	---	---	---	5.17	-3.44	1.77	5.02	-2.57	1.40	5.97	-1.86	2.71
6	---	---	---	5.04	-3.71	1.11	5.44	-2.29	1.77	5.71	-2.20	1.95
7	---	---	---	4.89	-2.76	1.41	5.45	-1.40	2.14	5.18	-2.19	1.40
8	---	---	---	4.90	-2.50	1.57	4.98	-1.76	2.02	4.88	-2.36	1.22
9	---	---	---	4.92	-1.82	1.64	5.34	-0.99	2.34	4.86	-2.51	1.19
10	---	---	---	4.50	-1.53	1.83	5.38	-1.78	2.07	4.82	-2.94	1.21
11	---	---	---	4.62	-1.61	1.75	5.28	-1.66	2.01	4.87	-3.57	1.34
12	---	---	---	4.56	-1.67	1.44	5.42	-2.28	2.41	5.03	-4.12	1.26
13	---	---	---	4.77	-1.90	1.55	5.62	-2.41	2.53	5.77	-4.09	1.70
14	---	---	---	5.06	-1.78	2.23	5.80	-2.81	2.56	6.20	-3.64	2.10
15	---	---	---	5.85	-1.51	2.86	6.03	-2.85	2.59	6.33	-3.18	2.51
16	---	---	---	5.86	-2.67	2.51	6.47	-2.47	2.85	6.46	-3.51	2.34
17	---	---	---	6.03	-3.06	2.70	6.88	-1.87	3.30	6.66	-3.10	2.53
18	---	---	---	6.27	-2.43	2.98	6.84	-1.35	3.59	6.53	-2.09	3.12
19	---	---	---	6.59	-1.71	3.32	6.82	-1.18	3.51	6.51	-1.12	3.24
20	---	---	---	6.37	-1.58	3.40	6.64	-1.33	3.38	6.55	-1.20	3.24
21	---	---	---	6.26	-2.11	2.80	6.50	-1.16	3.33	6.11	-1.78	2.62
22	---	---	---	6.16	-2.22	2.63	6.21	-1.78	2.75	5.44	-1.72	2.33
23	---	---	---	5.81	-1.87	2.45	5.41	-1.27	2.64	5.02	-2.08	1.96
24	---	---	---	5.60	-1.33	2.46	5.45	-1.40	2.53	5.13	-1.90	2.29
25	4.98	-3.24	1.10	5.54	-1.23	2.56	5.31	-1.71	2.49	5.17	-1.94	2.34
26	5.22	-2.22	2.01	5.34	-1.37	2.37	5.17	-2.34	2.28	5.14	-2.26	2.05
27	5.67	-2.16	2.20	5.36	-1.11	2.86	5.56	-2.17	2.55	5.07	-2.64	1.85
28	5.41	-3.04	1.74	5.84	-0.87	3.15	5.63	-2.09	2.65	5.49	-2.41	2.12
29	---	---	---	5.52	-1.53	2.66	5.64	-2.64	2.34	5.28	-2.76	1.78
30	---	---	---	5.17	-2.50	1.97	5.72	-2.76	2.15	5.54	-2.72	1.82
31	---	---	---	5.28	-2.75	1.75	---	---	---	5.15	-3.02	1.62
MONTH	---	---	---	6.59	-3.71	2.25	6.88	-3.51	2.37	6.66	-4.12	2.07

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198979 L. BACK RIVER AT LUCKNOW CANAL, NEAR LIMEHOUSE, SC SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321105 LONGITUDE 0810702 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -3.39 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5.34	-3.12	1.33	6.01	-2.80	1.86	5.48	-3.38	1.45	5.59	-3.43	1.83
2	5.58	-2.46	1.76	5.59	-3.26	1.65	5.48	-2.89	1.83	5.49	-3.28	1.66
3	5.39	-1.71	2.09	5.23	-3.42	1.06	5.39	-2.99	1.80	5.40	-3.16	1.60
4	5.31	-2.33	1.73	5.21	-3.54	1.02	5.10	-3.26	1.41	5.50	-3.05	1.67
5	5.06	-2.57	1.29	5.17	-3.32	1.27	5.22	-3.45	1.41	5.82	-3.29	1.99
6	5.11	-2.23	1.73	5.06	-3.35	1.26	5.50	-3.81	1.39	6.01	-2.31	2.79
7	5.35	-2.42	1.81	4.96	-3.56	1.25	5.58	-3.72	1.60	6.09	-2.23	2.80
8	5.12	-2.52	1.64	5.18	-3.88	1.34	5.67	-3.63	1.76	6.14	-2.52	2.76
9	5.18	-3.08	1.82	5.58	-3.86	1.66	5.80	-3.98	1.64	6.26	-2.23	2.91
10	5.67	-2.91	2.31	5.83	-3.94	1.78	5.64	-4.18	1.35	6.04	-2.06	2.94
11	6.20	-3.03	2.57	6.00	-4.07	1.75	5.75	-3.80	1.53	6.10	-1.62	3.13
12	6.34	-3.10	2.59	6.08	-4.17	1.68	5.74	-3.59	1.66	5.96	-1.71	3.09
13	6.30	-3.20	2.43	6.00	-3.71	1.91	5.74	-3.27	1.84	5.65	-2.20	2.50
14	6.32	-3.28	2.35	5.82	-3.32	2.01	5.42	-2.87	2.01	5.46	-2.55	2.24
15	6.30	-3.32	2.27	5.79	-3.09	1.99	5.32	-3.03	1.80	5.19	-2.32	2.06
16	6.15	-3.14	2.25	5.51	-2.70	2.06	5.12	-3.07	1.64	5.18	-2.04	2.17
17	6.08	-2.48	2.34	5.48	-2.62	1.77	4.73	-3.15	1.27	5.34	-0.58	2.58
18	5.96	-1.98	2.46	5.12	-2.73	1.65	4.49	-3.16	1.04	5.10	-1.22	2.24
19	5.60	-2.46	1.97	4.74	-2.85	1.32	4.89	-2.44	1.33	4.65	-1.99	1.40
20	5.09	-2.88	1.52	4.80	-2.76	1.47	4.82	-2.10	1.60	5.06	-1.85	1.62
21	5.30	-2.56	2.12	4.84	-2.34	1.50	4.80	-2.00	1.55	5.53	-1.64	2.30
22	5.38	-1.94	2.29	4.65	-2.84	1.00	4.73	-2.24	1.41	5.68	-1.77	2.61
23	5.14	-2.14	2.09	4.20	-2.99	0.60	4.77	-2.59	1.22	5.74	-2.80	2.31
24	5.18	-2.43	1.97	4.36	-3.05	0.75	5.18	-2.89	1.37	6.19	-2.31	2.79
25	5.21	-2.60	1.82	4.75	-2.91	1.17	5.70	-2.70	1.97	6.42	-2.26	3.03
26	5.24	-2.59	1.81	5.24	-2.86	1.47	5.85	-3.16	1.91	6.38	-2.20	3.17
27	5.42	-2.78	1.78	5.31	-3.24	1.35	5.96	-3.43	1.92	6.34	-1.92	3.28
28	5.61	-2.59	1.89	5.34	-3.64	1.19	5.80	-3.62	1.84	6.28	-2.26	2.91
29	5.38	-3.22	1.57	5.47	-3.72	1.14	5.85	-3.52	1.91	6.26	-2.60	2.83
30	5.56	-2.66	1.66	5.48	-3.75	1.17	5.70	-3.17	2.10	6.27	-2.32	2.93
31	---	---	---	5.45	-3.67	1.30	5.70	-3.20	1.97	---	---	---
MONTH	6.34	-3.32	1.98	6.08	-4.17	1.43	5.96	-4.18	1.63	6.42	-3.43	2.47

021989791 LITTLE BACK RIVER AT FISH & WILDLIFE DOCK, NEAR LIMEHOUSE, SC

LOCATION.—Lat 32°10'14", long 81°07'06" referenced to North American Datum (NAD) of 1927, Jasper County, SC, Hydrologic Unit 03060109, on right dock headwall on the left bank at US Fish and Wildlife Dock at the headquarters of the Savannah National Wildlife Refuge, 0.3 miles north of US 17, and 4.1 miles southwest of Limehouse, SC.

DRAINAGE AREA.—Not determined.

COOPERATION.—U.S. Army Corps of Engineers, Savannah District.

PERIOD OF RECORD.—September 1989 to current year.

CONTINUOUS WATER-QUALITY RECORDS

INSTRUMENTATION.—Continuous water-quality monitor.

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: September 1989 to current year.
WATER TEMPERATURE: October 1999 to current year.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 15,500 microsiemens, August 7, 2002; minimum recorded, 40 microsiemens, October 13, 1994, February 26, 27, 1995, February 17, 1998.
WATER TEMPERATURE: Maximum recorded, 31.6 °C, July 20, 2002; minimum recorded, 5.0 °C, January 4, 2001.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum, 7,870 microsiemens, December 4; minimum, 74 microsiemens, March 24.
WATER TEMPERATURE: Maximum, 28.1 °C, August 31; minimum, 6.4 °C, January 25.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 021989791 LITTLE BACK RIVER AT F&W DOCK, NEAR LIMEHOUSE, SC ESTUARY SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321014 LONGITUDE 0810706 NAD27 DATUM 0.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	3720	576	1260	4320	1180	1940	1430	424	823	601	203	298
2	4020	682	1430	5000	1330	2220	3270	662	1170	407	225	270
3	4380	887	1630	5500	1230	2240	2780	800	1150	283	222	250
4	5260	1110	1920	5430	1100	2080	7870	744	2050	323	209	256
5	4910	1130	1960	5940	1070	2080	4360	858	1500	476	223	294
6	5130	1040	2030	2680	837	1210	2370	703	1050	419	263	340
7	5290	1100	2080	2410	597	1030	1430	588	802	522	218	339
8	5170	1060	1920	2000	519	834	878	474	657	487	199	307
9	4690	902	1730	1230	556	727	936	401	634	528	182	300
10	4750	737	1550	869	458	659	1420	414	706	597	185	319
11	1320	492	760	850	333	592	1070	496	675	952	171	419
12	1260	433	613	782	285	515	886	316	592	926	171	442
13	1240	466	658	866	247	465	1090	320	616	1600	181	564
14	3710	510	1070	1440	257	771	914	247	547	1520	220	693
15	5620	690	1810	1800	472	1010	1270	240	666	1460	221	754
16	2370	857	1280	1840	576	972	1400	339	736	2820	334	1110
17	2320	749	1210	1090	295	625	1810	314	874	1750	510	1090
18	2760	927	1420	781	225	487	2490	506	1000	2920	459	1260
19	2500	1070	1550	821	280	600	1290	463	791	1420	778	1100
20	2250	1110	1490	1010	359	615	733	353	525	1280	468	911
21	2060	987	1370	1150	332	574	536	267	403	1200	456	786
22	1800	859	1250	675	314	490	545	294	413	1670	486	856
23	2110	833	1250	601	216	406	799	355	518	1220	432	800
24	2410	806	1230	608	204	386	1750	383	742	1170	238	544
25	2740	710	1160	724	206	422	917	241	530	908	350	654
26	1620	503	959	827	222	449	646	220	339	1220	423	781
27	1510	378	852	814	237	487	709	389	535	1170	376	735
28	1840	377	874	1370	264	673	760	294	555	1560	395	866
29	1620	367	819	1350	518	913	579	257	427	1430	531	923
30	1830	454	1020	1240	458	920	461	218	319	1940	544	925
31	2990	706	1430	---	---	---	425	211	267	1500	537	848
MONTH	5620	367	1340	5940	204	913	7870	211	729	2920	171	646

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 021989791 LITTLE BACK RIVER AT F&W DOCK, NEAR LIMEHOUSE, SC ESTUARY SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321014 LONGITUDE 0810706 NAD27 DATUM 0.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1160	539	774	602	170	280	139	89	106	137	106	121
2	919	485	687	379	189	252	134	88	110	144	105	115
3	789	440	610	249	169	204	126	87	97	139	111	122
4	712	337	529	222	158	188	102	85	93	334	105	121
5	587	237	411	203	150	172	123	88	97	381	102	131
6	628	213	383	200	145	166	120	91	105	137	101	113
7	628	199	356	203	144	165	148	97	120	136	104	114
8	696	183	347	182	141	155	135	114	122	140	106	114
9	717	181	346	191	134	157	127	114	120	155	112	124
10	592	174	272	178	123	145	160	117	127	168	121	134
11	644	168	326	155	101	120	148	119	130	177	107	131
12	774	164	346	158	101	121	152	109	127	181	102	130
13	1320	164	518	186	101	125	271	109	160	666	114	173
14	1590	256	842	245	98	146	303	120	164	593	119	211
15	1670	337	882	875	101	193	224	120	147	340	127	177
16	3750	512	1170	480	106	181	199	116	134	230	110	141
17	3080	660	1060	518	119	175	271	95	122	283	96	121
18	1190	480	710	207	103	133	258	94	115	283	93	116
19	1390	444	627	156	97	116	157	86	103	120	84	94
20	794	370	499	156	90	104	127	85	98	111	84	94
21	---	---	---	125	90	102	96	79	86	111	84	92
22	---	---	---	114	85	96	114	82	90	121	86	92
23	---	---	---	96	79	88	120	82	88	141	87	100
24	---	---	---	92	74	85	99	83	88	141	88	99
25	373	164	247	94	76	85	112	86	91	126	89	97
26	525	186	351	110	78	89	126	93	103	123	90	99
27	634	201	367	97	76	84	127	97	113	129	93	103
28	398	170	274	90	78	84	128	108	115	126	93	103
29	---	---	---	122	77	87	133	113	120	119	89	98
30	---	---	---	127	82	97	142	114	125	121	90	99
31	---	---	---	122	79	98	---	---	---	123	90	98
MONTH	---	---	---	875	74	138	303	79	114	666	84	119

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 021989791 LITTLE BACK RIVER AT F&W DOCK, NEAR LIMEHOUSE, SC ESTUARY SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321014 LONGITUDE 0810706 NAD27 DATUM 0.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	141	91	103	148	104	107	118	88	98	146	121	132
2	127	90	97	151	107	115	108	88	94	153	113	129
3	113	82	91	138	114	124	107	90	96	151	114	130
4	103	83	89	150	124	130	113	96	101	160	119	136
5	117	86	92	152	117	127	118	101	107	445	130	170
6	108	85	91	130	106	114	122	104	111	830	151	255
7	106	82	89	136	101	111	133	105	117	844	171	280
8	114	81	89	128	102	109	157	106	121	808	184	293
9	123	82	91	132	98	109	188	103	122	1010	209	325
10	110	83	92	151	97	112	141	102	119	669	209	294
11	103	84	93	130	98	113	130	94	112	586	209	282
12	113	87	98	127	97	112	118	91	104	613	205	275
13	127	92	103	115	96	107	120	92	103	338	210	250
14	118	95	106	107	89	100	112	94	101	341	233	281
15	119	100	110	105	85	95	114	96	102	402	238	303
16	119	101	111	95	81	89	112	97	102	445	214	298
17	119	102	110	96	82	86	112	97	101	469	171	270
18	119	99	107	93	81	86	110	96	100	491	161	261
19	122	96	101	98	83	88	103	89	94	506	165	281
20	120	99	103	99	85	89	97	85	89	1050	149	366
21	118	96	101	101	87	91	91	81	85	1790	182	551
22	107	90	95	---	---	---	104	86	89	2190	241	697
23	108	91	95	---	---	---	118	88	95	2440	276	747
24	111	93	97	---	---	---	139	96	106	4540	397	1220
25	107	93	98	---	---	---	331	98	135	4870	691	1510
26	108	94	98	---	---	---	496	108	169	3550	646	1330
27	110	97	101	---	---	---	507	120	173	3190	537	1160
28	110	95	101	---	---	---	215	126	153	2270	448	855
29	110	97	102	137	94	107	197	129	147	1810	411	666
30	116	101	105	133	94	109	186	122	139	2100	345	620
31	---	---	---	125	92	103	156	121	132	---	---	---
MONTH	141	81	99	---	---	---	507	81	113	4870	113	479

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 021989791 LITTLE BACK RIVER AT F&W DOCK, NEAR LIMEHOUSE, SC ESTUARY SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321014 LONGITUDE 0810706 NAD27 DATUM 0.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	26.8	26.0	26.3	21.5	20.0	20.9	12.3	11.5	11.9	11.8	10.3	11.0
2	26.9	25.8	26.3	20.6	19.4	20.0	11.7	10.8	11.4	11.8	11.0	11.4
3	27.0	25.9	26.3	20.0	18.4	19.1	11.5	10.5	11.0	11.4	10.3	11.0
4	26.9	25.8	26.3	19.6	17.9	18.6	11.6	10.2	10.9	10.3	9.6	9.9
5	27.3	25.8	26.5	19.0	17.6	18.2	10.7	9.3	9.9	9.8	9.2	9.5
6	27.6	26.4	27.0	19.1	18.3	18.7	10.3	9.3	9.7	10.0	9.4	9.7
7	27.7	26.6	27.2	18.3	17.4	17.8	10.1	9.5	9.8	9.6	9.1	9.4
8	27.5	25.9	26.7	17.9	16.3	17.1	10.0	9.3	9.7	9.5	8.6	9.1
9	26.8	24.2	25.3	17.5	16.5	16.9	10.1	9.7	9.9	10.2	9.1	9.6
10	25.6	23.6	24.4	18.2	17.0	17.6	10.0	9.8	9.9	11.0	10.0	10.4
11	24.7	23.8	24.2	19.3	18.1	18.7	10.2	10.0	10.1	10.5	9.7	10.1
12	25.2	24.0	24.5	19.4	19.0	19.2	10.7	10.1	10.4	10.0	9.2	9.5
13	25.0	24.4	24.7	19.0	18.5	18.8	11.5	10.6	11.0	9.4	9.0	9.3
14	24.7	23.3	24.3	18.5	17.6	18.0	11.4	10.7	11.0	9.8	8.9	9.4
15	23.7	22.1	23.1	18.1	17.4	17.7	10.8	10.0	10.5	9.8	9.0	9.4
16	22.4	21.0	21.8	17.9	17.3	17.6	11.0	10.0	10.5	9.8	9.0	9.3
17	21.6	20.6	21.0	17.4	15.2	16.7	11.1	10.5	10.7	9.5	9.0	9.3
18	20.9	20.0	20.4	15.2	14.5	14.9	11.1	10.6	10.9	9.0	8.2	8.5
19	20.3	19.4	19.8	14.9	14.4	14.6	12.2	11.1	11.6	8.2	7.0	7.4
20	20.6	19.4	20.0	14.9	14.2	14.6	13.2	12.2	12.8	8.3	6.8	7.5
21	21.3	20.3	20.8	15.0	14.5	14.8	12.9	11.8	12.1	9.6	7.9	8.7
22	21.2	21.0	21.1	14.9	14.2	14.7	11.8	10.9	11.4	9.7	9.2	9.4
23	21.0	20.6	20.8	14.2	13.3	13.6	12.0	11.4	11.7	9.3	7.8	8.7
24	20.8	20.3	20.5	13.5	12.8	13.2	12.4	11.8	12.1	7.8	6.7	7.2
25	20.5	20.1	20.3	13.5	12.8	13.2	12.7	11.4	12.3	7.2	6.4	6.9
26	20.6	20.0	20.3	13.8	13.0	13.4	11.4	10.6	10.9	7.6	6.8	7.2
27	21.1	20.3	20.6	14.0	13.2	13.5	10.8	10.1	10.4	7.8	7.0	7.4
28	21.5	20.7	21.1	13.4	12.6	13.1	10.3	9.6	10.0	7.9	7.0	7.4
29	22.3	21.4	21.8	12.8	11.8	12.3	10.1	9.2	9.7	8.4	7.2	7.8
30	22.8	22.1	22.5	12.2	11.6	11.9	10.1	9.4	9.7	9.7	8.3	8.9
31	22.6	20.9	21.9	---	---	---	10.3	9.4	9.8	10.0	9.4	9.8
MONTH	27.7	19.4	23.2	21.5	11.6	16.3	13.2	9.2	10.8	11.8	6.4	9.0

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 021989791 LITTLE BACK RIVER AT F&W DOCK, NEAR LIMEHOUSE, SC ESTUARY SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321014 LONGITUDE 0810706 NAD27 DATUM 0.00 NGVD29 DD #4
Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10.6	9.7	10.0	12.4	12.1	12.2	16.1	14.7	15.5	21.1	20.3	20.7
2	10.8	9.9	10.3	13.5	12.3	12.8	16.4	14.6	15.5	21.7	19.9	20.7
3	11.3	10.3	10.8	13.5	12.9	13.1	17.0	15.2	16.1	21.4	20.8	21.2
4	12.1	11.1	11.6	13.1	12.5	12.6	17.3	15.9	16.6	21.6	20.3	21.0
5	11.7	10.9	11.3	13.4	12.6	12.9	18.2	16.6	17.4	21.8	20.9	21.4
6	11.3	10.8	11.0	14.2	13.3	13.8	18.7	17.5	18.2	22.3	21.0	21.7
7	10.9	10.7	10.8	14.1	13.8	13.9	19.0	18.2	18.6	22.4	21.1	21.8
8	10.7	10.3	10.5	14.5	13.4	13.9	18.9	18.0	18.4	22.7	21.4	22.1
9	10.8	10.1	10.4	14.5	14.2	14.4	18.0	17.0	17.5	23.7	21.8	22.8
10	11.3	10.3	10.8	15.0	13.8	14.4	17.0	15.4	16.2	24.4	22.7	23.7
11	11.4	10.4	10.9	14.9	13.8	14.4	15.4	14.5	14.9	24.5	23.0	23.9
12	11.5	10.5	11.0	15.4	13.9	14.6	15.7	14.3	14.9	24.2	23.0	23.7
13	11.7	10.6	11.1	15.3	14.6	15.0	16.4	15.1	15.7	23.5	22.4	23.0
14	11.6	10.8	11.1	15.3	14.9	15.1	17.4	15.9	16.6	22.8	21.8	22.2
15	12.6	11.1	11.8	14.9	14.0	14.5	18.5	16.8	17.6	22.2	21.4	21.8
16	12.7	12.2	12.4	14.9	13.9	14.3	18.9	17.4	18.2	22.3	21.4	21.9
17	12.2	10.8	11.4	14.8	14.3	14.5	19.6	17.8	18.7	22.7	21.4	22.0
18	11.2	10.2	10.7	15.3	14.4	14.7	20.3	18.7	19.5	22.8	21.9	22.3
19	11.8	10.4	11.0	16.1	14.8	15.4	20.3	19.3	19.9	22.3	21.5	21.8
20	12.3	11.3	11.7	17.0	15.7	16.4	20.1	19.0	19.4	22.4	20.6	21.3
21	---	---	---	18.5	16.5	17.2	19.4	18.5	19.1	21.6	20.6	21.2
22	---	---	---	18.7	16.7	17.6	20.2	18.9	19.5	21.1	20.3	20.7
23	---	---	---	18.2	16.8	17.4	19.9	18.2	19.1	21.7	20.2	20.8
24	---	---	---	18.3	16.4	17.2	19.0	18.0	18.6	21.8	20.3	21.0
25	13.8	12.6	13.2	17.8	16.6	17.3	18.4	18.0	18.2	22.2	20.7	21.3
26	13.9	13.3	13.5	18.3	17.2	17.8	19.3	17.9	18.4	22.2	21.0	21.6
27	13.3	12.2	12.9	18.7	17.9	18.3	19.8	18.5	19.1	22.6	21.4	21.9
28	12.4	11.8	12.1	19.1	18.1	18.6	20.1	18.9	19.4	22.6	21.5	22.0
29	---	---	---	20.3	18.6	19.3	20.8	19.4	20.0	22.4	21.6	22.0
30	---	---	---	19.5	17.4	18.6	21.3	20.0	20.6	22.4	21.2	21.8
31	---	---	---	17.4	16.1	16.6	---	---	---	22.8	21.3	22.0
MONTH	---	---	---	20.3	12.1	15.4	21.3	14.3	17.9	24.5	19.9	21.8

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STATION NUMBER 021989791 LITTLE BACK RIVER AT F&W DOCK, NEAR LIMEHOUSE, SC ESTUARY SOURCE AGENCY USGS STATE 45 COUNTY 053
LATITUDE 321014 LONGITUDE 0810706 NAD27 DATUM 0.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.9	21.8	22.4	24.7	24.1	24.3	26.4	25.5	25.9	27.8	26.8	27.4
2	23.0	21.6	22.4	25.0	24.0	24.5	26.4	25.0	25.8	27.9	26.6	27.3
3	22.8	21.9	22.3	25.5	24.2	24.9	26.2	25.2	25.9	27.8	26.6	27.2
4	22.3	21.6	21.9	25.7	24.8	25.3	26.9	25.4	26.0	27.6	26.5	27.2
5	23.1	21.6	22.4	25.7	24.7	25.3	26.7	25.5	26.2	27.7	26.9	27.3
6	23.1	22.1	22.6	26.0	24.7	25.4	26.8	25.8	26.3	27.1	25.2	26.4
7	23.2	22.1	22.6	26.1	25.0	25.6	26.6	25.5	26.1	25.2	24.1	24.7
8	23.5	22.2	22.7	26.7	24.9	25.9	26.5	25.5	26.0	24.2	23.6	23.9
9	24.4	22.4	23.3	27.5	25.4	26.5	26.8	25.6	26.2	24.4	23.5	23.9
10	24.4	22.9	23.7	27.2	25.9	26.7	26.4	25.6	26.1	24.1	23.7	23.9
11	24.9	23.6	24.3	27.4	26.3	26.8	26.1	25.2	25.4	24.1	23.2	23.7
12	25.2	24.2	24.7	27.3	26.3	26.8	25.3	24.6	25.0	24.3	23.1	23.7
13	25.5	24.4	24.9	27.1	25.8	26.1	25.9	24.5	25.2	24.7	23.3	24.0
14	25.6	24.3	25.0	25.9	25.0	25.3	26.3	25.2	25.8	25.4	23.9	24.5
15	26.0	24.5	25.3	25.3	24.3	24.9	26.3	25.5	25.9	26.1	24.5	25.1
16	26.3	25.0	25.7	25.9	24.4	25.2	26.5	25.3	25.9	26.2	24.9	25.5
17	25.9	24.8	25.2	25.7	24.5	25.3	26.8	25.4	26.2	25.8	25.0	25.4
18	25.2	24.4	24.8	26.0	24.5	25.4	26.9	25.6	26.4	25.4	24.4	25.0
19	25.5	24.0	24.7	26.1	24.8	25.5	27.2	25.6	26.4	25.6	24.5	25.1
20	25.4	24.3	24.9	26.3	24.7	25.5	26.5	25.6	26.2	26.0	24.8	25.4
21	26.2	24.4	25.1	26.2	24.9	25.6	26.6	25.5	26.1	26.2	25.2	25.6
22	25.7	24.2	25.0	---	---	---	26.5	25.6	26.1	26.2	25.4	25.7
23	25.6	24.0	24.9	---	---	---	26.9	25.7	26.4	26.0	25.3	25.7
24	25.6	24.2	25.0	---	---	---	27.5	26.1	26.8	25.8	25.2	25.4
25	25.9	24.3	25.1	---	---	---	27.4	26.6	27.0	25.5	24.4	24.9
26	25.9	24.5	25.3	---	---	---	27.9	26.8	27.2	25.4	24.2	24.8
27	25.9	24.8	25.4	---	---	---	28.0	27.0	27.5	25.5	24.5	25.0
28	25.5	24.8	25.2	---	---	---	28.0	27.0	27.5	25.7	24.4	25.1
29	25.4	24.4	24.8	26.0	24.7	25.3	27.8	27.0	27.4	25.1	23.0	24.0
30	25.0	24.2	24.6	26.5	25.2	25.8	27.8	26.6	27.3	23.8	21.5	22.4
31	---	---	---	26.5	25.5	26.1	28.1	26.9	27.6	---	---	---
MONTH	26.3	21.6	24.2	---	---	---	28.1	24.5	26.3	27.9	21.5	25.2

SAVANNAH RIVER BASIN
2003 Water Year

02198980 SAVANNAH RIVER AT FORT PULASKI, GA

LOCATION.—Lat 32°02'02", long 80°54'12" referenced to North American Datum (NAD) of 1927, Chatham County, Hydrologic Unit 03060109, at downstream side of the U.S. Coast Guard pier on Cockspur Island, 1.0 mile upstream from the mouth, 0.7 miles west of Fort Pulaski.

DRAINAGE AREA.—Undetermined.

COOPERATION.—Georgia Geologic Survey.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1987 to current year.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 0.00 feet referenced to National Geodetic Vertical Datum (NGVD) of 1929. Prior to October 1, 2001, gage datum was –3.02 feet below NGVD of 1929.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage-height, 7.16 feet, February 7, 1993; minimum gage-height recorded, –6.79 feet, March 13, 1993, but was lower during the day when the stage went below the recordable range of the gage. Extremes have been adjusted to NGVD of 1929.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 6.59 feet, December 4; minimum gage-height, –5.67 feet, November 6.

PRECIPITATION RECORDS

PERIOD OF RECORD.—January 27, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198980 SAVANNAH RIVER AT FORT PULASKI, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320202 LONGITUDE 0805412 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -3.02 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	4.74	-1.31	1.68	4.83	-3.05	1.41	3.82	-4.43	0.04	5.52	-4.43	0.49
2	4.72	-2.12	1.45	5.15	-3.30	1.38	5.01	-4.23	0.54	4.82	-4.59	0.24
3	5.03	-2.90	1.24	5.28	-3.45	1.14	5.05	-4.59	0.61	4.22	-4.49	-0.09
4	5.31	-3.46	1.24	5.52	-3.96	1.08	6.59	-3.78	1.53	4.56	-4.55	0.22
5	5.31	-3.82	1.09	5.81	-3.81	1.23	5.71	-3.54	0.95	4.68	-3.46	0.63
6	5.56	-4.04	1.03	4.97	-5.67	-0.17	5.11	-3.74	0.67	4.04	-4.01	0.01
7	5.60	-3.70	1.25	5.02	-4.05	0.52	4.82	-3.47	0.56	3.62	-3.49	0.12
8	5.93	-3.66	1.43	4.84	-3.03	0.87	4.32	-3.31	0.39	2.60	-3.49	-0.47
9	6.04	-2.55	1.63	4.60	-2.60	0.90	4.60	-2.47	0.94	2.64	-2.99	-0.30
10	5.85	-2.28	1.81	4.08	-2.66	0.69	4.79	-1.02	1.74	2.44	-2.84	-0.24
11	5.08	-1.95	1.59	3.41	-2.58	0.38	4.14	-2.08	0.90	2.64	-2.37	0.23
12	4.94	-1.69	1.42	3.04	-2.24	0.44	3.13	-2.17	0.42	2.97	-1.87	0.53
13	4.72	-1.47	1.53	3.65	-2.54	0.55	3.73	-2.50	1.00	3.54	-2.79	0.49
14	5.30	-0.77	2.35	3.78	-1.84	1.26	3.27	-3.59	-0.38	3.39	-3.09	0.40
15	5.72	-0.06	3.09	4.34	-1.95	1.58	3.31	-3.25	0.28	3.21	-3.46	0.24
16	4.86	-1.68	2.16	4.43	-2.27	1.44	3.43	-3.58	0.18	4.10	-3.59	0.59
17	4.74	-2.21	1.68	4.26	-4.42	0.32	4.06	-3.60	0.70	3.58	-3.94	-0.22
18	4.71	-2.24	1.70	3.62	-4.56	0.27	4.91	-2.67	1.36	4.46	-4.13	0.37
19	4.70	-2.42	1.59	4.29	-3.17	0.79	4.77	-2.63	1.02	3.59	-5.03	-0.53
20	4.54	-2.17	1.31	4.65	-3.11	1.05	4.36	-4.07	0.02	3.21	-4.91	-0.82
21	4.46	-2.56	1.17	4.83	-2.59	1.11	3.66	-4.21	-0.31	3.58	-5.05	-0.66
22	4.45	-2.53	1.22	4.24	-3.10	0.34	3.76	-4.24	-0.34	4.43	-4.53	0.33
23	4.71	-2.04	1.41	3.77	-3.11	0.21	3.83	-4.15	-0.08	3.96	-3.75	0.10
24	4.76	-1.58	1.65	3.70	-3.05	0.18	4.68	-3.21	0.62	3.28	-3.88	-0.32
25	4.76	-1.74	1.56	3.87	-2.85	0.29	3.18	-4.38	-0.63	3.45	-3.64	-0.14
26	4.44	-1.92	1.23	3.85	-2.77	0.33	3.96	-3.80	-0.10	3.89	-3.79	-0.06
27	4.22	-1.70	1.10	3.58	-2.79	0.15	4.03	-3.08	0.38	3.42	-3.65	-0.09
28	4.15	-1.50	1.14	4.03	-2.71	0.61	3.67	-3.50	0.19	4.17	-4.10	0.30
29	4.12	-1.75	0.98	4.00	-3.43	0.49	3.90	-4.19	0.04	4.29	-4.33	0.21
30	4.22	-2.08	1.06	3.16	-5.01	-0.47	4.66	-4.10	0.55	4.46	-4.36	0.31
31	4.51	-2.38	1.37	---	---	---	4.98	-4.25	0.73	4.39	-4.19	0.34
MONTH	6.04	-4.04	1.49	5.81	-5.67	0.68	6.59	-4.59	0.47	5.52	-5.05	0.07

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198980 SAVANNAH RIVER AT FORT PULASKI, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320202 LONGITUDE 0805412 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -3.02 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.39	-4.02	0.22	4.83	-3.18	1.10	3.94	-3.67	0.32	4.82	-2.78	1.11
2	4.09	-4.02	0.08	4.87	-3.49	0.78	3.33	-4.32	-0.35	4.60	-2.46	1.05
3	3.93	-4.09	-0.03	4.51	-3.85	0.71	3.57	-4.14	-0.36	4.40	-3.18	0.74
4	3.51	-4.65	-0.32	4.77	-3.03	0.98	3.98	-3.65	-0.03	5.23	-2.34	1.28
5	2.96	-4.00	-0.39	4.00	-3.69	0.56	3.75	-3.12	0.24	4.73	-1.77	1.57
6	3.28	-2.86	0.28	3.72	-3.81	0.09	4.43	-2.57	0.75	4.08	-2.26	0.84
7	3.18	-3.41	-0.07	3.69	-2.83	0.43	4.11	-1.91	0.99	3.76	-2.11	0.51
8	2.34	-3.00	-0.26	3.73	-2.43	0.73	4.34	-1.74	1.10	3.77	-2.37	0.35
9	2.63	-2.26	0.14	3.71	-1.76	0.81	4.45	-0.99	1.44	3.57	-2.52	0.29
10	3.11	-2.22	0.08	3.48	-1.37	1.01	4.53	-1.72	1.21	3.53	-2.96	0.26
11	2.84	-2.30	0.08	3.67	-1.54	0.95	4.19	-1.74	1.11	3.56	-3.54	0.22
12	2.90	-3.15	-0.22	3.56	-1.78	0.59	4.43	-2.37	1.27	3.82	-4.26	0.10
13	3.03	-3.51	-0.28	3.52	-2.02	0.66	4.66	-3.25	1.17	4.84	-4.19	0.51
14	3.23	-4.11	-0.06	3.89	-1.99	1.28	4.94	-3.51	1.10	5.52	-4.30	0.83
15	3.85	-4.23	0.03	4.98	-2.85	1.58	5.35	-4.18	1.05	5.73	-4.04	1.01
16	4.77	-4.64	0.72	4.97	-3.13	1.15	6.01	-4.18	1.15	5.93	-4.47	0.64
17	5.18	-3.93	0.60	5.44	-3.75	1.25	6.45	-3.90	1.38	6.02	-4.10	0.84
18	4.64	-4.55	0.23	5.58	-3.86	1.25	6.30	-3.96	1.40	5.90	-3.19	1.28
19	4.83	-4.32	0.38	5.94	-3.58	1.44	6.04	-3.54	1.24	5.93	-2.81	1.49
20	4.82	-4.22	0.48	5.41	-3.99	1.23	5.78	-2.90	1.32	5.74	-2.11	1.53
21	4.92	-3.35	0.84	5.29	-3.98	0.73	5.67	-2.51	1.38	5.36	-2.33	1.03
22	4.92	-3.30	0.84	4.86	-3.58	0.59	5.39	-2.53	1.03	4.46	-2.36	0.95
23	3.98	-4.52	-0.64	4.74	-3.23	0.65	4.44	-1.93	1.35	3.84	-2.49	0.81
24	3.69	-3.34	-0.03	4.65	-2.67	0.85	4.54	-2.01	1.24	3.97	-2.23	1.12
25	3.73	-3.34	0.12	4.54	-2.11	0.97	4.32	-2.18	1.23	4.01	-2.37	1.15
26	4.20	-2.17	1.08	4.26	-2.48	0.83	4.10	-2.75	1.01	4.06	-2.44	0.94
27	4.82	-2.97	1.14	4.41	-2.24	1.35	4.61	-2.44	1.36	4.03	-2.80	0.78
28	4.37	-3.01	0.73	4.93	-2.34	1.61	4.70	-2.44	1.44	4.57	-2.42	1.09
29	---	---	---	4.51	-2.72	1.11	4.63	-2.78	1.14	4.23	-2.72	0.76
30	---	---	---	4.29	-3.56	0.55	4.69	-2.89	0.97	4.57	-2.82	0.82
31	---	---	---	4.17	-3.51	0.42	---	---	---	4.10	-3.08	0.54
MONTH	5.18	-4.65	0.21	5.94	-3.99	0.91	6.45	-4.32	0.99	6.02	-4.47	0.85

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198980 SAVANNAH RIVER AT FORT PULASKI, GA SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320202 LONGITUDE 0805412 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -3.02 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	4.40	-3.41	0.37	5.11	-2.83	0.88	4.35	-3.94	0.11	4.48	-3.61	0.48
2	4.63	-2.70	0.79	4.18	-3.74	0.38	4.26	-3.73	0.39	4.36	-3.37	0.44
3	4.37	-2.11	0.93	4.04	-3.64	0.10	3.99	-3.70	0.36	4.23	-3.14	0.47
4	3.86	-2.57	0.62	4.00	-3.60	0.09	3.83	-3.70	0.03	4.42	-3.05	0.56
5	4.06	-2.98	0.29	3.92	-3.38	0.27	3.90	-3.79	0.02	4.83	-3.15	0.87
6	4.15	-2.48	0.68	3.96	-3.39	0.21	4.22	-3.99	-0.03	5.31	-1.86	1.80
7	4.43	-2.77	0.61	3.78	-3.59	0.15	4.41	-3.91	0.20	5.42	-2.10	1.74
8	3.85	-3.07	0.36	4.07	-3.89	0.21	4.66	-3.71	0.50	5.49	-2.52	1.65
9	3.96	-3.69	0.40	4.61	-3.91	0.35	4.76	-4.17	0.37	5.57	-2.40	1.72
10	4.76	-3.59	0.76	5.10	-4.21	0.49	4.62	-4.40	0.12	5.26	-2.40	1.70
11	5.38	-4.00	0.90	5.17	-4.58	0.38	4.78	-4.23	0.27	5.31	-1.87	1.94
12	5.55	-4.40	0.81	5.31	-4.79	0.23	4.75	-4.04	0.32	5.18	-1.99	1.87
13	5.65	-4.46	0.59	5.20	-4.61	0.48	4.84	-3.89	0.48	4.58	-2.17	1.36
14	5.58	-4.46	0.62	4.92	-4.34	0.41	4.29	-3.43	0.58	4.49	-2.47	1.22
15	5.52	-4.30	0.48	5.03	-4.02	0.49	3.98	-3.44	0.49	4.14	-2.07	1.17
16	5.43	-4.09	0.50	4.56	-3.59	0.48	3.79	-3.25	0.49	4.17	-1.77	1.42
17	5.10	-3.49	0.77	4.13	-3.95	0.33	3.48	-3.12	0.31	4.54	-0.39	1.91
18	4.78	-3.38	0.93	3.87	-3.34	0.36	3.24	-3.17	0.11	4.29	-0.94	1.56
19	4.68	-3.24	0.64	3.75	-3.38	0.18	3.53	-2.37	0.44	3.36	-1.75	0.71
20	3.97	-3.22	0.40	3.50	-3.12	0.41	3.54	-2.15	0.69	3.84	-1.72	0.94
21	4.23	-2.60	1.16	---	---	---	3.63	-1.96	0.70	4.52	-1.49	1.46
22	4.31	-1.89	1.28	2.94	-3.10	-0.11	3.50	-2.29	0.50	4.73	-1.90	1.66
23	4.15	-2.12	1.14	2.54	-3.49	-0.44	3.34	-2.57	0.32	4.86	-2.62	1.36
24	4.20	-2.40	0.96	2.94	-3.18	-0.24	4.02	-2.91	0.46	5.47	-2.24	1.81
25	4.22	-2.65	0.87	3.50	-2.97	0.24	4.60	-2.75	0.95	5.91	-2.62	1.89
26	4.33	-2.49	0.86	4.05	-2.98	0.45	4.87	-3.26	0.79	5.81	-2.86	1.80
27	4.48	-2.76	0.82	4.13	-3.21	0.37	5.10	-3.60	0.72	5.84	-2.94	1.81
28	4.61	-2.72	0.87	4.09	-3.74	0.11	4.88	-4.07	0.47	5.71	-3.06	1.49
29	4.34	-3.28	0.54	4.33	-3.87	0.07	5.00	-4.04	0.58	5.68	-2.92	1.53
30	4.60	-2.98	0.71	4.42	-3.95	0.06	4.74	-3.78	0.68	5.71	-2.37	1.65
31	---	---	---	4.34	-4.01	0.09	4.39	-3.78	0.51	---	---	---
MONTH	5.65	-4.46	0.72	---	---	---	5.10	-4.40	0.42	5.91	-3.61	1.40

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02198980 SAVANNAH RIVER AT FORT PULASKI, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 051
LATITUDE 320202 LONGITUDE 0805412 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -3.02 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01	0.00	0.00	0.05	0.00	0.93	0.00	0.03	0.00	0.02	1.05	0.00
2	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.48	0.00	0.01
3	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.25	0.39	0.08	0.15	0.00
4	0.00	0.05	0.00	0.00	0.14	0.67	0.00	0.00	0.15	0.45	0.17	0.00
5	0.00	0.02	1.54	0.00	0.00	0.01	0.16	0.00	0.00	0.00	0.00	0.00
6	0.00	0.84	0.01	0.00	0.17	0.49	0.00	0.00	0.03	0.00	0.02	0.84
7	0.10	0.00	0.00	0.00	0.23	1.78	1.83	0.00	1.12	0.00	0.01	0.15
8	1.40	0.00	0.00	0.00	0.00	0.01	1.15	0.00	1.57	0.20	0.01	0.05
9	0.69	0.00	0.16	0.00	0.04	0.01	0.38	0.00	0.00	0.01	0.00	0.01
10	1.68	0.01	0.60	0.00	0.20	0.01	0.33	0.00	0.00	0.00	0.04	0.00
11	0.94	0.32	0.06	0.00	0.00	0.00	0.07	0.07	0.00	0.00	0.00	0.00
12	0.00	1.09	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.09	0.31	0.46	0.00	0.00	0.15	0.00	0.00	0.06	0.00	0.00	0.00
14	0.07	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.01	---	0.00	0.00
15	0.32	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	---	0.00	0.00
16	0.00	1.76	0.00	0.02	1.04	0.01	0.00	0.02	0.50	---	0.00	0.00
17	0.00	0.13	0.00	0.00	0.05	0.67	0.00	0.00	0.04	---	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.00	---	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	1.44	0.00	0.01	0.00	---	0.00	0.00
20	0.00	0.00	0.06	0.00	0.20	0.91	0.00	0.00	0.00	---	0.00	0.00
21	0.00	0.08	0.00	0.00	0.01	0.00	0.01	0.00	0.00	---	0.24	0.00
22	0.00	0.00	0.00	0.49	0.47	0.00	0.00	0.61	0.00	0.08	0.01	0.35
23	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.58	0.00	0.44	0.00	0.17
24	0.03	0.00	1.42	0.00	0.00	0.00	0.00	0.00	0.00	1.16	0.00	0.00
25	0.01	0.00	0.00	0.00	0.00	0.00	0.48	0.19	0.00	0.52	0.00	0.00
26	0.01	0.00	0.00	0.00	0.04	0.00	0.00	0.43	0.00	0.17	0.00	0.01
27	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.01	0.00	0.22	0.00	0.00
28	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00
29	0.04	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.58	0.00	0.00
30	0.43	0.00	0.00	0.00	---	0.25	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.14	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	6.10	4.61	4.51	0.58	3.22	7.85	4.41	3.10	3.89	---	1.70	1.59

OGEECHEE RIVER BASIN
2003 Water Year

02200000 OGEECHEE RIVER AT GA 16, AT JEWELL, GA

LOCATION.—Lat 33°17'48", long 82°46'40", Hancock-Warren County line, Hydrologic Unit 03060201, at GA 16, at Jewell.

DRAINAGE AREA.—242 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1888, 1928-29, 1944, 1961, 1971**,** 1984 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 331.28 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—

STAGE: 34.12 feet, December 1888 (day unknown)
DISCHARGE: 27,000 cfs, December 1888 (day unknown)

MAXIMUM FOR CURRENT YEAR.—

STAGE: 16.96 feet, May 7
DISCHARGE: 5,040 cfs, May 7

OGEECHEE RIVER BASIN
2003 Water Year

02200400 ROCKY COMFORT CREEK AT GA 88, NEAR GRANGE, GA

LOCATION.—Lat 33°06'09", long 82°34'02" referenced to North American Datum (NAD) of 1927, Jefferson County, Hydrologic Unit 03060201, at culvert on GA 88, 1.5 miles northeast of Grange.

DRAINAGE AREA.—188 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1979 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 250.10 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest stage gage is a device that will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.--
STAGE: 16.00 feet, March 10, 1998
DISCHARGE: 5,250 cfs, March 10, 1998

MAXIMUM FOR CURRENT YEAR.--
STAGE: 13.45 feet, March 20
DISCHARGE: 2,810 cfs, March 20

OGEECHEE RIVER BASIN
2003 Water Year

02200930 SPRING CREEK NEAR LOUISVILLE, GA
(Published previous to 1987 as Ogeechee River tributary near Louisville, GA)

LOCATION.—Lat 32°55'22", long 82°18'49", Jefferson County, Hydrologic Unit 03060201, at culvert on GA 17, 8.5 miles southeast of Louisville.

DRAINAGE AREA.—14.2 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1965 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 210.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest stage gage is a device that will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

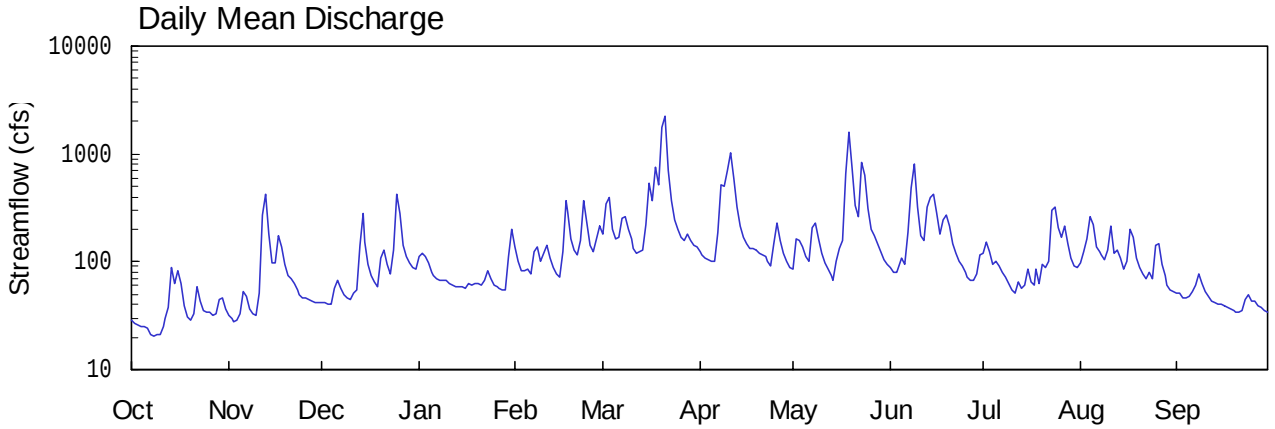
MAXIMUM FOR PERIOD OF RECORD.--
STAGE: 10.38 feet, October 12, 1990
DISCHARGE: 2,200 cfs, October 12, 1990

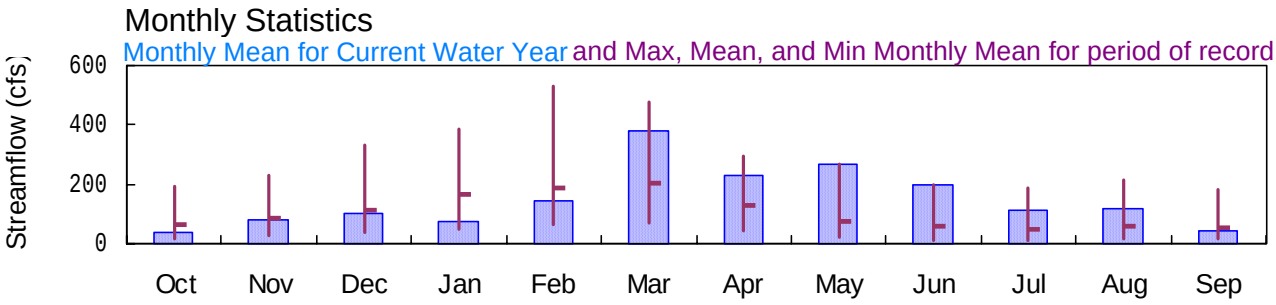
MAXIMUM FOR CURRENT YEAR.--
STAGE: 5.77 feet, March 20
DISCHARGE: 538 cfs, March 20

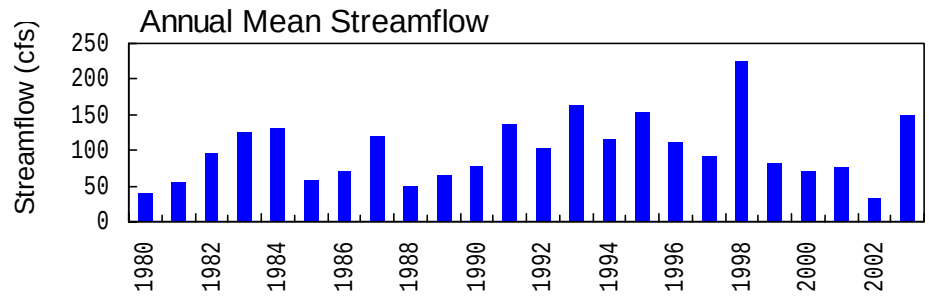
2003 Water Year

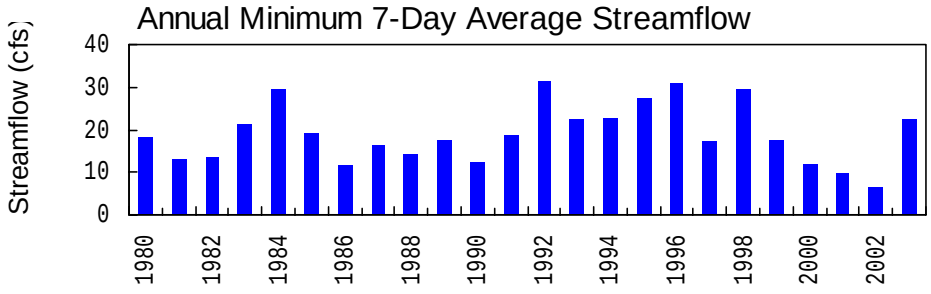
02201000 WILLIAMSON SWAMP CREEK AT DAVISBORO, GA

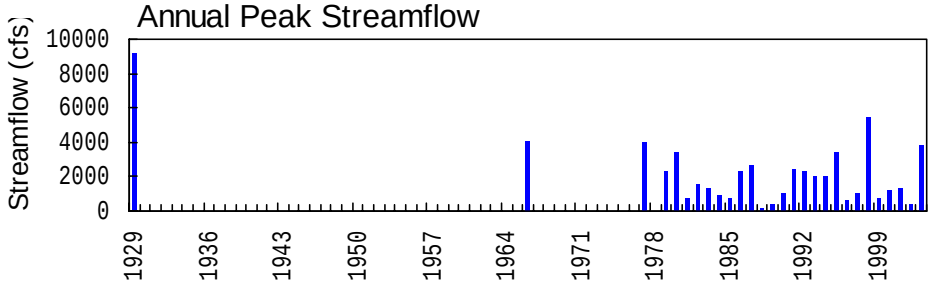
Latitude: 32°58'32" Longitude: 082°36'36" Hydrologic Unit Code: 03060201 Washington County
Drainage Area: 109.0 mi² Datum: 270.0 feet











02201000 Williamson Swamp Creek at Davisboro, GA
May 11, 1983

OGEECHEE RIVER BASIN
2003 Water Year

02201000 WILLIAMSON SWAMP CREEK AT DAVISBORO, GA

LOCATION.—Lat 32°58'32", long 82°36'36" referenced to North American Datum (NAD) of 1927, Washington County, Hydrologic Unit 03060201, on downstream side of bridge on GA 231 at Davisboro, 1.2 miles downstream from Central of Georgia Railroad bridge, and 1.9 miles downstream from Sun Hill Creek.

DRAINAGE AREA.—109 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July to December 1903, water years 1979-80 (annual maximum), May 1980 to current year. Monthly discharges only for July to December 1903, published in WSP 1304.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 263.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from information obtained from Georgia Department of Transportation). From August 16, 1978 to May 8, 1980, a crest-stage gage located at same site and datum.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Periods of monthly discharges only are not included in statistics computations.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 650 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/18	1600	864	7.93
03/20	2300	3,830*	11.23*
04/11	1000	1,120	8.38
05/19	0800	2,030	9.58
05/23	1800	1,190	8.49
06/09	1000	923	8.04

02201000 WILLIAMSON SWAMP CREEK AT DAVISBORO, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—July to December 1903, water years 1979-80 (annual maximum), May 1980 to current year. Monthly discharges only for July to December 1903, published in WSP 1304.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 263.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from information obtained from Georgia Department of Transportation). From August 16, 1978 to May 8, 1980, a crest-stage gage located at same site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.23 feet, March 20; minimum gage-height recorded 2.53 feet, October 7-9.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02201000 WILLIAMSON SWAMP CREEK AT DAVISBORO, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 303
LATITUDE 325832 LONGITUDE 0823636 NAD27 DRAINAGE AREA 109.00* CONTRIBUTING DRAINAGE AREA DATUM 270.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	32	42	112	138	179	123	85	88	122	96	51
2	27	30	42	119	101	346	115	162	80	151	125	50
3	26	28	41	113	83	399	110	156	80	122	163	47
4	25	29	40	97	83	203	104	138	97	95	265	47
5	25	33	56	81	86	160	100	110	107	102	218	49
6	24	53	67	75	78	167	100	100	96	90	135	54
7	21	48	56	70	123	255	190	208	185	79	122	60
8	21	37	49	68	136	260	523	228	489	72	115	77
9	21	33	47	67	100	202	507	166	808	63	104	63
10	21	32	45	67	120	164	703	122	321	55	128	52
11	25	50	52	64	141	134	1040	97	172	52	213	47
12	30	268	56	60	107	118	602	86	158	66	118	43
13	38	420	140	58	87	124	320	74	321	57	129	42
14	89	183	280	58	76	128	214	67	398	61	107	41
15	64	97	153	59	72	220	170	102	425	87	85	41
16	82	99	95	56	124	538	147	134	285	65	103	39
17	62	172	76	63	365	368	134	155	179	61	200	38
18	40	137	65	62	286	743	132	651	248	84	167	36
19	31	93	59	64	162	524	129	1570	276	64	108	35
20	29	75	108	63	128	1750	119	739	214	95	89	34
21	32	69	126	60	115	2260	116	331	148	87	78	34
22	58	63	93	68	156	707	112	260	119	102	71	36
23	43	55	76	84	366	370	101	846	102	299	78	44
24	36	50	129	69	232	248	91	637	91	320	69	50
25	35	47	427	61	143	197	148	312	81	209	143	44
26	34	46	283	59	122	170	227	202	72	171	145	43
27	31	45	142	57	162	160	156	173	66	217	94	39
28	32	44	110	54	212	181	120	148	67	149	73	38
29	45	42	98	54	---	158	101	123	77	107	61	36
30	47	42	88	112	---	143	89	106	114	91	55	34
31	37	---	85	201	---	138	---	94	---	89	53	---
TOTAL	1159	2452	3226	2355	4104	11714	6843	8382	5964	3484	3710	1344
MEAN	37.4	81.7	104	76.0	147	378	228	270	199	112	120	44.8
MAX	89	420	427	201	366	2260	1040	1570	808	320	265	77
MIN	21	28	40	54	72	118	89	67	66	52	53	34
CFSM	0.34	0.75	0.95	0.70	1.34	3.47	2.09	2.48	1.82	1.03	1.10	0.41
IN.	0.40	0.84	1.10	0.80	1.40	4.00	2.34	2.86	2.04	1.19	1.27	0.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2003, BY WATER YEAR (WY)

MEAN	66.7	84.1	110	165	185	203	128	75.5	56.9	50.5	57.6	54.6
MAX	195	229	330	386	533	475	297	270	199	187	215	184
(WY)	1995	1993	1998	1987	1998	1998	1998	2003	2003	1994	1992	1998
MIN	15.2	28.7	39.2	50.3	66.1	67.8	40.6	20.0	12.7	11.2	14.2	16.8
(WY)	2002	2002	2002	2002	2002	1985	2002	2002	2002	2002	2002	1981

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1980 - 2003	
ANNUAL TOTAL	16638.5		54737			
ANNUAL MEAN	45.6		150		103	
HIGHEST ANNUAL MEAN					225	1998
LOWEST ANNUAL MEAN					33.8	2002
HIGHEST DAILY MEAN	427	Dec 25	2260	Mar 21	4300	Mar 9 1998
LOWEST DAILY MEAN	6.0	Jul 21	21	Oct 7	6.0	Jul 21 2002
ANNUAL SEVEN-DAY MINIMUM	6.3	Jul 17	23	Oct 4	6.3	Jul 17 2002
MAXIMUM PEAK FLOW			3830	Mar 20	5430	Mar 9 1998
MAXIMUM PEAK STAGE			11.23	Mar 20	12.38	Mar 9 1998
INSTANTANEOUS LOW FLOW					5.6	Aug 20 2002
ANNUAL RUNOFF (CFSM)	0.42		1.38		0.94	
ANNUAL RUNOFF (INCHES)	5.68		18.68		12.84	
10 PERCENT EXCEEDS	88		285		212	
50 PERCENT EXCEEDS	34		96		62	
90 PERCENT EXCEEDS	9.4		38		22	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02201000 WILLIAMSON SWAMP CREEK AT DAVISBORO, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 303
LATITUDE 325832 LONGITUDE 0823636 NAD27 DRAINAGE AREA 109.00* CONTRIBUTING DRAINAGE AREA DATUM 270.00 NGVD29

APPROVED

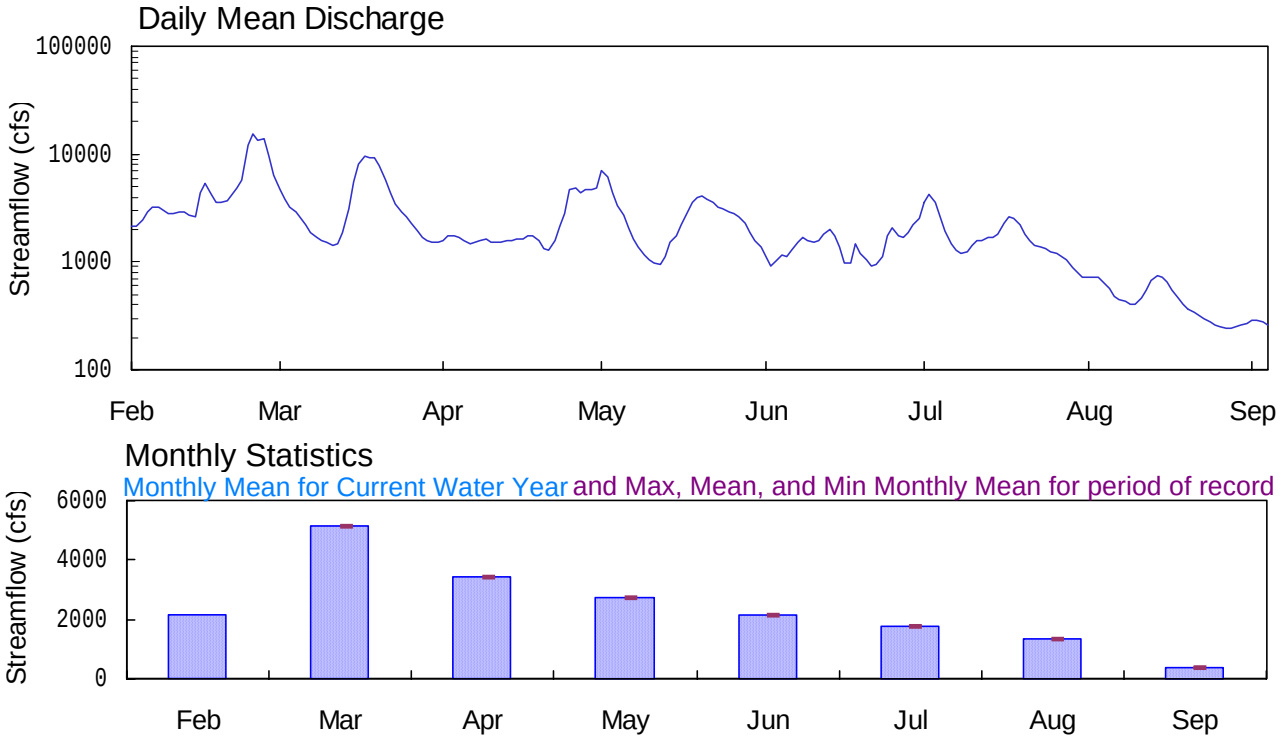
Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

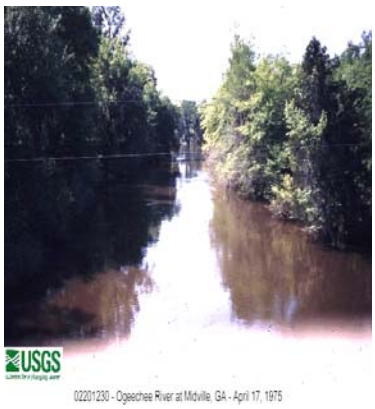
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.74	2.83	3.05	4.19	4.57	5.10	4.35	3.72	3.77	4.33	3.92	3.09
2	2.71	2.77	3.04	4.30	3.99	6.37	4.22	4.89	3.64	4.76	4.39	3.08
3	2.69	2.73	3.02	4.20	3.69	6.64	4.14	4.82	3.65	4.34	4.91	3.01
4	2.66	2.75	3.01	3.93	3.69	5.36	4.05	4.58	3.94	3.90	5.92	3.01
5	2.65	2.85	3.32	3.65	3.74	4.87	3.99	4.15	4.10	4.01	5.50	3.04
6	2.62	3.26	3.54	3.55	3.61	4.95	3.98	3.98	3.92	3.81	4.53	3.15
7	2.55	3.17	3.32	3.46	4.34	5.85	5.04	5.39	5.08	3.63	4.34	3.27
8	2.53	2.94	3.19	3.43	4.55	5.90	7.11	5.61	6.96	3.51	4.23	3.58
9	2.54	2.84	3.14	3.41	3.99	5.36	7.09	4.94	7.81	3.32	4.04	3.33
10	2.55	2.82	3.10	3.41	---	4.92	7.58	4.34	6.19	3.16	4.38	3.12
11	2.66	3.18	3.24	3.34	4.62	4.53	8.24	3.93	5.01	3.10	5.42	3.01
12	2.78	5.61	3.32	3.27	4.09	4.28	7.31	3.74	4.84	3.38	4.28	2.94
13	2.95	6.51	4.44	3.23	3.76	4.37	6.25	3.53	6.23	3.21	4.44	2.90
14	3.89	4.98	5.81	3.22	3.57	4.44	5.49	3.40	6.65	3.27	4.09	2.89
15	3.46	4.00	4.69	3.25	3.49	5.36	5.00	4.01	6.77	3.75	3.73	2.88
16	3.78	4.01	3.97	3.19	4.27	7.17	4.71	4.52	6.01	3.36	3.98	2.86
17	3.43	4.92	3.67	3.32	6.48	6.50	4.53	4.75	5.10	3.29	5.34	2.83
18	3.00	4.52	3.50	3.30	6.00	7.67	4.49	7.42	5.79	3.71	4.93	2.79
19	2.81	3.96	3.39	3.34	4.89	7.09	4.45	9.00	6.00	3.34	4.11	2.76
20	2.75	3.66	4.13	3.32	4.44	8.84	4.30	7.61	5.46	3.89	3.79	2.75
21	2.83	3.55	4.39	3.26	4.24	9.70	4.25	6.31	4.72	3.76	3.60	2.76
22	3.36	3.45	3.95	3.42	4.75	7.57	4.18	5.88	4.30	4.00	3.47	2.78
23	3.07	3.32	3.68	3.70	6.50	6.51	4.00	7.81	4.02	6.11	3.61	2.96
24	2.91	3.22	4.32	3.43	5.58	5.79	3.83	7.39	3.84	6.27	3.44	3.06
25	2.89	3.15	6.53	3.28	4.64	5.31	4.64	6.20	3.65	5.39	4.59	2.95
26	2.86	3.12	5.74	3.24	4.35	5.00	5.62	5.36	3.50	5.00	4.66	2.93
27	2.81	3.11	4.57	3.20	4.87	4.87	4.81	5.03	3.39	5.53	3.87	2.86
28	2.84	3.09	4.15	3.15	5.47	5.13	4.31	4.72	3.40	4.72	3.52	2.83
29	3.11	3.05	3.95	3.15	---	4.85	4.00	4.36	3.59	4.10	3.30	2.78
30	3.15	3.06	3.77	4.13	---	4.65	3.80	4.08	4.22	3.83	3.18	2.75
31	2.94	---	3.73	5.36	---	4.58	---	3.89	---	3.80	3.13	---
MEAN	2.92	3.55	3.89	3.54	---	5.79	4.99	5.14	4.85	4.05	4.21	2.96
MAX	3.89	6.51	6.53	5.36	---	9.70	8.24	9.00	7.81	6.27	5.92	3.58
MIN	2.53	2.73	3.01	3.15	---	4.28	3.80	3.40	3.39	3.10	3.13	2.75

2003 Water Year

02201230 OGEECHEE RIVER AT MIDVILLE, GA

Latitude: 32°48'52" Longitude: 082°14'07" Hydrologic Unit Code: 03060201 Burke County
Drainage Area: 1300. mi^2 Datum: 169.9 feet





OGEECHEE RIVER BASIN
2003 Water Year

02201230 OGEECHEE RIVER AT MIDVILLE, GA

LOCATION.—Lat 32˚48'52", long 81˚14'07" referenced to North American Datum (NAD) of 1927, Burke County, Hydrologic Unit 03060201, on left bank, 5.0 feet downstream of bridge on GA 56, at Midville.

DRAINAGE AREA.—1,300 square miles, approximately.

COOPERATION.—USGS National Streamflow Information Program (NSIP).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1930 to October 1989 (gage-height only), February 26, 2003 to September 30, 2003. Gage-height only records contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 168.86 feet above National Geodetic Vertical Datum (NGVD) of 1929. Staff gage was installed from July 1930 to October 1931 at gage datum of 171.96 feet, referenced to the National Geodetic Vertical Datum (NGVD) of 1929. A staff gage or wire-weight gage was installed from October 1931 to October 1989 at gage datum of 169.96 feet, referenced to the National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

WATER-STAGE RECORDS

PERIOD OF RECORD.—July 1930 to October 1989 (gage-height only), February 26, 2003 to September 30, 2003. Gage-height only records contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 168.86 feet above National Geodetic Vertical Datum (NGVD) of 1929. Staff gage was installed from July 1930 to October 1931 at gage datum of 171.96 feet, referenced to the National Geodetic Vertical Datum (NGVD) of 1929. A staff gage or wire-weight gage was installed from October 1931 to October 1989 at gage datum of 169.96 feet, referenced to the National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1929 was 12.4 feet in October 1929.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 8.51 feet, March 22; minimum gage-height recorded, 0.90 feet, September 22.

02201230 OGEECHEE RIVER AT MIDVILLE, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 26, 2003 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02201230 OGEECHEE RIVER AT MIDVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 033
LATITUDE 324852 LONGITUDE 0821407 NAD27 DRAINAGE AREA 1300.00 CONTRIBUTING DRAINAGE AREA 1300* DATUM 169.96 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	2440	2180	1590	2100	1120	1490	478
2	---	---	---	---	---	2880	1880	1490	1650	1260	1270	451
3	---	---	---	---	---	3250	1710	1510	1360	1530	1180	427
4	---	---	---	---	---	3250	1600	1600	1160	1660	1240	410
5	---	---	---	---	---	3000	1500	1630	1050	1590	1430	406
6	---	---	---	---	---	2840	1440	1540	971	1510	1580	461
7	---	---	---	---	---	2800	1490	1510	936	1570	1570	554
8	---	---	---	---	---	2910	1870	1550	1140	1800	1670	679
9	---	---	---	---	---	2890	3090	1590	1510	1960	1660	739
10	---	---	---	---	---	2700	5490	1590	1770	1740	1790	713
11	---	---	---	---	---	2590	8160	1600	2200	1370	2300	643
12	---	---	---	---	---	4360	9600	1650	2690	986	2600	551
13	---	---	---	---	---	5420	9350	1740	3540	983	2500	466
14	---	---	---	---	---	4240	9140	1740	3980	1490	2190	406
15	---	---	---	---	---	3560	7830	1570	4100	1200	1780	367
16	---	---	---	---	---	3540	5800	1330	3870	1050	1560	338
17	---	---	---	---	---	3690	4380	1280	3550	906	1420	314
18	---	---	---	---	---	4290	3490	1600	3260	939	1390	294
19	---	---	---	---	---	4800	2930	2140	3120	1130	1320	276
20	---	---	---	---	---	5760	2580	2830	2910	1740	1250	260
21	---	---	---	---	---	12000	2260	4630	2840	2050	1190	247
22	---	---	---	---	---	15400	1920	4810	2660	1720	1130	238
23	---	---	---	---	---	13600	1700	4380	2300	1660	1030	241
24	---	---	---	---	---	14000	1590	4620	1870	1880	893	250
25	---	---	---	---	---	9700	1520	4650	1600	2230	787	263
26	---	---	---	---	---	6380	1500	4790	1380	2570	726	270
27	---	---	---	---	2110	4750	1600	7080	1110	3580	711	283
28	---	---	---	---	2130	3830	1710	6160	921	4270	716	284
29	---	---	---	---	---	3260	1750	4420	1020	3540	721	274
30	---	---	---	---	---	2900	1680	3350	1140	2640	660	260
31	---	---	---	---	---	2540	---	2670	---	1900	559	---
TOTAL	---	---	---	---	---	159570	102740	84640	63708	55574	42313	11843
MEAN	---	---	---	---	---	5147	3425	2730	2124	1793	1365	395
MAX	---	---	---	---	---	15400	9600	7080	4100	4270	2600	739
MIN	---	---	---	---	---	2440	1440	1280	921	906	559	238
CFSM	---	---	---	---	---	3.96	2.63	2.10	1.63	1.38	1.05	0.30
IN.	---	---	---	---	---	4.57	2.94	2.42	1.82	1.59	1.21	0.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2003, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	5147	3425	2730	2124	1793	1365	395
MAX	---	---	---	---	---	5147	3425	2730	2124	1793	1365	395
(WY)	---	---	---	---	---	2003	2003	2003	2003	2003	2003	2003
MIN	---	---	---	---	---	5147	3425	2730	2124	1793	1365	395
(WY)	---	---	---	---	---	2003	2003	2003	2003	2003	2003	2003

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02201230 OGEECHEE RIVER AT MIDVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 033
LATITUDE 324852 LONGITUDE 0821407 NAD27 DRAINAGE AREA 1300.00 CONTRIBUTING DRAINAGE AREA 1300* DATUM 169.96 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	5.40	5.25	4.75	5.19	4.13	4.64	2.45
2	---	---	---	---	---	5.62	5.05	4.63	4.83	4.34	4.34	2.33
3	---	---	---	---	---	5.80	4.90	4.66	4.46	4.68	4.23	2.23
4	---	---	---	---	---	5.79	4.77	4.77	4.20	4.85	4.31	2.15
5	---	---	---	---	---	5.68	4.65	4.81	4.03	4.76	4.55	2.13
6	---	---	---	---	---	5.61	4.56	4.69	3.90	4.66	4.75	2.38
7	---	---	---	---	---	5.59	4.63	4.66	3.83	4.74	4.74	2.74
8	---	---	---	---	---	5.64	5.02	4.71	4.16	4.99	4.85	3.16
9	---	---	---	---	---	5.63	5.71	4.75	4.65	5.11	4.85	3.35
10	---	---	---	---	---	5.53	6.53	4.76	4.96	4.92	4.96	3.27
11	---	---	---	---	---	5.48	7.16	4.77	5.26	4.48	5.32	3.04
12	---	---	---	---	---	6.18	7.43	4.83	5.53	3.91	5.48	2.73
13	---	---	---	---	---	6.53	7.39	4.94	5.91	3.85	5.43	2.40
14	---	---	---	---	---	6.17	7.35	4.94	6.08	4.63	5.25	2.13
15	---	---	---	---	---	5.92	7.09	4.73	6.13	4.26	4.97	1.92
16	---	---	---	---	---	5.92	6.62	4.42	6.04	4.03	4.72	1.73
17	---	---	---	---	---	5.98	6.22	4.35	5.92	3.77	4.55	1.56
18	---	---	---	---	---	6.19	5.89	4.76	5.80	3.83	4.50	1.41
19	---	---	---	---	---	6.35	5.65	5.22	5.74	4.14	4.41	1.26
20	---	---	---	---	---	6.61	5.47	5.59	5.64	4.92	4.33	1.14
21	---	---	---	---	---	7.85	5.29	6.29	5.60	5.17	4.24	1.02
22	---	---	---	---	---	8.41	5.08	6.35	5.51	4.91	4.16	0.93
23	---	---	---	---	---	8.12	4.89	6.22	5.32	4.85	4.00	0.96
24	---	---	---	---	---	8.18	4.76	6.30	5.04	5.05	3.74	1.04
25	---	---	---	---	---	7.44	4.68	6.31	4.77	5.28	3.48	1.16
26	---	---	---	---	---	6.77	4.65	6.35	4.49	5.46	3.31	1.22
27	---	---	---	---	5.21	6.33	4.77	6.93	4.12	5.93	3.26	1.32
28	---	---	---	---	5.22	6.03	4.90	6.72	3.80	6.18	3.28	1.33
29	---	---	---	---	---	5.80	4.95	6.23	3.98	5.91	3.29	1.25
30	---	---	---	---	---	5.63	4.86	5.84	4.17	5.50	3.10	1.13
31	---	---	---	---	---	5.45	---	5.52	---	5.05	2.76	---
MEAN	---	---	---	---	---	6.25	5.54	5.32	4.97	4.78	4.32	1.90
MAX	---	---	---	---	---	8.41	7.43	6.93	6.13	6.18	5.48	3.35
MIN	---	---	---	---	---	5.40	4.56	4.35	3.80	3.77	2.76	0.93

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02201230 OGEECHEE RIVER AT MIDVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 033
LATITUDE 324852 LONGITUDE 0821407 NAD27 DRAINAGE AREA 1300.00 CONTRIBUTING DRAINAGE AREA 1300* DATUM 169.96 NGVD29

APPROVED

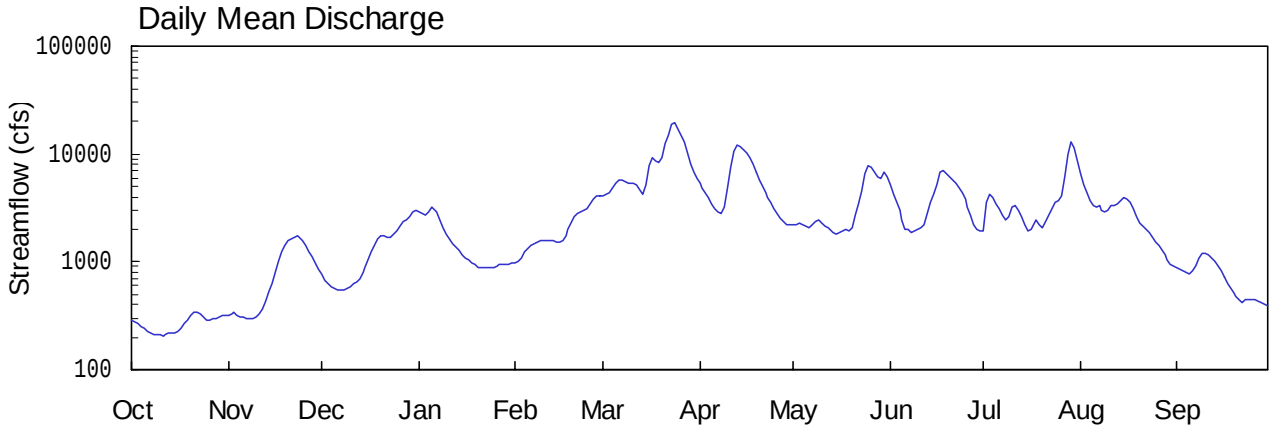
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

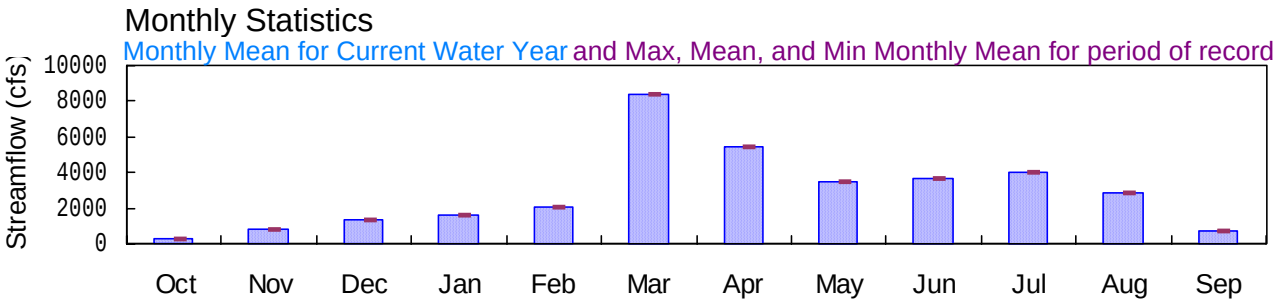
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	0.71	0.00	0.99	0.00	0.83	0.03	0.00
2	---	---	---	---	---	0.60	0.00	0.44	0.00	0.06	0.02	0.12
3	---	---	---	---	---	0.00	0.00	0.01	0.27	0.01	0.51	0.00
4	---	---	---	---	---	0.05	0.00	0.00	0.00	0.00	0.02	0.01
5	---	---	---	---	---	0.02	0.00	0.00	0.00	0.00	0.00	0.04
6	---	---	---	---	---	0.32	0.04	0.98	0.05	0.00	0.50	0.42
7	---	---	---	---	---	0.76	1.35	0.04	0.53	0.05	0.00	0.29
8	---	---	---	---	---	0.00	1.30	0.06	1.14	0.01	0.80	0.00
9	---	---	---	---	---	0.00	0.71	0.00	0.00	0.00	0.00	0.00
10	---	---	---	---	---	0.01	1.40	0.00	0.00	0.00	0.07	0.00
11	---	---	---	---	---	0.00	0.01	0.26	0.00	0.00	0.14	0.00
12	---	---	---	---	---	0.00	0.00	0.00	0.07	0.00	0.68	0.00
13	---	---	---	---	---	0.22	0.00	0.00	1.57	4.09	0.01	0.00
14	---	---	---	---	---	0.00	0.00	0.04	0.48	0.10	0.00	0.00
15	---	---	---	---	---	1.60	0.00	0.36	0.00	0.00	0.33	0.00
16	---	---	---	---	---	0.00	0.00	0.08	0.20	0.00	1.05	0.00
17	---	---	---	---	---	1.66	0.04	1.67	0.02	0.01	0.00	0.00
18	---	---	---	---	---	0.04	0.02	0.44	1.38	0.00	0.00	0.00
19	---	---	---	---	---	0.22	0.00	0.11	0.00	2.44	0.61	0.00
20	---	---	---	---	---	2.69	0.00	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	---	0.09	0.00	0.00	0.00	0.10	0.02	0.00
22	---	---	---	---	---	0.00	0.00	1.16	0.00	1.29	0.00	0.08
23	---	---	---	---	---	0.00	0.00	0.13	0.00	0.91	0.00	0.18
24	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	---	---	---	---	---	0.00	0.41	0.00	0.00	0.14	0.00	0.00
26	---	---	---	---	---	0.00	0.00	0.02	0.00	2.36	0.00	0.00
27	---	---	---	---	---	0.16	0.00	0.00	0.00	0.01	0.00	0.00
28	---	---	---	---	---	0.00	0.00	0.00	1.75	0.00	0.00	0.00
29	---	---	---	---	---	0.00	0.00	0.00	1.19	0.00	0.00	0.00
30	---	---	---	---	---	0.19	0.00	0.00	0.02	0.00	0.00	0.00
31	---	---	---	---	---	0.00	---	0.09	---	0.46	0.00	---
TOTAL	---	---	---	---	---	9.34	5.28	6.88	8.67	12.87	4.79	1.14

2003 Water Year

02202040 OGEECHEE RIVER AT ROCKY FORD RD, NR ROCKY FORD, GA

Latitude: 32°38'56" Longitude: 081°50'27" Hydrologic Unit Code: 03060202 Screven County
Drainage Area: 2040. mi^2 Datum: 134.0 feet





NO PHOTOS AVAILABLE FOR THIS SITE

OGEECHEE RIVER BASIN
2003 Water Year

02202040 OGEECHEE RIVER AT ROCKY FORD ROAD, NEAR ROCKY FORD, GA

LOCATION.—Lat 32˚38'56", long 81˚50'27" referenced to North American Datum (NAD) of 1927, Screven-Jenkins County line, Hydrologic Unit 03060202, on downstream side of Rocky Ford Road bridge, 2.1 miles west of Rocky Ford, GA.

DRAINAGE AREA.—2,040 square miles.

COOPERATION.—USGS National Streamflow Information Program (NSIP).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—September 26, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 134 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—September 26, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 134 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.92 feet, March 23; minimum gage-height recorded, 2.74 feet, October 8, 10, 11.

PRECIPITATION RECORDS

PERIOD OF RECORD.—September 26, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02202040 OGEECHEE RIVER AT ROCKY FORD RD, NR ROCKY FORD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 251
LATITUDE 323856 LONGITUDE 0815027 NAD27 DRAINAGE AREA 2040.00* CONTRIBUTING DRAINAGE AREA DATUM

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	286	314	764	2940	969	4120	5310	2210	5210	1930	6480	879
2	277	325	679	2770	997	4220	4790	2240	4270	3580	5100	847
3	266	335	625	2750	1080	4330	4340	2280	3540	4180	4300	825
4	254	323	587	2950	1220	4870	3890	2230	2970	3940	3690	795
5	241	305	568	3160	1350	5450	3450	2110	2410	3470	3320	782
6	229	303	553	3160	1410	5690	3070	2060	2000	3070	3270	815
7	216	294	541	2900	1460	5700	2880	2180	1990	2730	3370	922
8	212	294	541	2460	1500	5470	2780	2350	1890	2480	2970	1100
9	210	301	559	2060	1560	5330	3190	2420	1910	2650	2930	1200
10	210	312	591	1810	1590	5360	4820	2310	1970	3240	3050	1190
11	206	324	623	1640	1590	5320	7560	2160	2070	3360	3330	1140
12	211	361	648	1500	1600	5100	10700	2050	2240	3050	3320	1090
13	219	437	704	1370	1590	4680	12100	1940	2810	2660	3410	1020
14	219	527	785	1270	1530	4280	11800	1850	3540	2250	3650	922
15	217	630	896	1170	1500	5210	11100	1820	4290	1960	3900	817
16	225	787	1050	1090	1580	7760	10100	1860	5180	1980	3840	712
17	246	1010	1220	1030	1750	9170	9270	1950	6860	2310	3560	630
18	266	1240	1440	978	1980	8610	8030	2000	7010	2450	3120	569
19	289	1430	1650	934	2300	8300	6770	1930	6500	2190	2650	518
20	313	1550	1740	897	2600	9180	5710	2060	6070	2080	2300	476
21	337	1620	1730	879	2780	12500	4930	2730	5680	2350	2110	442
22	344	1690	1700	885	2920	15100	4370	3480	5420	2730	1990	419
23	331	1720	1700	879	2960	18700	3920	4590	4920	3130	1860	440
24	308	1680	1790	877	3100	19200	3510	6530	4310	3550	1680	440
25	290	1560	1930	894	3440	16800	3150	7920	3760	3660	1530	447
26	291	1400	2110	915	3750	15100	2820	7540	3250	4030	1420	443
27	294	1250	2390	937	4050	12900	2530	6770	2720	6070	1290	428
28	300	1110	2460	957	4130	10200	2360	6130	2230	9800	1150	413
29	309	966	2630	960	---	8150	2240	6030	2020	13200	1040	402
30	314	862	2910	958	---	6860	2180	6710	1930	11400	955	393
31	314	---	3030	963	---	5970	---	6240	---	8540	907	---
TOTAL	8244	25260	41144	48943	58286	259630	163670	106680	110970	124020	87492	21516
MEAN	266	842	1327	1579	2082	8375	5456	3441	3699	4001	2822	717
MAX	344	1720	3030	3160	4130	19200	12100	7920	7010	13200	6480	1200
MIN	206	294	541	877	969	4120	2180	1820	1890	1930	907	393
CFSM	0.13	0.41	0.65	0.77	1.02	4.11	2.67	1.69	1.81	1.96	1.38	0.35
IN.	0.15	0.46	0.75	0.89	1.06	4.73	2.98	1.95	2.02	2.26	1.60	0.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	266	842	1327	1579	2082	8375	5456	3441	3699	4001	2822	717
MAX	266	842	1327	1579	2082	8375	5456	3441	3699	4001	2822	717
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	266	842	1327	1579	2082	8375	5456	3441	3699	4001	2822	717
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	1055855			
ANNUAL MEAN	2893		2893	
HIGHEST ANNUAL MEAN			2893	2003
LOWEST ANNUAL MEAN			2893	2003
HIGHEST DAILY MEAN	19200	Mar 24	19200	Mar 24 2003
LOWEST DAILY MEAN	206	Oct 11	206	Oct 11 2002
ANNUAL SEVEN-DAY MINIMUM	212	Oct 7	212	Oct 7 2002
MAXIMUM PEAK FLOW	20300	Mar 23	20300	Mar 23 2003
MAXIMUM PEAK STAGE	13.92	Mar 23	13.92	Mar 23 2003
INSTANTANEOUS LOW FLOW	205	Oct 8	205	Oct 8 2002
ANNUAL RUNOFF (CFSM)	1.42		1.42	
ANNUAL RUNOFF (INCHES)	19.25		19.27	
10 PERCENT EXCEEDS	6490		6490	
50 PERCENT EXCEEDS	2020		2020	
90 PERCENT EXCEEDS	324		324	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02202040 OGEECHEE RIVER AT ROCKY FORD RD, NR ROCKY FORD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 251
LATITUDE 323856 LONGITUDE 0815027 NAD27 DRAINAGE AREA 2040.00* CONTRIBUTING DRAINAGE AREA DATUM

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.19	3.34	5.34	8.64	6.00	9.36	9.94	8.08	9.89	7.75	10.42	5.73
2	3.14	3.40	---	8.52	6.07	9.41	9.70	8.10	9.43	9.01	9.84	5.63
3	3.08	3.45	4.83	8.51	6.25	9.47	9.47	8.14	9.03	9.39	9.45	5.55
4	3.01	3.39	4.66	8.65	6.58	9.73	9.23	8.09	8.66	9.26	9.11	5.46
5	2.94	3.30	4.57	8.79	6.85	9.99	8.97	7.99	8.24	8.99	8.90	5.41
6	2.87	3.29	4.50	8.79	6.98	10.10	8.73	7.92	7.85	8.73	8.86	5.52
7	2.79	3.24	4.45	8.61	7.07	10.10	8.60	8.05	7.83	8.49	8.92	5.86
8	2.76	3.24	4.44	8.28	7.13	10.01	8.53	8.19	7.69	8.30	8.66	6.33
9	2.75	3.27	4.53	7.91	7.21	9.94	8.81	8.25	7.72	8.43	8.63	6.55
10	2.75	3.34	4.67	7.59	7.26	9.96	9.70	8.16	7.81	8.84	8.72	6.52
11	2.74	3.40	4.82	7.34	7.27	9.94	10.82	8.03	7.93	8.92	8.90	6.43
12	2.77	3.58	4.92	7.12	7.28	9.84	11.86	7.91	8.11	8.72	8.89	6.30
13	2.82	3.96	5.14	6.90	7.26	9.64	12.23	7.76	8.54	8.44	8.95	6.13
14	2.82	4.38	5.41	6.68	7.18	9.44	12.17	7.64	9.03	8.11	9.10	5.87
15	2.81	4.85	5.77	6.47	7.12	9.87	11.96	7.60	9.44	7.80	9.24	5.54
16	2.86	5.42	6.19	6.29	7.25	10.90	11.69	7.65	9.87	7.81	9.20	5.18
17	2.98	6.09	6.58	6.15	7.51	11.39	11.42	7.78	10.56	8.16	9.04	4.87
18	3.09	6.62	7.02	6.02	7.82	11.20	11.00	7.85	10.62	8.28	8.76	4.59
19	3.21	7.02	7.35	5.89	8.15	11.10	10.53	7.75	10.42	8.06	8.43	4.36
20	3.34	7.21	7.48	5.77	8.39	11.38	10.10	7.91	10.26	7.95	8.15	4.16
21	3.46	7.31	7.47	5.72	8.53	12.34	9.76	8.49	10.09	8.19	7.98	4.00
22	3.50	7.41	7.43	5.73	8.63	12.94	9.49	8.99	9.98	8.49	7.83	3.90
23	3.43	7.46	7.43	5.72	8.65	13.64	9.25	9.59	9.75	8.77	7.66	4.00
24	3.31	7.40	7.56	5.71	8.75	13.72	9.01	10.43	9.46	9.03	7.40	4.00
25	3.22	7.22	7.75	5.76	8.97	13.29	8.78	10.96	9.16	9.10	7.18	4.03
26	3.22	6.95	7.97	5.83	9.15	12.95	8.55	10.82	8.85	9.30	6.99	4.01
27	3.24	6.64	---	5.90	9.32	12.44	8.34	10.53	8.48	10.25	6.74	3.94
28	3.27	6.34	8.28	5.96	9.36	11.71	8.21	10.28	8.10	11.56	6.44	3.87
29	3.32	---	8.41	5.97	---	11.04	8.11	10.24	7.87	12.53	6.18	3.81
30	3.34	5.66	8.62	5.96	---	10.56	8.05	10.50	7.76	12.05	5.96	3.77
31	3.34	---	8.71	5.98	---	10.21	---	10.32	---	11.17	5.82	---
MEAN	3.08	---	---	6.88	7.64	10.89	9.77	8.71	8.95	9.03	8.27	5.04
MAX	3.50	---	---	8.79	9.36	13.72	12.23	10.96	10.62	12.53	10.42	6.55
MIN	2.74	---	---	5.71	6.00	9.36	8.05	7.60	7.69	7.75	5.82	3.77

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LATITUDE 323856 LONGITUDE 0815027 NAD27 DRAINAGE AREA 2040.00* CONTRIBUTING DRAINAGE AREA DATUM

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

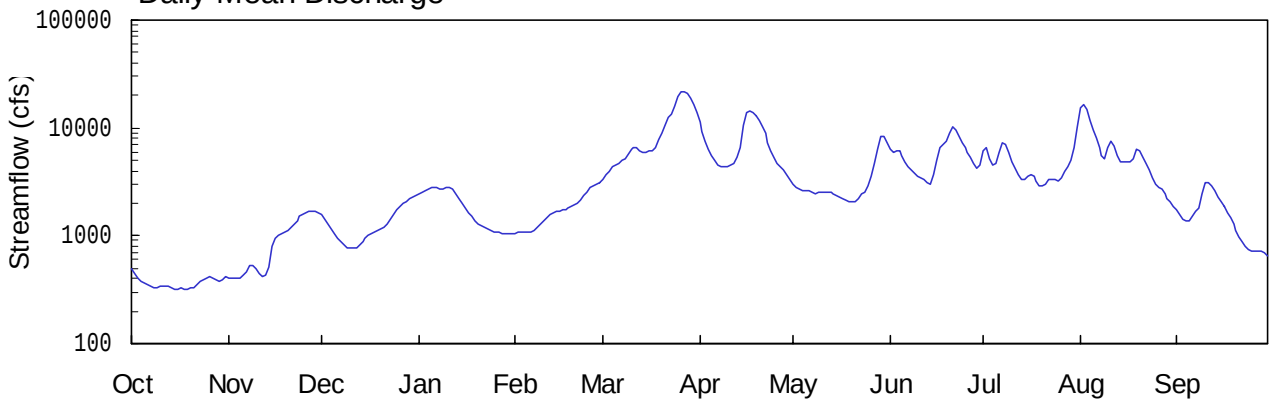
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.10	0.00	1.22	0.00	0.02	0.03	1.45	0.06	0.26
2	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.39	0.01	0.98	0.01	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.08	0.26	0.00
4	0.01	0.10	0.00	0.00	0.10	0.15	0.00	0.00	0.00	0.00	0.10	0.04
5	0.00	0.55	0.37	0.00	0.00	0.01	0.02	0.00	0.03	0.36	0.01	2.32
6	0.00	1.09	0.00	0.00	0.34	0.30	0.16	1.13	0.02	0.00	1.14	0.23
7	0.00	0.00	0.00	0.00	0.06	0.61	0.17	0.00	---	0.26	0.00	0.98
8	0.87	0.00	0.00	0.00	0.00	0.00	0.53	0.01	---	0.00	0.00	0.11
9	0.02	0.00	0.01	0.00	0.01	0.00	0.99	0.00	---	0.00	0.01	0.01
10	0.07	1.31	0.25	0.00	0.10	0.00	0.74	0.00	---	0.02	0.07	0.00
11	0.00	0.61	0.18	0.00	0.00	0.00	0.03	0.04	---	0.31	0.11	0.00
12	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	---	0.02	0.10	0.00
13	0.49	0.07	0.79	0.00	0.00	0.23	0.00	0.00	1.03	0.32	0.07	0.00
14	0.03	0.00	0.00	0.00	0.00	0.08	0.00	0.01	0.27	0.00	---	0.00
15	0.68	0.00	0.00	0.00	0.00	2.46	0.00	0.13	0.00	0.00	---	0.00
16	0.01	1.38	0.00	0.03	1.17	0.00	0.00	0.02	1.38	0.00	---	0.00
17	0.00	0.22	0.00	0.02	0.09	0.65	0.00	0.04	0.01	0.18	---	0.00
18	0.00	0.00	0.00	0.00	0.00	0.05	0.07	0.02	0.00	0.01	---	0.00
19	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.01	0.00	1.04	---	0.00
20	0.00	0.00	0.35	0.00	0.00	1.92	0.00	0.01	0.00	0.01	---	0.00
21	0.25	0.00	0.00	0.00	0.00	0.17	0.00	0.01	0.00	0.00	---	0.00
22	0.00	0.00	0.00	0.39	0.71	0.00	0.00	1.39	0.00	0.10	0.00	1.32
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.21	0.00	0.16
24	0.22	0.00	1.60	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
25	0.02	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.27	0.00	0.00
26	0.01	0.00	0.00	0.00	0.17	0.00	0.01	0.00	0.00	2.00	0.00	0.00
27	0.05	0.00	0.00	0.00	0.51	0.07	0.00	0.00	0.00	0.09	0.00	0.00
28	1.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.73	0.00	0.00
29	0.03	0.00	0.00	0.00	---	0.00	0.00	0.00	0.40	0.00	0.46	0.00
30	0.04	0.00	0.00	0.08	---	0.21	0.00	0.00	0.03	0.00	0.01	0.00
31	0.00	---	0.49	0.00	---	0.00	---	0.02	---	0.00	0.00	---
TOTAL	4.78	5.75	4.04	0.62	3.26	8.31	3.13	3.71	---	8.44	---	5.43

2003 Water Year

02202500 OGEECHEE RIVER NEAR EDEN, GA

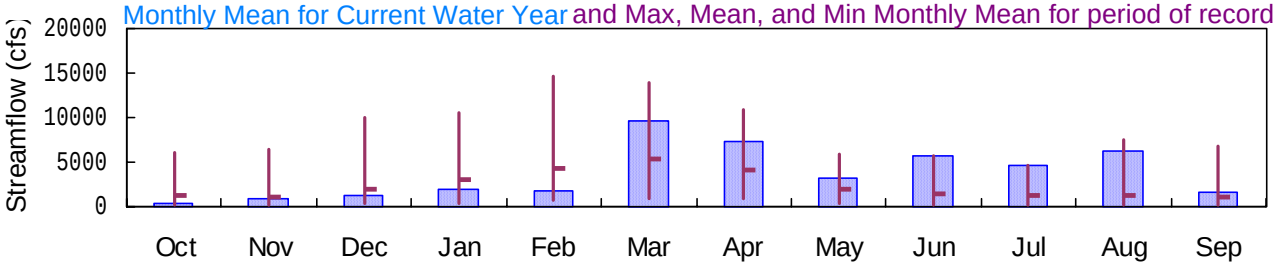
Latitude: 32°11'29" Longitude: 081°24'58" Hydrologic Unit Code: 03060202 Effingham County
Drainage Area: 2650. mi^2 Datum: 19.6 feet

Daily Mean Discharge

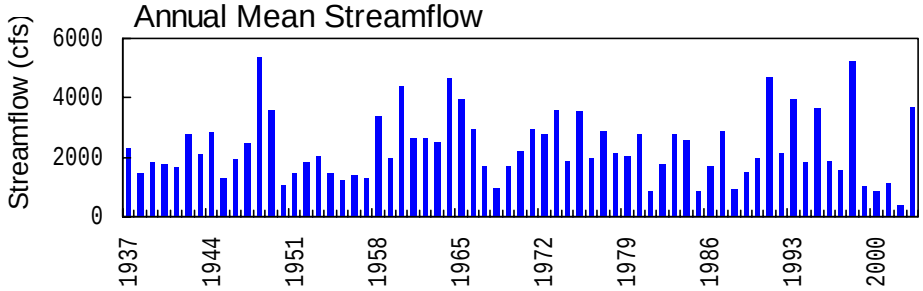


Monthly Statistics

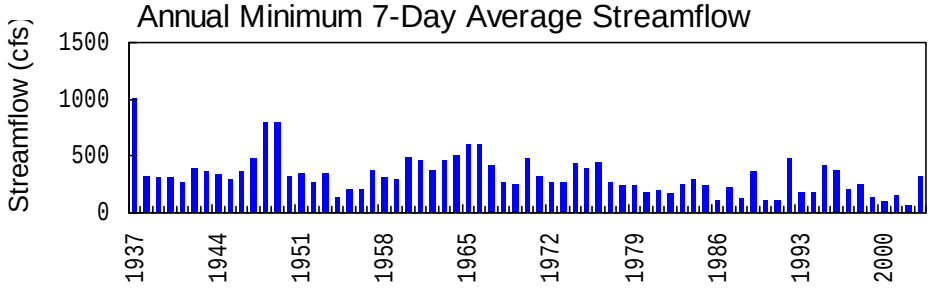
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



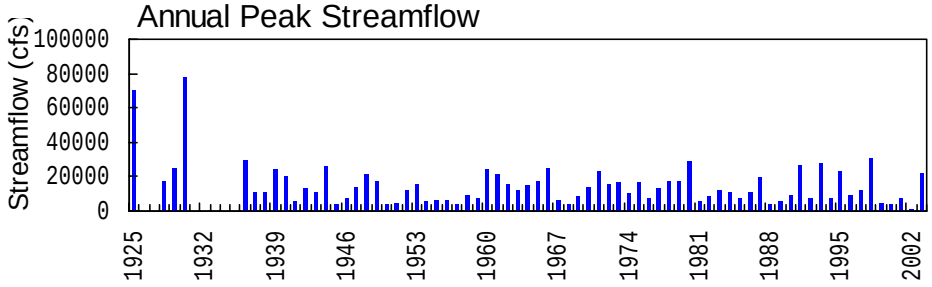
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



OGEECHEE RIVER BASIN
2003 Water Year

02202500 OGEECHEE RIVER NEAR EDEN, GA

LOCATION.—Lat 32°11'29", long 81°24'58" referenced to North American Datum (NAD) of 1927, Effingham-Bryan County line, Hydrologic Unit 03060202, on right bank 600 feet downstream from bridge on US 80, 2.0 miles west of Eden, 2.0 miles upstream from Seaboard Coast Line Railroad bridge, and 3.0 miles upstream from Black Creek.

DRAINAGE AREA.—2,650 square miles, approximately.

COOPERATION.—USGS National Streamflow Information Program (NSIP).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1937 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 17.64 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to October 1, 2001, datum of gage was 19.64 feet above NGVD. Prior to October 1, 1939, a non-recording gage was located at site 600.00 feet upstream at same datum.

REMARKS.—Records good, except those for the period of estimated daily discharge, which are fair. Discharge may be affected by possible storage upstream.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1840, 20 feet in October 1929, from data furnished by Central of Georgia Railway Co. Flood of January 1925, reached a stage of 19.5 feet, from information as explained above. Flood of April 1936, reached a stage of 15.2 feet, from information as explained above, discharge, 30,000 cfs.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 4,800 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/27	0215	21,800*	15.41*
04/17	1115	14,700	13.93
05/29	1915	8,580	12.35
06/21	1300	10,200	12.84
07/02	0045	7,000	11.79
07/07	1700	7,420	11.95
08/02	0300	16,900	14.41
08/11	0530	7,810	12.09
08/19	1715	6,480	11.55

02202500 OGEECHEE RIVER NEAR EDEN, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1937 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 17.64 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to October 1, 2001, datum of gage was 19.64 feet above NGVD. Prior to October 1, 1939, a non-recording gage was located at site 600.00 feet upstream at same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 15.41 feet, March 27; minimum gage-height recorded, 2.37 feet, October 15.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 12, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02202500 OGEECHEE RIVER NEAR EDEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321129 LONGITUDE 0812458 NAD27 DRAINAGE AREA 2650.00 CONTRIBUTING DRAINAGE AREA 2650* DATUM 19.64 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	497	410	1550	2460	1060	3290	11400	3020	6450	6110	15100	1710
2	446	408	1410	2520	1070	3640	9280	2830	6020	6600	16700	1560
3	406	405	1280	2610	1070	3960	7530	2670	6140	5230	14800	1420
4	382	400	1160	2720	1070	4310	6380	2650	6170	4600	11900	1360
5	365	402	1050	2810	1070	4560	5570	2630	5620	4740	9490	1370
6	352	431	960	2820	1080	4680	4940	2580	4830	5850	7950	1510
7	337	466	888	2770	1120	4950	4470	2520	4410	7210	6650	1680
8	326	524	822	2710	1190	5220	4320	2480	4110	6970	5470	1820
9	329	528	773	2710	1280	5760	4370	2500	3790	5910	5190	2410
10	341	503	759	2760	1380	6370	4440	2510	3530	4910	6630	3070
11	341	e448	762	2770	1470	6610	4470	2500	3440	4220	7620	3100
12	337	e412	772	2680	1560	6480	4750	2520	3340	3650	6740	2860
13	337	e430	825	2470	1630	6180	5360	2520	3120	3330	5520	2590
14	327	e519	893	2210	1670	5920	6670	2480	2970	3370	4880	2310
15	319	e803	952	2000	1690	5880	10500	2380	3710	3570	4850	2070
16	322	941	1000	1810	1720	6080	13800	2260	5030	3680	4780	1850
17	326	998	1040	1650	1760	6110	14500	2200	6680	3510	4920	1650
18	323	1040	1070	1520	1780	6630	13900	2100	7080	3200	5250	1460
19	321	1080	1110	1400	1840	e7720	12800	2050	7480	2890	6260	1290
20	330	1130	1160	1300	1920	e8990	11600	2030	8920	2860	6110	1120
21	e331	1200	1210	1230	2020	e10700	10300	2090	10100	2970	5310	978
22	e351	1280	1280	1190	2160	e12300	8810	2230	9640	3270	4650	870
23	e372	1370	1400	1150	2340	13500	7280	2410	8450	3330	4080	800
24	385	1500	1570	1110	2570	15900	6160	2550	7310	3290	3460	752
25	400	1590	1750	1090	2770	19600	5320	2910	6500	3200	3040	728
26	411	1640	1860	1080	2900	21400	4700	3620	5890	3430	2840	724
27	405	1680	1990	1070	3030	21600	4340	4640	5310	3900	2720	729
28	388	1700	2100	1060	3120	20600	4020	6420	4710	4360	2450	728
29	382	1700	2180	1060	---	18700	3640	8270	4270	5050	2220	695
30	395	1650	2250	1050	---	16500	3270	8320	4530	6470	2070	648
31	411	---	2340	1060	---	13900	---	7360	---	10100	1880	---
TOTAL	11295	27588	40166	58850	49340	298040	218890	100250	169550	141780	191530	45862
MEAN	364	920	1296	1898	1762	9614	7296	3234	5652	4574	6178	1529
MAX	497	1700	2340	2820	3120	21600	14500	8320	10100	10100	16700	3100
MIN	319	400	759	1050	1060	3290	3270	2030	2970	2860	1880	648
CFSM	0.14	0.35	0.49	0.72	0.66	3.63	2.75	1.22	2.13	1.73	2.33	0.58
IN.	0.16	0.39	0.56	0.83	0.69	4.18	3.07	1.41	2.38	1.99	2.69	0.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2003, BY WATER YEAR (WY)

MEAN	1171	1051	1911	3084	4301	5325	4188	1978	1375	1185	1319	1090
MAX	5985	6387	10010	10550	14690	13880	10820	5814	5652	4574	7579	6812
(WY)	1965	1948	1949	1993	1998	1998	1948	1964	2003	2003	1991	1964
MIN	152	177	321	428	662	874	819	294	129	131	91.2	138
(WY)	2002	2002	2002	2002	2002	2002	2002	2000	2000	2002	2002	1990

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1937 - 2003	
ANNUAL TOTAL	190278		1353141			
ANNUAL MEAN	521		3707		2316	
HIGHEST ANNUAL MEAN					5370	1948
LOWEST ANNUAL MEAN					359	2002
HIGHEST DAILY MEAN	2340	Dec 31	21600	Mar 27	30700	Mar 15 1998
LOWEST DAILY MEAN	71	Aug 23	319	Oct 15	71	Aug 23 2002
ANNUAL SEVEN-DAY MINIMUM	76	Aug 18	324	Oct 14	76	Aug 18 2002
MAXIMUM PEAK FLOW			21800	Mar 27	30900	Mar 15 1998
MAXIMUM PEAK STAGE			15.41	Mar 27	15.41	Mar 27 2003
INSTANTANEOUS LOW FLOW			317	Oct 15	96	Oct 6 1990
ANNUAL RUNOFF (CFSM)	0.20		1.40		0.87	
ANNUAL RUNOFF (INCHES)	2.67		19.00		11.87	
10 PERCENT EXCEEDS	1060		7660		5630	
50 PERCENT EXCEEDS	394		2520		1290	
90 PERCENT EXCEEDS	108		431		364	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02202500 OGEECHEE RIVER NEAR EDEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321129 LONGITUDE 0812458 NAD27 DRAINAGE AREA 2650.00 CONTRIBUTING DRAINAGE AREA 2650* DATUM 19.64 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.02	2.69	6.88	8.73	5.26	9.49	13.16	9.09	11.53	11.36	14.03	6.93
2	2.82	2.68	6.52	8.83	5.28	9.81	12.56	8.86	11.32	11.60	14.37	6.56
3	2.67	2.67	6.09	8.95	5.28	10.05	11.99	8.64	11.38	10.89	13.95	6.23
4	2.58	2.64	5.63	9.10	5.28	10.32	11.50	8.61	11.40	10.48	13.27	6.07
5	2.53	2.65	5.18	9.22	5.28	10.51	11.09	8.60	11.11	10.59	12.63	6.10
6	2.48	2.77	4.81	9.24	5.30	10.60	10.72	8.52	10.65	11.23	12.14	6.43
7	2.44	2.90	4.49	9.16	5.46	10.76	10.38	8.44	10.32	11.87	11.62	6.86
8	2.40	3.11	4.25	9.08	5.69	10.92	10.25	8.38	10.08	11.77	11.03	7.16
9	2.41	3.13	4.07	9.08	6.00	11.20	10.29	8.40	9.83	11.26	10.87	8.25
10	2.45	3.04	4.02	9.15	6.34	11.50	10.35	8.43	9.63	10.69	11.61	9.15
11	2.45	---	4.03	9.16	6.59	11.62	10.37	8.41	9.55	10.17	12.03	9.19
12	2.44	---	4.07	9.05	6.79	11.55	10.59	8.44	9.44	9.72	11.67	8.90
13	2.44	---	4.26	8.75	6.95	11.40	10.97	8.44	9.22	9.43	11.05	8.54
14	2.40	---	4.51	8.33	7.04	11.27	11.62	8.38	9.03	9.47	10.69	8.13
15	2.38	---	4.77	7.89	7.08	11.25	12.89	8.24	9.75	9.66	10.68	7.69
16	2.39	4.72	5.00	7.49	7.13	11.35	13.74	8.06	10.75	9.75	10.62	7.23
17	2.40	4.97	5.15	7.12	7.23	11.36	13.90	7.93	11.64	9.61	10.71	6.79
18	2.39	5.15	5.30	6.79	7.27	11.62	13.76	7.75	11.83	9.29	10.91	6.33
19	2.38	5.32	5.45	6.48	7.39	---	13.51	7.64	11.98	8.93	11.44	5.84
20	2.41	5.51	5.62	6.18	7.54	---	13.20	7.61	12.45	8.90	11.37	5.35
21	---	5.77	5.83	5.91	7.74	---	12.86	7.72	12.81	9.04	10.94	4.90
22	---	6.08	6.12	5.74	8.01	---	12.42	7.99	12.67	9.37	10.52	4.53
23	---	6.42	6.49	5.59	8.33	13.66	11.90	8.28	12.31	9.43	10.05	4.26
24	2.59	6.75	6.93	5.45	8.65	14.20	11.39	8.47	11.91	9.40	9.56	4.07
25	2.65	6.97	7.36	5.37	8.91	14.94	10.94	8.96	11.56	9.30	9.12	3.97
26	2.69	7.10	7.62	5.31	9.07	15.31	10.56	9.68	11.25	9.53	8.87	3.95
27	2.67	7.19	7.89	5.27	9.23	15.37	10.27	10.49	10.94	9.92	8.70	3.98
28	2.60	7.24	8.10	5.23	9.32	15.13	10.01	11.51	10.56	10.29	8.35	3.97
29	2.58	7.24	8.25	5.22	---	14.75	9.72	12.25	10.21	10.78	7.97	3.84
30	2.63	7.13	8.41	5.21	---	14.31	9.37	12.27	10.41	11.53	7.67	3.64
31	2.69	---	8.56	5.23	---	13.77	---	11.93	---	12.79	7.30	---
MEAN	---	---	5.86	7.33	6.98	---	11.54	8.92	10.92	10.26	10.83	6.16
MAX	---	---	8.56	9.24	9.32	---	13.90	12.27	12.81	12.79	14.37	9.19
MIN	---	---	4.02	5.21	5.26	---	9.37	7.61	9.03	8.90	7.30	3.64

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02202500 OGEECHEE RIVER NEAR EDEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 103
LATITUDE 321129 LONGITUDE 0812458 NAD27 DRAINAGE AREA 2650.00 CONTRIBUTING DRAINAGE AREA 2650* DATUM 19.64 NGVD29

APPROVED

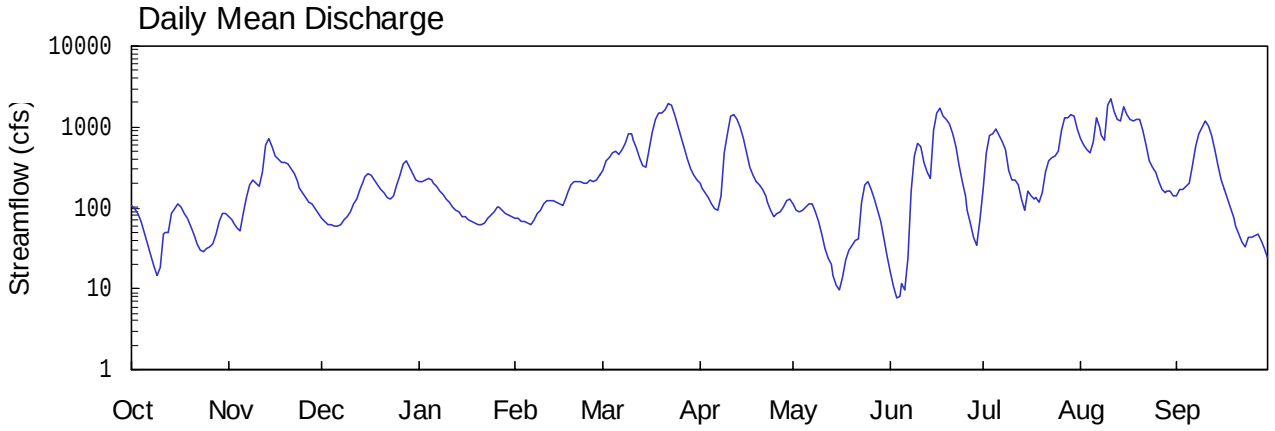
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

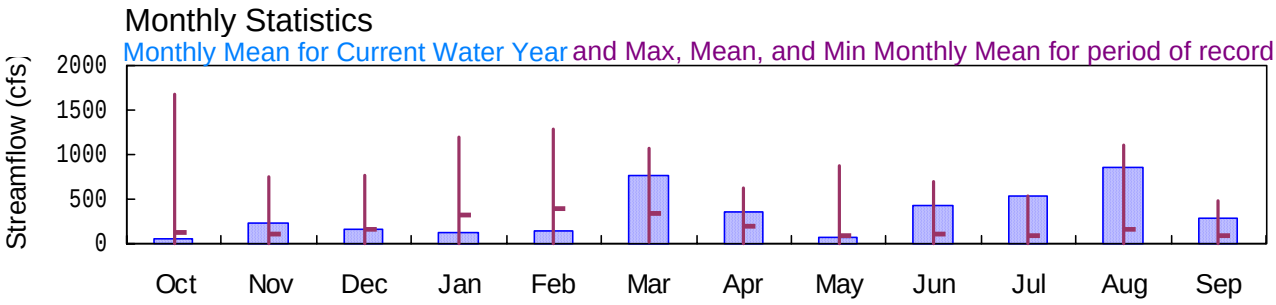
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.85	---	0.39	0.28	0.18
2	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.05	---	0.12	1.05	0.00
3	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.42	---	0.00	0.12	0.00
4	0.00	0.04	0.00	0.00	0.04	0.37	0.00	0.01	0.17	0.50	0.06	0.61
5	0.00	0.27	0.27	0.00	0.00	0.01	0.12	0.00	0.00	0.29	0.00	0.95
6	0.00	0.82	0.00	0.00	0.28	0.38	0.00	0.03	1.42	0.00	2.41	0.51
7	0.00	0.00	0.00	0.00	0.15	1.33	0.07	0.00	0.65	0.04	0.01	0.40
8	0.32	0.00	0.01	0.00	0.00	0.00	0.77	0.00	0.34	0.00	0.32	0.07
9	0.01	0.00	0.10	0.00	0.06	0.00	1.32	0.00	0.00	0.00	0.00	0.00
10	1.07	0.00	0.59	0.00	0.38	0.00	0.60	0.00	0.00	0.00	0.53	0.00
11	0.00	---	0.26	0.00	0.00	0.00	0.10	0.79	0.00	0.00	0.04	0.00
12	0.00	---	0.02	0.00	0.00	0.00	0.00	0.01	0.06	0.00	0.06	0.00
13	0.35	---	0.73	0.00	0.00	0.18	0.00	0.00	1.08	0.00	0.01	0.00
14	0.01	---	0.00	0.00	0.00	0.13	0.00	0.00	0.19	0.99	0.01	0.00
15	0.35	---	0.00	0.00	0.00	0.45	0.00	0.02	0.00	0.00	0.00	0.00
16	0.00	1.11	0.00	0.01	0.99	0.00	0.00	0.03	1.49	0.00	2.18	0.00
17	0.00	0.08	0.00	0.01	0.16	0.71	0.00	0.24	0.08	0.14	0.26	0.00
18	---	0.00	0.00	0.00	0.00	0.11	0.07	---	0.00	0.00	0.01	0.00
19	---	0.00	0.00	0.00	0.01	0.00	0.00	---	0.00	1.31	0.00	0.00
20	---	0.00	0.20	0.00	0.01	0.00	0.00	---	0.01	0.00	0.00	0.00
21	---	0.00	0.00	0.00	0.10	0.00	0.00	---	0.00	0.00	0.00	0.00
22	---	0.00	0.00	0.41	0.44	0.00	0.00	---	0.00	0.10	0.06	0.02
23	---	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.95	0.00	0.45
24	0.19	0.00	1.23	0.00	0.00	0.00	0.00	---	0.00	0.70	0.00	0.00
25	0.01	0.00	0.08	0.00	0.00	0.00	0.30	---	0.00	0.02	0.00	0.00
26	0.00	0.00	0.00	0.00	0.11	0.00	0.01	---	0.00	0.10	0.00	0.05
27	0.04	0.00	0.00	0.00	0.55	0.00	0.00	---	0.00	0.07	0.00	0.00
28	0.68	0.00	0.00	0.00	0.00	0.00	0.00	---	0.14	0.37	0.00	0.00
29	0.04	0.00	0.00	0.00	---	0.00	0.00	---	0.76	0.02	0.07	0.00
30	0.37	0.00	0.00	0.00	---	0.24	0.00	---	0.84	0.00	0.00	0.00
31	0.00	---	0.55	0.00	---	0.01	---	---	---	0.10	0.08	---
TOTAL	---	---	4.04	0.44	3.29	5.16	3.36	---	---	6.21	7.56	3.24

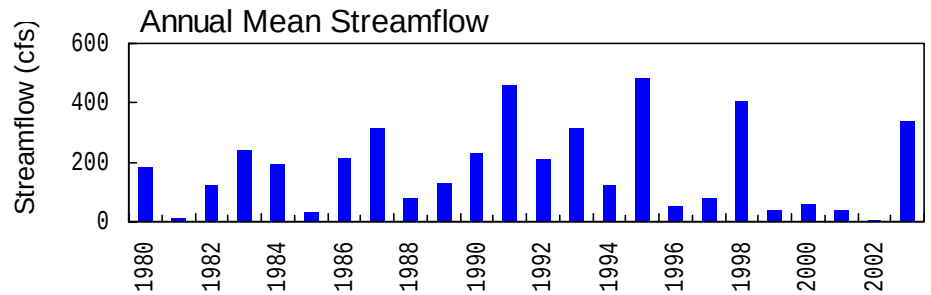
2003 Water Year

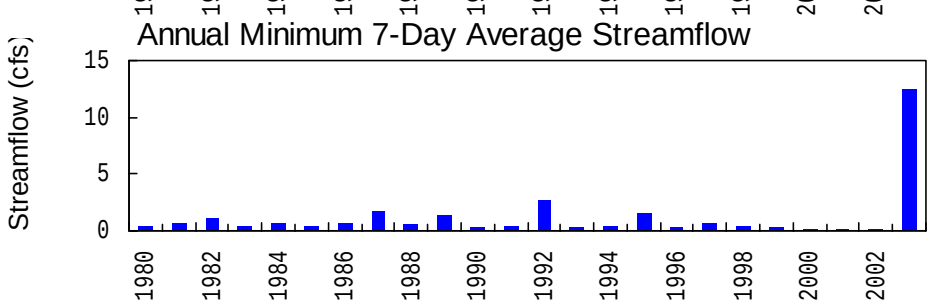
02202600 BLACK CREEK NEAR BLITCHTON, GA

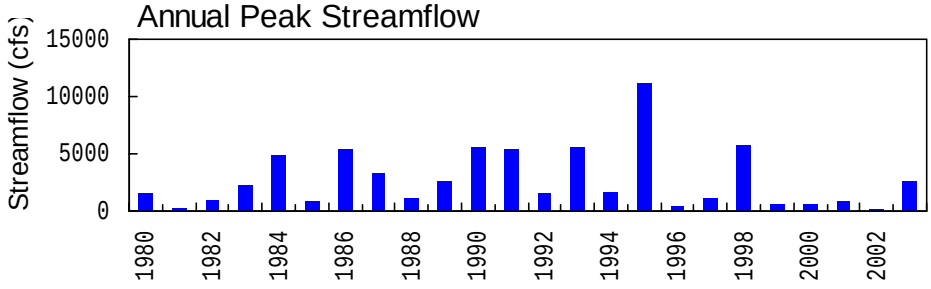
Latitude: 32°10'04" Longitude: 081°29'18" Hydrologic Unit Code: 03060202 Bryan County
Drainage Area: 232.0 mi² Datum: 30.0 feet











02202600 Black Creek near Blichton, GA
August 28, 1991

OGEECHEE RIVER BASIN
2003 Water Year

02202600 BLACK CREEK NEAR BLITCHTON, GA

LOCATION.—Lat 32°10'04", long 81°29'18" referenced to North American Datum (NAD) of 1927, Bryan County, Hydrologic Unit 03060202, on upstream side of bridge on US 280 (GA 30), 4.2 miles upstream from Mill Creek, 5.8 miles southwest of Blitchton, and 8.7 miles upstream from mouth.

DRAINAGE AREA.—232 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Occasional low-flow measurements, water years 1944, 1951, 1954, 1959, 1961-62, 1964-68, 1973. February 1980 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 30.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except those less than 2.0 cfs, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 900 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/22	1715	2,020	10.34
04/11	2315	1,470	9.63
06/17	0145	1,830	10.08
07/05	0830	983	8.79
07/29	2130	1,450	9.60
08/06	0745	1,370	9.48
08/10	2115	2,660*	10.97*
08/15	1015	1,830	10.13
09/10	0645	1,210	9.21

02202600 BLACK CREEK NEAR BLITCHTON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—Occasional low-flow measurements, water years 1944, 1951, 1954, 1959, 1961-62, 1964-68, 1973. February 1980 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 30.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded 10.97 feet, August 10; minimum gage-height recorded 2.76 feet, June 4.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02202600 BLACK CREEK NEAR BLITCHTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 029
LATITUDE 321004 LONGITUDE 0812918 NAD27 DRAINAGE AREA 232.00* CONTRIBUTING DRAINAGE AREA DATUM 30.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	79	74	211	74	290	198	112	16	171	726	138
2	96	72	67	209	73	386	177	93	10	475	593	168
3	85	64	63	224	69	419	156	90	7.7	795	519	166
4	67	56	61	229	67	483	135	94	8.2	808	482	182
5	50	51	59	224	64	498	113	101	11	951	667	204
6	36	84	60	206	62	452	98	114	9.5	805	1290	336
7	26	135	63	182	73	523	93	110	23	644	971	572
8	19	197	72	162	86	627	142	88	160	530	784	811
9	15	221	79	145	93	815	477	69	430	290	680	1000
10	18	202	90	130	111	816	841	48	623	216	1890	1190
11	48	182	112	115	125	693	1350	31	569	226	2230	1040
12	50	272	129	104	124	546	1430	24	362	192	1530	782
13	51	610	169	95	124	418	1260	20	275	131	1240	527
14	85	705	213	88	118	333	988	15	234	94	1180	325
15	98	563	242	79	111	312	728	11	889	159	1760	224
16	112	429	270	77	105	517	489	9.8	1500	142	1440	169
17	101	406	254	72	132	868	323	14	1730	127	1270	130
18	87	362	225	68	157	1230	253	23	1380	134	1160	97
19	74	366	192	65	194	1500	215	30	1220	118	1220	75
20	60	349	167	62	212	1500	194	34	1080	153	1240	59
21	47	310	152	61	213	1650	168	40	831	282	889	46
22	37	260	137	65	208	1970	142	42	569	375	606	37
23	30	216	131	75	205	1860	117	115	338	426	389	33
24	28	179	140	82	199	1440	95	191	215	432	323	43
25	31	152	191	91	223	1050	80	211	142	500	280	43
26	33	132	252	101	215	759	85	168	95	914	215	45
27	37	120	345	101	225	559	88	127	65	1310	168	47
28	47	111	384	94	255	401	101	95	44	1320	157	40
29	68	97	317	87	---	299	123	67	34	1400	161	31
30	84	84	262	82	---	255	126	41	71	1340	159	24
31	87	---	226	77	---	226	---	25	---	960	139	---
TOTAL	1812	7066	5198	3663	3917	23695	10785	2252.8	12941.4	16420	26358	8584
MEAN	58.5	236	168	118	140	764	360	72.7	431	530	850	286
MAX	112	705	384	229	255	1970	1430	211	1730	1400	2230	1190
MIN	15	51	59	61	62	226	80	9.8	7.7	94	139	24
CFSM	0.25	1.02	0.72	0.51	0.60	3.29	1.55	0.31	1.86	2.28	3.66	1.23
IN.	0.29	1.13	0.83	0.59	0.63	3.80	1.73	0.36	2.08	2.63	4.23	1.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2003, BY WATER YEAR (WY)

MEAN	117	98.7	161	330	389	347	199	90.2	115	92.9	168	90.8
MAX	1682	754	762	1203	1286	1065	622	867	696	530	1105	486
(WY)	1995	1986	1995	1987	1998	1998	1993	1991	1991	2003	1991	1989
MIN	0.51	0.45	0.47	1.06	4.64	24.9	3.11	0.28	0.24	0.36	0.63	0.61
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2000	1990	1998	1990

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1980 - 2003	
ANNUAL TOTAL	16839.75		122692.2			
ANNUAL MEAN	46.1		336		182	
HIGHEST ANNUAL MEAN					480	1995
LOWEST ANNUAL MEAN					7.69	2002
HIGHEST DAILY MEAN	705	Nov 14	2230	Aug 11	10400	Oct 14 1994
LOWEST DAILY MEAN	0.14	Jun 16	7.7	Jun 3	0.09	Jul 6 2000
ANNUAL SEVEN-DAY MINIMUM	0.15	Jun 13	12	Jun 1	0.09	Jul 17 2000
MAXIMUM PEAK FLOW			2660	Aug 10	11100	Oct 14 1994
MAXIMUM PEAK STAGE			10.97	Aug 10	15.28	Oct 14 1994
INSTANTANEOUS LOW FLOW			6.6	Jun 4	0.00	Aug 19 1954
ANNUAL RUNOFF (CFSM)	0.20		1.45		0.78	
ANNUAL RUNOFF (INCHES)	2.70		19.67		10.64	
10 PERCENT EXCEEDS	145		978		497	
50 PERCENT EXCEEDS	4.4		159		35	
90 PERCENT EXCEEDS	0.25		41		0.91	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02202600 BLACK CREEK NEAR BLITCHTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 029
LATITUDE 321004 LONGITUDE 0812918 NAD27 DRAINAGE AREA 232.00* CONTRIBUTING DRAINAGE AREA DATUM 30.00 NGVD29

APPROVED

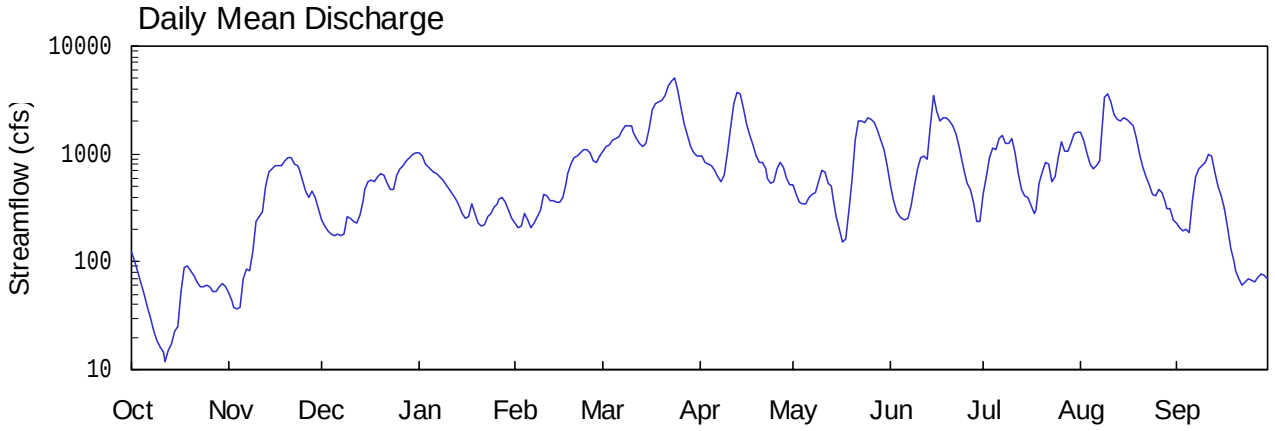
Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

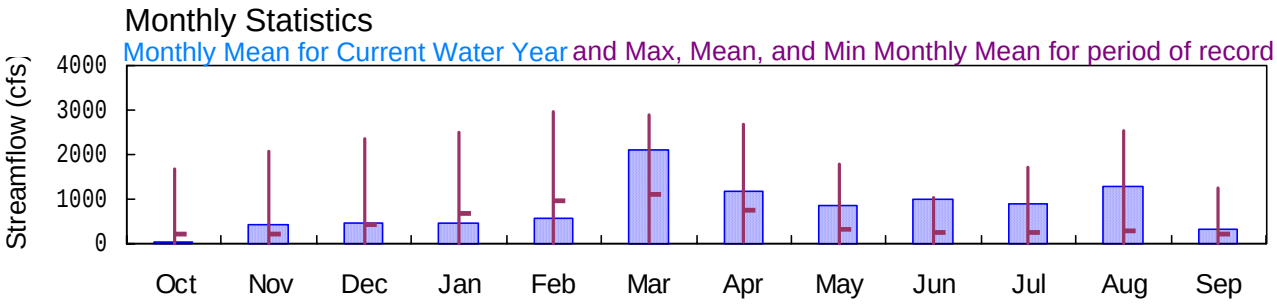
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.71	4.29	4.20	6.10	4.21	6.79	5.95	4.80	3.06	5.59	8.24	5.19
2	4.57	4.18	4.09	6.08	4.20	7.27	5.70	4.52	2.90	7.48	7.91	5.58
3	4.40	4.04	4.02	6.24	4.13	7.39	5.44	4.48	2.80	8.40	7.71	5.56
4	4.09	3.90	3.98	6.29	4.08	7.60	5.14	4.54	2.82	8.43	7.60	5.76
5	3.79	3.81	3.96	6.24	4.04	7.65	4.82	4.64	2.93	8.73	8.07	6.00
6	3.53	4.36	3.96	6.04	4.00	7.51	4.61	4.84	2.87	8.42	9.34	7.04
7	3.31	5.14	4.02	5.76	4.18	7.71	4.52	4.78	3.21	8.04	8.76	7.84
8	3.15	5.93	4.18	5.51	4.41	8.00	5.19	4.44	5.34	7.72	8.38	8.44
9	3.02	6.20	4.30	5.28	4.52	8.45	7.55	4.13	7.27	6.76	8.13	8.82
10	3.10	5.99	4.47	5.07	4.80	8.45	8.49	3.75	7.76	6.16	10.01	9.17
11	3.75	5.77	4.81	4.85	5.00	8.16	9.44	3.42	7.59	6.26	10.55	8.89
12	3.80	6.61	5.06	4.69	4.99	7.78	9.58	3.28	6.99	5.87	9.72	8.37
13	3.80	7.94	5.59	4.55	4.98	7.38	9.29	3.16	6.59	5.08	9.25	7.72
14	4.38	8.19	6.12	4.44	4.91	7.05	8.80	3.02	6.30	4.54	9.14	6.98
15	4.60	7.83	6.42	4.30	4.80	6.92	8.24	2.92	8.34	5.45	10.04	6.24
16	4.81	7.42	6.65	4.26	4.70	7.68	7.61	2.88	9.58	5.23	9.58	5.60
17	4.64	7.34	6.53	4.19	5.10	8.55	6.98	3.00	9.95	5.03	9.30	5.08
18	4.42	7.17	6.25	4.11	5.45	9.23	6.52	3.24	9.41	5.13	9.11	4.58
19	4.21	7.19	5.88	4.05	5.90	9.67	6.14	3.39	9.14	4.90	9.22	4.19
20	3.96	7.12	5.58	4.00	6.11	9.68	5.91	3.48	8.89	5.37	9.25	3.90
21	3.73	6.92	5.37	3.98	6.12	9.90	5.59	3.60	8.39	6.72	8.60	3.65
22	3.54	6.57	5.17	4.05	6.07	10.28	5.24	3.63	7.74	7.22	7.94	3.46
23	3.40	6.15	5.09	4.22	6.03	10.16	4.88	4.84	6.97	7.41	7.27	3.37
24	3.37	5.72	5.21	4.35	5.96	9.58	4.55	5.87	6.12	7.44	7.01	3.58
25	3.43	5.38	5.87	4.48	6.23	8.91	4.30	6.10	5.24	7.65	6.72	3.58
26	3.46	5.09	6.49	4.64	6.14	8.32	4.39	5.59	4.55	8.63	6.14	3.63
27	3.53	4.93	7.10	4.65	6.25	7.82	4.45	5.02	4.05	9.38	5.59	3.67
28	3.74	4.80	7.26	4.54	6.54	7.32	4.64	4.55	3.68	9.39	5.44	3.51
29	4.11	4.59	6.96	4.43	---	6.85	4.97	4.09	3.49	9.53	5.50	3.32
30	4.37	4.38	6.59	4.34	---	6.54	5.02	3.63	4.13	9.42	5.47	3.16
31	4.42	---	6.26	4.26	---	6.26	---	3.29	---	8.74	5.21	---
MEAN	3.91	5.83	5.40	4.84	5.14	8.09	6.13	4.09	5.94	7.10	8.07	5.53
MAX	4.81	8.19	7.26	6.29	6.54	10.28	9.58	6.10	9.95	9.53	10.55	9.17
MIN	3.02	3.81	3.96	3.98	4.00	6.26	4.30	2.88	2.80	4.54	5.21	3.16

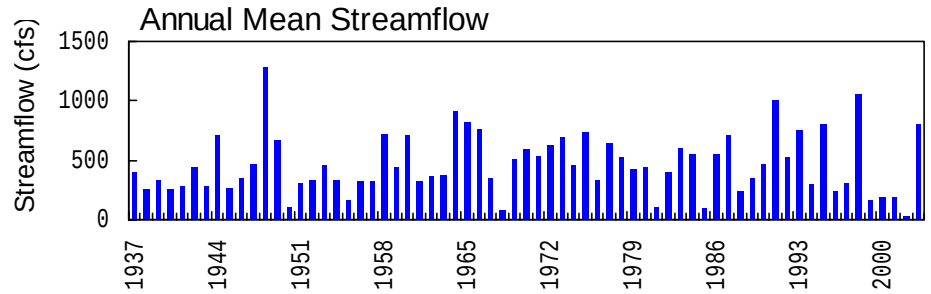
2003 Water Year

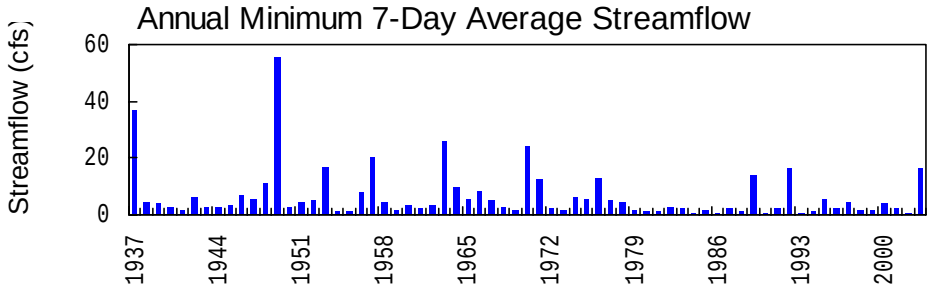
02203000 CANOOCHEE RIVER NEAR CLAXTON, GA

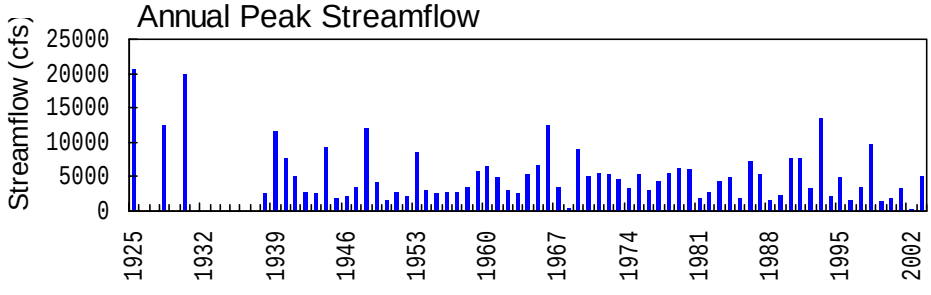
Latitude: 32°11'05" Longitude: 081°53'20" Hydrologic Unit Code: 03060203 Evans County
Drainage Area: 555.0 mi² Datum: 80.5 feet











OGEECHEE RIVER BASIN
2003 Water Year

02203000 CANOOCHEE RIVER NEAR CLAXTON, GA

LOCATION.—Lat 32°11'05", long 81°53'20" referenced to North American Datum (NAD) of 1927, Evans County, Hydrologic Unit 03060203, on right bank 400 feet upstream from bridge on GA 73, 1.9 miles northeast of Claxton, and 10.0 miles upstream from Lotts Creek.

DRAINAGE AREA.—555 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1937 to current year.

REVISED RECORDS.—WSP 1112: 1939-41, 1944.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 80.5 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). Prior to October 20, 1949, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,800 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/09	2215	1,870	9.95
03/24	0615	5,190*	13.13*
04/13	2000	3,950	12.29
05/25	1300	2,230	10.55
06/15	0545	3,850	12.21
06/18	1800	2,290	10.62
08/09	2015	3,860	12.22
08/15	1815	2,290	10.62

02203000 CANOOCHEE RIVER NEAR CLAXTON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1937 to current year.

REVISED RECORDS.—WSP 1112: 1939-41, 1944.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 80.5 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). Prior to October 20, 1949, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.13 feet, March 24; minimum gage-height recorded, 1.34 feet, October 13.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203000 CANOOCHEE RIVER NEAR CLAXTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 109
LATITUDE 321105 LONGITUDE 0815320 NAD27 DRAINAGE AREA 555.00 CONTRIBUTING DRAINAGE AREA 555.00* DATUM 80.50 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	126	51	249	1020	227	1070	962	515	511	427	1570	229
2	102	43	210	948	209	1170	942	422	375	609	1330	210
3	81	38	191	811	216	1230	830	356	295	922	1010	196
4	63	37	179	754	281	1320	796	341	267	1130	804	199
5	49	38	175	703	244	1390	781	347	249	1110	739	184
6	38	70	181	683	205	1430	715	395	245	1400	767	363
7	29	86	177	663	230	1630	613	428	255	1490	874	606
8	23	84	182	619	262	1800	547	433	329	1240	1380	739
9	18	126	263	572	304	1840	636	553	497	1270	3400	771
10	16	233	256	514	416	1830	1040	704	723	1370	3550	843
11	15	262	235	460	410	1610	1760	683	910	1020	3000	1000
12	12	287	231	417	366	1370	2980	542	964	650	2330	947
13	15	506	271	378	366	1240	3730	504	900	474	2110	673
14	17	679	364	327	357	1180	3630	389	1810	414	2040	502
15	22	737	468	279	362	1250	2690	266	3530	393	2130	405
16	25	780	554	254	390	1710	1880	200	2440	333	2100	313
17	54	783	569	265	534	2610	1490	154	2030	277	1970	207
18	88	773	550	344	665	2940	1210	164	2190	304	1810	134
19	91	851	607	283	819	3000	958	297	2170	530	1390	101
20	82	936	656	230	922	3190	830	590	2010	690	986	82
21	75	923	642	212	954	3490	825	1330	1820	829	750	69
22	66	815	540	218	1010	4310	735	1990	1540	794	621	61
23	58	792	460	266	1090	4670	603	2020	1190	562	513	64
24	59	727	475	279	1100	5010	542	1980	832	612	416	69
25	62	577	635	319	1040	3810	563	2180	612	938	405	67
26	59	451	717	342	864	2650	721	2070	531	1280	467	65
27	52	392	782	387	823	1910	823	1940	474	1050	430	72
28	52	450	862	394	961	1490	745	1670	361	1060	358	78
29	58	389	923	359	---	1180	597	1360	238	1250	307	75
30	64	312	978	297	---	1030	520	1080	241	1550	312	68
31	59	---	1020	251	---	951	---	768	---	1580	247	---
TOTAL	1630	13228	14602	13848	15627	65311	35694	26671	30539	27558	40116	9392
MEAN	52.6	441	471	447	558	2107	1190	860	1018	889	1294	313
MAX	126	936	1020	1020	1100	5010	3730	2180	3530	1580	3550	1000
MIN	12	37	175	212	205	951	520	154	238	277	247	61
CFSM	0.09	0.79	0.85	0.80	1.01	3.80	2.14	1.55	1.83	1.60	2.33	0.56
IN.	0.11	0.89	0.98	0.93	1.05	4.38	2.39	1.79	2.05	1.85	2.69	0.63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2003, BY WATER YEAR (WY)

MEAN	213	201	414	690	956	1118	735	333	234	245	274	215
MAX	1674	2074	2359	2498	2975	2900	2667	1804	1018	1730	2536	1244
(WY)	1965	1948	1948	1987	1998	1948	1948	1966	2003	1941	1991	1964
MIN	1.22	1.51	1.19	2.05	9.42	52.6	42.1	2.26	1.61	1.56	1.35	1.20
(WY)	1955	2002	2002	2002	2002	1955	2002	2002	2002	1986	2002	1993

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1937 - 2003	
ANNUAL TOTAL	37176.60		294216			
ANNUAL MEAN	102		806		466	
HIGHEST ANNUAL MEAN					1283	1948
LOWEST ANNUAL MEAN					21.5	2002
HIGHEST DAILY MEAN	1020	Dec 31	5010	Mar 24	12400	Jan 14 1993
LOWEST DAILY MEAN	0.18	Jun 17	12	Oct 12	0.18	Jun 17 2002
ANNUAL SEVEN-DAY MINIMUM	0.36	Jun 15	16	Oct 9	0.36	Jun 15 2002
MAXIMUM PEAK FLOW			5190	Mar 24	13500	Jan 14 1993
MAXIMUM PEAK STAGE			13.13	Mar 24	16.60	Jan 14 1993
INSTANTANEOUS LOW FLOW			10	Oct 13	0.15	Jun 17 2002
ANNUAL RUNOFF (CFSM)	0.18		1.45		0.84	
ANNUAL RUNOFF (INCHES)	2.49		19.72		11.40	
10 PERCENT EXCEEDS	301		1890		1310	
50 PERCENT EXCEEDS	17		562		153	
90 PERCENT EXCEEDS	0.95		70		6.0	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203000 CANOOCHEE RIVER NEAR CLAXTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 109
LATITUDE 321105 LONGITUDE 0815320 NAD27 DRAINAGE AREA 555.00 CONTRIBUTING DRAINAGE AREA 555.00* DATUM 80.50 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.15	1.74	2.88	7.42	2.73	7.67	7.16	4.63	4.60	4.06	9.26	2.75
2	2.03	1.69	2.62	7.09	2.61	8.11	7.06	4.03	3.72	5.22	8.63	2.61
3	1.92	1.65	2.49	6.41	2.66	8.35	6.50	3.60	3.20	6.96	7.40	2.52
4	1.82	1.64	2.41	6.10	3.10	8.61	6.33	3.50	3.00	7.92	6.36	2.54
5	1.73	1.65	2.39	5.81	2.85	8.81	6.25	3.54	2.88	7.86	6.02	2.45
6	1.65	1.86	2.43	5.69	2.58	8.91	5.88	3.85	2.85	8.81	6.17	3.64
7	1.58	1.94	2.40	5.57	2.75	9.40	5.25	4.07	2.92	9.05	6.72	5.21
8	1.51	1.93	2.43	5.29	2.97	9.79	4.83	4.10	3.42	8.36	8.54	6.02
9	1.46	2.15	2.98	4.99	3.26	9.88	5.39	4.87	4.51	8.47	11.81	6.19
10	1.44	2.77	2.93	4.62	3.99	9.86	7.49	5.82	5.92	8.74	11.97	6.57
11	1.41	2.97	2.79	4.28	3.95	9.35	9.60	5.69	6.90	7.44	11.45	7.35
12	1.37	3.14	2.76	3.99	3.67	8.75	11.42	4.80	7.17	5.47	10.66	7.08
13	1.41	4.57	3.03	3.75	3.66	8.38	12.11	4.56	6.85	4.37	10.38	5.62
14	1.45	5.67	3.65	3.41	3.61	8.18	12.04	3.82	9.22	3.98	10.25	4.55
15	1.51	6.00	4.33	3.09	3.64	8.38	11.09	3.00	11.95	3.84	10.38	3.92
16	1.53	6.25	4.88	2.92	3.82	9.59	9.95	2.55	10.80	3.45	10.37	3.32
17	1.75	6.26	4.97	2.99	4.75	11.00	9.07	2.27	10.24	3.07	10.14	2.60
18	1.96	6.20	4.85	3.52	5.58	11.39	8.25	2.34	10.49	3.25	9.82	2.15
19	1.97	6.61	5.22	3.12	6.44	11.46	7.13	3.21	10.46	4.72	8.79	1.96
20	1.93	7.03	5.53	2.75	6.96	11.65	6.50	5.09	10.22	5.73	7.27	1.85
21	1.88	6.97	5.44	2.63	7.12	11.92	6.48	8.41	9.83	6.50	6.07	1.77
22	1.83	6.43	4.79	2.67	7.40	12.55	5.99	10.18	9.19	6.30	5.30	1.72
23	1.79	6.31	4.28	3.00	7.74	12.80	5.19	10.25	8.14	4.93	4.62	1.73
24	1.79	5.95	4.37	3.09	7.82	13.02	4.80	10.16	6.50	5.24	3.99	1.77
25	1.81	5.02	5.39	3.36	7.52	12.16	4.94	10.47	5.24	7.01	3.92	1.76
26	1.79	4.22	5.89	3.51	6.67	11.05	5.91	10.33	4.73	8.50	4.32	1.74
27	1.75	3.83	6.25	3.80	6.47	10.01	6.47	10.08	4.36	7.58	4.08	1.78
28	1.75	4.21	6.66	3.84	7.16	9.05	6.05	9.51	3.63	7.60	3.61	1.83
29	1.79	3.82	6.97	3.62	---	8.16	5.15	8.72	2.81	8.38	3.27	1.80
30	1.82	3.31	7.24	3.21	---	7.49	4.66	7.72	2.83	9.22	3.31	1.76
31	1.79	---	7.43	2.90	---	7.11	---	6.15	---	9.30	2.87	---
MEAN	1.72	4.13	4.28	4.14	4.77	9.77	7.16	5.85	6.29	6.49	7.35	3.29
MAX	2.15	7.03	7.43	7.42	7.82	13.02	12.11	10.47	11.95	9.30	11.97	7.35
MIN	1.37	1.64	2.39	2.63	2.58	7.11	4.66	2.27	2.81	3.07	2.87	1.72

OGEECHEE RIVER BASIN
2003 Water Year

022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN, GA

LOCATION.—Lat 31°27'12", long 81°21'47" referenced to North American Datum (NAD) of 1927, McIntosh County, Hydrologic unit, at the Georgia Department of Natural Resources ferry landing in Meridian, Georgia, near the Sapelo Island Visitors Center near the end of the fishing pier.

DRAINAGE AREA.—Indeterminate.

COOPERATION.—Sapelo Island National Estuarine Research Reserve; Georgia Wildlife Resources Division; University of Georgia Marine Institute.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 2000 to current year.

GAGE.— Satellite telemetry with a continuous water-quality sonde and vented pressure sensor. Datum of gage is arbitrarily set.

REMARKS.—Records poor.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage-height recorded, 17.35 feet, December 4, 2002; minimum gage-height recorded, 3.07 feet, March 7, 2001.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 17.35 feet, December 4; minimum gage-height recorded 3.19 feet, January 21.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.78	7.26	10.52	13.63	5.52	10.07	14.29	5.01	10.26	14.27	3.82	9.06
2	13.80	6.57	10.29	14.11	5.50	10.27	15.51	5.89	11.01	13.79	3.77	8.91
3	---	---	---	14.45	5.09	10.14	15.80	5.65	11.15	12.95	3.68	8.36
4	14.30	5.00	9.96	14.49	4.45	9.88	17.35	6.45	12.16	13.72	4.17	9.14
5	14.37	4.29	9.81	---	---	---	16.50	6.59	11.50	13.81	5.09	9.52
6	---	---	---	13.19	3.41	8.24	16.08	6.62	11.48	12.97	4.37	8.76
7	14.47	4.13	9.76	14.29	4.43	9.44	16.10	7.34	11.58	12.76	5.23	9.06
8	14.70	4.39	9.99	14.39	5.87	10.04	15.35	7.46	11.33	11.64	4.69	7.98
9	---	---	---	14.02	6.27	9.98	15.56	8.52	11.91	10.96	4.87	7.86
10	---	---	---	12.87	5.92	9.35	15.62	8.81	12.27	10.87	5.12	7.86
11	---	---	---	12.18	5.73	8.78	12.67	7.43	9.94	11.31	6.43	8.73
12	13.83	6.94	10.11	11.73	5.96	8.68	12.33	7.46	9.81	11.76	7.05	9.32
13	13.42	7.22	10.09	12.65	6.17	9.08	---	---	---	12.31	5.88	9.18
14	14.15	7.70	11.02	---	---	---	12.91	6.14	9.34	12.02	5.42	8.91
15	14.46	8.15	11.61	13.08	6.54	10.22	13.47	6.64	10.26	12.11	5.27	8.89
16	13.75	7.30	10.81	13.32	6.22	10.03	13.67	6.40	10.15	---	---	---
17	---	---	---	13.06	4.72	8.92	14.29	6.38	10.65	12.21	4.54	8.48
18	---	---	---	12.32	4.18	8.88	14.96	7.02	11.23	13.68	5.04	9.47
19	14.27	7.41	11.00	13.04	5.19	9.42	14.82	6.70	10.64	13.17	4.38	8.81
20	13.98	6.77	10.47	13.64	5.48	9.80	13.77	4.53	9.18	12.81	3.65	8.38
21	13.76	6.25	10.05	13.81	5.94	9.83	13.68	5.15	9.27	12.91	3.19	8.11
22	13.39	5.86	10.0	13.03	5.27	9.00	13.55	4.90	9.12	13.28	3.74	8.92
23	13.90	6.70	10.40	12.68	5.11	8.87	13.60	5.13	9.28	13.22	5.14	8.83
24	13.92	7.15	10.58	12.56	5.25	8.80	13.88	5.06	9.47	13.28	5.56	9.35
25	13.90	7.19	10.36	12.59	5.84	8.92	12.48	4.86	8.08	13.29	6.01	9.45
26	13.31	6.98	9.95	---	---	---	13.68	5.88	9.35	13.43	5.67	9.38
27	12.95	6.96	9.69	---	---	---	13.63	6.26	9.84	12.89	5.70	9.49
28	12.76	6.78	9.52	14.02	7.09	10.43	13.31	5.75	9.72	13.91	5.28	9.95
29	12.45	6.16	9.03	14.20	6.40	10.51	13.46	5.00	9.49	13.89	4.92	9.60
30	12.50	5.50	8.96	13.20	4.84	9.38	14.22	5.15	9.96	13.94	4.75	9.43
31	13.24	5.97	9.76	---	---	---	14.43	4.50	9.81	13.91	4.52	9.43
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	13.45	4.36	9.03	13.72	5.25	9.81	12.87	4.80	9.03	13.77	5.92	9.85
2	13.38	4.35	8.99	13.79	4.84	9.49	12.58	4.12	8.34	13.64	5.96	9.75
3	13.17	4.26	8.77	13.50	4.76	9.44	12.58	4.33	8.28	13.37	5.09	9.39
4	12.48	3.75	8.25	13.49	5.40	9.76	---	---	---	13.95	6.26	9.86
5	---	---	---	12.87	4.92	9.31	12.60	5.30	8.88	13.63	6.98	10.23
6	12.54	5.88	9.30	12.58	4.82	8.73	13.10	5.94	9.30	13.41	6.44	9.50
7	12.34	5.50	8.85	12.62	5.67	9.26	13.07	6.60	9.62	12.87	6.47	9.14
8	11.64	5.95	8.92	12.65	6.55	9.53	---	---	---	---	---	---
9	12.06	6.84	9.33	12.66	6.76	9.48	13.14	7.79	10.18	12.40	5.94	8.86
10	12.26	6.40	8.81	12.37	7.13	9.60	13.23	6.54	9.69	12.36	5.49	8.84
11	12.33	6.75	9.24	12.50	7.16	9.62	12.94	6.51	9.62	12.37	4.83	8.84
12	12.15	6.16	9.01	12.38	6.88	9.27	13.25	6.27	10.0	12.73	4.17	8.77
13	12.55	5.47	9.03	12.29	6.56	9.31	13.52	5.41	9.90	13.80	4.18	9.18
14	12.75	5.05	9.19	12.77	6.34	9.93	13.93	4.97	9.93	14.48	4.07	9.54
15	13.21	4.56	9.03	14.08	5.93	10.36	14.57	4.31	9.95	14.86	4.13	9.64
16	13.87	3.84	9.34	13.99	5.47	9.97	15.34	4.17	10.05	---	---	---
17	14.39	4.19	9.53	14.48	4.89	10.10	15.75	4.26	10.17	14.89	3.68	9.20
18	14.02	4.32	9.44	14.71	4.45	10.07	15.55	4.68	10.20	14.67	4.50	9.49
19	14.48	4.50	9.68	15.09	4.73	10.23	15.21	4.86	10.12	15.04	5.08	10.06
20	14.07	4.65	9.58	14.51	4.66	9.99	14.95	5.88	10.17	15.08	6.36	10.46
21	14.06	4.82	9.61	14.36	4.43	9.49	14.86	6.04	10.15	14.45	6.03	9.84
22	13.72	4.78	9.13	14.30	4.92	9.40	14.36	6.12	9.76	13.41	6.19	9.59
23	12.23	3.83	7.84	13.87	5.45	9.44	13.37	6.94	10.14	12.49	5.93	9.34
24	12.96	5.51	8.97	13.55	5.94	9.57	13.47	6.78	10.00	12.87	6.29	9.77
25	12.96	5.53	9.03	13.46	6.45	9.72	13.27	6.40	9.91	12.88	6.27	9.75
26	13.07	6.41	9.89	13.17	6.23	9.58	---	---	---	12.94	5.65	9.44
27	---	---	---	13.20	6.43	10.12	13.43	6.04	10.01	12.87	5.61	9.40
28	---	---	---	13.75	6.17	10.37	13.71	6.19	10.27	13.35	5.93	9.65
29	---	---	---	13.51	6.05	9.88	13.63	5.83	9.95	12.97	5.53	9.30
30	---	---	---	13.07	4.76	9.20	13.74	5.70	9.76	---	---	---
31	---	---	---	---	---	---	---	---	---	12.65	5.10	8.96
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.24	4.63	8.84	---	---	---	13.65	4.82	9.07	13.42	4.64	9.00
2	13.61	5.58	9.35	12.79	4.67	8.76	13.43	5.10	9.28	13.12	4.94	8.81
3	13.18	6.11	9.44	12.80	4.55	8.49	13.43	5.17	9.20	12.82	5.08	8.68
4	12.74	5.21	9.06	12.75	4.56	8.50	12.89	5.01	8.79	12.75	5.15	8.66
5	12.75	5.30	8.76	12.77	4.91	8.79	12.91	4.81	8.73	13.20	4.94	8.99
6	12.75	5.71	9.15	12.58	5.12	8.76	13.06	4.47	8.59	14.05	6.22	10.21
7	13.14	5.72	9.14	12.53	4.92	8.70	13.22	4.67	8.78	14.24	6.50	10.49
8	12.59	5.35	8.81	12.79	4.26	8.68	13.60	4.58	9.11	14.57	6.21	10.57
9	12.82	4.39	8.96	13.39	4.28	8.90	13.68	4.17	9.04	14.83	6.33	10.77
10	---	---	---	13.79	3.99	8.96	13.54	3.73	8.81	14.74	6.23	10.79
11	14.25	4.38	9.51	---	---	---	13.70	4.09	8.94	14.68	6.69	11.01
12	14.37	4.12	9.39	13.84	3.50	8.73	13.98	4.57	9.22	14.47	6.64	10.83
13	14.25	3.77	9.16	13.98	3.89	8.92	13.97	4.89	9.48	13.84	6.36	10.26
14	14.58	3.93	9.23	13.79	4.05	8.94	13.53	5.47	9.68	13.59	6.17	9.95
15	14.39	4.08	9.07	13.79	4.23	8.99	13.15	5.14	9.34	13.06	6.39	9.86
16	14.20	4.23	9.06	13.18	4.76	8.94	12.75	5.23	9.03	13.15	6.94	10.17
17	13.96	4.90	9.30	12.77	4.60	8.74	12.31	5.32	8.66	13.42	8.50	10.72
18	13.90	5.27	9.47	12.69	4.78	8.77	11.99	5.27	8.48	13.10	7.84	10.30
19	13.38	5.17	9.08	12.30	4.91	8.58	12.44	6.21	8.91	12.30	6.92	9.36
20	12.69	5.11	8.80	12.23	5.35	8.77	12.35	6.45	9.21	12.80	6.91	9.60
21	12.98	5.63	9.57	12.38	5.88	8.93	12.32	6.49	9.20	13.48	7.14	10.13
22	13.00	6.54	9.81	12.09	5.00	8.57	12.24	6.27	9.08	13.60	6.65	10.36
23	12.88	6.22	9.70	11.76	5.46	8.52	12.11	5.90	8.90	13.77	6.00	10.03
24	12.88	6.12	9.51	---	---	---	12.68	5.51	8.91	14.69	6.21	10.65
25	12.96	5.70	9.39	13.10	6.22	9.52	13.48	5.65	9.48	15.01	5.87	10.65
26	13.14	5.84	9.36	13.57	6.06	9.68	13.75	4.99	9.36	14.95	5.65	10.62
27	13.35	5.73	9.32	13.52	5.53	9.53	13.93	4.27	9.21	14.79	5.54	10.62
28	13.34	5.82	9.36	13.38	4.62	9.10	13.81	3.71	8.97	14.65	5.28	10.20
29	---	---	---	13.56	4.53	8.93	13.81	4.13	9.16	---	---	---
30	---	---	---	13.66	4.28	8.86	13.56	4.45	9.24	14.78	6.24	10.48
31	---	---	---	13.72	4.33	8.99	13.40	4.52	9.09	---	---	---
MONTH	---	---	---	---	---	---	13.98	3.71	9.06	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01	0.00	0.00	0.03	0.00	1.99	0.00	0.11	0.00	0.00	0.38	0.00
2	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.02	0.00	0.37	0.00	0.04
3	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.38	0.38	0.00	0.00	0.01
4	0.00	0.12	0.00	0.00	0.06	0.73	0.00	0.00	0.47	0.00	0.50	0.53
5	0.00	0.01	0.88	0.00	0.00	0.01	0.01	0.00	0.00	0.03	0.01	0.01
6	0.00	0.06	0.01	0.00	0.37	0.13	0.00	0.00	0.17	0.00	0.02	0.79
7	0.47	0.00	0.00	0.00	0.45	1.06	0.10	0.36	0.39	0.00	0.05	0.02
8	---	0.00	0.00	0.00	0.00	0.02	1.07	0.00	0.33	0.00	0.12	0.00
9	---	0.00	0.35	0.00	0.27	0.62	0.60	0.00	0.00	0.00	0.00	0.01
10	---	0.01	0.47	0.00	0.13	0.00	0.23	0.00	0.00	0.00	0.01	0.01
11	---	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00
12	0.00	---	0.16	0.00	0.00	0.00	0.00	0.00	0.36	0.02	1.07	0.00
13	0.00	0.29	0.44	0.02	0.00	0.26	0.00	0.00	0.58	1.15	0.00	0.00
14	2.09	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.47	0.00	0.00
15	0.29	0.00	0.00	0.00	0.00	0.13	0.00	0.14	0.00	0.00	0.00	0.00
16	0.01	1.25	0.00	0.00	0.79	0.00	0.00	0.01	0.00	0.00	0.01	0.00
17	0.00	0.17	0.00	0.00	0.04	1.10	0.00	0.00	0.21	0.03	0.04	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.63	0.43	1.60	0.00
19	0.00	0.00	0.00	0.00	0.00	0.37	0.17	0.63	0.00	0.25	0.01	0.00
20	0.00	0.00	0.19	0.00	0.01	0.07	0.00	0.00	0.01	0.00	0.00	0.00
21	0.00	0.22	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
22	0.01	0.00	0.00	0.23	0.64	0.00	0.01	0.56	0.00	0.31	0.00	0.17
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.64	0.16	0.05
24	0.79	0.00	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.01	0.00
25	0.45	0.00	0.00	0.00	0.00	0.00	0.55	0.02	0.00	0.26	1.03	0.00
26	0.00	0.01	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.04
27	0.00	0.00	0.00	0.00	1.06	0.08	0.00	0.03	0.00	0.01	0.00	0.15
28	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.01	0.00	0.00	0.00	0.00	0.00	0.00
30	0.20	0.00	0.00	0.00	---	0.18	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.65	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	---	---	4.07	0.28	3.91	7.58	2.74	3.96	3.53	4.61	5.35	1.83

OGEECHEE RIVER BASIN
2003 Water Year

022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN, GA

LOCATION.—Lat 31°27'12", Long 81°21'47" referenced to North American Datum (NAD) of 1927, McIntosh County, Hydrologic unit 03060204, at the Georgia Department of Natural Resources ferry landing in Meridian, near the Sapelo Island Visitors Center near the end of the fishing pier.

DRAINAGE AREA.— Indeterminate.

COOPERATION.—Sapelo Island National Estuarine Research Reserve; Georgia Wildlife Resources Division; University of Georgia Marine Institute.

PERIOD OF RECORD.—February 2000 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: February 5, 2001 to current year.
PH: October 5, 2000 to current year.
WATER TEMPERATURE: October 5, 2000 to current year.
DISSOLVED OXYGEN: October 5, 2000 to current year.
TURBIDITY: October 6, 2000 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records fair, except dissolved oxygen which is poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 51,500 microsiemens, November 15, 2001; minimum recorded, 13,800 microsiemens, March 8, 9, 2003.
pH: Maximum recorded, 8.2 units, January 26-30, February 13-16, 2003; minimum recorded, 6.9 units, on several days.
WATER TEMPERATURE: Maximum recorded, 33.8°C, June 16, 2003; minimum recorded, 5.0°C, January 4, 2001.
DISSOLVED OXYGEN: Maximum recorded, 14.2 mg/L, January 26, 28, 2003; minimum recorded, 0.3 mg/L, May 14, June 19, 28, 29, August 22, 2002.
TURBIDITY: Maximum recorded, 1,300 NTU, June 24, 2003; minimum recorded, <2.0 NTU, on many days.

022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN, GA—continued.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum, 43,300 microsiemens, November 8; minimum, 13,800 microsiemens, March 8, 9.

pH: Maximum, 8.1 units, on several days; minimum, 6.9 units, on many days.

WATER TEMPERATURE: Maximum, 33.8°C, June 16; minimum, 6.3°C, January 20, 25.

DISSOLVED OXYGEN: Maximum, 14.2 mg/L, January 26, 28; minimum, 1.7 mg/L, August 2, 5.

TURBIDITY: Maximum, 1,300 NTU, June 24; minimum, <2.0 NTU, February 28.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	39500	32500	36400	41600	37100	39700	36800	23200	30400	35500	31000	32900
2	39500	33000	36600	---	---	---	36300	22200	27100	33200	30800	31800
3	---	---	---	---	---	---	29000	22500	25300	31800	30200	31100
4	41700	36100	38900	42600	39200	40300	27200	20500	23900	---	---	---
5	42100	37100	39400	---	---	---	24100	19900	22000	---	---	---
6	---	---	---	40900	35200	39300	24200	19600	21400	31600	29900	30700
7	---	---	---	41200	37400	39200	---	---	---	31400	29600	30600
8	---	---	---	43300	22400	38800	---	---	---	---	---	---
9	---	---	---	41600	23700	37600	---	---	---	32500	29800	31100
10	---	---	---	40900	31700	37700	---	---	---	32900	29700	31300
11	---	---	---	40700	39300	39900	---	---	---	34700	30700	32400
12	39800	34200	36900	40300	37900	39300	---	---	---	37100	31700	34300
13	40200	34200	37000	40300	36800	38700	---	---	---	37800	32400	35000
14	40800	34200	37400	---	---	---	36400	28700	32800	38900	33600	36200
15	40000	33800	37000	42000	37100	39300	36800	30700	34200	38400	33800	36600
16	---	---	---	42300	35200	39600	37600	30700	34600	---	---	---
17	---	---	---	41700	33700	37800	38400	31200	35400	36900	34800	36000
18	---	---	---	40900	32600	37700	39000	32100	36200	36400	35000	35900
19	40000	35000	37600	41200	34000	38100	38800	33400	36200	36100	33300	35000
20	---	---	---	41500	34600	38600	38000	33600	35700	35600	34000	35000
21	---	---	---	41400	35600	38700	37500	33300	35500	35100	33600	34500
22	40400	36200	38600	40400	35600	38100	37100	33200	35300	34700	33500	34100
23	40500	36900	38900	40300	35200	37900	36600	33400	35300	34900	33800	34200
24	40800	37200	38900	39600	35400	37600	---	---	---	35800	32900	34400
25	40500	35800	38100	39200	35700	37600	---	---	---	36400	33900	35000
26	40400	34600	37800	---	---	---	36700	31300	34100	37300	33800	35400
27	40600	34800	37700	---	---	---	36600	31300	34400	37400	34400	35800
28	40900	34700	38000	37500	24200	31700	36800	31900	34400	37700	34900	36200
29	---	---	---	37800	23500	30600	36300	32200	34400	37600	34900	36300
30	---	---	---	37600	26900	33100	36300	32900	34600	37600	35300	36300
31	41400	36400	39200	---	---	---	36100	31800	34300	37300	34900	36300
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	36800	35400	36200	33000	25800	29500	21900	16800	18900	26900	24000	25000
2	36400	35600	36000	30200	18200	26000	18500	17300	18000	27200	24000	25200
3	36000	35400	35900	28000	19200	24500	18200	16600	17600	27000	24100	25200
4	35800	34400	35600	26900	17400	23200	---	---	---	29000	24400	25600
5	---	---	---	25300	15600	21500	20400	17000	17900	28800	25100	26300
6	36100	35400	35700	23900	15900	20300	26200	17500	19000	28800	25400	26200
7	36000	34300	35000	25500	14800	20300	26200	18100	20100	27400	25500	26200
8	36800	34100	35200	27300	13800	20000	---	---	---	---	---	---
9	37500	34300	35800	30800	13800	22600	26400	18100	21300	31200	25800	28000
10	38000	33600	35800	31600	17700	25700	28400	17700	22800	32900	27100	29700
11	38400	34900	36500	32200	20500	27000	28600	20500	24600	33900	28300	31000
12	39200	35000	37100	31800	22900	27300	29500	22100	25800	35300	29500	32100
13	39300	35200	37700	31100	23000	27000	28700	22900	25800	38100	30100	33500
14	39400	35800	37800	30200	24300	27400	28400	23400	26500	39600	32000	34500
15	38800	36100	37600	32500	24000	28600	28200	24100	26300	40300	33200	35200
16	38300	36000	37200	31400	24000	27900	29400	22600	25500	---	---	---
17	37700	34100	36200	29400	24300	26500	29400	21200	24600	38600	33500	34800
18	36200	34800	35500	26400	21500	24000	27900	20400	23500	37100	32900	34600
19	35800	33500	34800	25600	19100	22400	25800	19700	22200	36700	32800	34100
20	35200	33600	34300	22500	17800	20200	24200	19300	21000	35800	32700	33700
21	34600	33000	33800	20900	16700	18400	23100	19700	20500	35500	32000	33400
22	34400	31600	33100	19900	15400	17300	22600	19700	20500	33200	31000	32600
23	33000	31100	31900	19000	16000	16900	23800	20100	20900	32000	30200	30900
24	32000	30900	31500	19500	16100	17000	25500	20600	22000	31600	28700	30200
25	32100	30700	31400	20900	16100	17600	24500	20800	22200	31900	29000	30100
26	32600	30600	31500	19600	16100	17400	---	---	---	31300	28600	29600
27	---	---	---	20600	16500	17800	25400	21200	22900	31100	29000	30300
28	33200	27300	30400	---	---	---	27400	21800	24000	34300	29900	31000
29	---	---	---	20500	16300	17800	28100	22700	24500	34100	30300	31600
30	---	---	---	18600	16400	17300	28100	23400	24900	---	---	---
31	---	---	---	---	---	---	---	---	---	34100	31500	32600
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	33800	31800	32700	---	---	---	35700	34000	34500	33400	31100	32100
2	33700	32300	32800	30000	28500	29300	35300	33300	34200	33100	30900	32000
3	32900	31600	32500	30300	28400	29100	35100	33700	34200	32700	31500	32100
4	32100	30400	31600	31800	28800	29500	34500	32100	34000	33000	31400	32000
5	31300	29700	30900	31900	29000	29900	34000	32600	33500	35500	31600	32400
6	30900	29500	30400	32300	30100	30900	34800	32900	33400	36900	31100	33100
7	30800	29700	30300	32600	30400	31300	34800	33000	33500	38300	31600	33800
8	29900	28800	29400	32500	30900	31600	35900	32900	33800	38600	32200	34700
9	29400	27800	28700	35000	31300	32200	35100	32400	33500	38600	33200	35400
10	---	---	---	36400	31700	32800	33800	31500	32900	38300	34300	35900
11	31600	27300	28800	---	---	---	34200	31500	32500	38500	34900	36200
12	31900	26200	28300	---	---	---	33300	23900	31200	37900	33700	35800
13	30600	24900	27400	35800	29200	32500	32500	29100	30600	36800	35400	36000
14	32300	23900	26800	34200	30000	31600	31100	29300	30200	35900	35200	35700
15	31800	24200	26700	33800	29800	31100	30600	29400	30000	36100	35400	35700
16	31400	25000	26800	32300	29800	30800	30800	29300	29900	36300	35100	35500
17	31500	26000	27000	31500	29900	30600	30800	29700	30000	37100	35100	35800
18	31500	25800	27200	31100	29800	30400	31500	28600	30200	39000	35400	36500
19	29600	25800	27100	30700	29500	30100	33700	26100	29700	38600	35700	36900
20	29300	26500	27400	31900	29500	30500	33500	27500	30700	38800	35600	37300
21	32300	26700	28800	34000	30100	31600	35100	29200	31900	39200	36400	37800
22	33000	27500	30000	35300	31200	32900	35200	30100	32700	39800	37500	38500
23	32800	28300	30500	35500	31700	33400	35800	31100	33300	39900	37800	38700
24	32100	29200	30400	---	---	---	35500	31300	33500	40100	38100	38900
25	32200	29400	30600	35900	31200	33300	36500	30000	33700	40700	38100	39100
26	32100	29600	30600	35800	31400	33400	36900	31800	34000	40900	38200	39300
27	32800	29900	30900	35800	32200	33800	36100	33000	34100	40600	37900	39100
28	32100	29800	31100	35000	32800	33900	35300	32100	33600	40600	37600	38800
29	---	---	---	36300	33400	34300	34600	31800	33100	---	---	---
30	---	---	---	35800	33800	34300	34300	30900	32700	41900	39000	40400
31	---	---	---	36100	34100	34500	33600	30800	32300	---	---	---
MONTH	---	---	---	---	---	---	36900	23900	32500	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.9	7.4	7.6	---	---	---	8.0	7.3	7.7	8.0	7.5	7.7
2	7.8	7.3	7.6	---	---	---	7.9	7.4	7.8	7.9	7.3	7.6
3	7.8	7.0	7.4	7.6	7.2	7.3	7.9	7.5	7.7	7.8	7.4	7.6
4	7.5	7.0	7.2	7.5	7.2	7.3	7.9	7.5	7.7	7.9	7.4	7.7
5	7.4	7.0	7.2	7.5	7.2	7.3	7.8	7.4	7.6	7.9	7.6	7.8
6	7.4	7.1	7.2	7.5	7.2	7.4	7.7	7.4	7.6	7.9	7.6	7.8
7	---	---	---	---	---	---	7.7	7.4	7.6	7.9	7.7	7.8
8	---	---	---	---	---	---	7.7	7.5	7.6	7.9	7.6	7.8
9	---	---	---	7.6	7.4	7.5	7.7	7.5	7.6	8.0	7.6	7.8
10	---	---	---	7.6	7.3	7.5	7.7	7.5	7.6	8.0	7.7	7.9
11	---	---	---	7.6	7.3	7.4	7.7	7.4	7.5	8.0	7.7	7.9
12	7.4	7.0	7.2	7.6	7.3	7.4	7.7	7.3	7.5	8.1	7.8	8.0
13	7.4	7.0	7.2	7.6	7.3	7.4	7.8	7.3	7.5	8.1	7.7	8.0
14	7.5	7.0	7.2	7.7	7.2	7.4	7.8	7.3	7.6	8.1	7.7	8.0
15	7.4	7.0	7.3	7.7	7.2	7.4	7.9	7.4	7.7	8.1	7.7	7.9
16	---	---	---	7.7	7.1	7.3	7.9	7.3	7.6	8.1	7.6	7.9
17	---	---	---	7.6	7.0	7.2	8.0	7.4	7.7	8.0	7.6	7.8
18	---	---	---	7.6	7.0	7.3	8.0	7.4	7.7	8.0	7.6	7.8
19	---	---	---	7.6	7.0	7.3	7.9	7.4	7.6	8.0	7.6	7.8
20	7.4	7.0	7.2	---	---	---	7.9	7.3	7.6	8.0	7.7	7.9
21	7.4	7.1	7.2	---	---	---	7.8	7.3	7.6	8.1	7.7	7.9
22	7.4	7.1	7.2	---	---	---	7.9	7.3	7.6	8.0	7.7	7.9
23	7.4	7.1	7.2	---	---	---	7.9	7.4	7.7	8.0	7.7	7.9
24	7.5	7.2	7.3	---	---	---	7.9	7.4	7.7	8.1	7.8	8.0
25	7.5	7.2	7.3	---	---	---	7.9	7.5	7.6	8.1	7.7	7.9
26	7.5	7.2	7.3	---	---	---	8.0	7.4	7.7	8.0	7.7	7.9
27	7.5	7.1	7.3	7.8	7.3	7.5	8.0	7.5	7.7	8.1	7.8	8.0
28	7.5	7.1	7.3	7.9	7.3	7.6	8.0	7.5	7.7	8.1	7.8	8.0
29	7.5	7.1	7.3	8.0	7.4	7.6	8.0	7.5	7.7	8.1	7.8	8.0
30	7.6	7.1	7.2	7.9	7.3	7.6	8.0	7.5	7.7	8.1	7.7	7.9
31	7.6	7.1	7.3	---	---	---	8.0	7.5	7.7	8.0	7.6	7.9
MAX	---	---	---	---	---	---	8.0	7.5	7.8	8.1	7.8	8.0
MIN	---	---	---	---	---	---	7.7	7.3	7.5	7.8	7.3	7.6

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.0	7.6	7.8	7.9	7.3	7.6	7.5	7.2	7.3	7.6	7.2	7.3
2	8.0	7.6	7.9	7.8	7.0	7.4	7.4	7.2	7.3	7.6	7.2	7.4
3	8.0	7.6	7.9	7.7	7.0	7.4	7.4	7.2	7.3	7.6	7.3	7.4
4	8.0	7.6	7.8	7.7	7.1	7.4	7.5	7.2	7.3	7.7	7.3	7.4
5	8.0	7.6	7.8	7.6	6.9	7.3	7.6	7.2	7.3	7.7	7.3	7.5
6	8.0	7.7	7.9	7.6	7.0	7.2	7.8	7.2	7.3	7.7	7.3	7.5
7	8.0	7.7	7.8	7.7	7.0	7.3	7.8	7.1	7.4	7.7	7.3	7.5
8	8.0	7.6	7.8	7.7	7.0	7.3	7.8	7.2	7.4	7.8	7.3	7.6
9	8.0	7.7	7.9	7.8	7.0	7.4	7.7	7.1	7.3	7.9	7.4	7.6
10	8.0	7.6	7.9	7.8	7.0	7.4	7.6	7.1	7.3	8.0	7.4	7.7
11	8.0	7.7	7.9	7.8	7.1	7.5	7.6	7.2	7.4	8.1	7.4	7.7
12	8.0	7.5	7.8	7.8	7.1	7.4	7.7	7.2	7.4	8.0	7.4	7.7
13	8.0	7.6	7.8	7.7	7.1	7.4	7.7	7.2	7.4	8.1	7.4	7.7
14	8.0	7.5	7.8	7.7	7.1	7.5	7.6	7.2	7.4	7.9	7.4	7.6
15	8.0	7.4	7.8	7.8	7.1	7.4	7.6	7.2	7.4	7.9	7.4	7.6
16	8.0	7.3	7.7	7.7	7.1	7.3	7.6	7.1	7.4	7.6	7.1	7.3
17	7.9	7.3	7.6	7.6	7.1	7.4	7.6	7.1	7.4	7.5	7.0	7.3
18	7.8	7.3	7.5	7.6	7.1	7.3	7.6	7.1	7.4	7.4	7.1	7.3
19	7.8	7.2	7.6	7.6	7.0	7.3	7.5	7.1	7.3	7.5	7.1	7.3
20	7.8	7.3	7.6	7.5	7.1	7.3	7.5	7.2	7.4	7.5	7.2	7.4
21	7.8	7.4	7.6	7.5	7.0	7.3	7.5	7.1	7.3	7.5	7.2	7.4
22	7.7	7.3	7.5	7.5	7.1	7.2	7.5	7.1	7.3	7.5	7.2	7.3
23	7.7	7.2	7.5	7.4	7.1	7.2	7.5	7.2	7.4	---	---	---
24	7.7	7.3	7.5	7.4	7.1	7.2	7.6	7.3	7.4	---	---	---
25	7.8	7.2	7.5	7.4	7.1	7.2	7.6	7.3	7.4	---	---	---
26	7.8	7.3	7.5	7.4	7.1	7.2	7.6	7.3	7.4	---	---	---
27	7.8	7.3	7.7	7.4	7.1	7.2	7.7	7.2	7.4	---	---	---
28	7.8	7.3	7.6	7.5	7.1	7.3	7.7	7.3	7.4	7.7	7.0	7.2
29	---	---	---	7.4	7.1	7.2	7.7	7.2	7.4	7.7	7.0	7.2
30	---	---	---	7.4	7.0	7.2	7.6	7.2	7.4	7.7	7.0	7.2
31	---	---	---	7.6	7.1	7.3	---	---	---	7.7	7.1	7.2
MAX	8.0	7.7	7.9	7.9	7.3	7.6	7.8	7.3	7.4	---	---	---
MIN	7.7	7.2	7.5	7.4	6.9	7.2	7.4	7.1	7.3	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.8	7.1	7.3	7.6	7.2	7.3	7.7	7.2	7.4	7.4	7.2	7.3
2	7.7	7.1	7.4	7.5	7.2	7.3	7.7	7.1	7.4	7.5	7.2	7.4
3	7.6	7.1	7.2	7.6	7.1	7.3	7.7	7.1	7.4	7.5	7.2	7.4
4	7.5	7.0	7.1	7.6	7.1	7.3	7.8	7.2	7.4	7.6	7.3	7.4
5	7.4	6.9	7.1	7.6	7.1	7.4	7.7	7.1	7.4	7.7	7.2	7.3
6	7.4	6.9	7.1	7.6	7.2	7.4	7.8	7.2	7.4	7.6	7.2	7.3
7	7.4	6.9	7.1	7.7	7.2	7.4	7.8	7.2	7.4	7.6	7.2	7.3
8	7.3	6.9	7.1	7.8	7.2	7.4	7.8	7.2	7.4	7.6	7.2	7.3
9	7.4	6.9	7.2	7.8	7.2	7.4	7.8	7.2	7.4	7.5	7.2	7.3
10	7.6	7.0	7.2	7.8	7.2	7.4	7.7	7.2	7.3	7.5	7.2	7.3
11	7.6	7.0	7.2	7.7	7.2	7.3	7.7	7.2	7.4	7.5	7.2	7.4
12	7.5	7.0	7.2	7.6	7.1	7.3	7.6	7.1	7.3	7.5	7.3	7.4
13	7.4	7.0	7.2	7.5	7.0	7.2	7.6	7.1	7.3	7.5	7.2	7.4
14	7.5	6.9	7.1	7.3	7.0	7.1	7.6	7.1	7.4	7.5	7.3	7.4
15	7.5	7.0	7.2	7.3	6.9	7.1	7.6	7.2	7.4	7.4	7.3	7.3
16	7.5	7.0	7.2	7.3	6.9	7.1	7.6	7.2	7.4	7.4	7.2	7.3
17	7.4	7.0	7.2	7.4	7.0	7.2	7.6	7.4	7.5	7.5	7.2	7.4
18	7.4	6.9	7.1	7.4	7.0	7.2	7.7	7.5	7.6	7.5	7.2	7.4
19	7.3	6.9	7.1	7.4	7.0	7.3	7.8	7.4	7.6	7.6	7.2	7.3
20	7.4	7.0	7.1	7.6	7.0	7.4	7.9	7.4	7.6	7.6	7.2	7.4
21	7.6	7.0	7.3	7.8	7.2	7.5	7.9	7.3	7.5	7.7	7.2	7.4
22	7.8	7.0	7.3	7.9	7.2	7.5	7.8	7.3	7.5	7.6	7.1	7.4
23	7.7	7.1	7.4	7.8	7.2	7.6	7.7	7.4	7.5	7.5	7.0	7.2
24	7.7	7.1	7.3	7.9	7.4	7.6	8.0	7.4	7.6	7.5	7.0	7.2
25	7.7	7.2	7.3	7.9	7.3	7.6	7.8	7.4	7.6	7.4	7.0	7.2
26	7.8	7.2	7.3	8.0	7.3	7.6	7.8	7.3	7.5	7.3	7.0	7.1
27	7.8	7.2	7.4	8.0	7.3	7.6	7.7	7.2	7.4	7.3	7.0	7.1
28	7.7	7.3	7.4	7.9	7.3	7.6	7.6	7.2	7.3	7.2	6.9	7.1
29	7.6	7.2	7.3	7.9	7.3	7.5	7.5	7.2	7.3	7.3	7.0	7.2
30	7.6	7.2	7.3	7.9	7.2	7.5	7.5	7.2	7.3	7.3	7.0	7.2
31	---	---	---	7.8	7.2	7.5	7.4	7.2	7.3	---	---	---
MAX	7.8	7.3	7.4	8.0	7.4	7.6	8.0	7.5	7.6	7.7	7.3	7.4
MIN	7.3	6.9	7.1	7.3	6.9	7.1	7.4	7.1	7.3	7.2	6.9	7.1

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	28.8	27.8	28.4	23.0	21.3	22.2	14.0	12.2	13.1	14.0	11.9	12.7
2	28.6	27.4	28.1	22.0	20.2	21.2	13.5	11.6	12.5	13.8	12.5	13.0
3	---	---	---	21.0	19.7	20.3	13.0	11.6	12.4	13.3	11.6	12.7
4	28.3	27.1	27.7	20.7	19.7	20.1	13.5	12.2	12.7	11.8	10.8	11.5
5	28.9	27.3	27.8	---	---	---	12.8	11.9	12.1	11.7	10.3	11.1
6	---	---	---	21.5	19.8	20.9	12.2	11.5	11.7	12.4	10.5	11.4
7	---	---	---	20.0	19.2	19.7	12.3	10.8	11.6	11.7	10.6	11.1
8	---	---	---	20.1	18.1	19.3	12.3	10.8	11.7	11.2	10.0	10.6
9	---	---	---	20.3	18.9	19.6	12.0	11.7	11.8	12.2	10.1	10.9
10	---	---	---	22.3	19.7	20.6	11.8	11.2	11.6	13.3	11.2	11.9
11	---	---	---	23.3	21.0	21.8	12.2	11.7	11.9	12.0	11.0	11.5
12	28.5	26.2	27.3	22.5	21.7	22.1	12.1	11.5	11.9	11.6	10.3	10.8
13	27.9	27.0	27.4	22.0	20.6	21.2	---	---	---	10.9	9.6	10.1
14	27.4	26.1	26.7	---	---	---	13.0	11.7	12.3	10.5	8.8	9.9
15	26.1	24.4	25.1	19.9	18.4	19.3	12.2	10.1	11.1	10.5	9.0	9.8
16	---	---	---	19.8	18.9	19.3	11.4	9.9	10.8	---	---	---
17	---	---	---	19.4	15.8	18.2	11.5	10.5	11.0	10.2	9.0	9.7
18	---	---	---	17.1	14.9	16.1	12.1	11.1	11.6	9.3	7.4	8.5
19	21.9	20.5	21.2	16.7	14.5	15.6	13.4	12.0	12.6	8.2	6.6	7.6
20	22.2	21.0	21.7	16.6	14.8	15.9	15.2	12.9	13.8	8.8	6.3	7.8
21	23.4	21.8	22.5	16.6	15.7	16.3	13.8	12.8	13.2	11.0	8.1	9.2
22	22.9	22.4	22.7	17.1	15.8	16.4	13.6	12.2	12.8	10.8	9.6	10.2
23	22.4	21.9	22.2	15.9	15.0	15.5	14.5	12.7	13.3	10.6	8.9	9.9
24	22.1	21.7	21.9	15.6	14.1	15.1	14.2	13.3	13.7	8.9	7.2	8.1
25	21.9	21.4	21.7	16.5	14.4	15.6	14.3	12.9	13.9	8.0	6.3	7.4
26	22.6	21.4	21.9	---	---	---	13.0	11.6	12.4	8.3	6.6	7.6
27	23.7	22.0	22.6	---	---	---	12.5	10.7	11.7	8.3	7.0	7.7
28	24.9	22.7	23.5	16.2	15.0	15.5	11.9	9.9	11.2	8.4	6.8	7.8
29	---	---	---	15.3	13.2	14.3	11.5	9.6	10.9	10.0	7.5	8.5
30	---	---	---	14.2	12.4	13.4	11.4	10.1	11.0	11.5	8.6	9.6
31	24.9	22.6	23.3	---	---	---	12.5	11.0	11.5	11.2	9.4	10.3
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12.2	9.8	10.7	14.4	13.5	13.7	20.0	16.0	17.3	24.8	23.5	24.1
2	12.6	10.0	11.0	15.8	14.0	14.7	20.6	16.1	17.5	26.3	23.2	24.3
3	14.4	10.5	11.6	15.4	14.1	14.7	21.1	17.3	18.2	25.9	23.6	24.6
4	13.6	11.3	12.3	14.4	14.0	14.2	---	---	---	27.3	24.0	25.1
5	---	---	---	16.8	14.0	14.9	21.9	18.4	19.5	28.3	24.4	25.7
6	12.0	11.3	11.6	19.4	15.4	16.7	23.0	18.8	20.5	28.5	24.9	26.4
7	11.9	11.2	11.6	18.2	15.8	16.9	24.4	18.9	21.5	28.6	25.5	26.8
8	11.8	10.8	11.2	17.0	15.2	16.2	---	---	---	---	---	---
9	10.9	10.5	10.7	16.3	15.2	15.7	20.3	19.4	20.0	29.2	25.6	27.0
10	12.6	10.7	11.3	18.6	15.2	16.0	19.4	17.6	18.6	29.1	25.6	26.9
11	12.3	10.7	11.3	18.6	15.5	16.4	18.3	16.3	17.4	28.6	25.5	26.9
12	12.1	10.4	11.3	19.4	16.0	17.0	19.4	16.5	17.8	28.1	25.5	26.5
13	12.0	10.5	11.4	18.7	16.7	17.5	20.9	17.6	18.8	26.7	24.3	25.3
14	11.8	10.8	11.4	18.0	16.8	17.2	21.8	18.5	19.7	25.4	24.0	24.6
15	14.6	11.4	12.4	16.8	15.9	16.2	22.8	19.3	20.6	26.0	24.0	24.6
16	14.0	12.2	13.2	17.0	15.7	16.2	23.6	20.1	21.2	---	---	---
17	14.0	12.5	13.1	17.1	16.0	16.4	24.4	20.8	22.0	29.0	25.1	26.4
18	13.4	12.0	12.4	18.0	16.4	17.0	25.8	21.8	23.0	30.3	26.0	27.4
19	14.6	11.5	12.6	18.9	16.8	17.6	24.6	22.6	23.4	27.0	26.0	26.6
20	15.0	12.9	13.6	21.4	17.9	19.2	24.4	22.5	23.1	26.3	24.6	25.4
21	15.5	13.5	14.4	22.6	19.1	20.5	24.2	22.4	23.2	27.5	24.6	25.7
22	16.2	14.0	15.1	23.4	19.8	21.1	25.0	22.7	23.5	25.8	25.2	25.5
23	16.3	14.6	15.2	21.7	20.0	20.8	24.4	21.8	22.9	26.2	24.8	25.3
24	16.5	13.9	14.9	22.4	19.5	20.5	23.4	21.6	22.5	26.9	24.8	25.6
25	16.7	14.4	15.3	22.1	19.3	20.4	22.7	21.6	22.0	27.4	25.5	26.3
26	16.1	14.6	15.0	22.0	19.0	20.5	---	---	---	27.8	26.0	26.8
27	---	---	---	21.3	19.4	20.4	23.1	21.0	22.1	27.6	26.4	27.0
28	14.4	13.3	13.9	---	---	---	23.7	21.7	22.7	27.3	25.8	26.6
29	---	---	---	23.0	20.0	21.3	25.0	22.1	23.4	27.0	25.6	26.2
30	---	---	---	22.3	18.7	20.5	26.5	22.8	24.1	---	---	---
31	---	---	---	---	---	---	---	---	---	27.1	25.0	25.7
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.2	25.1	25.8	---	---	---	29.6	27.9	28.5	32.0	30.0	30.8
2	28.8	25.5	26.4	29.1	27.6	28.1	30.9	27.8	28.6	32.6	30.3	31.1
3	27.2	25.7	26.3	28.8	27.3	27.8	31.5	28.1	29.1	32.1	30.4	31.1
4	26.7	25.5	25.9	29.6	27.3	28.0	30.3	28.6	29.2	31.3	30.3	30.7
5	27.8	25.8	26.4	30.8	27.5	28.6	30.0	27.7	29.0	30.8	29.8	30.1
6	27.3	26.1	26.7	31.1	28.3	29.2	29.6	28.5	29.1	30.0	27.1	28.7
7	27.6	26.2	26.7	31.5	28.6	29.8	29.4	28.4	28.8	27.4	25.7	26.7
8	28.0	25.9	26.9	31.9	29.0	30.2	29.0	28.0	28.4	26.2	25.2	25.7
9	28.9	26.4	27.4	31.5	29.5	30.5	29.9	27.9	28.5	26.2	25.0	25.6
10	---	---	---	31.9	29.7	30.6	30.5	27.8	28.4	26.1	25.4	25.8
11	30.6	27.6	28.8	---	---	---	30.0	27.6	28.2	26.6	25.1	25.7
12	31.2	28.1	29.0	---	---	---	28.9	27.6	28.0	27.5	25.2	26.1
13	31.8	28.1	28.9	29.9	28.3	29.1	30.0	27.6	28.4	28.6	25.9	26.8
14	32.8	28.0	28.9	28.4	27.7	28.1	30.1	28.0	28.8	29.0	26.7	27.5
15	32.8	28.3	29.5	29.2	27.1	27.9	31.5	28.6	29.5	29.6	27.3	28.1
16	33.8	28.8	30.1	30.9	27.4	28.5	32.0	29.1	30.1	29.5	27.7	28.3
17	31.0	29.0	29.8	31.4	28.0	29.1	31.6	29.3	30.2	28.8	27.4	28.0
18	30.0	28.8	29.3	31.4	28.7	29.6	32.0	29.5	30.4	28.5	26.7	27.4
19	30.7	28.1	29.2	30.7	28.9	29.6	31.0	29.1	30.0	28.2	26.7	27.4
20	29.5	28.3	28.9	31.6	28.8	29.8	31.3	29.5	30.2	28.4	26.9	27.6
21	30.1	28.0	28.8	31.4	29.0	30.1	30.5	29.4	30.0	28.5	27.4	27.9
22	30.3	28.2	29.1	30.3	29.1	29.6	30.1	29.1	29.6	28.4	27.3	27.8
23	30.4	28.4	29.3	29.3	27.8	28.4	30.0	29.0	29.4	28.0	27.3	27.6
24	30.2	28.6	29.4	---	---	---	31.0	28.7	29.5	27.6	26.5	27.1
25	30.5	28.8	29.7	28.8	27.2	27.7	31.1	29.1	29.8	27.0	26.4	26.6
26	31.1	29.1	29.8	28.8	26.8	27.6	31.5	29.1	29.9	26.8	26.2	26.5
27	30.8	28.8	29.7	29.7	27.3	28.2	32.9	29.1	30.0	27.6	25.9	26.6
28	30.4	28.9	29.3	30.1	27.8	28.5	32.4	29.2	30.1	28.4	26.2	27.1
29	---	---	---	30.7	27.8	28.7	30.9	29.4	30.0	---	---	---
30	---	---	---	30.7	27.9	28.7	32.2	29.4	30.3	25.6	23.8	24.6
31	---	---	---	30.8	28.0	28.7	32.6	29.8	30.8	---	---	---
MONTH	---	---	---	---	---	---	32.9	27.6	29.4	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	4.3	2.9	3.6	---	---	---	10.1	6.6	8.5	9.8	8.0	9.1
2	4.1	2.3	3.3	---	---	---	9.6	7.4	8.6	9.7	6.7	8.7
3	---	---	3.5	---	---	---	9.3	7.5	8.5	9.9	7.7	8.9
4	5.5	2.1	3.2	5.4	3.9	4.8	8.8	7.6	8.4	10.7	8.3	9.9
5	---	---	---	---	---	---	8.6	7.7	8.2	11.0	9.6	10.3
6	---	---	---	---	---	---	8.6	7.4	8.1	11.0	9.8	10.5
7	---	---	---	---	---	---	9.0	7.6	8.4	11.3	10.0	10.8
8	---	---	---	---	---	---	9.4	8.1	8.7	11.2	10.3	10.8
9	---	---	---	7.5	6.1	6.9	8.9	8.4	8.6	11.1	10.0	10.8
10	---	---	---	7.6	5.7	6.8	---	---	---	10.9	9.7	10.3
11	---	---	---	7.4	5.5	6.6	---	---	---	10.8	9.1	10.1
12	5.1	2.8	4.1	7.1	4.6	6.0	---	---	---	10.6	9.5	10.0
13	---	---	---	7.5	5.0	6.1	---	---	---	10.2	9.0	9.7
14	---	---	---	---	---	---	9.3	7.4	8.5	10.1	8.8	9.5
15	---	---	---	8.1	6.2	7.2	9.9	7.6	8.9	10.6	8.6	9.6
16	---	---	---	7.9	6.4	7.2	9.8	7.5	8.9	---	---	---
17	---	---	---	8.9	6.8	7.8	9.8	7.3	8.9	12.1	9.5	10.7
18	---	---	---	8.8	7.5	8.4	9.8	7.6	8.8	12.6	9.7	11.4
19	---	---	---	8.8	8.0	8.5	9.3	7.4	8.5	13.0	9.9	11.9
20	---	---	---	9.4	8.2	8.8	9.4	7.0	8.3	13.1	10.7	12.5
21	---	---	---	9.0	8.3	8.7	9.4	6.8	8.5	13.1	11.6	12.5
22	5.2	3.3	4.3	9.0	8.1	8.7	9.6	6.9	8.8	12.8	11.1	12.0
23	5.7	3.3	4.7	9.4	8.6	9.1	9.7	7.7	9.1	12.8	10.1	11.8
24	6.0	3.8	5.1	9.5	8.9	9.3	9.6	7.9	8.9	13.7	11.6	12.8
25	---	---	---	9.7	8.9	9.4	9.8	7.6	8.8	14.0	12.1	13.3
26	---	---	---	---	---	---	11.4	7.5	9.5	14.2	11.9	13.4
27	6.2	4.2	5.3	---	---	---	10.1	8.8	9.5	14.1	12.6	13.5
28	6.2	4.0	5.2	10.0	6.8	8.2	10.3	8.9	9.7	14.2	12.5	13.4
29	---	---	---	11.0	7.1	8.6	10.4	8.7	9.8	13.7	11.5	12.9
30	---	---	---	9.7	6.6	8.2	10.4	8.8	9.8	13.3	11.0	12.3
31	---	---	---	---	---	---	10.2	8.1	9.3	12.5	10.1	11.5
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12.1	9.6	11.1	7.5	5.8	6.9	6.6	5.4	6.0	6.6	4.9	5.8
2	12.0	9.7	11.2	7.4	6.1	6.8	6.6	4.9	6.0	7.1	4.9	6.0
3	11.9	9.4	11.1	7.5	5.4	6.8	6.7	4.9	5.9	6.9	5.5	6.3
4	11.4	9.0	10.5	7.7	6.2	7.1	---	---	---	7.0	5.3	6.2
5	---	---	---	7.5	6.1	7.0	6.6	4.6	5.9	7.1	5.3	6.2
6	11.9	9.7	11.0	7.4	5.7	6.6	7.3	4.4	5.9	6.8	5.1	6.1
7	11.4	9.7	10.6	7.5	5.6	6.5	7.7	4.2	6.1	6.9	5.1	6.1
8	12.1	9.4	10.7	7.6	5.8	6.8	---	---	---	---	---	---
9	11.3	9.5	10.7	7.4	6.0	6.8	6.3	3.7	4.9	7.9	5.6	6.8
10	11.1	9.6	10.4	7.1	5.9	6.6	5.2	3.8	4.5	7.9	5.6	6.7
11	10.8	8.9	10.2	7.1	5.6	6.4	5.4	3.4	4.8	8.1	5.2	6.6
12	11.3	9.0	10.2	7.0	5.2	6.0	5.9	3.4	4.8	7.7	5.4	6.6
13	---	---	---	7.0	4.8	5.9	5.3	3.2	4.4	7.8	5.6	6.5
14	---	---	---	7.0	4.4	6.1	7.8	3.3	6.0	6.8	4.6	5.9
15	---	---	---	7.4	5.5	6.7	7.3	5.4	6.7	5.8	4.2	5.0
16	---	---	---	7.1	5.3	6.4	7.0	5.1	6.4	---	---	---
17	---	---	---	6.8	5.4	6.2	6.9	4.9	6.1	6.2	2.3	4.0
18	---	---	---	6.4	4.8	5.9	7.9	4.8	6.3	5.9	2.5	4.4
19	---	---	---	6.6	4.8	5.9	7.0	4.9	6.2	5.8	---	4.7
20	---	---	---	6.4	4.5	6.0	7.0	5.1	6.3	6.6	---	---
21	---	---	---	6.0	4.2	5.5	6.8	4.8	6.1	---	---	---
22	---	---	---	5.8	4.0	5.3	6.9	5.1	6.2	---	---	---
23	---	---	---	5.8	4.0	5.1	7.2	5.6	6.6	---	---	---
24	---	---	---	6.0	4.2	5.2	7.5	6.1	6.8	---	---	---
25	---	---	---	5.9	4.4	5.3	7.3	5.2	6.2	---	---	---
26	---	---	---	6.3	4.2	5.4	---	---	---	---	---	---
27	---	---	---	6.4	4.3	5.3	7.2	4.8	6.1	6.6	3.5	4.8
28	7.6	6.0	6.9	---	---	---	7.2	5.1	6.2	6.9	3.6	5.0
29	---	---	---	6.0	3.9	5.1	7.1	5.1	6.2	7.2	3.6	5.3
30	---	---	---	5.8	3.4	4.7	6.8	5.0	6.0	---	---	---
31	---	---	---	---	---	---	---	---	---	7.1	4.5	5.7
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.1	4.1	6.0	---	---	---	5.3	2.7	4.4	4.3	1.8	3.4
2	8.0	4.3	6.3	---	---	---	5.9	1.7	4.5	4.6	2.5	3.8
3	6.8	4.4	5.8	---	---	---	6.2	2.6	4.8	---	---	---
4	6.5	3.5	5.0	---	---	---	6.7	2.9	4.8	---	---	---
5	6.5	2.8	5.2	---	---	---	5.8	1.7	4.4	---	---	---
6	6.8	2.8	5.1	---	---	---	6.5	2.9	4.5	---	---	---
7	6.6	2.9	4.8	---	---	---	6.7	2.9	4.5	---	---	---
8	6.7	2.8	5.0	---	---	---	6.2	3.2	4.5	---	---	---
9	7.0	---	---	---	---	---	6.0	2.4	4.1	---	---	---
10	---	---	---	---	---	---	5.9	2.4	4.2	---	---	---
11	7.5	---	---	---	---	---	6.3	2.1	4.5	---	---	---
12	6.9	---	---	---	---	---	6.5	2.4	4.5	---	---	---
13	6.5	---	---	---	---	---	5.5	2.9	4.4	---	---	---
14	6.9	---	---	---	---	---	5.5	2.6	4.4	---	---	---
15	7.4	---	---	---	---	---	5.5	2.7	4.5	---	---	---
16	7.8	---	---	---	---	---	5.4	2.5	4.3	6.3	4.3	5.3
17	7.3	---	---	---	---	---	5.5	3.3	4.5	7.0	4.7	6.0
18	7.2	---	---	---	---	---	6.4	3.7	5.2	7.2	5.4	6.4
19	7.4	---	---	---	---	---	5.7	4.0	4.9	8.1	5.1	6.2
20	7.6	---	---	---	---	---	6.3	3.5	4.8	7.7	4.4	6.2
21	7.8	---	---	---	---	---	6.2	3.4	4.7	7.6	4.5	6.1
22	9.1	---	---	7.0	4.5	5.7	6.7	3.3	4.7	7.2	3.5	5.6
23	8.4	---	---	6.2	2.9	5.0	5.8	3.5	4.5	6.3	2.1	4.7
24	---	---	---	---	---	---	6.6	2.8	4.4	5.6	2.9	4.6
25	---	---	---	7.8	3.8	5.4	6.1	2.3	4.0	5.1	3.1	4.4
26	---	---	---	8.7	4.4	5.9	5.9	2.3	3.7	4.8	3.0	4.1
27	---	---	---	9.8	4.1	6.1	4.7	2.2	3.4	5.1	3.1	4.1
28	---	---	---	7.5	4.0	5.7	4.5	2.1	3.4	5.2	2.7	4.1
29	---	---	---	7.6	4.0	5.5	3.9	2.0	3.2	---	---	---
30	---	---	---	7.4	3.5	5.3	4.2	1.8	3.2	6.9	4.3	5.8
31	---	---	---	6.6	3.5	5.0	4.3	1.8	3.4	---	---	---
MONTH	---	---	---	---	---	---	6.7	1.7	4.3	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	15	4.8	7.2	---	---	---	17	6.5	9.1	57	9.6	18
2	20	5.0	6.9	---	---	---	30	6.1	11	57	7.7	15
3	---	---	---	---	---	---	52	6.3	11	42	7.9	15
4	44	6.9	10	58	7.9	13	70	5.9	17	63	8.1	18
5	---	---	---	---	---	---	72	8.5	16	47	6.1	14
6	---	---	---	---	---	---	49	5.4	11	31	6.0	11
7	---	---	---	---	---	---	46	4.2	9.5	14	5.7	9.3
8	---	---	---	---	---	---	16	4.3	7.9	29	4.3	7.6
9	---	---	---	23	7.2	9.9	25	4.4	7.9	11	3.9	6.7
10	---	---	---	220	6.0	8.4	26	7.4	10	9.4	4.2	6.5
11	---	---	---	12	4.6	8.2	19	4.8	7.6	9.6	3.7	5.5
12	17	5.6	10	14	4.9	8.4	10	4.5	6.1	7.7	3.2	4.5
13	---	---	---	49	5.2	9.1	---	---	---	8.0	2.0	3.9
14	---	---	---	---	---	---	47	7.0	9.9	6.7	2.4	4.1
15	---	---	---	19	4.9	7.4	16	5.4	8.3	15	2.7	4.6
16	---	---	---	16	4.6	8.3	14	5.5	8.1	---	---	---
17	---	---	---	27	8.3	12	26	5.9	8.1	15	3.6	6.5
18	---	---	---	41	6.7	11	26	6.5	9.4	24	3.9	7.7
19	---	---	---	31	7.6	11	26	6.7	10	26	3.8	7.5
20	---	---	---	36	7.4	10	38	8.1	14	23	3.8	9.2
21	---	---	---	31	6.5	11	22	6.5	10	29	5.0	10
22	---	---	---	23	7.0	10	22	5.4	9.4	51	6.7	12
23	---	---	---	20	5.0	8.7	23	5.9	10	19	5.6	10
24	---	---	---	35	5.5	7.9	---	---	---	19	4.6	7.7
25	---	---	---	14	4.9	8.1	---	---	---	12	2.7	6.3
26	---	---	---	---	---	---	34	6.3	10	660	2.7	5.7
27	18	7.3	10	---	---	---	22	5.0	9.0	18	2.4	4.3
28	23	5.2	11	9.4	5.2	7.1	31	4.4	8.2	15	2.7	4.8
29	---	---	---	12	5.0	7.2	26	4.5	8.6	24	3.0	5.8
30	---	---	---	18	4.7	7.1	37	4.0	9.5	28	3.3	7.1
31	---	---	---	---	---	---	46	4.9	11	18	3.5	6.5
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	17	3.6	7.0	26	2.9	9.8	36	6.4	9.6	27	7.5	14
2	24	4.2	7.7	42	6.5	15	37	6.4	9.9	29	7.1	13
3	32	4.5	8.0	23	4.0	10	51	5.9	9.1	81	11	17
4	14	4.8	8.3	26	5.2	12	---	---	---	32	8.2	13
5	---	---	---	17	5.4	9.3	25	6.1	11	32	7.2	11
6	9.2	4.0	5.9	17	4.2	8.0	17	6.8	9.2	51	7.8	12
7	37	3.7	6.3	18	5.6	9.8	20	5.8	9.1	27	7.4	11
8	11	3.3	4.8	19	5.7	9.7	---	---	---	---	---	---
9	6.9	2.6	4.3	11	5.6	8.5	23	8.6	13	180	7.5	13
10	8.0	2.9	4.5	12	4.7	7.7	20	7.3	14	480	7.8	12
11	8.1	3.3	4.8	9.2	3.9	5.9	26	8.7	14	1200	7.6	15
12	8.2	2.6	4.2	7.8	2.7	4.9	25	7.9	12	---	---	---
13	8.1	3.1	4.7	9.4	3.0	5.8	26	8.2	15	---	---	---
14	8.2	2.1	4.3	18	3.4	6.5	39	10	18	---	---	---
15	27	3.0	7.3	27	5.8	9.0	92	10	20	---	---	---
16	41	4.1	11	35	5.8	11	90	10	24	---	---	---
17	61	7.3	15	61	7.3	15	140	13	27	49	7.9	16
18	50	4.8	14	58	4.5	16	99	14	27	45	8.5	16
19	54	4.6	13	70	8.6	19	58	14	26	37	8.6	15
20	230	4.0	14	56	12	19	51	15	23	30	7.2	14
21	84	5.7	12	66	12	19	39	14	21	30	7.3	11
22	52	6.6	12	40	11	17	35	13	19	19	6.0	10
23	41	5.8	10	24	10	15	30	12	18	18	7.4	12
24	15	3.3	7.6	22	8.6	13	21	11	15	16	6.6	10
25	14	2.3	6.4	21	8.0	10	40	8.9	16	16	6.4	9.7
26	12	3.9	6.8	16	7.2	9.5	---	---	---	15	6.0	9.0
27	---	---	---	20	7.4	10	29	12	16	16	5.5	8.2
28	26	<2.0	5.5	---	---	---	30	11	18	17	6.5	8.8
29	---	---	---	18	7.3	10	30	10	16	15	5.7	8.2
30	---	---	---	22	7.3	11	29	9.2	14	---	---	---
31	---	---	---	---	---	---	---	---	---	38	6.5	10
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022035975 HUDSON CREEK AT MERIDIAN LANDING, NEAR MERIDIAN,GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312712 LONGITUDE 0812146 NAD83 DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18	7.1	9.6	---	---	---	36	5.4	8.4	39	8.1	16
2	15	4.8	8.6	36	8.1	14	37	5.1	12	25	7.5	17
3	32	5.4	9.7	42	8.8	14	28	3.9	9.3	27	6.7	14
4	19	5.4	9.9	81	6.6	12	500	4.1	9.4	28	5.3	12
5	12	4.5	8.8	27	6.0	11	26	6.7	12	300	6.1	11
6	12	3.8	7.8	27	4.6	13	37	5.9	9.6	1200	8.1	12
7	16	5.1	8.2	28	6.7	16	19	5.6	11	41	7.3	11
8	29	2.8	9.8	28	8.1	14	22	5.5	10	43	6.9	11
9	570	4.3	11	60	7.3	22	29	4.9	10	48	6.5	12
10	---	---	---	85	8.4	14	97	5.8	12	48	6.6	13
11	50	7.4	14	---	---	---	57	5.9	13	46	6.8	14
12	47	7.0	15	---	---	---	85	5.5	15	44	6.1	11
13	78	10	21	650	9.2	20	38	6.6	17	39	5.2	9.6
14	56	8.3	20	54	11	24	24	6.1	14	39	4.7	8.9
15	50	7.7	16	48	15	22	25	5.2	13	15	3.6	9.0
16	51	7.1	16	70	16	27	34	7.3	13	15	6.1	9.7
17	30	7.4	14	72	16	26	45	5.4	10	16	4.7	8.6
18	24	5.4	13	57	21	32	550	5.5	12	18	5.2	8.6
19	60	6.6	12	---	---	---	28	8.7	16	16	5.7	8.6
20	18	5.4	9.5	---	---	---	22	6.7	10	15	5.5	8.5
21	16	6.0	9.4	---	---	---	20	5.6	9.2	18	4.8	9.0
22	16	5.8	8.8	---	---	---	21	6.2	9.0	43	8.5	18
23	14	6.1	8.3	25	3.4	6.9	26	5.7	10	100	12	28
24	1300	5.4	7.4	---	---	---	30	7.0	11	67	9.2	18
25	12	5.2	7.4	15	2.9	7.5	1100	10	16	64	8.7	16
26	280	5.3	7.8	23	3.9	8.5	34	8.4	13	73	9.9	18
27	1100	5.7	70	21	4.2	7.3	770	7.1	18	66	12	19
28	410	6.0	11	23	3.6	7.3	62	8.6	19	55	9.7	21
29	---	---	---	30	4.2	9.3	72	7.5	19	---	---	---
30	---	---	---	33	5.1	8.9	41	10	20	57	7.7	15
31	---	---	---	73	3.6	9.4	50	8.7	18	---	---	---
MAX	---	---	---	---	---	---	1100	10	20	---	---	---
MIN	---	---	---	---	---	---	19	3.9	8.4	---	---	---

OGEECHEE RIVER BASIN
2002-2003 Water Years

02203598 DARIEN RIVER AT US 17, AT DARIEN, GA

LOCATION.—Lat 31°22'02", long 81°26'11" referenced to North American Datum (NAD) of 1927, McIntosh County, Hydrologic Unit 03060204, on downstream side of bridge on US 17, 0.7 mile downstream of Cathead Creek.

DRAINAGE AREA.—Indeterminant.

COOPERATION.—Georgia Department of Transportation.

WATER-STAGE RECORDS

PERIOD OF RECORD.—January 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is approximately 5.00 feet below National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR 2002 WATER YEAR.—Maximum gage-height recorded, 14.38 feet, August 7; minimum gage-height recorded, 3.59 feet, February 27.

EXTREMES FOR 2003 WATER YEAR.—Maximum gage-height recorded, 14.55 feet, April 14; minimum gage-height recorded, 4.09 feet, November 6.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 19, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203598 DARIEN RIVER AT US 17, AT DARIEN, GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312202 LONGITUDE 0812611 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -5.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	11.65	5.69	8.69
20	---	---	---	---	---	---	---	---	---	11.75	5.63	8.55
21	---	---	---	---	---	---	---	---	---	11.83	5.87	8.83
22	---	---	---	---	---	---	---	---	---	11.75	6.32	8.95
23	---	---	---	---	---	---	---	---	---	12.04	5.94	8.96
24	---	---	---	---	---	---	---	---	---	12.01	5.52	---
25	---	---	---	---	---	---	---	---	---	12.09	5.47	---
26	---	---	---	---	---	---	---	---	---	13.05	5.56	9.75
27	---	---	---	---	---	---	---	---	---	13.08	5.44	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	13.04	5.37	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203598 DARIEN RIVER AT US 17, AT DARIEN, GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312202 LONGITUDE 0812611 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -5.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12.88	5.50	---	13.26	4.78	9.54	13.38	5.66	9.73	13.07	5.72	9.44
2	12.69	5.36	---	13.39	6.04	10.06	13.25	6.39	9.94	12.55	5.44	8.75
3	12.95	6.37	9.91	12.83	4.48	9.10	13.05	6.15	9.59	11.96	5.09	8.47
4	12.68	5.32	---	12.50	4.30	8.29	12.27	6.01	9.66	11.93	5.71	9.15
5	12.62	5.93	9.52	12.03	5.22	8.71	12.85	7.63	10.43	12.27	6.67	9.78
6	12.75	6.23	9.83	12.19	5.86	8.98	12.71	7.07	10.19	12.45	6.60	9.81
7	---	---	---	12.16	5.93	9.20	12.68	6.95	10.15	12.20	6.00	9.47
8	---	---	---	12.31	6.01	9.33	12.61	6.43	9.82	12.11	5.35	9.09
9	12.69	5.53	9.61	12.33	5.77	9.15	12.26	5.71	9.30	12.31	5.14	9.00
10	12.78	5.82	9.45	12.21	5.35	8.93	12.43	5.29	9.07	12.43	5.03	8.96
11	12.17	5.37	---	12.60	5.50	9.60	12.82	5.77	9.77	12.79	5.11	9.08
12	---	---	---	12.76	6.07	9.80	12.81	5.95	9.78	12.87	5.33	9.39
13	12.44	5.22	9.05	12.51	5.34	9.27	12.84	5.65	9.59	12.59	4.81	8.92
14	12.77	5.52	9.52	12.37	5.04	8.90	12.74	5.57	9.53	12.89	4.79	8.88
15	12.76	6.37	9.97	12.38	5.10	8.97	12.66	5.42	9.27	12.86	5.64	9.37
16	12.26	5.54	9.27	12.24	4.79	8.77	12.69	5.75	9.25	12.80	5.76	9.37
17	11.97	5.21	8.62	12.35	5.06	8.68	12.64	5.97	9.26	12.71	5.59	9.11
18	12.05	6.14	9.28	12.26	5.50	8.92	12.53	5.90	9.11	12.54	5.29	8.73
19	12.10	6.14	9.15	12.49	5.97	9.23	12.42	5.90	9.03	13.08	7.29	10.34
20	12.18	6.18	9.13	12.56	6.28	9.45	12.23	5.73	8.91	13.15	7.16	10.56
21	11.95	5.82	8.71	12.23	6.42	9.19	12.46	5.97	9.37	13.03	6.67	10.42
22	12.13	5.92	9.03	12.55	6.59	9.82	12.43	5.23	9.27	13.64	7.49	11.19
23	12.41	6.17	9.62	12.66	6.23	9.79	13.18	5.38	10.09	13.71	7.10	10.97
24	13.11	5.92	10.20	12.79	5.44	9.73	13.33	6.46	10.44	13.55	5.50	10.23
25	13.22	5.46	9.94	12.84	5.44	9.60	13.37	5.56	10.06	13.52	4.98	9.81
26	13.33	5.12	9.77	13.02	5.09	9.67	14.06	5.66	10.38	13.58	5.10	9.77
27	12.57	3.59	8.56	13.14	4.82	9.66	13.77	6.30	10.64	13.52	5.81	9.97
28	13.03	3.98	9.15	---	---	---	13.22	4.76	9.75	13.71	6.31	10.11
29	---	---	---	---	---	---	13.01	4.50	8.97	13.70	7.07	10.52
30	---	---	---	13.68	5.93	10.27	13.02	5.62	9.59	13.60	6.89	10.36
31	---	---	---	13.56	5.91	10.13	---	---	---	13.09	6.75	9.99
MONTH	---	---	---	---	---	---	14.06	4.50	9.66	13.71	4.79	9.65

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203598 DARIEN RIVER AT US 17, AT DARIEN, GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312202 LONGITUDE 0812611 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -5.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.67	6.60	9.62	12.05	5.87	9.21	12.53	6.69	9.72	---	---	---
2	12.33	6.25	9.46	12.05	6.11	9.31	12.91	7.15	10.27	---	---	---
3	12.43	6.38	9.84	12.10	6.00	9.25	13.12	7.40	10.48	---	---	---
4	12.65	7.15	10.29	12.25	5.81	9.28	13.01	6.74	10.26	---	---	---
5	12.67	6.79	10.11	12.44	5.92	9.35	13.28	6.58	10.33	---	---	---
6	12.66	6.32	9.85	12.76	6.33	9.59	13.73	6.76	10.63	---	---	---
7	12.81	6.01	9.72	13.14	6.13	9.91	14.38	8.01	11.42	---	---	---
8	13.59	6.92	10.87	12.99	5.75	9.77	14.23	7.41	11.29	---	---	---
9	13.59	7.35	10.73	12.95	5.33	9.42	14.18	6.99	11.06	---	---	---
10	13.46	6.96	10.62	12.93	4.53	9.06	13.84	6.74	10.88	---	---	---
11	13.40	5.99	10.15	13.04	4.27	8.77	13.59	6.37	10.48	---	---	---
12	13.34	5.92	9.99	13.61	5.80	9.74	13.52	6.26	10.18	---	---	---
13	13.23	5.83	9.82	13.51	5.85	9.99	13.17	6.28	10.04	---	---	---
14	13.18	5.79	9.64	13.16	5.02	9.26	13.00	5.97	9.84	---	---	---
15	12.95	5.83	9.48	12.78	5.03	9.03	12.83	5.87	9.69	---	---	---
16	13.13	6.50	9.97	12.62	5.37	9.37	12.70	5.83	9.52	---	---	---
17	13.09	6.57	10.12	12.83	5.68	9.66	---	---	---	---	---	---
18	12.91	6.48	10.12	12.90	5.72	9.79	---	---	---	---	---	---
19	13.25	6.20	10.29	12.92	5.46	9.63	12.79	5.25	9.30	---	---	---
20	13.46	6.08	10.35	12.91	5.03	9.25	12.78	5.73	9.43	---	---	---
21	13.89	6.35	10.55	13.06	5.07	9.33	12.85	5.51	9.37	---	---	---
22	13.54	6.41	10.66	13.10	5.57	9.61	12.89	5.71	9.52	---	---	---
23	13.38	5.45	9.97	12.88	5.14	9.33	12.69	5.74	9.49	---	---	---
24	13.19	5.14	9.59	12.77	5.60	9.23	12.54	5.57	9.24	---	---	---
25	13.05	5.12	9.37	12.74	5.12	9.10	12.55	5.58	9.37	---	---	---
26	12.73	5.21	9.22	12.41	5.39	9.03	12.49	6.07	9.60	---	---	---
27	12.36	5.16	8.81	12.24	5.55	9.01	12.35	6.34	9.63	---	---	---
28	12.10	4.91	8.52	12.08	5.39	8.87	12.32	6.39	9.60	---	---	---
29	11.95	5.13	8.59	12.02	5.39	8.86	12.39	6.54	9.67	---	---	---
30	11.91	5.39	8.78	11.69	5.35	8.73	12.45	6.59	9.78	---	---	---
31	---	---	---	11.99	5.73	9.01	---	---	---	---	---	---
MONTH	13.89	4.91	9.84	13.61	4.27	9.31	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203598 DARIEN RIVER AT US 17, AT DARIEN, GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312202 LONGITUDE 0812611 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -5.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	13.18	6.68	10.46	12.50	4.11	8.96	13.42	5.20	9.65
2	---	---	---	13.36	6.56	10.52	13.15	4.79	9.67	13.10	4.42	9.28
3	---	---	---	13.51	6.44	10.42	13.21	4.86	9.64	12.63	4.36	8.72
4	---	---	---	13.55	5.88	10.24	14.29	5.57	10.68	12.95	4.18	9.17
5	---	---	---	13.84	5.99	10.49	13.75	6.39	10.35	13.04	5.61	9.68
6	---	---	---	12.95	4.09	9.09	13.28	5.44	9.77	12.61	5.31	9.06
7	---	---	---	13.20	4.43	9.36	13.10	5.75	9.62	12.28	5.60	9.02
8	13.86	6.43	10.68	13.20	5.89	9.87	12.71	5.77	9.28	11.54	5.04	8.19
9	13.91	6.91	10.82	13.07	6.46	9.94	12.89	6.34	9.81	11.27	5.46	8.25
10	14.01	7.40	11.04	12.56	6.52	9.56	13.22	8.09	10.75	11.26	5.55	8.36
11	13.31	7.33	10.57	12.16	6.07	9.07	12.66	6.43	9.67	11.49	6.43	8.95
12	13.26	7.13	10.36	11.86	6.12	8.99	11.84	6.28	9.08	11.79	6.87	9.34
13	13.06	7.14	10.31	12.27	6.22	9.13	12.34	5.44	9.59	12.25	5.80	9.32
14	13.67	7.81	11.16	12.35	6.66	9.93	11.57	4.85	8.11	12.13	5.74	9.15
15	14.03	9.37	11.95	12.70	6.66	10.28	11.89	4.85	8.84	12.17	5.45	9.05
16	13.21	8.05	11.03	12.83	6.80	10.12	12.14	5.20	8.82	12.69	5.25	9.41
17	12.94	7.30	10.53	---	---	9.14	12.58	5.00	9.32	12.10	4.58	8.48
18	13.11	7.09	10.52	---	---	---	13.07	5.96	10.05	12.84	4.75	9.17
19	13.06	7.34	10.56	12.66	5.41	9.53	13.08	6.30	9.90	12.27	4.14	8.34
20	12.93	6.87	10.17	13.10	5.84	9.97	12.67	4.76	8.85	11.98	4.16	7.91
21	12.86	6.39	9.99	13.19	6.35	10.08	12.32	4.31	8.41	12.17	4.16	8.03
22	12.87	6.21	10.03	12.69	5.65	9.23	12.33	4.31	8.35	12.73	4.15	8.99
23	13.11	6.87	10.37	12.47	5.23	9.00	12.42	4.41	8.62	12.74	5.06	8.90
24	13.25	7.23	10.62	12.39	5.38	8.93	13.02	5.51	9.46	12.20	4.96	8.64
25	13.21	7.37	10.47	12.42	5.83	9.08	12.35	4.51	8.03	12.18	5.09	8.62
26	12.84	6.98	10.05	12.49	5.92	9.17	12.54	4.87	8.63	12.40	4.97	8.77
27	12.66	6.95	9.79	12.25	5.74	8.90	12.54	5.56	9.17	11.98	5.01	8.71
28	12.70	7.15	9.89	12.63	6.02	9.49	12.34	5.04	9.07	12.66	5.13	9.21
29	12.62	6.72	9.60	12.61	5.35	9.48	12.46	4.58	8.98	12.70	4.75	9.07
30	12.75	6.23	9.75	11.91	4.18	8.45	12.97	4.58	9.54	12.78	4.55	9.10
31	13.04	6.73	10.27	---	---	---	13.23	4.97	9.80	12.90	4.66	9.26
MONTH	---	---	---	---	---	---	14.29	4.11	9.32	13.42	4.14	8.90

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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LATITUDE 312202 LONGITUDE 0812611 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -5.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12.70	4.93	9.02	13.23	5.77	10.22	12.64	6.96	10.01	13.18	6.31	10.02
2	12.62	4.68	8.90	13.24	6.50	10.08	12.42	6.26	9.39	13.06	6.04	9.91
3	12.49	4.54	8.78	13.05	5.90	9.93	12.41	6.05	9.14	12.96	5.65	9.64
4	12.17	4.40	8.42	---	---	---	12.59	6.31	9.34	13.34	6.47	9.94
5	11.84	4.68	8.41	---	---	---	12.39	6.49	9.49	13.23	6.93	10.36
6	12.07	5.83	9.08	---	---	---	12.82	6.88	9.72	13.08	6.26	9.67
7	12.15	5.41	8.74	---	---	---	12.82	7.11	9.99	12.60	6.22	9.16
8	11.11	5.41	8.36	12.47	7.01	9.87	12.44	7.47	10.10	12.34	6.01	8.93
9	11.45	6.21	8.77	12.48	7.36	9.84	12.89	8.06	10.42	12.24	5.77	8.86
10	11.92	5.95	8.55	---	---	---	12.93	6.52	9.91	12.17	5.36	8.86
11	11.79	6.15	8.78	12.35	7.49	9.91	12.65	6.68	9.80	12.24	4.81	8.93
12	11.59	5.42	8.51	12.29	7.13	9.60	12.89	6.39	10.30	12.44	4.31	8.93
13	11.78	5.14	8.48	12.19	6.79	9.64	13.08	6.39	10.29	13.12	4.35	9.30
14	12.02	4.84	8.68	12.54	6.94	10.26	13.36	6.23	10.43	13.62	5.00	9.75
15	12.47	4.52	8.83	13.60	7.94	10.93	13.78	6.29	10.54	13.82	5.18	10.02
16	12.98	4.35	9.43	13.47	6.89	10.63	14.27	6.68	10.82	13.83	4.79	9.86
17	13.37	5.30	9.80	13.89	6.57	10.88	---	---	11.04	13.98	5.30	10.02
18	12.92	4.68	9.30	13.92	7.16	11.00	---	---	---	13.85	6.43	10.46
19	13.12	5.07	9.57	14.19	7.65	11.30	---	---	11.08	13.85	7.33	10.77
20	13.04	5.63	9.69	13.79	7.59	11.15	---	---	---	14.17	7.13	10.87
21	13.14	6.21	10.04	13.77	7.14	10.68	---	---	---	13.59	6.40	10.17
22	13.19	6.06	9.94	13.70	7.18	10.54	---	---	---	12.93	6.48	9.80
23	12.36	4.14	8.15	13.38	7.54	10.44	---	---	---	12.31	5.95	9.47
24	12.37	5.29	8.81	13.21	7.96	10.52	---	---	---	12.58	6.29	9.90
25	12.42	5.45	9.00	13.15	8.14	10.60	---	---	---	12.64	6.37	9.97
26	12.64	6.05	9.90	12.90	7.91	10.48	---	---	---	12.67	5.76	9.63
27	13.35	6.51	10.26	13.00	8.25	11.00	---	---	---	12.62	5.71	9.53
28	12.90	5.77	9.84	13.56	8.67	11.32	---	---	---	12.96	6.11	9.81
29	---	---	---	13.22	8.38	10.89	---	---	---	12.72	5.59	9.50
30	---	---	---	12.85	7.52	10.32	---	---	---	13.01	5.58	9.53
31	---	---	---	12.83	7.12	10.11	---	---	---	12.43	5.07	9.18
MONTH	13.37	4.14	9.07	---	---	---	---	---	---	14.17	4.31	9.70

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203598 DARIEN RIVER AT US 17, AT DARIEN, GA SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312202 LONGITUDE 0812611 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -5.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.89	5.05	8.99	13.18	5.58	9.53	12.80	5.09	9.03	12.94	5.48	9.53
2	13.15	5.94	9.52	12.54	4.81	9.10	12.76	5.46	9.31	12.80	5.37	9.29
3	12.86	6.17	9.71	12.54	4.92	8.69	12.71	5.41	9.32	12.67	5.30	9.16
4	12.82	5.41	9.32	12.50	4.96	8.71	12.49	5.14	8.98	---	---	---
5	12.52	5.54	8.95	12.55	5.31	8.99	12.52	4.71	8.88	---	---	---
6	12.53	6.11	9.40	12.42	5.26	8.97	12.64	4.41	8.81	---	---	---
7	12.81	5.94	9.50	12.34	4.90	8.93	12.81	4.59	8.97	---	---	---
8	12.43	5.62	9.17	12.54	4.44	8.92	13.03	4.73	9.31	---	---	---
9	12.57	4.95	9.39	12.94	4.48	9.21	13.04	4.50	9.22	---	---	---
10	13.15	5.24	9.80	13.17	4.30	9.24	12.96	4.17	8.99	---	---	---
11	13.48	5.13	9.95	13.29	4.17	9.13	13.01	4.72	9.17	---	---	---
12	13.51	4.85	9.83	13.19	4.17	9.08	13.09	5.10	9.36	13.50	7.78	11.06
13	13.53	4.58	9.70	13.33	4.51	9.27	13.06	5.46	9.57	13.09	7.11	10.51
14	13.64	4.70	9.68	13.22	4.76	9.47	12.85	6.02	9.85	12.98	6.54	10.15
15	13.52	4.69	9.60	13.24	5.02	9.50	12.59	5.80	9.61	12.79	6.57	10.01
16	13.41	5.07	9.57	12.84	5.33	9.47	12.48	5.73	9.44	12.87	6.90	10.25
17	13.31	5.86	9.77	12.74	5.45	9.20	12.20	5.53	9.04	13.10	8.48	10.82
18	13.34	6.45	9.94	12.57	5.37	9.14	11.93	5.37	8.79	12.78	7.87	10.35
19	12.96	5.99	9.47	12.23	5.38	8.89	12.30	6.06	9.06	12.16	6.71	9.33
20	12.49	5.47	9.10	12.17	5.45	8.99	12.27	6.32	9.36	12.57	6.72	9.56
21	12.74	5.86	9.79	12.25	5.88	9.09	12.27	6.42	9.34	13.01	6.98	10.16
22	12.73	6.78	10.12	11.69	5.14	8.56	12.28	6.15	9.24	13.09	6.95	10.44
23	12.62	6.52	9.98	11.35	4.84	8.19	12.11	5.82	9.07	13.13	6.12	10.09
24	12.64	6.34	9.81	11.70	5.11	8.39	12.53	5.45	9.06	13.77	6.85	10.74
25	12.68	6.01	9.67	12.28	5.53	8.92	13.04	5.74	9.66	13.91	6.91	10.89
26	12.79	6.01	9.62	12.60	5.32	9.05	13.20	5.36	9.65	13.88	7.14	10.94
27	12.94	5.82	9.55	12.71	5.09	9.08	13.26	5.08	9.61	13.86	7.40	11.06
28	12.97	5.86	9.61	12.68	4.71	8.87	13.15	4.89	9.47	13.73	6.88	10.64
29	12.73	5.53	9.28	12.83	4.72	8.81	13.12	5.38	9.62	13.88	6.61	10.74
30	12.99	5.63	9.40	12.80	4.55	8.74	12.99	5.81	9.78	13.92	7.21	10.91
31	---	---	---	12.85	4.63	8.87	12.89	5.67	9.66	---	---	---
MONTH	13.64	4.58	9.57	13.33	4.17	9.00	13.26	4.17	9.30	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203598 DARIEN RIVER AT US 17, AT DARIEN, GA ESTUARY SOURCE AGENCY USGS STATE 13 COUNTY 191
LATITUDE 312202 LONGITUDE 0812611 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM -5.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.00	0.00	0.00	0.00
2	---	0.00	0.00	0.00	0.00	0.26	0.00	0.09	0.00	0.00	0.00	0.00
3	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0.00
4	---	0.00	0.05	0.00	0.03	---	0.00	0.00	0.69	0.00	0.00	---
5	0.00	0.00	0.00	0.00	0.42	---	0.01	0.01	0.04	0.00	0.00	---
6	---	0.00	0.00	0.00	0.00	---	0.00	0.00	0.31	0.00	0.00	---
7	1.06	0.00	0.00	0.00	0.21	---	0.01	0.04	0.67	0.00	0.00	---
8	0.26	0.00	0.00	0.00	0.00	---	0.01	0.00	0.41	0.00	0.00	---
9	0.49	0.00	0.00	0.00	0.00	---	0.02	0.01	0.00	0.00	0.00	---
10	1.02	0.00	0.00	0.00	0.00	---	0.06	0.02	0.00	0.00	0.00	---
11	0.06	0.00	0.00	0.08	0.00	---	0.01	0.00	0.00	0.00	0.00	---
12	0.00	0.00	0.00	0.00	0.00	---	0.02	0.00	0.52	0.00	0.00	---
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57	0.00	0.00	---
14	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---
15	0.18	0.02	0.00	0.00	0.00	0.00	0.01	0.11	0.00	0.00	0.00	---
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---
17	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	---
18	0.00	---	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	---
19	0.00	---	0.00	0.00	1.18	0.00	---	0.06	0.00	0.00	0.00	---
20	0.01	0.00	0.00	0.00	0.00	0.03	---	0.00	0.00	0.00	0.00	---
21	0.03	0.00	0.00	0.01	0.00	0.00	---	0.00	0.00	0.00	0.00	---
22	0.01	0.00	0.00	0.10	0.00	0.00	---	0.00	0.00	0.00	0.00	---
23	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	---
24	0.35	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	---
25	0.49	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	---
26	0.00	0.00	0.00	0.00	0.00	0.01	---	0.00	0.00	0.00	0.00	---
27	0.00	0.00	0.00	0.00	0.00	0.10	---	0.00	0.00	0.00	0.00	---
28	0.00	0.00	0.00	0.00	0.00	0.00	---	0.22	0.00	0.00	0.00	---
29	0.00	0.00	0.00	0.00	---	0.01	---	0.00	0.00	0.00	0.00	---
30	0.20	0.00	0.00	0.00	---	0.14	---	0.00	0.00	0.00	0.00	---
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	---	---	0.28	0.19	1.84	---	---	0.61	4.79	0.00	0.00	---

ALTAHAHA RIVER BASIN
2003 Water Year

02203603 SOUTH RIVER AT SPRINGDALE DRIVE, AT ATLANTA, GA

LOCATION.—Lat 33°41'02", long 84°24'55" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03070103, at bridge on Springdale Road, 0.2 miles north of Cleveland Avenue, 0.3 miles west of Interstate 85, and 0.9 miles south of Interstates 285.

DRAINAGE AREA.—2.25 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 27, 2003 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
AUG													
27...	1045	9	1.7	81345	8.3	746	8.5	103	4.6	357	24.0	85	21.5
27...	1046	9	1.7	80020	8.3	746	8.5	103	4.6	357	24.0	--	--
27...	1100	9	1.7	81345	11	746	8.5	103	4.6	355	24.0	87	21.8
27...	1101	9	1.7	80020	11	746	8.5	103	4.6	355	24.0	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)
AUG													
27...	7.66	4.51	.6	12.5	23	<1.0	.2d	13.5d	1.2d	19.9	135d	.32	.246
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	7.73	4.64	.6	12.9	23	<1.0	.2d	13.4d	1.2d	20.3	134d	.31	.244
27...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203603 SOUTH RIVER AT SPRINGDALE DRIVE, AT ATLANTA, GA—continued.

Date	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
AUG													
27...	1.69d	1.69d	<.040d	--	<.106	M	2.17	9	<10	1250	42.7	180	100
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	1.68d	1.68d	<.040d	.025	.008	M	2.17	--	--	--	43.7	170	100
27...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Sampler type, code (84164)	Sam-pling method, code (82398)
AUG											
27...	4800	2250	--	--	--	--	--	--	--	3044	10
27...	5480d	2300d	1710d	4.29	<.8	158	13.8	23.4	<.20	3044	10
27...	4940	2280	--	--	--	--	--	--	--	3070	70
27...	5500d	2310d	1600d	4.25	<.8	157	13.8	23.0	<.20	3070	70

Date	Time	Medium code	Instan-taneous dis-charge, cfs (00061)	Agency ana-lyzing sample, code (00028)	Tur-bidity, water, unfltrd field, NTU (61028)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)
AUG													
27...	1040	1	1.7	81350	8.3	20	1.3	6.4	28	8	.4	39	6

Date	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)
AUG													
27...	89	1.5	33	3	.09	150	16	2	<1	34	<100	.030	18

Date	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Sampler type, code (84164)	Sam-pling method, code (82398)
AUG					
27...	290	<100	18	3070	70

Date	Time	Medium code	Instan-taneous dis-charge, cfs (00061)	Agency ana-lyzing sample, code (00028)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)
AUG													
27...	1046	9	1.7	80020	<.5	<.5	<.5	<.5	<2	M	<5	<1	<1

02203603 SOUTH RIVER AT SPRINGDALE DRIVE, AT ATLANTA, GA—continued.

Date	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)
AUG 27...	<5	<1	<2	E.1	E.1	M	M	<.5	M	<2	<2	2	1.4

Date	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)
AUG 27...	E.1	<.5	<1	M	<.5	<2	M	E.2	<.5	E2	M	M	<1

Date	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobornneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)
AUG 27...	M	<.5	E.1	<.5	<.5	<.5	<.5	<.5	<.5	M	<.5	E.1	M

Date	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)
AUG 27...	M	M	.8	<.5	M	E.4	<.5	M	M	<.5	E.1	.7	.8

Date	Tris(dichloroi-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
AUG 27...	E.4	<1.00	3044	10

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded

ALTAHAHA RIVER BASIN
2003 Water Year

02203620 SOUTH RIVER AT MACON DRIVE, AT ATLANTA, GA

LOCATION.—Lat 33°41'02", long 84°24'55" referenced to North American Datum (NAD) of 1983, Dekalb County, Hydrologic Unit Code 03070103, at bridge on Macon Drive, 0.7 miles east of Interstate 75/85, and 0.9 miles north of Cleveland Avenue.

DRAINAGE AREA.—4.80 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 27, 2003 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)
AUG													
27...	0830	9	81345	2.8	746	7.6	91	6.7	253	23.0	75	56	19.1
27...	0831	9	80020	2.8	746	7.6	91	6.7	253	23.0	--	--	--
27...	0920	9	81345	3.0	746	7.6	91	6.7	251	23.0	74	55	18.9
27...	0921	9	80020	3.0	746	7.6	91	6.7	251	23.0	--	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)
AUG													
27...	6.46	3.80	.5	10.8	23	18.5	.1	11.2	.5	21.4	68.8	160	.22
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	6.39	3.79	.5	10.7	23	18.7	.1	11.3	.5	21.1	68.8	159	.22
27...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203620 SOUTH RIVER AT MACON DRIVE, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
AUG													
27...	.15	.119	1.17	1.17d	<.020	<.036	.01	1.40	120	17	25300	50.1	<100
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	.15	.113	1.17	1.17d	<.020	<.142	<.01	1.41	--	--	--	49.1	<100
27...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Sampler type, code (84164)	Sam-pling method, code (82398)
AUG												
27...	90	<50	1070	--	--	--	--	--	--	--	3044	10
27...	--	11	990	606	1.59	<.8	4.6	<.08	9.46	<.20	3044	10
27...	90	<50	1040	--	--	--	--	--	--	--	3070	70
27...	--	11	982	608	1.55	<.8	4.6	<.08	9.56	<.20	3070	70

Date	Time	Medium code	Agency ana-lyzing sample, code (00028)	Tur-bidity, water, unfltrd field, NTU (61028)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)
AUG													
27...	0925	1	81350	3.0	9.2	2.8	14	310	18	8.8	190	130	1300

Date	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)
AUG													
27...	7.7	260	20	--o	23	120	2	<2	51	<100	.300	97	5300

Date	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Sampler type, code (84164)	Sam-pling method, code (82398)
AUG				
27...	<100	2	3070	70

Date	Time	Medium code	Agency ana-lyzing sample, code (00028)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)
AUG													
27...	0831	9	80020	<.5	<.5	<.5	<.5	<2	M	<5	<1	<1	<5

02203620 SOUTH RIVER AT MACON DRIVE, AT ATLANTA, GA—continued.

Date	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)
AUG 27...	<1	<2	E.1	<.5	M	M	<.5	M	<2	<2	M	1.2	E.1

Date	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)
AUG 27...	<.5	<1	M	<.5	<2	M	E.2	<.5	E2	M	M	M	M

Date	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)
AUG 27...	M	M	<.5	<.5	<.5	<.5	<.5	<.5	M	<.5	E.1	M	M

Date	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloroi-Pr) phosphate, wat flt ug/L (62088)
AUG 27...	M	E.3	<.5	M	M	<.5	M	M	<.5	E.1	E.3	E.2	E.4

Date	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
AUG 27...	<1.00	3044	10

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded

Null value qualifier codes used in this report:
o -- Insufficient amount of water

ALTAMAHA RIVER BASIN
2003 Water Year

02203622 SOUTH RIVER TRIBUTARY AT JOYLAND STREET, AT ATLANTA, GA

LOCATION.—Lat 33°42’51”, long 84°23’51” referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03070103, at culvert on Joyland Street, 0.1 miles east of Interstate 75-85, and 0.8 miles west of GA 54.

DRAINAGE AREA.—1.15 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 14, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
MAY													
07...	1254	81350	--	--	--	--	--	--	--	--	--	--	--
07...	1254	81345	18	741	6.4	72	6.8	345	19.5	120	44	35.0	7.05
07...	1255	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	0930	81345	21	740	7.2	83	6.9	258	21.0	89	16	25.4	6.17
14...	0931	80020	--	--	--	--	--	--	--	--	--	--	--
14...	0932	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	6.22	.6	13.8	19	72.6	.2	23.3	<.02	15.7	57.7	214	.29	.65
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	4.55	.5	10.1	19	73.4	.1	13.0	<.1	15.6	25.1	153	.21	.24
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203622 SOUTH RIVER TRIBUTARY AT JOYLAND STREET, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	.506	2.24	2.24d	<.020	.144	.05	.02	4.54	--c	180	--c	64.8	450
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	.183	1.74	1.74d	<.100	.202	.066	.01	2.10	560	2000	57900	70.2	<100
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	3.9	7.6	27
07...	30	53	370	--	--	--	--	--	--	--	--	--	--
07...	--	6	315	450	1.13	<.8	3.4	E.08n	14.6	<.20	--	--	--
JUL													
14...	120	<50	400	--	--	--	--	--	--	--	--	--	--
14...	--	E2n	364	34	.13	<.8	.9	.10	2.28	<.20	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
MAY													
07...	450	2	18	440	13	400	15	710	11	560	.54	7	83
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)
MAY													
07...	2	<.5	68	<50	.170	85	5800	<50	13	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	10	M	M	600

02203622 SOUTH RIVER TRIBUTARY AT JOYLAND STREET, AT ATLANTA, GA—continued.

Date	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	3	2	95	28	220	7.1	340	35	940	.24	3	67	.7

Date	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	E.6	E.1	E.1	E.2	<2	M	<5
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	E.4	E.1	<.5	E.1	<2	M	<5
14...	1	82	.770	160	<50	550	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	<1	<1	E1	M	M	E.1	E.4	E.2	M	<.5	E.2	<2	<2
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<1	<1	E1	M	<2	E.1	<.5	M	M	<.5	<.5	<2	<2
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	M	.7	2.0	<.5	<1	M	<.5	<2	M	.7	<.5	E3	M
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	M	.9	E.1	M	<1	<.5	<.5	M	<1	E.3	<.5	E4	M
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203622 SOUTH RIVER TRIBUTARY AT JOYLAND STREET, AT ATLANTA, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	E.1	<1	M	E.1	E.2	<.5	<.5	<.5	<.5	.9	<.5	E.3	<.5
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.5	<1	M	M	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributylphosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenylphosphate, water, fltrd, ug/L (62092)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	E.2	2	M	E.1	4.2	<.5	M	E8.0	<.5	E.1	M	E.1	E.1
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	E.2	M	<2	M	1.1	<.5	M	E5.3	<.5	E.1	<1	<.5	M
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
MAY						
07...	--	--	--	--	3070	10
07...	--	--	--	--	3070	10
07...	.8	E.1	E.1	<1.00	3070	10
JUL						
14...	--	--	--	--	3070	10
14...	.5	E.1	E.1	<1.00	3070	--
14...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
n -- Below the NDV

Null value qualifier codes used in this report:
c -- Sample lost in lab

ALTAMAHA RIVER BASIN
2003 Water Year

02203623 TRIBUTARY TO SOUTH RIVER TRIBUTARY, AT PRYOR ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°42’14”, long 84°23’56” referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03070103, at culvert on Pryor Road, 0.2 miles east of Interstate 75-85, and 0.4 miles north of GA 166.

DRAINAGE AREA.—0.24 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to August 14, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)
MAY													
07...	1200	1	81350	--	--	--	--	--	--	--	--	--	--
07...	1200	9	80020	--	--	--	--	--	--	--	--	--	--
07...	1201	9	81345	11	746	6.6	74	6.9	251	19.5	88	19	25.7
JUL													
14...	1115	9	81345	3.7	740	7.5	90	7.0	188	23.0	68	16	19.6
14...	1116	9	80020	--	--	--	--	--	--	--	--	--	--
14...	1117	H	81350	--	--	--	--	--	--	--	--	--	--
AUG													
14...	1100	H	81350	--	--	--	--	--	--	--	--	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	5.62	5.22	.4	9.00	17	69	<.02	8.80	<.02	13.3	30.2	148	.20
JUL													
14...	4.55	3.61	.5	8.90	21	52	<.1	11.0	.2	14.8	15.3	114	.16
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203623 TRIBUTARY TO SOUTH RIVER TRIBUTARY, AT PRYOR ROAD, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	.45	.348	1.71	1.71d	<.020	.083	.03	.01	2.55	1500	2000	63100	68.7
JUL													
14...	.21	.161	1.02	1.02d	<.100	--	<.066	.01	1.30	730	1200	51700	59.0
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	8.0	4.3
07...	--	--	6	150	32	.15	<.8	3.1	.62	3.63	<.20	--	--
07...	240	90	<50	169	--	--	--	--	--	--	--	--	--
JUL													
14...	100	80	<50	210	--	--	--	--	--	--	--	--	--
14...	--	--	2	185	14	.07	<.8	1.3	.25	1.49	<.20	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)
MAY													
07...	13	500	2	4.6	530	99	140	7.0	210	21	7900	--o	50
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203623 TRIBUTARY TO SOUTH RIVER TRIBUTARY, AT PRYOR ROAD, AT ATLANTA, GA—continued.

Date	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)
MAY													
07...	330	1	2	77	<50	.420	120	860	<50	3	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	<50	10	M
AUG													
14...	--	--	--	--	--	--	--	--	--	--	<50	10	20

Date	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	M	550	2	4	120	30	220	7.4	320	32	2100	.18	6
AUG													
14...	M	540	2	2	160	28	310	7.6	440	35	1300	.28	8

Date	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	E.1	<.5	<.5	<.5	M	<1
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M
14...	85	.9	2	69	.765	150	610	--	--	--	--	--	--
AUG													
14...	95	.9	7	68	.700	170	640	--	--	--	--	--	--

Date	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	<5	<1	<1	E1	<1	M	E.1	<.5	<.5	M	<.5	<.5	E2
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<5	<1	<1	<5	<1	<2	E.1	E.1	M	M	<.5	<.5	<2
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203623 TRIBUTARY TO SOUTH RIVER TRIBUTARY, AT PRYOR ROAD, AT ATLANTA, GA—continued.

Date	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	E2	M	.6	E.1	<.5	<1	<.5	<.5	E2	<1	E.1	<.5	E4
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<2	M	.5	E.2	E.1	<1	<.5	<.5	<2	<1	E.4	<.5	<5
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	M	<.5	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<1	<.5	<1	M	M	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	<.5	<.5	<1	<2	<.5	E.2	<.5	M	E.1	<.5	E.1	<1	<.5
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.5	<.5	M	<2	M	E.2	<.5	M	M	M	E.1	<1	<.5
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203623 TRIBUTARY TO SOUTH RIVER TRIBUTARY, AT PRYOR ROAD, AT ATLANTA, GA—continued.

Date	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
MAY							
07...	--	--	--	--	--	3070	10
07...	E.1	E.5	E.1	E.1	<1.00	3070	10
07...	--	--	--	--	--	3070	10
JUL							
14...	--	--	--	--	--	3070	10
14...	M	.6	E.1	E.1	<1.00	3070	10
14...	--	--	--	--	--	3070	70
AUG							
14...	--	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded

Null value qualifier codes used in this report:
o -- Insufficient amount of water

ALTAMAHA RIVER BASIN
2003 Water Year

02203628 SOUTH RIVER TRIBUTARY, AT CLEVELAND AVENUE, AT ATLANTA, GA

LOCATION.—Lat 33°40'54", long 84°22'14" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03070103, at culvert on Cleveland Avenue, 0.2 miles upstream of South River, and 0.2 miles west of GA 54.

DRAINAGE AREA.—2.95 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 14, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
MAY													
06...	1030	81350	--	--	--	--	--	--	--	--	--	--	--
06...	1030	80020	--	--	--	--	--	--	--	--	--	--	--
06...	1031	81345	71	--	6.2	--	6.5	87	18.0	29	9	7.64	2.38
JUL													
14...	1300	81345	4.8	740	8.0	94	7.2	153	22.0	50	6	12.2	4.68
14...	1301	80020	--	--	--	--	--	--	--	--	--	--	--
14...	1302	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	3.37	.3	3.38	18	20.1	<.02	2.71	<.02	11.7	7.7	55	.07	.08
JUL													
14...	2.40	.5	7.32	23	44.3	<.1	7.87	<.1	23.4	11.9	101	.14	.08
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203628 SOUTH RIVER TRIBUTARY, AT CLEVELAND AVENUE, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	.059	.67	.670d	<.020	.043	.01	.02	1.51	5200	12600k	199000	39.2	150
JUL													
14...	.066	.87	.870d	<.100	--	<.064	.01	1.00	350	680	1450	36.2	<100
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	13	.8	7.6
06...	--	22	113	11	.04	<.8	2.8	.32	.88	<.20	--	--	--
06...	40	72	127	--	--	--	--	--	--	--	--	--	--
JUL													
14...	50	<50	310	--	--	--	--	--	--	--	--	--	--
14...	--	E1n	322	5	E.02n	<.8	.8	<.08	.55	<.20	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
MAY													
06...	410	2	1.2	82	38	77	6.5	84	47	3000	.14	3	46
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
MAY													
06...	1	<.5	39	<50	.380	180	300	<50	36	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	<50	10	M	M

02203628 SOUTH RIVER TRIBUTARY, AT CLEVELAND AVENUE, AT ATLANTA, GA—continued.

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	470	3	M	85	35	65	7.4	82	26	3000	.08	1	29

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1	<5
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M	<5
14...	.7	<.5	71	.510	210	260	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<1	<1	E1	M	<2	E.1	<.5	<.5	M	<.5	<.5	<2	<2
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<1	<1	<5	<1	<2	<.5	<.5	M	<.5	<.5	<.5	<2	<2
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<1	.5	E.1	<.5	M	<.5	<.5	<2	<1	E.1	E.1	E2	M
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<1	.6	M	M	<1	<.5	<.5	<2	<1	E.1	<.5	<5	<1
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203628 SOUTH RIVER TRIBUTARY, AT CLEVELAND AVENUE, AT ATLANTA, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<.5	<1	<2	<.5	E.2	<.5	M	<.5	<.5	E.1	<1	<.5	E.1
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.5	M	<2	<.5	E.2	<.5	<.5	<.5	<.5	E.1	<1	<.5	<.5
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
MAY						
06...	--	--	--	--	3070	10
06...	E.3	E.1	E.1	<1.00	3070	10
06...	--	--	--	--	3070	10
JUL						
14...	--	--	--	--	3070	10
14...	E.2	M	E.1	<1.00	3070	10
14...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the NDV

02203650 POOLE CREEK AT JONESBORO ROAD, NEAR HAPEVILLE, GA

LOCATION.—Lat 33°39'22", long 84°22'09" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03070103, at culvert on Jonesboro Road, 2.0 miles upstream of South River, and 0.2 miles west of Interstate 285.

DRAINAGE AREA.—4.22 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 14, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
MAY													
06...	1230	81350	--	--	--	--	--	--	--	--	--	--	--
06...	1230	80020	--	--	--	--	--	--	--	--	--	--	--
06...	1231	81345	90	748	7.1	79	6.5	87	19.5	30	10	8.12	2.25
JUL													
14...	0930	81345	23	740	5.6	65	6.9	234	21.0	44	--	10.7	4.08
14...	0931	80020	--	--	--	--	--	--	--	--	--	--	--
14...	0932	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	2.80	.3	3.77	20	19.6	<.02	3.15	<.02	10.1	9.5	56	.08	.12
JUL													
14...	3.98	2	25.6	53	47.6	<.1	24.7	.4	24.0	17.5	144	.20	.53
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203650 POOLE CREEK AT JONESBORO ROAD, NEAR HAPEVILLE, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	.093	.61	.880d	.270	.129	.04	.02	1.29	5000	8400	130000	36.8	200
JUL													
14...	.411	.75	.750d	<.100	--	<.046	.15	1.95	100000	60000	>242000k	37.2	480
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	13	.5	6.6
06...	--	29	87.3	11	E.02n	<.8	2.1	.45	.97	<.20	--	--	--
06...	40	105	<100	--	--	--	--	--	--	--	--	--	--
JUL													
14...	60	<50	280	--	--	--	--	--	--	--	--	--	--
14...	--	19	268	38	.06	E.5n	3.6	5.96	1.70	<.20	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
MAY													
06...	410	4	1.0	99	29	62	6.1	60	88	1600	.14	2	51
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
MAY													
06...	M	<.5	42	<50	.430	160	280	<50	56	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	<50	10	M	M

02203650 POOLE CREEK AT JONESBORO ROAD, NEAR HAPEVILLE, GA—continued.

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	520	3	M	91	32	55	5.7	73	50	1600	.04	M	41

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	<.5	<.5	<.5	M	<2	<1	<5
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	E.2	E.1	E.1	E.1	3	M	<5
14...	.6	<.5	72	.790	150	240	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<1	<1	E1	<1	<2	E.1	<.5	<.5	E.1	<.5	<.5	<2	<2
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<1	<1	E10	M	<2	<.5	.6	E.3	M	<.5	.9	E2	M
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	M	.5	E.1	<.5	<1	<.5	<.5	<2	<1	E.1	<.5	E2	M
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	M	.8	1.6	1.8	<1	<.5	<.5	E6	M	2.4	<.5	E48	M
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203650 POOLE CREEK AT JONESBORO ROAD, NEAR HAPEVILLE, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<.5	M	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	E1.5	M	M	E.1	<.5	.8	<.5	M	<.5	<.5	<.5	<.5	<.5
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<.5	M	M	<.5	E.3	<.5	M	<.5	<.5	E.1	<1	<.5	E.1
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	E.1	M	<2	M	1.0	<.5	M	M	<.5	.5	M	<.5	E.1
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
MAY						
06...	--	--	--	--	3070	10
06...	E.3	E.1	E.1	<1.00	3070	10
06...	--	--	--	--	3070	10
JUL						
14...	--	--	--	--	3044	10
14...	6.0	E.1	E.2	<1.00	3044	10
14...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the NDV

02203652 POOLE CREEK TRIBUTARY AT CONLEY ROAD, NEAR HAPEVILLE, GA

LOCATION.—Lat 33°39'00", long 84°21'37" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03070103, at culvert on Conley Road, 0.8 miles upstream of Poole Creek, and 0.3 miles east of GA 54.

DRAINAGE AREA.—0.35 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 14, 2003

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
MAY													
06...	0915	81350	--	--	--	--	--	--	--	--	--	--	--
06...	0915	80020	--	--	--	--	--	--	--	--	--	--	--
06...	0916	81345	45	--	6.7	--	6.9	422	18.0	160	56	43.4	11.3
JUL													
14...	1145	81345	11	740	5.4	64	6.8	175	22.0	57	--	17.1	3.49
14...	1146	80020	--	--	--	--	--	--	--	--	--	--	--
14...	1147	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	7.44	.3	9.05	11	99.0	<.02	6.41	<.02	14.1	99.0	264	.36	.62
JUL													
14...	3.32	.6	9.81	26	59.7	<.1	5.45	.1	15.0	12.6	107	.15	.76
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203652 POOLE CREEK TRIBUTARY AT CONLEY ROAD, NEAR HAPEVILLE, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	.478	1.43	2.81d	1.38	.126	.04	.01	2.64	11000	11600	>242000k	70.2	220
JUL													
14...	.591	.67	.670d	<.100	--	<.022	.04	1.66	990	3300	>242000k	35.8	410
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	12	1.5	10
06...	--	7	448	81	.05	E.5n	2.1	.34	5.60	<.20	--	--	--
06...	180	56	539	--	--	--	--	--	--	--	--	--	--
JUL													
14...	80	<50	270	--	--	--	--	--	--	--	--	--	--
14...	--	15	268	15	E.03n	<.8	1.5	1.17	2.18	<.20	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
MAY													
06...	350	3	3.0	190	46	120	8.1	110	60	2500	.21	6	110
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
MAY													
06...	1	<.5	65	<50	.380	140	1100	<50	18	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	<50	9.8	M	M

02203652 POOLE CREEK TRIBUTARY AT CONLEY ROAD, NEAR HAPEVILLE, GA—continued.

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	550	4	M	110	28	58	5.8	79	38	4200	.07	1	61

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	M	M	<5
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	<.5	M	<.5	E.1	E1	M	<5
14...	.6	<.5	150	.610	140	310	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<1	<1	E1	<1	<2	E.1	<.5	E.2	E.1	<.5	<.5	<2	M
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<1	<1	E2	M	<2	E.1	E.2	E.3	M	<.5	E.1	E1	M
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	M	<.5	.7	E.1	<1	E.1	<.5	M	M	E.3	<.5	E3	M
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	M	<.5	E.5	E.2	<1	E.1	<.5	E3	M	1.8	<.5	E6	M
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203652 POOLE CREEK TRIBUTARY AT CONLEY ROAD, NEAR HAPEVILLE, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<.5	M	E.1	E.1	<.5	<.5	<.5	<.5	<.5	E.1	<.5	M	<.5
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.5	M	E.1	E.1	<.5	<.5	<.5	M	<.5	E.1	<.5	<.5	<.5
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	E.1	M	<2	E.1	<.5	<.5	M	M	<.5	E.1	M	<.5	E.1
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	E.1	M	M	E.1	E.5	<.5	E.1	E.1	<.5	E.2	M	E.1	E.1
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
MAY						
06...	--	--	--	--	3070	10
06...	E.4	E.2	E.2	<1.00	3070	10
06...	--	--	--	--	3070	10
JUL						
14...	--	--	--	--	3070	10
14...	1.2	1.8	1.5	<1.00	3070	10
14...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the NDV

02203653 TRIBUTARY TO POOLE CREEK TRIBUTARY AT FOREST PARK ROAD, NEAR HAPEVILLE, GA

LOCATION.—Lat 33°39'10", long 84°21'26" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03070103, at culvert on Forest Park Road , 0.3 miles upstream of Poole Creek Tributary, and 0.6 miles east of GA 54.

DRAINAGE AREA.—0.66 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 14, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
MAY													
06...	1030	81350	--	--	--	--	--	--	--	--	--	--	--
06...	1030	80020	--	--	--	--	--	--	--	--	--	--	--
06...	1031	81345	50	746	7.2	77	6.3	72	17.5	31	15	6.63	3.50
JUL													
14...	1045	81345	4.3	740	6.7	76	6.9	199	20.0	90	3	16.9	11.5
14...	1046	80020	--	--	--	--	--	--	--	--	--	--	--
14...	1047	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	1.21	.2	2.02	12	16.1	<.02	1.44	<.02	11.5	10.3	48	.07	.05
JUL													
14...	1.27	.3	6.74	14	87.3	<.1	3.93	.1	37.9	7.3	140	.19	.02
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203653 TRIBUTARY TO POOLE CREEK TRIBUTARY AT FOREST PARK ROAD, NEAR HAPEVILLE, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	.041	.28	.340d	.060	.129	.04	.02	1.24	2500	4600	81600	30.8	270
JUL													
14...	.018	.29	.290d	<.100	--	<.020	.02	.37	400	400	23600	43.9	170
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	10	.3	3.0
06...	--	88	71.3	11	E.04n	1.1	2.5	.16	4.14	<.20	--	--	--
06...	40	141	<100	--	--	--	--	--	--	--	--	--	--
JUL													
14...	140	<50	280	--	--	--	--	--	--	--	--	--	--
14...	--	2	254	2	<.04	E.4n	.4	<.08	1.59	<.20	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
MAY													
06...	320	2	1.3	270	67	61	6.6	29	33	2000	.15	5	200
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
MAY													
06...	M	<.5	92	<50	.440	160	210	<50	25	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	<50	8.2	M	M

02203653 TRIBUTARY TO POOLE CREEK TRIBUTARY AT FOREST PARK ROAD, NEAR HAPEVILLE, GA—continued.

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	360	1	M	230	59	44	7.6	23	23	2300	.04	<1	140

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	<.5	M	M	M	<2	<1	<5
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1	<5
14...	.4	<.5	130	1.0	190	150	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<1	.8	E.1	<.5	<1	<.5	<.5	<2	<1	E.1	<.5	<5	<1
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<1	<.5	<.5	M	<1	<.5	<.5	<2	<1	E.1	<.5	E3	<1
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203653 TRIBUTARY TO POOLE CREEK TRIBUTARY AT FOREST PARK ROAD, NEAR HAPEVILLE, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<.5	<1	<.5	<.5	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<.5	M	<2	M	E.4	<.5	<.5	<.5	<.5	M	<1	<.5	E.1
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.5	M	<2	<.5	1.1	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
MAY						
06...	--	--	--	--	3070	10
06...	E.2	<.5	<.5	<1.00	3070	10
06...	--	--	--	--	3070	10
JUL						
14...	--	--	--	--	3070	10
14...	<.5	<.5	<.5	<1.00	3070	10
14...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
n -- Below the NDV

ALTAMAHA RIVER BASIN
2003 Water Year

02203654 POOLE CREEK AT HUTCHENS ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°40'05", long 84°21'53" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03070103, at bridge on Hutchens Road, 0.9 miles upstream of South River, and 0.5 miles east of GA 54.

DRAINAGE AREA.—6.36 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to August 14, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
MAY													
06...	1800	81350	--	--	--	--	--	--	--	--	--	--	--
06...	1800	80020	--	--	--	--	--	--	--	--	--	--	--
06...	1801	81345	400	746	6.6	73	6.0	34	19.5	12	4	3.35	.99
JUL													
14...	0800	81345	10	740	5.8	68	6.9	151	22.0	44	--	10.8	4.17
14...	0801	80020	--	--	--	--	--	--	--	--	--	--	--
14...	0802	81350	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	1415	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	2.03	.2	1.70	20	8.7	<.02	1.30	<.02	3.71	4.6	25	.03	.13
JUL													
14...	2.48	.6	9.72	31	59.6	<.1	9.36	.1	20.3	8.6	105	.14	.50
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203654 POOLE CREEK AT HUTCHENS ROAD, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	.098	.26	.260d	<.020	.172	.06	.01	1.08	23000	2250k	649000	17.1	200
JUL													
14...	.390	.50	.500d	<.100	--	<.074	.03	1.08	2600	4270	54800	33.6	400
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	12	.8	4.8
06...	--	72	58.6	9	E.02n	<.8	2.8	.69	1.12	<.20	--	--	--
06...	20	94	<100	--	--	--	--	--	--	--	--	--	--
JUL													
14...	60	<50	410	--	--	--	--	--	--	--	--	--	--
14...	--	4	406	4	<.04	<.8	1.0	.22	1.07	<.20	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
MAY													
06...	370	3	.9	100	26	65	5.7	74	83	970	.10	1	56
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
MAY													
06...	M	<.5	43	<50	.400	150	240	<50	400	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	<100	6.5	M	M
AUG													
14...	--	--	--	--	--	--	--	--	--	<50	10	M	M

02203654 POOLE CREEK AT HUTCHENS ROAD, AT ATLANTA, GA—continued.

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	370	2	M	87	50	43	4.1	51	24	2200	--o	6	47
AUG													
14...	570	4	M	150	60	57	8.0	100	43	11000	.13	1	49

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1	<5
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	E.1	<.5	<.5	<.5	<2	<1	<5
14...	.6	<1	100	.520	110	210	--	--	--	--	--	--	--
AUG													
14...	.8	<.5	90	.550	210	430	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<1	<1	E1	<1	M	E.1	<.5	E.1	<.5	<.5	<.5	<2	<2
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<1	<1	E2	M	<2	<.5	<.5	E.1	<.5	<.5	E.3	<2	<2
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<1	.5	E.1	<.5	<1	M	<.5	<2	<1	E.1	<.5	<5	<1
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	M	.7	E.3	M	<1	<.5	<.5	E1	M	.5	<.5	E5	M
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203654 POOLE CREEK AT HUTCHENS ROAD, AT ATLANTA, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<.5	<1	M	<.5	M	<.5	<.5	<.5	<.5	<.5	<.5	M	<.5
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.5	<1	<.5	M	<.5	<.5	<.5	<.5	<.5	E.1	<.5	<.5	<.5
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributylphosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenylphosphate, water, fltrd, ug/L (62092)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<.5	M	<2	<.5	<.5	<.5	M	<.5	<.5	E.1	<1	<.5	E.1
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.5	<1	<2	<.5	E.3	<.5	<.5	<.5	<.5	E.1	M	E.1	M
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
MAY						
06...	--	--	--	--	3070	10
06...	E.4	E.1	E.1	<1.00	3070	10
06...	--	--	--	--	3070	10
JUL						
14...	--	--	--	--	3070	10
14...	1.0	E.2	E.1	<1.00	3070	10
14...	--	--	--	--	3070	70
AUG						
14...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the NDV

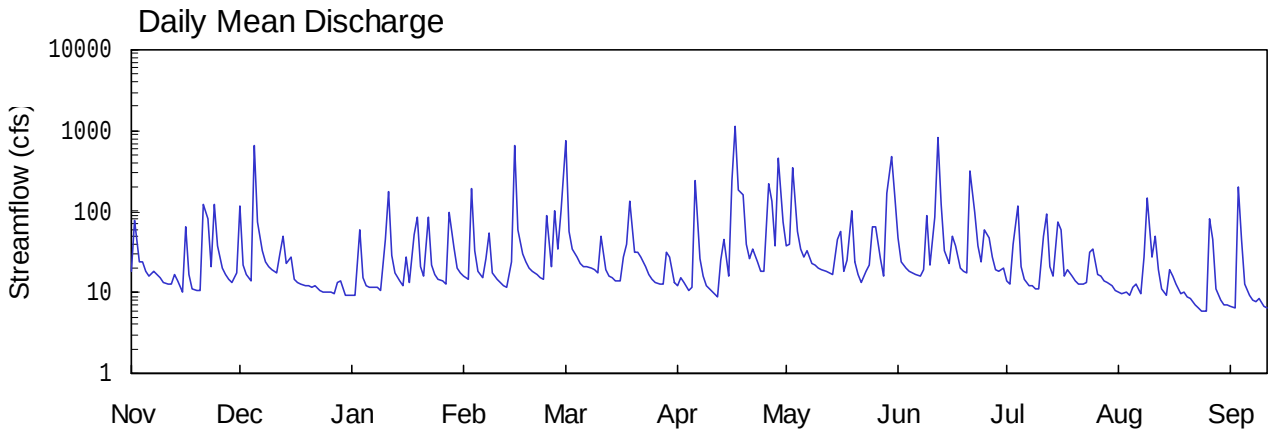
Null value qualifier codes used in this report:
o -- Insufficient amount of water

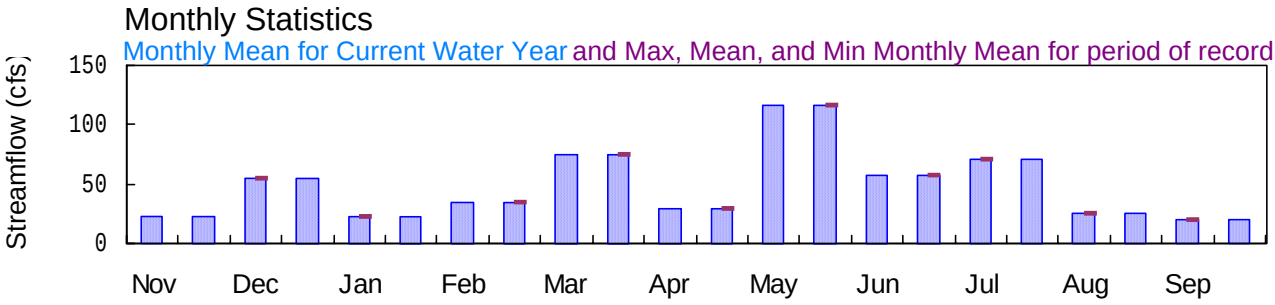
2003 Water Year

02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA

Latitude: 33°40'44" Longitude: 084°21'29" Hydrologic Unit Code: 03070103 Fulton County

Drainage Area: 22.5 mi^2 Datum: 890.0 feet





NO PHOTOS AVAILABLE FOR THIS SITE

ALTAMAHA RIVER BASIN
2003 Water Year

02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°40'44", long 84°21'29" referenced to North American Datum (NAD) of 1927, Hydrologic Unit 03070103, Fulton County, on right upstream bank of Forest Park Road, 0.05 miles downstream of Poole Creek, 0.4 miles upstream of South River Tributary and 1.7 miles upstream of Intrenchment Creek.

DRAINAGE AREA.—22.5 square miles, approximately.

COOPERATION.—City of Atlanta.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 20, 2002 to September 30, 2003.

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 890.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for periods of estimated discharges, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 20, 2002 to September 30, 2003.

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 890.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.89 feet, May 6; minimum gage-height recorded, 2.78 feet, September 12-14, 21.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 20, 2002 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5* CONTRIBUTING DRAINAGE AREA DATUM

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	13	49	18	14	16	8.8	18	813	21	11
2	---	---	16	23	14	13	15	25	17	120	16	9.2
3	---	---	14	27	12	12	14	45	45	33	75	19
4	---	---	10	15	27	11	14	16	57	23	59	16
5	---	---	65	13	13	24	27	239	18	50	16	13
6	---	---	17	13	51	666	40	1160	25	37	19	9.6
7	---	---	11	12	85	59	135	185	102	20	16	10
8	---	---	10	12	21	30	32	162	24	18	14	8.7
9	---	---	11	12	16	24	32	40	17	17	13	8.3
10	---	---	125	12	86	20	27	26	13	311	13	7.1
11	---	---	81	10	22	18	21	35	18	98	13	6.4
12	---	---	21	9.9	17	17	17	24	21	37	31	6.0
13	---	---	123	10	14	15	14	18	64	24	35	6.0
14	---	---	38	9.9	14	15	13	18	65	58	17	82
15	---	---	20	9.7	13	88	13	225	27	48	16	44
16	---	---	17	13	99	21	13	137	16	27	14	11
17	---	---	14	14	36	102	31	37	172	19	13	8.2
18	---	---	13	9.2	20	34	27	454	489	18	12	7.2
19	---	---	17	9.3	17	102	13	76	151	20	11	7.1
20	---	18	120	9.4	16	749	12	37	46	14	10	6.7
21	---	79	22	9.4	15	56	15	39	24	13	9.7	6.5
22	---	24	16	59	189	34	13	343	20	40	10	201
23	---	24	14	15	32	27	11	58	18	119	9.4	45
24	---	18	670	12	19	23	11	34	17	21	11	12
25	---	16	75	12	15	21	243	27	17	15	13	9.2
26	---	18	33	11	26	21	26	33	16	e12	9.6	8.1
27	---	17	24	12	55	20	16	23	19	e12	28	7.7
28	---	15	21	10	18	19	12	22	89	e11	149	8.6
29	---	13	19	46	---	18	11	20	22	e11	28	6.6
30	---	13	17	179	---	50	9.6	19	86	e50	50	6.5
31	---	---	30	29	---	19	---	18	---	93	19	---
TOTAL	---	---	1697	686.8	980	2342	893.6	3603.8	1733	2202	770.7	607.7
MEAN	---	---	54.7	22.2	35.0	75.5	29.8	116	57.8	71.0	24.9	20.3
MAX	---	---	670	179	189	749	243	1160	489	813	149	201
MIN	---	---	10	9.2	12	11	9.6	8.8	13	11	9.4	6.0
MED	---	---	19	12	18	21	15	35	23	24	16	8.7
AC-FT	---	---	3370	1360	1940	4650	1770	7150	3440	4370	1530	1210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2003, BY WATER YEAR (WY)

MEAN	---	---	54.7	22.2	35.0	75.5	29.8	116	57.8	71.0	24.9	20.3
MAX	---	---	54.7	22.2	35.0	75.5	29.8	116	57.8	71.0	24.9	20.3
(WY)	---	---	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	---	---	54.7	22.2	35.0	75.5	29.8	116	57.8	71.0	24.9	20.3
(WY)	---	---	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5* CONTRIBUTING DRAINAGE AREA DATUM

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	2.94	3.39	3.04	3.00	3.02	2.90	2.98	7.42	3.11	2.92
2	---	---	3.00	3.10	2.99	2.98	3.00	3.08	2.97	3.93	3.04	2.88
3	---	---	2.96	3.16	2.96	2.96	2.99	3.35	3.28	3.18	3.58	3.01
4	---	---	2.89	3.00	3.15	2.95	2.99	3.02	3.42	3.06	3.47	2.98
5	---	---	3.48	2.98	2.98	3.07	3.15	4.37	3.00	3.30	3.03	2.94
6	---	---	3.00	2.97	3.32	6.99	3.26	8.96	3.07	3.18	3.07	2.88
7	---	---	2.92	2.96	3.68	3.49	4.05	4.43	3.79	2.98	3.02	2.88
8	---	---	2.90	2.96	3.09	3.21	3.23	4.22	3.08	2.94	2.99	2.87
9	---	---	2.91	2.95	3.02	3.13	3.23	3.27	2.99	2.91	2.97	2.87
10	---	---	3.78	2.96	3.70	3.08	3.18	3.13	2.94	4.72	2.96	2.86
11	---	---	3.61	2.93	3.11	3.05	3.09	3.21	3.01	3.71	2.97	2.83
12	---	---	3.05	2.92	3.03	3.03	3.03	3.09	3.07	3.18	3.15	2.81
13	---	---	3.95	2.93	3.00	3.01	3.00	3.01	3.45	3.05	3.24	2.81
14	---	---	3.22	2.92	2.99	3.00	2.98	3.01	3.52	3.37	3.02	3.41
15	---	---	3.03	2.92	2.97	3.70	2.97	4.55	3.17	3.34	3.00	3.31
16	---	---	2.98	2.97	3.79	3.09	2.97	4.03	3.03	3.12	2.97	2.92
17	---	---	2.95	2.99	3.26	3.77	3.16	3.24	4.27	3.00	2.94	2.87
18	---	---	2.93	2.91	3.07	3.25	3.16	6.00	6.20	2.98	2.92	2.84
19	---	---	2.97	2.91	3.04	3.71	2.98	3.62	4.20	3.00	2.93	2.84
20	---	3.01	3.85	2.91	3.02	6.99	2.96	3.24	3.35	2.92	2.89	2.83
21	---	3.63	3.04	2.91	3.00	3.47	3.01	3.26	3.11	2.90	2.88	2.82
22	---	3.10	2.97	3.47	4.38	3.25	2.98	5.41	3.05	3.19	2.89	4.20
23	---	3.11	2.94	3.01	3.23	3.17	2.94	3.44	3.01	3.89	2.90	3.32
24	---	---	6.61	2.96	3.06	3.12	2.94	3.20	2.99	3.02	2.94	2.95
25	---	2.99	3.59	2.96	3.01	3.10	4.72	3.12	2.97	2.93	2.96	2.89
26	---	3.02	3.24	2.95	3.13	3.09	3.15	3.18	2.96	---	2.91	2.87
27	---	3.00	3.14	2.96	3.44	3.07	3.01	3.06	3.00	---	3.11	2.86
28	---	2.97	3.10	2.93	3.04	3.06	2.96	3.04	3.66	---	3.92	2.87
29	---	2.95	3.06	3.30	---	3.04	2.94	3.01	3.06	---	3.14	2.83
30	---	2.94	3.04	4.40	---	3.40	2.92	3.00	3.54	---	3.30	2.82
31	---	---	3.17	3.19	---	3.06	---	2.99	---	3.74	3.04	---
MEAN	---	---	3.27	3.06	3.20	3.43	3.13	3.69	3.34	---	3.07	2.97
MAX	---	---	6.61	4.40	4.38	6.99	4.72	8.96	6.20	---	3.92	4.20
MIN	---	---	2.89	2.91	2.96	2.95	2.92	2.90	2.94	---	2.88	2.81

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5* CONTRIBUTING DRAINAGE AREA DATUM

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	0.00	0.16	0.00	0.01	0.00	0.00	0.00	3.15	---	0.00
2	---	---	0.00	0.14	0.00	0.00	0.00	0.51	0.00	0.01	0.00	0.00
3	---	---	0.00	0.00	0.00	0.01	0.00	0.22	0.45	0.00	0.83	0.57
4	---	---	0.01	0.00	0.11	0.04	0.01	0.00	0.47	0.00	0.00	0.01
5	---	---	0.60	0.00	0.00	0.74	0.14	2.60	0.00	0.67	0.03	0.00
6	---	---	0.00	0.00	0.79	1.68	0.70	1.43	0.39	0.03	0.11	0.00
7	---	---	0.00	0.00	0.04	0.02	0.83	0.82	0.43	0.00	0.00	0.00
8	---	---	0.00	0.00	0.00	0.00	0.09	0.01	0.00	0.00	0.00	0.00
9	---	---	0.00	0.02	0.10	0.00	0.12	0.00	0.00	0.00	0.00	0.00
10	---	---	1.05	0.01	0.42	0.00	0.08	0.00	0.00	2.02	0.00	0.00
11	---	---	0.02	0.00	0.00	0.00	0.00	0.21	0.21	0.01	0.00	0.00
12	---	---	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.17	0.00
13	---	---	0.82	0.00	0.00	0.00	0.00	0.00	0.46	0.01	0.12	0.00
14	---	---	0.00	0.00	0.01	0.00	0.00	0.07	0.34	0.12	0.00	0.98
15	---	---	0.00	0.00	0.00	0.70	0.00	1.22	0.02	0.02	0.00	0.00
16	---	---	0.00	0.11	0.70	0.01	0.00	0.43	0.03	0.00	0.09	0.00
17	---	---	0.00	0.00	0.00	0.60	0.33	0.05	1.55	0.00	0.00	0.00
18	---	---	0.16	0.00	0.00	0.03	0.00	1.12	2.17	0.00	0.00	0.00
19	---	---	0.69	0.00	0.00	1.47	0.00	0.01	0.32	0.00	0.05	0.00
20	---	0.17	0.01	0.00	0.00	1.34	0.00	0.01	0.00	0.00	---	0.00
21	---	0.38	0.00	0.11	0.09	0.00	0.08	0.39	0.00	0.00	---	0.00
22	---	0.00	0.00	0.39	1.27	0.00	0.01	1.14	0.00	0.49	---	1.92
23	---	0.00	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.52	0.00	0.01
24	---	0.00	2.33	0.01	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00
25	---	0.00	0.01	0.00	0.00	0.00	1.32	0.01	0.00	0.00	0.00	0.00
26	---	0.00	0.00	0.00	0.33	0.02	0.00	0.11	0.00	---	0.00	0.00
27	---	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.12	---	0.18	0.01
28	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	---	1.60	0.00
29	---	0.00	0.00	0.94	---	0.09	0.00	0.00	0.00	---	0.08	0.00
30	---	0.00	0.00	0.49	---	0.29	0.00	0.00	0.31	---	0.88	0.00
31	---	---	0.26	0.00	---	0.00	---	0.00	---	0.24	0.00	---
TOTAL	---	---	6.00	2.38	4.04	7.05	4.06	10.37	7.79	---	---	3.50

ALTAMAHA RIVER BASIN
2003 Water Year

02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°40'44", long 84°21'29" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03070103, on right upstream bank of Forest Park Road, 0.05 miles downstream of Poole Creek, 0.4 miles upstream of South River Tributary and 1.7 miles upstream of Intrenchment Creek.

DRAINAGE AREA.—22.5 square miles, approximately.

COOPERATION.—City of Atlanta.

PERIOD OF RECORD.—April 6, 2003 to September 30, 2003.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: April 6, 2003 to September 30, 2003.
pH: April 6, 2003 to September 30, 2003.
WATER TEMPERATURE: April 6, 2003 to September 30, 2003.
DISSOLVED OXYGEN: April 9, 2003 to September 30, 2003.
TURBIDITY: April 9, 2003 to September 30, 2003.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records fair, except for turbidity and dissolved oxygen, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 224 microsiemens, August 31, September 1, 2003; minimum recorded, 33 microsiemens, May 6, 2003.
pH: Maximum recorded, 8.2 units, April 26, 2003; minimum recorded, 5.5 units, April 7, 2003.
WATER TEMPERATURE: Maximum recorded, 27.3°C, July 20; minimum recorded, 10.4°C, April 11, 2003.
DISSOLVED OXYGEN: Maximum recorded, 9.3 mg/L, May 11, 2003; minimum recorded, 1.5 mg/L, April 17, 2003.
TURBIDITY: Maximum recorded, >2,200 NTU, July 11, 2003; minimum recorded, <5.0 NTU, several days during the 2003 water year.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA ESTUARY SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA ESTUARY SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	196	177	183
2	---	---	---	---	---	---	---	---	---	193	133	181
3	---	---	---	---	---	---	---	---	---	136	112	121
4	---	---	---	---	---	---	---	---	---	141	121	135
5	---	---	---	---	---	---	---	---	---	157	50	126
6	---	---	---	---	---	---	---	---	---	95	33	57
7	---	---	---	---	---	---	132	62	87	161	74	104
8	---	---	---	---	---	---	149	88	123	136	58	99
9	---	---	---	---	---	---	167	147	155	173	136	155
10	---	---	---	---	---	---	173	141	153	180	173	177
11	---	---	---	---	---	---	179	153	164	188	148	176
12	---	---	---	---	---	---	193	162	173	165	148	158
13	---	---	---	---	---	---	192	175	183	182	165	173
14	---	---	---	---	---	---	195	180	187	185	174	181
15	---	---	---	---	---	---	197	185	190	180	55	103
16	---	---	---	---	---	---	197	185	191	113	68	93
17	---	---	---	---	---	---	220	125	185	174	112	133
18	---	---	---	---	---	---	158	118	144	139	47	77
19	---	---	---	---	---	---	188	153	172	138	65	115
20	---	---	---	---	---	---	187	176	181	163	138	152
21	---	---	---	---	---	---	199	165	182	188	142	168
22	---	---	---	---	---	---	178	164	172	142	44	79
23	---	---	---	---	---	---	186	172	178	155	91	131
24	---	---	---	---	---	---	186	179	181	172	152	164
25	---	---	---	---	---	---	186	45	81	185	170	179
26	---	---	---	---	---	---	144	95	120	186	154	172
27	---	---	---	---	---	---	159	141	151	184	172	176
28	---	---	---	---	---	---	170	156	162	186	177	182
29	---	---	---	---	---	---	179	163	170	192	181	188
30	---	---	---	---	---	---	195	169	177	196	185	190
31	---	---	---	---	---	---	---	---	---	196	188	192
MONTH	---	---	---	---	---	---	---	---	---	196	33	146

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA ESTUARY SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	196	188	192	118	35	74	---	---	---	224	202	216
2	194	187	191	136	51	101	---	---	---	202	182	192
3	208	120	156	156	136	146	---	---	---	185	145	173
4	145	102	119	177	156	172	---	---	---	173	155	166
5	150	125	136	178	103	164	---	---	---	170	157	162
6	175	134	153	147	99	119	---	---	---	174	165	169
7	136	71	93	166	147	158	---	---	---	175	171	173
8	127	86	110	199	166	188	---	---	---	181	173	177
9	159	126	146	215	196	205	---	---	---	185	179	182
10	168	158	164	---	---	---	---	---	---	213	181	185
11	175	131	165	---	---	---	---	---	---	221	176	183
12	147	122	137	---	---	---	---	---	---	187	180	184
13	177	90	136	---	---	---	---	---	---	190	185	187
14	119	79	102	---	---	---	---	---	---	186	60	166
15	129	96	112	---	---	---	---	---	---	121	98	106
16	149	129	142	---	---	---	---	---	---	132	115	124
17	148	46	81	---	---	---	---	---	---	153	132	142
18	115	44	71	205	163	191	---	---	---	157	151	154
19	108	53	84	213	163	186	---	---	---	161	157	159
20	146	78	113	175	164	173	---	---	---	165	160	162
21	164	146	155	178	173	175	---	---	---	166	164	165
22	176	162	168	193	122	166	---	---	---	166	39	124
23	182	174	177	133	63	98	---	---	---	89	44	71
24	184	180	182	146	101	132	---	---	---	107	89	99
25	---	---	---	182	145	170	---	---	---	122	107	116
26	---	---	---	---	---	---	---	---	---	127	122	125
27	204	182	190	---	---	---	192	135	177	132	127	129
28	186	95	125	---	---	---	169	37	136	138	131	134
29	143	113	128	---	---	---	---	---	---	144	138	142
30	157	72	137	---	---	---	---	---	---	147	144	146
31	---	---	---	---	---	---	224	158	199	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	224	39	154

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	7.5	7.1	7.1
2	---	---	---	---	---	---	---	---	---	7.1	7.0	7.1
3	---	---	---	---	---	---	---	---	---	7.0	6.9	7.0
4	---	---	---	---	---	---	---	---	---	7.0	6.9	7.0
5	---	---	---	---	---	---	---	---	---	7.1	6.6	7.0
6	---	---	---	---	---	---	---	---	---	6.8	6.3	6.6
7	---	---	---	---	---	---	6.7	5.5	6.6	6.9	6.6	6.8
8	---	---	---	---	---	---	6.8	6.7	6.8	6.9	6.6	6.8
9	---	---	---	---	---	---	7.0	6.8	6.9	7.0	6.9	7.0
10	---	---	---	---	---	---	7.0	7.0	7.0	7.0	7.0	7.0
11	---	---	---	---	---	---	7.0	7.0	7.0	7.0	7.0	7.0
12	---	---	---	---	---	---	7.0	6.9	7.0	7.0	7.0	7.0
13	---	---	---	---	---	---	7.0	6.9	6.9	7.0	7.0	7.0
14	---	---	---	---	---	---	6.9	6.9	6.9	7.1	7.0	7.0
15	---	---	---	---	---	---	6.9	6.8	6.9	7.1	6.4	6.8
16	---	---	---	---	---	---	6.8	6.8	6.8	7.0	6.7	6.8
17	---	---	---	---	---	---	7.0	6.6	6.8	7.0	6.8	6.9
18	---	---	---	---	---	---	7.0	6.8	6.9	6.9	6.6	6.7
19	---	---	---	---	---	---	7.0	6.6	6.8	6.9	6.6	6.9
20	---	---	---	---	---	---	6.9	6.9	6.9	7.0	6.7	7.0
21	---	---	---	---	---	---	6.9	6.7	6.8	7.0	7.0	7.0
22	---	---	---	---	---	---	6.8	6.8	6.8	7.0	6.6	6.8
23	---	---	---	---	---	---	6.8	6.8	6.8	7.0	6.8	6.9
24	---	---	---	---	---	---	6.9	6.8	6.8	7.0	7.0	7.0
25	---	---	---	---	---	---	6.9	6.6	6.8	7.0	7.0	7.0
26	---	---	---	---	---	---	8.2	6.8	6.9	7.0	7.0	7.0
27	---	---	---	---	---	---	7.0	7.0	7.0	7.1	7.0	7.0
28	---	---	---	---	---	---	7.2	7.0	7.0	7.1	7.0	7.1
29	---	---	---	---	---	---	7.1	7.0	7.0	7.2	7.0	7.1
30	---	---	---	---	---	---	7.8	7.0	7.1	7.2	7.2	7.2
31	---	---	---	---	---	---	---	---	---	7.2	7.2	7.2
MAX	---	---	---	---	---	---	---	---	---	7.5	7.2	7.2
MIN	---	---	---	---	---	---	---	---	---	6.8	6.3	6.6

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.2	7.2	7.2	6.8	6.3	6.7	---	---	---	---	---	---
2	7.2	7.1	7.2	6.7	6.4	6.7	---	---	---	6.9	6.8	6.8
3	7.1	6.9	7.0	6.8	6.7	6.7	---	---	---	6.9	6.8	6.9
4	7.0	6.8	7.0	6.8	6.7	6.8	---	---	---	6.9	6.8	6.9
5	7.0	7.0	7.0	6.8	6.7	6.8	---	---	---	6.9	6.8	6.9
6	7.0	6.9	7.0	6.8	6.5	6.6	---	---	---	6.9	6.9	6.9
7	6.9	6.8	6.8	6.9	6.8	6.9	---	---	---	7.0	6.9	6.9
8	7.0	6.8	6.9	6.9	6.8	6.9	---	---	---	6.9	6.9	6.9
9	7.0	6.9	7.0	6.9	6.8	6.9	---	---	---	7.0	6.9	6.9
10	7.1	7.0	7.0	6.9	6.4	6.9	---	---	---	7.0	6.9	7.0
11	7.1	7.0	7.0	6.7	6.4	6.7	---	---	---	7.0	6.9	7.0
12	7.0	6.9	6.9	6.7	6.6	6.7	---	---	---	7.0	7.0	7.0
13	7.0	6.8	7.0	6.7	6.5	6.6	---	---	---	7.0	7.0	7.0
14	6.9	6.6	6.9	6.6	6.4	6.5	---	---	---	7.0	6.4	7.0
15	7.0	6.9	6.9	6.6	6.3	6.5	---	---	---	6.9	6.6	6.8
16	7.1	7.0	7.0	6.5	6.3	6.4	---	---	---	6.9	6.8	6.9
17	7.1	6.5	6.7	6.9	6.5	6.8	---	---	---	6.9	6.9	6.9
18	6.9	6.6	6.7	6.9	6.8	6.8	---	---	---	7.0	6.9	6.9
19	6.9	6.6	6.7	6.8	6.7	6.8	---	---	---	7.0	6.9	7.0
20	7.0	6.7	6.9	6.9	6.8	6.8	---	---	---	7.0	7.0	7.0
21	7.0	6.9	7.0	6.9	6.9	6.9	---	---	---	7.0	6.9	7.0
22	7.1	7.0	7.0	6.9	6.5	6.8	---	---	---	7.0	6.4	7.0
23	7.1	7.0	7.0	6.7	6.4	6.6	---	---	---	6.8	6.4	6.7
24	7.1	7.1	7.1	6.9	6.6	6.8	---	---	---	6.9	6.8	6.9
25	---	---	---	6.9	6.8	6.8	---	---	---	7.0	6.9	7.0
26	---	---	---	---	---	---	---	---	---	7.0	7.0	7.0
27	7.1	7.0	7.0	---	---	---	7.1	6.7	7.0	7.0	6.9	7.0
28	7.0	6.8	6.9	---	---	---	6.9	6.5	6.8	7.0	6.9	7.0
29	7.0	6.9	6.9	---	---	---	---	---	---	7.0	6.9	7.0
30	7.0	6.4	7.0	---	---	---	---	---	---	7.0	7.0	7.0
31	---	---	---	---	---	---	6.8	6.7	6.8	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA ESTUARY SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA ESTUARY SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM DD
#4, DCP

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	21.2	18.7	20.0
2	---	---	---	---	---	---	---	---	---	21.7	18.8	20.2
3	---	---	---	---	---	---	---	---	---	20.0	18.1	18.5
4	---	---	---	---	---	---	---	---	---	21.7	17.0	19.1
5	---	---	---	---	---	---	---	---	---	21.3	19.1	19.8
6	---	---	---	---	---	---	---	---	---	19.9	18.3	19.1
7	---	---	---	---	---	---	17.7	16.6	17.2	20.4	18.6	19.4
8	---	---	---	---	---	---	16.7	14.4	15.2	22.1	19.3	20.6
9	---	---	---	---	---	---	14.4	12.7	13.5	23.4	19.5	21.2
10	---	---	---	---	---	---	12.7	11.1	11.5	23.9	20.4	22.0
11	---	---	---	---	---	---	14.2	10.4	12.1	22.5	19.6	21.1
12	---	---	---	---	---	---	16.8	11.1	13.8	21.6	18.1	19.7
13	---	---	---	---	---	---	18.0	13.2	15.6	20.9	16.9	18.9
14	---	---	---	---	---	---	18.8	14.1	16.5	19.8	17.5	18.1
15	---	---	---	---	---	---	19.0	15.1	17.2	19.1	17.1	17.8
16	---	---	---	---	---	---	19.0	15.6	17.4	20.8	18.1	19.3
17	---	---	---	---	---	---	18.5	16.2	17.4	21.9	19.0	20.3
18	---	---	---	---	---	---	20.0	17.4	18.5	21.2	19.3	20.1
19	---	---	---	---	---	---	18.9	16.3	17.3	19.3	17.1	18.0
20	---	---	---	---	---	---	18.1	16.6	17.3	18.7	16.5	17.4
21	---	---	---	---	---	---	17.9	17.0	17.5	19.2	17.6	18.3
22	---	---	---	---	---	---	18.3	15.5	17.0	19.2	18.4	18.8
23	---	---	---	---	---	---	17.9	14.6	16.4	20.7	17.8	18.9
24	---	---	---	---	---	---	17.4	14.4	15.6	22.2	17.7	19.7
25	---	---	---	---	---	---	17.5	14.6	15.9	21.8	18.0	19.8
26	---	---	---	---	---	---	18.4	15.5	16.8	22.0	19.0	20.3
27	---	---	---	---	---	---	20.0	15.3	17.5	21.5	18.2	19.8
28	---	---	---	---	---	---	20.3	16.0	18.2	21.6	17.4	19.4
29	---	---	---	---	---	---	20.8	16.6	18.8	21.2	18.1	19.6
30	---	---	---	---	---	---	21.2	17.8	19.6	21.4	17.3	19.3
31	---	---	---	---	---	---	---	---	---	22.5	18.6	20.5
MONTH	---	---	---	---	---	---	---	---	---	23.9	16.5	19.5

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA ESTUARY SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.0	19.0	20.6	22.5	20.8	21.4	---	---	---	25.6	24.0	24.9
2	21.7	17.9	19.8	22.9	20.8	21.7	---	---	---	25.0	23.6	24.4
3	21.7	19.4	20.6	24.6	20.8	22.6	---	---	---	25.1	23.6	24.4
4	24.4	20.3	22.1	25.5	22.1	23.5	---	---	---	25.1	23.5	24.3
5	23.2	19.6	21.4	24.3	22.5	23.3	---	---	---	24.6	23.1	23.9
6	22.1	19.8	20.7	24.9	22.4	23.4	---	---	---	24.2	22.2	23.0
7	22.6	20.4	21.3	26.0	22.3	23.9	---	---	---	22.2	21.0	21.4
8	24.7	21.4	22.7	27.0	23.0	24.8	---	---	---	22.2	20.0	21.2
9	24.2	21.0	22.6	27.1	23.8	25.3	---	---	---	22.2	20.2	21.3
10	24.7	20.5	22.6	26.2	23.1	24.2	---	---	---	21.8	20.5	21.2
11	25.1	22.0	23.5	25.3	22.3	23.7	---	---	---	21.8	20.1	21.1
12	24.8	22.2	23.3	24.9	22.9	23.8	---	---	---	21.7	19.8	20.8
13	24.6	22.1	23.0	24.9	22.9	23.9	---	---	---	21.8	19.5	20.7
14	25.3	22.3	23.2	24.6	22.8	23.5	---	---	---	23.1	20.3	21.3
15	25.6	22.2	23.7	24.8	22.6	23.4	---	---	---	23.2	21.1	22.0
16	26.1	22.8	24.3	25.4	22.9	24.0	---	---	---	22.0	20.0	21.1
17	25.6	21.5	23.1	26.8	23.3	24.8	---	---	---	21.5	19.7	20.7
18	23.4	22.1	22.7	26.4	23.5	24.8	---	---	---	20.8	18.6	19.9
19	24.9	21.5	22.9	26.7	23.6	25.1	---	---	---	21.1	18.7	20.0
20	25.6	22.1	23.6	27.3	24.0	25.4	---	---	---	21.9	19.6	20.8
21	24.0	19.9	21.9	26.6	24.3	25.4	---	---	---	21.8	20.4	21.2
22	23.6	19.0	21.2	25.8	23.7	24.4	---	---	---	23.2	21.5	22.0
23	24.3	19.8	21.9	24.3	22.3	23.5	---	---	---	22.7	20.6	21.6
24	24.6	20.8	22.6	25.6	21.8	23.5	---	---	---	21.3	19.1	20.3
25	24.3	21.3	---	25.0	21.8	23.3	---	---	---	21.4	19.3	20.5
26	24.3	---	---	---	---	---	---	---	---	21.0	19.3	20.3
27	23.6	21.5	22.6	---	---	---	26.0	24.1	25.2	21.6	19.5	20.6
28	23.7	21.2	22.6	---	---	---	25.8	23.9	24.7	21.5	18.8	20.0
29	24.6	21.9	23.1	---	---	---	25.7	23.7	24.7	18.8	16.4	17.2
30	23.8	22.3	22.9	---	---	---	25.6	23.4	24.5	16.9	14.8	16.0
31	---	---	---	---	---	---	26.0	24.0	25.0	---	---	---
MONTH	26.1	---	---	---	---	---	---	---	---	25.6	14.8	21.3

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	7.6	7.1	7.4
2	---	---	---	---	---	---	---	---	---	7.7	6.9	7.4
3	---	---	---	---	---	---	---	---	---	7.6	6.6	7.0
4	---	---	---	---	---	---	---	---	---	7.4	6.7	7.2
5	---	---	---	---	---	---	---	---	---	8.8	6.0	7.1
6	---	---	---	---	---	---	---	---	---	8.8	7.0	7.5
7	---	---	---	---	---	---	---	---	---	8.2	7.0	7.5
8	---	---	---	---	---	---	---	---	---	7.9	6.9	7.6
9	---	---	---	---	---	---	8.4	7.5	8.0	8.4	7.7	8.0
10	---	---	---	---	---	---	8.6	7.9	8.3	8.5	7.4	8.1
11	---	---	---	---	---	---	8.7	7.2	8.0	9.3	7.8	8.2
12	---	---	---	---	---	---	8.1	6.0	7.2	8.8	7.8	8.4
13	---	---	---	---	---	---	7.2	5.1	6.2	9.2	7.6	8.4
14	---	---	---	---	---	---	6.3	4.5	5.4	8.3	7.7	8.0
15	---	---	---	---	---	---	5.9	3.8	4.9	8.5	6.7	7.4
16	---	---	---	---	---	---	4.7	2.8	3.8	---	---	---
17	---	---	---	---	---	---	7.4	1.5	4.2	---	---	---
18	---	---	---	---	---	---	6.9	6.0	6.4	---	---	---
19	---	---	---	---	---	---	7.3	6.2	6.8	---	---	---
20	---	---	---	---	---	---	7.0	6.0	6.4	---	---	---
21	---	---	---	---	---	---	6.5	5.0	6.0	---	---	---
22	---	---	---	---	---	---	6.7	5.3	6.1	---	---	---
23	---	---	---	---	---	---	6.4	4.7	5.6	---	---	---
24	---	---	---	---	---	---	6.6	4.6	5.7	---	---	---
25	---	---	---	---	---	---	9.0	6.4	7.8	---	---	---
26	---	---	---	---	---	---	7.9	7.4	7.6	---	---	---
27	---	---	---	---	---	---	7.9	6.9	7.5	---	---	---
28	---	---	---	---	---	---	8.5	7.2	7.7	---	---	---
29	---	---	---	---	---	---	8.2	7.4	7.8	---	---	---
30	---	---	---	---	---	---	7.9	7.1	7.5	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	8.3	6.5	7.2	---	---	---	---	---	---
2	---	---	---	7.1	5.9	6.6	---	---	---	---	---	---
3	7.5	6.3	6.8	6.5	5.7	6.1	---	---	---	---	---	---
4	7.0	6.2	6.6	6.6	5.1	5.8	---	---	---	---	---	---
5	7.3	6.6	6.9	7.3	6.1	6.7	---	---	---	---	---	---
6	7.5	6.8	7.1	6.8	6.1	6.5	---	---	---	---	---	---
7	7.6	6.6	6.9	7.3	6.4	6.7	---	---	---	---	---	---
8	6.9	6.6	6.8	6.6	5.6	6.0	---	---	---	---	---	---
9	7.3	6.7	7.0	6.0	5.3	5.7	---	---	---	---	---	---
10	7.4	6.6	7.0	8.3	5.3	6.1	---	---	---	---	---	---
11	7.0	6.2	6.8	---	---	---	---	---	---	6.8	---	---
12	6.7	6.2	6.4	---	---	---	---	---	---	6.8	6.3	6.5
13	7.4	6.2	6.7	---	---	---	---	---	---	6.9	6.2	6.5
14	7.0	6.3	6.5	---	---	---	---	---	---	7.5	6.2	6.6
15	6.7	6.3	6.5	---	---	---	---	---	---	6.7	5.8	6.1
16	6.7	6.3	6.5	---	---	---	---	---	---	6.7	6.1	6.4
17	7.9	6.1	6.8	---	---	---	---	---	---	7.1	6.5	6.9
18	8.2	6.5	7.0	5.7	4.4	5.0	---	---	---	7.3	6.8	7.1
19	7.4	6.2	6.9	5.6	3.3	4.8	---	---	---	7.5	7.0	7.3
20	7.0	6.5	6.7	6.0	5.3	5.6	---	---	---	7.4	6.9	7.2
21	7.5	6.8	7.1	6.2	5.5	5.8	---	---	---	7.3	6.9	7.1
22	7.7	6.9	7.3	6.7	4.6	5.3	---	---	---	8.0	5.7	6.7
23	8.0	7.1	7.4	7.8	4.8	6.1	---	---	---	7.0	5.9	6.7
24	7.8	7.2	7.5	6.7	5.8	6.3	---	---	---	7.4	6.8	7.1
25	---	---	---	6.5	5.7	6.1	---	---	---	7.3	6.9	7.1
26	---	---	---	---	---	---	---	---	---	7.5	7.0	7.3
27	7.5	6.7	7.2	---	---	---	---	---	---	7.4	6.4	7.0
28	7.6	6.6	6.9	---	---	---	---	---	---	7.1	6.4	6.8
29	7.0	6.5	6.8	---	---	---	---	---	---	8.1	7.1	7.7
30	7.9	6.6	6.9	---	---	---	---	---	---	8.8	8.1	8.5
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	76	7.5	9.5
2	---	---	---	---	---	---	---	---	---	510	7.1	10
3	---	---	---	---	---	---	---	---	---	310	16	30
4	---	---	---	---	---	---	---	---	---	20	5.9	9.5
5	---	---	---	---	---	---	---	---	---	1500	5.3	7.1
6	---	---	---	---	---	---	---	---	---	1500	98	280
7	---	---	---	---	---	---	---	---	---	380	50	120
8	---	---	---	---	---	---	---	---	---	340	28	56
9	---	---	---	---	---	---	---	---	---	33	---	---
10	---	---	---	---	---	---	24	12	16	---	---	---
11	---	---	---	---	---	---	20	9.7	12	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	8.1	---
14	---	---	---	---	---	---	---	---	---	15	8.7	10
15	---	---	---	---	---	---	---	---	---	1600	10	100
16	---	---	---	---	---	---	---	---	---	1000	31	88
17	---	---	---	---	---	---	---	---	---	160	14	24
18	---	---	---	---	---	---	---	9.3	---	2200	31	200
19	---	---	---	---	---	---	12	5.5	8.2	120	24	40
20	---	---	---	---	---	---	11	5.3	7.3	33	15	18
21	---	---	---	---	---	---	26	6.6	8.3	70	12	18
22	---	---	---	---	---	---	68	9.1	11	360	45	110
23	---	---	---	---	---	---	---	---	---	60	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	620	---	---	---	---	---
26	---	---	---	---	---	---	86	12	28	---	---	---
27	---	---	---	---	---	---	300	9.6	13	---	---	---
28	---	---	---	---	---	---	260	8.6	12	---	---	---
29	---	---	---	---	---	---	120	7.5	10	---	---	---
30	---	---	---	---	---	---	110	8.3	10	16	7.7	11
31	---	---	---	---	---	---	---	---	---	20	6.7	10
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334044 LONGITUDE 0842129 NAD27 DRAINAGE AREA 22.5 CONTRIBUTING DRAINAGE AREA DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	14	6.3	9.0	630	31	190	---	---	---	29	8.3	9.8
2	10	6.0	8.2	150	34	53	---	---	---	32	6.1	11
3	280	7.2	26	35	21	26	---	---	---	220	6.3	8.7
4	240	12	26	29	21	23	---	---	---	28	7.3	10
5	14	6.5	9.8	590	25	30	---	---	---	22	6.0	8.0
6	80	7.5	11	---	---	---	---	---	---	19	6.2	7.4
7	1400	21	28	---	5.0	---	---	---	---	10	6.1	7.2
8	25	9.3	14	8.5	<5.0	5.1	---	---	---	16	5.6	6.7
9	14	7.8	10	8.6	<5.0	<5.0	---	---	---	15	5.4	6.3
10	12	5.8	7.6	1500	<5.0	8.8	---	---	---	9.1	5.6	6.6
11	81	6.7	8.1	>2200	40	---	---	---	---	11	5.2	6.2
12	62	7.4	12	---	---	---	---	---	---	7.2	<5.0	5.7
13	---	7.3	---	---	---	---	---	---	---	7.5	<5.0	6.0
14	---	---	---	---	---	---	---	---	---	680	<5.0	6.1
15	---	---	---	---	---	---	---	---	---	150	16	41
16	---	8.5	---	---	---	---	---	---	---	19	7.8	11
17	1400	12	77	---	<5.0	---	---	---	---	22	5.9	6.7
18	1300	43	150	74	<5.0	16	---	---	---	15	5.0	6.2
19	840	32	98	---	---	---	---	---	---	15	<5.0	5.8
20	100	18	31	---	---	---	---	---	---	91	<5.0	6.3
21	23	12	15	---	---	---	---	---	---	94	5.5	22
22	16	8.7	13	---	---	---	---	---	---	690	<5.0	15
23	16	6.3	9.4	---	---	---	---	---	---	---	---	---
24	10	6.0	7.2	---	---	---	---	---	---	---	---	---
25	---	6.3	---	12	6.4	8.1	---	---	---	---	---	---
26	---	5.8	---	---	---	---	---	---	---	---	---	---
27	120	5.6	6.9	---	---	---	450	<5.0	<5.0	---	---	---
28	440	17	36	---	---	---	980	<5.0	48	---	---	---
29	22	7.6	12	---	---	---	---	---	---	---	---	---
30	1100	7.3	8.5	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	50	8.9	16	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

ALTAHAHA RIVER BASIN
2003 Water Year

02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°40’44", long 84°21’29” referenced to North American Datum (NAD) of 1927, Dekalb County, Hydrologic Unit Code 03070103, on right upstream bank of Forest Park Road, 0.05 miles downstream of Poole Creek, 0.4 miles upstream of South River Tributary, and 1.7 miles upstream of Intrenchment Creek..

DRAINAGE AREA.—22.5 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—April 6, 2003 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Medium code	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
JUL													
15-15	1743	1858	9	3.46	57	81345	--	--	--	--	--	--	--
JUL													
15-15	1745	1900	9	3.46	57	80020	--	--	--	--	--	--	--
JUL													
15-15	1913	2028	9	3.63	75	81345	--	--	--	--	--	--	--
JUL													
15-15	1916	2030	9	3.63	75	80020	--	--	--	--	--	--	--
JUL													
15-15	2043	2158	9	3.72	86	81345	--	--	--	--	--	--	--
JUL													
15-15	2044	2159	9	3.72	86	80020	--	--	--	--	--	--	--
JUL													
15-15	2213	2328	9	3.60	71	81345	--	--	--	--	--	--	--
JUL													
15-15	2214	2329	9	3.60	71	80020	--	--	--	--	--	--	--
AUG													
11...	1000	--	9	2.96	14	81345	5.0	736	5.8	69	7.1	198	22.5
11...	1001	--	9	2.96	14	80020	5.0	736	5.8	67	7.1	198	22.5
11...	1025	--	9	2.97	15	81345	4.6	736	5.2	63	7.2	184	23.0
11...	1026	--	9	2.97	15	80020	4.6	736	5.2	61	7.2	184	23.0
AUG													
12-12	1903	1954	9	3.58	69	81345	--	--	--	--	--	--	--
AUG													
12-12	1904	1955	9	3.58	69	80020	--	--	--	--	--	--	--
AUG													
12-12	2009	2054	9	4.40	170	81345	--	--	--	--	--	--	--
AUG													
12-12	2010	2055	9	4.40	170	80020	--	--	--	--	--	--	--
AUG													
12-12	2109	2154	9	3.88	103	81345	--	--	--	--	--	--	--
AUG													
12-12	2110	2155	9	3.88	103	80020	--	--	--	--	--	--	--
AUG													
12-12	2209	2324	9	--	--	81345	--	--	--	--	--	--	--
AUG													
12-12	2210	2325	9	--	--	80020	--	--	--	--	--	--	--
AUG													
12-13	2339	0041	9	3.65	78	81345	--	--	--	--	--	--	--
AUG													
12-13	2340	0042	9	3.65	78	80020	--	--	--	--	--	--	--
SEP													
22-22	1521	1523	9	3.87	102	81345	150	--	7.4	--	7.0	132	22.5
SEP													
22-22	1522	1524	9	3.87	102	80020	150	--	7.4	--	7.0	132	22.5
SEP													
22-22	1551	1623	9	5.88	398	81345	400	--	7.4	--	6.8	98	23.0
SEP													
22-22	1552	1624	9	5.88	398	80020	400	--	7.4	--	6.8	98	23.0
SEP													
22-22	1651	1723	9	8.45	892	81345	550	--	7.7	--	6.6	78	23.0
SEP													
22-22	1652	1724	9	8.45	892	80020	550	--	7.7	--	6.6	78	23.0
SEP													
22-22	1751	1823	9	9.74	1180	81345	650	--	8.0	--	6.8	40	23.0
SEP													
22-22	1752	1824	9	9.74	1180	80020	650	--	8.0	--	6.8	40	23.0
SEP													
22-22	1851	1923	9	8.04	808	81345	290	--	6.8	--	6.8	62	22.5
SEP													
22-22	1852	1924	9	8.04	808	80020	290	--	6.8	--	6.8	62	22.5
SEP													
22-22	1951	2053	9	5.94	408	81345	230	--	5.7	--	6.5	62	22.5
SEP													
22-22	1952	2054	9	5.94	408	80020	230	--	5.7	--	6.5	62	22.5

02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA—continued.

Date	Hard-ness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hard-ness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alka-linity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)
JUL													
15-15	48	15	13.0	3.67	3.01	.4	6.38	21	32.5	<.1	6.52	.1	14.8
JUL													
15-15	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15-15	41	9	11.2	3.08	2.71	.5	6.91	25	31.7	<.1	6.55	.1	14.9
JUL													
15-15	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15-15	33	7	8.83	2.54	2.73	.6	7.27	31	26.1	<.1	7.67	.1	11.8
JUL													
15-15	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15-15	29	8	8.00	2.24	2.69	.5	5.78	28	21.2	<.1	5.68	.1	10.3
JUL													
15-15	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
11...	59	15	15.3	4.94	3.07	.5	9.57	25	43.4	<.1	11.5	.2	17.9
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	55	7	13.9	4.82	3.12	.7	11.1	29	47.6	<.1	12.1	.2	19.4
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
12-12	48	16	12.5	3.96	2.84	.4	6.97	23	31.6	<.1	9.60	.2	14.0
AUG													
12-12	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
12-12	46	23	12.1	3.70	3.03	.4	6.98	24	23.1	<.1	7.80	.4	12.3
AUG													
12-12	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
12-12	45	11	11.6	3.87	3.33	.6	9.80	30	34.0	<.1	9.99	.2	15.0
AUG													
12-12	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
12-12	45	--	11.0	4.21	3.35	.8	12.9	36	48.4	<.1	13.6	.2	19.6
AUG													
12-12	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
12-13	40	--	10.1	3.67	3.74	1	14.6	41	45.6	<.1	16.7	.2	17.5
AUG													
12-13	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
22-22	39	12	10.6	3.08	3.55	.4	5.58	22	26.9	.1	7.08	.2	12.5
SEP													
22-22	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
22-22	30	15	8.46	2.25	3.03	.3	4.06	20	15.7	M	4.89	.2	7.96
SEP													
22-22	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
22-22	19	9	5.60	1.17	2.72	.2	2.23	18	9.8	M	2.56	.1	3.44
SEP													
22-22	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
22-22	14	2	4.21	.76	2.53	.3	2.19	22	11.6	M	2.54	.1	2.53
SEP													
22-22	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
22-22	23	4	6.37	1.76	3.18	.4	4.29	26	19.4	M	4.22	.1	8.22
SEP													
22-22	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
22-22	19	4	5.10	1.61	3.46	.4	4.12	27	15.5	M	3.37	<.02	8.43
SEP													
22-22	--	--	--	--	--	--	--	--	--	--	--	--	--

02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)
JUL 15-15	18.7	89	.12	.09	.069	.66	.660d	<.100	--	<.060	.01	.89	--
JUL 15-15	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 15-15	9.6	77	.10	.11	.082	.46	.460d	<.100	.251	.082	.01	.75	--
JUL 15-15	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 15-15	10.1	70	.09	.09	.072	.62	.620d	<.100	--	<.028	.01	1.07	--
JUL 15-15	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 15-15	9.7	61	.08	.09	.068	.63	.630d	<.100	--	<.026	.02	1.02	--
JUL 15-15	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 11...	26.9	120	.16	.13	.103	.81	.810d	<.100	.193	.063	<.01	1.20	200
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	18.4	115	.16	.16	.128	.64	.640d	<.100	--	<.050	<.002	1.13	210
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 12-12	24.3	98	.13	.08	.062	.91	.910d	<.100	--	<.042	<.002	1.45	--
AUG 12-12	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 12-12	31.7	97	.13	.29	.226	.91	.910d	<.100	--	<.060	M	1.64	--
AUG 12-12	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 12-12	23.1	101	.14	.22	.168	.63	.630d	<.100	--	<.024	<.004	1.22	--
AUG 12-12	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 12-12	11.1	108	.15	.17	.132	.42	.420d	<.100	--	<.082	<.01	1.03	--
AUG 12-12	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 12-13	11.3	108	.15	.44	.338	.39	.390d	<.100	.012	.004	.02	1.26	--
AUG 12-13	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 22-22	17.4	79	.11	.04	.029	.57	--	<.020	.083	.027	.00	.87	51000
SEP 22-22	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 22-22	18.2	62	.08	.09	.069	.59	--	<.020	.113	.037	.03	1.01	40000
SEP 22-22	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 22-22	13.1	39	.05	.13	.098	.40	--	<.020	.031	.010	.00	.77	36000
SEP 22-22	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 22-22	5.2	29	.04	.11	.085	.30	--	<.020	.074	.024	M	.56	31000
SEP 22-22	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 22-22	8.5	50	.07	.11	.084	.40	--	<.020	.055	.018	M	.72	23000
SEP 22-22	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 22-22	9.3	47	.06	.11	.084	.46	--	<.020	.064	.021	M	.85	14000
SEP 22-22	--	--	--	--	--	--	--	--	--	--	--	--	--

02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA—continued.

Date	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)
JUL 15-15	--	--	36.5	130	60	<50	170	--	--	--	--	--	--
JUL 15-15	--	--	--	--	--	7	162	34	.08	<.8	2.3	.21	1.57
JUL 15-15	--	--	30.7	220	60	<50	<100	--	--	--	--	--	--
JUL 15-15	--	--	--	--	--	11	68.4	10	E.03n	E.4n	2.1	1.34	1.14
JUL 15-15	--	--	30.4	250	40	<50	<100	--	--	--	--	--	--
JUL 15-15	--	--	--	--	--	14	61.3	14	.05	<.8	2.7	1.46	1.10
JUL 15-15	--	--	32.3	240	40	<50	100	--	--	--	--	--	--
JUL 15-15	--	--	--	--	--	13	98.2	11	E.03n	<.8	2.4	.88	.98
AUG 11...	389	15200	40.0	100	70	<50	350	--	--	--	--	--	--
11...	--	--	--	--	--	5	365	80	.19	<.8	1.5	<.08	2.61
11...	222	13900	35.6	<100	60	<50	360	--	--	--	--	--	--
11...	--	--	--	--	--	3	334	40	.10	<.8	1.2	.12	2.15
AUG 12-12	--	--	31.2	<100	50	<50	160	--	--	--	--	--	--
AUG 12-12	--	--	--	--	--	6	155	46	.13	<.8	2.9	.15	2.33
AUG 12-12	--	--	34.9	<100	50	<50	340	--	--	--	--	--	--
AUG 12-12	--	--	--	--	--	13	355	94	.28	<.8	8.0	.49	3.22
AUG 12-12	--	--	33.9	<100	50	<50	340	--	--	--	--	--	--
AUG 12-12	--	--	--	--	--	20	347	59	.20	<.8	4.6	1.22	2.81
AUG 12-12	--	--	27.7	270	50	<50	200	--	--	--	--	--	--
AUG 12-12	--	--	--	--	--	12	190	24	.04	<.8	1.8	2.04	1.72
AUG 12-13	--	--	31.1	320	50	<50	280	--	--	--	--	--	--
AUG 12-13	--	--	--	--	--	7	289	15	E.04n	<.8	1.8	2.48	1.61
SEP 22-22	--	2420000	30.5	<100	50	<50	<100	--	--	--	--	--	--
SEP 22-22	--	--	--	--	--	--	129	57	.14	E.5n	4.7	2.52	2.31
SEP 22-22	--	1730000	27.9	<100	40	83	150	--	--	--	--	--	--
SEP 22-22	--	--	--	--	--	62	160	60	.17	<.8	7.1	.36	3.05
SEP 22-22	--	1550000	20.5	<100	20	<50	130	--	--	--	--	--	--
SEP 22-22	--	--	--	--	--	26	142	52	.16	<.8	5.2	.34	1.58
SEP 22-22	--	1550000	14.4	<100	20	<50	<100	--	--	--	--	--	--
SEP 22-22	--	--	--	--	--	30	56.2	14	.05	<.8	3.5	.61	.89
SEP 22-22	--	1200000	23.1	<100	30	<50	130	--	--	--	--	--	--
SEP 22-22	--	--	--	--	--	20	133	14	.05	<.8	3.6	.51	1.09
SEP 22-22	--	1200000	25.5	190	30	<50	260	--	--	--	--	--	--
SEP 22-22	--	--	--	--	--	16	264	9	E.02n	<.8	2.8	.35	1.04

02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA—continued.

Date	Silver, water, fltrd, ug/L (01075)	Sampler type, code (84164)	Sampling method, code (82398)
JUL 15-15	--	4115	50
JUL 15-15	<.20	4115	50
JUL 15-15	--	4115	50
JUL 15-15	<.20	4115	50
JUL 15-15	--	4115	50
JUL 15-15	<.20	4115	50
JUL 15-15	--	4115	50
JUL 15-15	<.20	4115	50
AUG 11...	--	3044	10
11...	<.20	3044	10
11...	--	3070	70
11...	<.20	3070	70
AUG 12-12	--	4115	50
AUG 12-12	<.20	4115	50
AUG 12-12	--	4115	50
AUG 12-12	<.20	4115	50
AUG 12-12	--	4115	50
AUG 12-12	<.20	4115	50
AUG 12-12	--	4115	50
AUG 12-12	<.20	4115	50
AUG 12-13	--	4115	50
AUG 12-13	<.20	4115	50
SEP 22-22	--	4115	50
SEP 22-22	<.20	4115	50
SEP 22-22	--	4115	50
SEP 22-22	<.20	4115	50
SEP 22-22	--	4115	50
SEP 22-22	<.20	4115	50
SEP 22-22	--	4115	50
SEP 22-22	<.20	4115	50
SEP 22-22	--	4115	50
SEP 22-22	<.20	4115	50

02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA—continued.

Date	Time	Ending time	Medium code	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	Aluminum, suspnd sedimnt total, percent (30221)	Antimony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryllium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chromium, suspnd sedimnt total, ug/g (29829)
AUG 11...	1015	--	1	2.97	15	81350	4.4	2.5	14	680	1	6.4	180
AUG 12-12	1903	1954	1	3.58	69	81350	9.0	2.1	5.6	470	2	2.5	74
AUG 12-12	2009	2054	1	4.40	170	81350	9.1	3.6	8.1	400	4	3.3	70
AUG 12-12	2109	2154	1	3.88	103	81350	7.4	3.4	9.7	410	3	3.0	70
AUG 12-12	2209	2324	1	3.65	78	81350	3.2	1.7	4.3	400	M	1.1	45
AUG 12-13	2339	0041	1	3.65	78	81350	2.3	1.6	3.5	370	M	.8	37
SEP 22-22	1521	1523	1	3.87	102	81350	7.4	1.6	4.9	400	1	1.6	62
SEP 22-22	1551	1623	1	5.88	398	81350	5.8	1.7	3.6	330	2	1.0	47
SEP 22-22	1651	1723	1	8.45	892	81350	3.1	.4	1.5	160	M	.2	30
SEP 22-22	1751	1823	1	9.74	1180	81350	<.100	3.3	7.1	450	2	1.3	81
SEP 22-22	1851	1923	1	8.04	808	81350	8.3	2.7	7.7	450	2	1.2	74

Date	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Manganese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molybdenum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selenium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Strontium, suspnd sedimnt total, ug/g (35040)	Thallium, suspnd sedimnt ug/g (49955)
AUG 11...	95	73	9.4	78	16	22000	--o	8	130	1	<1	130	<100
AUG 12-12	39	100	5.1	100	30	3500	.11	<2	44	1	<1	140	<100
AUG 12-12	38	280	4.5	130	28	2600	--o	6	46	2	<1	150	<100
AUG 12-12	29	190	4.0	140	27	2800	--o	4	190	2	<2	220	<200
AUG 12-12	20	44	2.9	50	21	5800	--o	<2	24	M	<1	340	<100
AUG 12-13	14	29	2.5	41	18	4000	--o	<2	20	M	<1	310	<150
SEP 22-22	30	74	4.0	84	22	2800	.12	4	39	M	<.5	89	<50
SEP 22-22	21	77	2.9	70	16	1300	.10	4	28	M	<.5	82	<50
SEP 22-22	8	19	1.7	26	7	440	.03	1	12	M	<.5	45	<50
SEP 22-22	25	120	4.8	150	30	1100	.11	6	44	M	<.5	75	<50
SEP 22-22	27	94	4.7	130	30	2400	.18	6	47	M	<.5	100	<50

02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA—continued.

Date	Titanium, suspnd sedimnt total, percent (30317)	Vanadium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Sampler type, code (84164)	Sampling method, code (82398)
AUG 11...	.230	92	2400	<100	2	3044	70
AUG 12-12	.410	130	830	<100	433	3044	70
AUG 12-12	.360	110	1200	<100	311	3044	70
AUG 12-12	.280	89	1200	<200	144	3044	70
AUG 12-12	.130	41	810	<100	90	3044	70
AUG 12-13	.089	33	160	<150	95	3044	70
SEP 22-22	.410	110	620	<50	762	4115	50
SEP 22-22	.300	83	450	<50	809	4115	50
SEP 22-22	.220	52	130	<50	6640	4115	50
SEP 22-22	.550	140	500	<50	815	4115	50
SEP 22-22	.430	120	450	<50	330	4115	50

Date	Time	Medium code	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)
AUG 11...	1001	9	2.96	14	80020	M	<.5	<.5	<.5	M	<1	<5	<1

Date	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)
AUG 11...	<1	E2	<1	<2	<.5	<.5	E.1	<.5	<.5	E.1	M	E1	M

Date	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)
AUG 11...	.6	E.2	<.5	<1	<.5	<.5	E1	M	E.3	<.5	E5	M	<.5

02203655 SOUTH RIVER AT FOREST PARK ROAD, AT ATLANTA, GA—continued.

Date	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)
AUG													
11...	<1	<.5	E.1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5

Date	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)
AUG													
11...	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	E.1	<1	<.5	E.1	1.2

Date	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
AUG					
11...	E.1	E.1	<1.00	3044	10

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this report:
   d -- Diluted sample: method hi range exceeded
   n -- Below the NDV

Null value qualifier codes used in this report:
   o -- Insufficient amount of water

02203657 SOUTH RIVER TRIBUTARY AT CONSTITUTION ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°41'35", long 84°21'44" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03070103, at culvert on Constitution Road, 1.2 miles upstream of South River, and 0.2 miles east of GA 54.

DRAINAGE AREA.—1.45 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 14, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
MAY													
06...	0930	81350	--	--	--	--	--	--	--	--	--	--	--
06...	0930	80020	--	--	--	--	--	--	--	--	--	--	--
06...	0931	81345	80	--	5.6	--	6.7	224	18.0	57	13	16.7	3.68
JUL													
14...	1045	81345	--	740	6.4	75	7.0	184	21.5	65	11	18.1	4.74
14...	1046	80020	--	--	--	--	--	--	--	--	--	--	--
14...	1047	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	7.85	.9	16.1	34	43.6	<.02	24.2	<.02	13.6	11.0	129	.18	.50
JUL													
14...	3.42	.6	10.4	25	53.7	<.1	11.4	.1	18.5	13.2	117	.16	.03
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203657 SOUTH RIVER TRIBUTARY AT CONSTITUTION ROAD, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	.388	.93	1.90d	.970	.337	.11	.01	2.25	44000	20200k	>242000k	54.3	340
JUL													
14...	.026	1.00	1.00d	<.100	--	<.026	.01	1.19	120	880	30800	48.3	<100
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	9.3	2.1	17
06...	--	22	202	31	.09	<.8	3.7	.73	11.7	<.20	--	--	--
06...	60	<50	284	--	--	--	--	--	--	--	--	--	--
JUL													
14...	70	<50	200	--	--	--	--	--	--	--	--	--	--
14...	--	2	186	10	E.03n	<.8	1.0	E.07n	1.13	<.20	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
MAY													
06...	320	2	1.4	86	34	150	6.1	110	30	2800	.28	14	63
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
MAY													
06...	1	<.5	36	<50	.390	150	300	<50	27	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	<50	10	M	M

02203657 SOUTH RIVER TRIBUTARY AT CONSTITUTION ROAD, AT ATLANTA, GA—continued.

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	500	2	M	100	24	92	6.1	85	27	1100	--o	4	55

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	E.1	E.1	E.1	E.1	E1	M	<5
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M	<5
14...	.5	<.5	66	1.0	180	180	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<1	<1	E4	M	5	E.1	3.5	E.1	E.1	<.5	E.2	2	2
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<1	<1	M	M	M	E.1	<.5	M	M	<.5	<.5	<2	<2
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	1	2.2	E.3	.5	<1	<.5	<.5	2	<1	E.2	E.1	E6	M
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	M	2.0	E.1	M	<1	<.5	<.5	<2	<1	E.1	<.5	E3	<1
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203657 SOUTH RIVER TRIBUTARY AT CONSTITUTION ROAD, AT ATLANTA, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	E.1	M	E.1	E.1	<.5	E.1	<.5	<.5	<.5	E.5	<.5	<.5	<.5
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.5	<1	M	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	E.1	M	M	M	.6	2.1	M	E.1	<.5	E.3	M	<.5	E.1
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.5	M	<2	M	E.3	<.5	M	<.5	<.5	<.5	<1	<.5	M
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
MAY						
06...	--	--	--	--	3070	10
06...	2.8	E.1	E.1	<1.00	3070	10
06...	--	--	--	--	3070	10
JUL						
14...	--	--	--	--	3070	10
14...	1.7	M	M	<1.00	3070	10
14...	--	--	--	--	3070	70

Remark codes used in this report:
- < -- Less than
- > -- Greater than
- E -- Estimated value
- M -- Presence verified, not quantified

Value qualifier codes used in this report:
- d -- Diluted sample: method hi range exceeded
- k -- Counts outside acceptable range
- n -- Below the NDV

Null value qualifier codes used in this report:
- o -- Insufficient amount of water

02203658 TRIBUTARY TO SOUTH RIVER TRIBUTARY AT CONSTITUTION ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°41'35", long 84°21'22" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03070103, at culvert on Constitution Road, 0.5 miles west of US 23 and GA 42, and 0.4 miles east of GA 54.

DRAINAGE AREA.—0.27 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 14, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
MAY													
06...	0820	81350	--	--	--	--	--	--	--	--	--	--	--
06...	0820	80020	--	--	--	--	--	--	--	--	--	--	--
06...	0821	81345	34	--	6.6	--	6.6	155	17.5	58	24	16.2	4.29
JUL													
14...	0945	81345	--	740	6.8	76	6.9	159	19.5	56	18	14.0	4.97
14...	0946	80020	--	--	--	--	--	--	--	--	--	--	--
14...	0947	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	4.20	.3	4.91	14	33.8	<.02	6.38	.2	16.4	14.1	99	.13	.04
JUL													
14...	2.21	.4	6.45	19	37.6	<.1	9.71	<.1	22.6	14.2	106	.14	.02
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203658 TRIBUTARY TO SOUTH RIVER TRIBUTARY AT CONSTITUTION ROAD, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	.028	2.61	2.69d	.080	.196	.06	.03	3.14	2700	5800	105000	47.2	<100
JUL													
14...	.019	2.11	2.11d	<.100	.083	.027	.01	2.31	280	580	46100	37.7	<100
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	15	1.1	12
06...	--	18	61.1	36	.07	<.8	3.6	.19	1.52	<.20	--	--	--
06...	60	<50	<100	--	--	--	--	--	--	--	--	--	--
JUL													
14...	60	<50	<100	--	--	--	--	--	--	--	--	--	--
14...	--	E1n	77.1	27	.10	<.8	1.0	<.08	.98	<.20	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
MAY													
06...	330	2	1.7	330	55	120	7.0	110	40	3000	--o	26	200
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
MAY													
06...	1	<.5	36	<50	.540	220	540	<50	7	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	<50	12	M	M

02203658 TRIBUTARY TO SOUTH RIVER TRIBUTARY AT CONSTITUTION ROAD, AT ATLANTA, GA—continued.

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	350	2	M	110	32	130	7.7	110	25	1200	.09	1	49

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1	<5
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M	<5
14...	.8	<.5	37	.730	230	340	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<1	<1	<5	<1	<2	<.5	<.5	M	M	<.5	E.1	<2	<2
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<1	1.9	M	<.5	M	<.5	<.5	<2	<1	E.1	<.5	<5	<1
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<1	<.5	M	<.5	<1	<.5	<.5	<2	<1	<.5	<.5	<5	<1
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203658 TRIBUTARY TO SOUTH RIVER TRIBUTARY AT CONSTITUTION ROAD, AT ATLANTA, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<.5	<1	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M	<.5
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)
MAY													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<.5	M	<2	<.5	E.3	<.5	<.5	<.5	<.5	E.1	<1	<.5	E.1
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.5	M	<2	<.5	.6	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
MAY						
06...	--	--	--	--	3070	10
06...	<.5	<.5	<.5	<1.00	3070	10
06...	--	--	--	--	3070	10
JUL						
14...	--	--	--	--	3070	10
14...	<.5	<.5	<.5	<1.00	3070	10
14...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
n -- Below the NDV

Null value qualifier codes used in this report:
o -- Insufficient amount of water

ALTAMAHA RIVER BASIN
2003 Water Year

02203682 INTRENCHMENT CREEK TRIBUTARY AT GRACEWOOD AVENUE, AT ATLANTA, GA

LOCATION.—Lat 33°43’59”, long 84°20’46” referenced to North American Datum (NAD) of 1983, Dekalb County, Hydrologic Unit Code 03070103, at culvert on Gracewood Avenue, 1.1 miles upstream of Intrenchment Creek, and 0.2 miles east of US 23 and GA 42.

DRAINAGE AREA.—0.22 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 15, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
MAY													
07...	1430	80020	--	--	--	--	--	--	--	--	--	--	--
07...	1431	81345	12	745	5.9	64	6.3	160	18.0	54	17	15.7	3.44
JUL													
15...	0900	81345	1.8	735	6.9	78	6.2	133	19.5	43	14	11.3	3.49
15...	0901	80020	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	3.72	.4	7.35	22	36.9	<.02	9.47	<.02	15.3	12.2	99	.13	.18
JUL													
15...	2.71	.5	7.09	25	28.6	<.1	10.9	<.1	21.1	6.7	91	.12	.03
15...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203682 INTRENCHMENT CREEK TRIBUTARY AT GRACEWOOD AVENUE, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	.137	1.96	2.01d	.050	.205	.07	.05	2.63	170000	40200k	816000	51.9	170
JUL													
15...	.026	2.39	2.39d	<.100	.000	.000	.02	2.58	1500	1880	68700	59.1	<100
15...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)
MAY													
07...	--	25	72.6	37	.11	<.8	3.3	.64	1.51	<.20	E.1	<.5	<.5
07...	60	<50	<100	--	--	--	--	--	--	--	--	--	--
JUL													
15...	60	<50	<100	--	--	--	--	--	--	--	--	--	--
15...	--	4	41.5	39	.08	<.8	2.0	E.05n	1.14	<.20	<.5	<.5	<.5

Date	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)
MAY													
07...	<.5	<2	M	<5	<1	<1	<5	<1	<2	E.1	<.5	E.2	<.5
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<.5	<2	M	<5	<1	<1	<5	<1	M	E.1	<.5	M	<.5

Date	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)
MAY													
07...	<.5	<.5	<2	<2	<1	.5	2.0	E.1	M	M	<.5	<2	M
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<.5	<.5	<2	<2	M	.6	E.2	M	<1	M	<.5	<2	<1

02203682 INTRENCHMENT CREEK TRIBUTARY AT GRACEWOOD AVENUE, AT ATLANTA, GA—continued.

Date	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limo-nene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)
MAY													
07...	1.0	E.1	<5	<1	M	<1	E.1	E.1	M	<.5	<.5	<.5	<.5
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	E.2	<.5	<5	<1	<.5	<1	E.1	M	M	<.5	<.5	<.5	<.5

Date	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)
MAY													
07...	E.4	<.5	<.5	<.5	<.5	M	<2	M	.6	<.5	M	E1.2	<.5
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	E.1	<.5	<.5	<.5	<.5	M	<2	M	E.2	<.5	M	E1.4	<.5

Date	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
MAY										
07...	E.1	M	E.1	E.1	E.3	E.1	E.1	<1.00	3070	10
07...	--	--	--	--	--	--	--	--	3070	10
JUL										
15...	--	--	--	--	--	--	--	--	3044	10
15...	<.5	<1	<.5	M	E.3	<.5	M	<1.00	3044	10

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the NDV

ALTAMAHA RIVER BASIN
2003 Water Year

02203686 INTRENCHMENT CREEK AT CUSTER AVENUE, AT ATLANTA, GA

LOCATION.—Lat 33°42’58”, long 84°20’41” referenced to North American Datum (NAD) of 1983, Dekalb County, Hydrologic Unit Code 03070103, at culvert on Custer Avenue, 3.5 miles upstream of South River, and 0.2 miles east of US 23 and GA 42.

DRAINAGE AREA.—8.31 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 15, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Noncarb Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
MAY													
07...	1215	81350	--	--	--	--	--	--	--	--	--	--	--
07...	1215	80020	--	--	--	--	--	--	--	--	--	--	--
07...	1216	81345	29	744	6.9	77	6.4	172	19.5	60	18	17.4	3.88
JUL													
15...	0915	81345	30	735	7.8	92	6.7	149	21.5	52	9	14.6	3.67
15...	0916	80020	--	--	--	--	--	--	--	--	--	--	--
15...	0917	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	4.38	.4	7.54	20	41.6	<.02	9.22	<.02	16.0	13.6	106	.14	.15
JUL													
15...	3.27	.5	7.46	23	42.3	<.1	9.33	.1	20.1	8.6	99	.13	.14
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203686 INTRENCHMENT CREEK AT CUSTER AVENUE, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	.119	1.90	1.90d	<.020	.150	.05	.04	2.96	940	580	45500	53.8	<100
JUL													
15...	.105	1.30	1.30d	<.100	--	<.036	.02	1.63	470	440	24800	45.3	<100
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	12	1.5	16
07...	--	16	102	25	.11	<.8	3.2	.41	1.74	<.20	--	--	--
07...	70	<50	<100	--	--	--	--	--	--	--	--	--	--
JUL													
15...	70	<50	280	--	--	--	--	--	--	--	--	--	--
15...	--	2	270	10	E.03n	<.8	.9	E.06n	1.35	<.20	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
MAY													
07...	440	3	1.4	200	26	130	6.3	130	42	970	--o	14	160
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
MAY													
07...	1	M	50	<50	.660	160	380	<50	7	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	<50	10	M	M

02203686 INTRENCHMENT CREEK AT CUSTER AVENUE, AT ATLANTA, GA—continued.

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	610	2	1	78	27	89	6.1	76	43	640	--o	2	54

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Coprost-anol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	E.3	M	M	E.1	<2	M	<5
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	M	<.5	<.5	<.5	<2	M	<5
15...	.6	<.5	49	.860	150	220	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	<1	<1	M	<1	<2	E.1	<.5	E.1	<.5	<.5	<.5	<2	<2
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<1	<1	<5	<1	<2	E.1	E.1	E.1	<.5	<.5	M	<2	<2
15...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	<1	<.5	.9	E.1	M	<.5	<.5	<2	M	E.1	E.1	E2	<1
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<1	<.5	.7	M	<1	<.5	<.5	E1	M	.6	<.5	E5	M
15...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203686 INTRENCHMENT CREEK AT CUSTER AVENUE, AT ATLANTA, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	M	<1	M	E.1	M	<.5	<.5	<.5	<.5	E.3	<.5	M	<.5
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<.5	<1	M	M	M	<.5	<.5	<.5	<.5	E.1	<.5	<.5	<.5
15...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributylphosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenylphosphate, water, fltrd, ug/L (62092)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	E.1	<1	<2	M	<.5	<.5	M	E1.9	<.5	E.1	M	<.5	E.1
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<.5	M	<2	M	1.2	<.5	M	E1.0	<.5	E.2	M	E.1	E.1
15...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
MAY						
07...	--	--	--	--	3070	70
07...	1.0	E.1	E.1	<1.00	3070	10
07...	--	--	--	--	3070	10
JUL						
15...	--	--	--	--	3070	10
15...	E.4	M	E.1	<1.00	3070	10
15...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
n -- Below the NDV

Null value qualifier codes used in this report:
o -- Insufficient amount of water

ALTAMAHA RIVER BASIN
2003 Water Year

02203693 INTRENCHMENT CREEK AT KEY ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°42'04", long 84°19'56" referenced to North American Datum (NAD) of 1927, Dekalb County, Hydrologic Unit Code 03070103, at culvert on Key Road, 1.5 miles upstream of South River, and 0.3 miles east of Bouldercrest Road.

DRAINAGE AREA.—10.0 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 15, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
MAY													
07...	1015	81350	--	--	--	--	--	--	--	--	--	--	--
07...	1015	80020	--	--	--	--	--	--	--	--	--	--	--
07...	1016	81345	150	745	7.5	84	6.9	218	20.0	61	--	18.3	3.64
JUL													
15...	0750	81345	23	735	7.7	92	7.1	176	22.5	54	4	14.9	4.09
15...	0751	80020	--	--	--	--	--	--	--	--	--	--	--
15...	0752	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	5.91	.8	13.8	31	69.8	.7	19.0	<.02	8.91	15.4	134	.18	.31
JUL													
15...	3.44	.5	8.52	24	50.0	.1	12.3	.1	15.3	9.9	104	.14	.37
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203693 INTRENCHMENT CREEK AT KEY ROAD, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	.242	1.18	1.18d	<.020	.543	.18	.04	3.17	<10k	<10k	<10k	39.3	310
JUL													
15...	.288	1.03	1.03d	<.100	--	<.044	.01	1.56	620	1200	54800	42.9	140
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	13	2.5	18
07...	--	17	120	22	.10	E.8n	5.6	.65	2.04	<.20	--	--	--
07...	70	<50	150	--	--	--	--	--	--	--	--	--	--
JUL													
15...	70	<50	340	--	--	--	--	--	--	--	--	--	--
15...	--	4	333	7	E.03n	<.8	1.3	.14	1.61	<.20	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
MAY													
07...	390	3	1.6	120	22	120	7.9	160	50	790	.16	8	70
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
MAY													
07...	M	1	71	<50	.650	210	580	<50	46	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	<50	11	M	M

02203693 INTRENCHMENT CREEK AT KEY ROAD, AT ATLANTA, GA—continued.

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	600	2	1	91	25	100	5.8	120	36	1100	.29	2	57

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	E.5	E.1	E.1	E.1	E1	<1	<5
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	E.1	<.5	M	<.5	<2	M	<5
15...	1.6	M	75	1.0	150	290	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	<1	<1	E1	<1	<2	E.1	E.2	E.1	M	<.5	E.1	2	2
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<1	<1	E1	<1	<2	E.1	E.1	E.1	M	<.5	<.5	M	M
15...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	M	<.5	2.8	E.2	M	M	<.5	2	M	E.5	<.5	E6	M
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	M	<.5	E.3	M	M	<.5	<.5	E1	M	.6	<.5	E7	M
15...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203693 INTRENCHMENT CREEK AT KEY ROAD, AT ATLANTA, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	<.5	<1	M	E.1	<.5	<.5	<.5	<.5	<.5	.8	<.5	E.1	<.5
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<.5	<1	M	M	M	<.5	<.5	<.5	<.5	E.1	<.5	<.5	<.5
15...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributylphosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenylphosphate, water, fltrd, ug/L (62092)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	E.1	2	M	M	2.5	<.5	M	E.1	E.1	9.9	M	E.1	E.4
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	M	M	<2	M	E.3	<.5	M	<.5	<.5	.6	M	<.5	E.1
15...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
MAY						
07...	--	--	--	--	3070	10
07...	1.9	.6	E.4	<1.00	3070	10
07...	--	--	--	--	3070	10
JUL						
15...	--	--	--	--	3070	10
15...	.6	E.1	E.1	<1.00	3070	10
15...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the NDV

ALTAMAHA RIVER BASIN
2003 Water Year

02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA

LOCATION.—Lat 33°41'20", long 84°19'50" referenced to North American Datum (NAD) of 1927, Hydrologic Unit 03070103, Dekalb County, at the culvert on Constitution Road, 0.5 miles upstream from confluence with South River, 1.1 miles east of US 23, 1.0 miles southeast of Thomasville, and 2.0 miles south of Atlanta.

DRAINAGE AREA.—10.6 square miles, approximately.

COOPERATION.—City of Atlanta.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 4, 2003 to September 30, 2003**.**

GAGE.—Satellite telemetry with water-stage recorder and continuous water-quality monitor. Datum of gage is 787.92 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.85 feet, May 6; minimum gage-height recorded, 1.82 feet, September 12-14.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 4, 2003 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6* DATUM 787.92 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	2.24	2.34	6.05	2.46	2.18
2	---	---	---	---	---	---	---	2.37	---	2.82	2.44	2.06
3	---	---	---	---	---	---	---	2.86	---	2.68	2.43	2.10
4	---	---	---	---	---	---	2.49	2.98	3.27	2.52	2.52	2.05
5	---	---	---	---	---	---	2.61	3.73	2.66	2.60	2.35	2.02
6	---	---	---	---	---	---	3.02	7.13	2.44	2.47	2.34	2.05
7	---	---	---	---	---	---	3.51	3.73	4.00	2.35	1.96	1.96
8	---	---	---	---	---	---	3.02	3.70	3.29	2.10	1.93	---
9	---	---	---	---	---	---	2.95	3.04	3.03	2.05	1.92	---
10	---	---	---	---	---	---	2.93	2.77	2.33	3.17	1.91	---
11	---	---	---	---	---	---	2.61	2.48	2.32	2.86	1.90	---
12	---	---	---	---	---	---	2.41	2.65	2.40	2.52	1.91	1.83
13	---	---	---	---	---	---	2.38	2.51	3.36	2.44	2.08	1.83
14	---	---	---	---	---	---	2.37	2.31	2.95	2.17	2.01	2.08
15	---	---	---	---	---	---	2.37	4.69	2.79	2.13	1.90	2.01
16	---	---	---	---	---	---	2.37	5.15	3.02	2.23	1.90	2.21
17	---	---	---	---	---	---	2.52	3.31	4.02	2.30	1.90	2.29
18	---	---	---	---	---	---	2.63	5.44	5.33	2.07	1.89	1.90
19	---	---	---	---	---	---	2.57	3.51	3.85	1.95	1.89	1.84
20	---	---	---	---	---	---	2.38	3.23	3.35	1.95	2.03	1.84
21	---	---	---	---	---	---	2.45	2.79	3.17	1.93	1.89	1.84
22	---	---	---	---	---	---	2.75	5.23	2.52	1.99	1.88	2.74
23	---	---	---	---	---	---	2.71	3.59	2.37	2.76	1.89	2.44
24	---	---	---	---	---	---	2.60	3.22	2.34	2.45	1.87	2.35
25	---	---	---	---	---	---	3.63	3.05	2.31	2.41	1.86	2.30
26	---	---	---	---	---	---	2.93	2.59	2.28	2.12	1.86	2.00
27	---	---	---	---	---	---	2.75	2.46	2.38	1.96	1.88	1.86
28	---	---	---	---	---	---	2.30	2.43	3.49	1.93	2.44	1.86
29	---	---	---	---	---	---	2.27	2.40	3.21	1.92	2.08	1.86
30	---	---	---	---	---	---	2.25	2.38	3.49	2.49	2.48	1.86
31	---	---	---	---	---	---	---	2.37	---	2.65	2.20	---
MEAN	---	---	---	---	---	---	---	3.30	---	2.45	2.06	---
MAX	---	---	---	---	---	---	---	7.13	---	6.05	2.52	---
MIN	---	---	---	---	---	---	---	2.24	---	1.92	1.86	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6* DATUM 787.92 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	2.24	2.34	6.05	2.46	2.18
2	---	---	---	---	---	---	---	2.37	---	2.82	2.44	2.06
3	---	---	---	---	---	---	---	2.86	---	2.68	2.43	2.10
4	---	---	---	---	---	---	2.49	2.98	3.27	2.52	2.52	2.05
5	---	---	---	---	---	---	2.61	3.73	2.66	2.60	2.35	2.02
6	---	---	---	---	---	---	3.02	7.13	2.44	2.47	2.34	2.05
7	---	---	---	---	---	---	3.51	3.73	4.00	2.35	1.96	1.96
8	---	---	---	---	---	---	3.02	3.70	3.29	2.10	1.93	---
9	---	---	---	---	---	---	2.95	3.04	3.03	2.05	1.92	---
10	---	---	---	---	---	---	2.93	2.77	2.33	3.17	1.91	---
11	---	---	---	---	---	---	2.61	2.48	2.32	2.86	1.90	---
12	---	---	---	---	---	---	2.41	2.65	2.40	2.52	1.91	1.83
13	---	---	---	---	---	---	2.38	2.51	3.36	2.44	2.08	1.83
14	---	---	---	---	---	---	2.37	2.31	2.95	2.17	2.01	2.08
15	---	---	---	---	---	---	2.37	4.69	2.79	2.13	1.90	2.01
16	---	---	---	---	---	---	2.37	5.15	3.02	2.23	1.90	2.21
17	---	---	---	---	---	---	2.52	3.31	4.02	2.30	1.90	2.29
18	---	---	---	---	---	---	2.63	5.44	5.33	2.07	1.89	1.90
19	---	---	---	---	---	---	2.57	3.51	3.85	1.95	1.89	1.84
20	---	---	---	---	---	---	2.38	3.23	3.35	1.95	2.03	1.84
21	---	---	---	---	---	---	2.45	2.79	3.17	1.93	1.89	1.84
22	---	---	---	---	---	---	2.75	5.23	2.52	1.99	1.88	2.74
23	---	---	---	---	---	---	2.71	3.59	2.37	2.76	1.89	2.44
24	---	---	---	---	---	---	2.60	3.22	2.34	2.45	1.87	2.35
25	---	---	---	---	---	---	3.63	3.05	2.31	2.41	1.86	2.30
26	---	---	---	---	---	---	2.93	2.59	2.28	2.12	1.86	2.00
27	---	---	---	---	---	---	2.75	2.46	2.38	1.96	1.88	1.86
28	---	---	---	---	---	---	2.30	2.43	3.49	1.93	2.44	1.86
29	---	---	---	---	---	---	2.27	2.40	3.21	1.92	2.08	1.86
30	---	---	---	---	---	---	2.25	2.38	3.49	2.49	2.48	1.86
31	---	---	---	---	---	---	---	2.37	---	2.65	2.20	---
MEAN	---	---	---	---	---	---	---	3.30	---	2.45	2.06	---
MAX	---	---	---	---	---	---	---	7.13	---	6.05	2.52	---
MIN	---	---	---	---	---	---	---	2.24	---	1.92	1.86	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6* DATUM 787.92 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	0.00	0.00	---	0.00	0.00
2	---	---	---	---	---	---	---	0.68	0.00	---	0.00	0.00
3	---	---	---	---	---	---	---	0.30	0.51	0.00	1.16	0.11
4	---	---	---	---	---	---	0.01	0.00	0.35	0.00	0.00	0.00
5	---	---	---	---	---	---	0.14	1.83	0.00	0.76	0.00	0.00
6	---	---	---	---	---	---	0.60	1.04	0.42	0.00	0.07	0.00
7	---	---	---	---	---	---	0.82	0.73	0.48	0.01	0.00	0.00
8	---	---	---	---	---	---	0.07	0.00	0.00	0.00	0.00	0.00
9	---	---	---	---	---	---	0.12	0.00	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	0.07	0.00	0.00	2.19	0.00	0.00
11	---	---	---	---	---	---	0.00	0.22	0.19	0.21	0.00	0.00
12	---	---	---	---	---	---	0.00	0.00	0.02	0.00	0.13	0.00
13	---	---	---	---	---	---	0.00	0.00	0.33	0.00	0.11	0.00
14	---	---	---	---	---	---	0.00	0.04	0.29	0.00	0.00	0.62
15	---	---	---	---	---	---	0.00	1.93	0.02	0.00	0.00	0.00
16	---	---	---	---	---	---	0.00	0.46	0.03	0.00	0.43	0.00
17	---	---	---	---	---	---	0.33	0.04	0.89	0.00	0.00	0.00
18	---	---	---	---	---	---	0.00	1.16	2.40	0.00	0.00	0.00
19	---	---	---	---	---	---	0.00	0.00	0.01	0.00	0.23	0.00
20	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.01	0.00
21	---	---	---	---	---	---	0.07	0.41	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	0.01	1.19	0.00	0.40	0.00	1.62
23	---	---	---	---	---	---	0.00	0.00	0.00	0.61	0.00	0.01
24	---	---	---	---	---	---	0.31	0.00	0.00	0.00	0.00	0.00
25	---	---	---	---	---	---	1.19	0.01	0.00	0.00	0.00	0.00
26	---	---	---	---	---	---	0.00	0.10	0.00	0.00	0.00	0.00
27	---	---	---	---	---	---	0.00	0.00	---	0.00	0.00	0.03
28	---	---	---	---	---	---	0.00	0.00	---	0.00	0.14	0.00
29	---	---	---	---	---	---	0.00	0.00	---	0.00	0.01	0.00
30	---	---	---	---	---	---	0.00	0.00	---	0.55	0.38	0.00
31	---	---	---	---	---	---	---	0.00	---	0.09	0.00	---
TOTAL	---	---	---	---	---	---	---	10.14	---	---	2.67	2.39

ALTAMAHA RIVER BASIN
2003 Water Year

02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA

LOCATION.—Lat. 33°41'20", Long. 84°19'50" referenced to North American Datum (NAD) of 1927, Dekalb County, Hydrologic Unit 03070103, at the culvert on Constitution Road, 0.5 miles upstream from confluence with South River, 1.1 miles east of US 23, 1.0 miles southeast of Thomasville, and 2.0 miles south of Atlanta.

DRAINAGE AREA.—10.6 square miles, approximately.

COOPERATION.—City of Atlanta.

PERIOD OF RECORD.—July 1974 to March 1994; March 1999 to July 2000; June 3, 2003 to September 30, 2003.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: June 3, 2003 to September 30, 2003.
pH: June 3, 2003 to September 30, 2003.
WATER TEMPERATURE: June 3, 2003 to September 30, 2003.
DISSOLVED OXYGEN: June 3, 2003 to September 30, 2003.
TURBIDITY: June 3, 2003 to September 30, 2003.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good, except for turbidity, dissolved oxygen and pH, which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 393 microsiemens, August 13, 2003; minimum recorded, 38 microsiemens, July 10, 2003.
pH: Maximum recorded, 7.3 units, August 27, 2003; minimum recorded, 6.1 units, September 22, 2003.
WATER TEMPERATURE: Maximum recorded, 27.7°C, August 19, 22, 31, September 1, 2003; minimum recorded, 13.8°C, September 30, 2003.
DISSOLVED OXYGEN: Maximum recorded, 9.7 mg/L, September 14, 2003; minimum recorded, 2.1 mg/L, June 7, 2003.
TURBIDITY: Maximum recorded, 1,900 NTU, August 28, 2003; minimum recorded, <5.0 NTU, on several days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6 DATUM 787.92 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
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U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
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U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	239	51	143	209	164	188	228	195	205
2	---	---	---	224	155	180	223	176	202	222	183	201
3	---	---	---	290	117	234	197	114	156	236	210	222
4	338	184	235	241	157	210	191	101	165	223	205	216
5	242	178	225	243	84	196	181	167	175	230	200	211
6	178	153	168	235	143	206	198	169	182	225	218	221
7	265	68	178	247	157	205	202	158	168	223	204	215
8	205	153	177	157	140	144	161	150	155	---	---	---
9	223	195	212	161	144	152	163	150	157	---	---	---
10	214	176	190	165	38	118	162	158	160	---	---	---
11	177	167	171	275	67	172	164	158	162	---	162	---
12	316	161	169	319	161	178	165	157	163	181	162	174
13	340	71	252	180	163	170	393	157	234	179	175	177
14	236	151	192	186	161	172	389	173	302	177	105	168
15	185	151	166	172	128	162	173	166	168	225	105	130
16	259	179	205	276	128	190	172	---	---	319	225	267
17	220	84	163	219	170	184	---	---	---	227	195	208
18	196	67	133	185	166	175	---	---	---	206	188	197
19	221	126	200	168	165	167	---	---	---	191	179	183
20	242	216	231	169	164	167	166	138	146	187	179	182
21	231	211	220	165	159	162	156	141	149	189	176	182
22	225	177	201	163	146	159	161	155	158	183	48	149
23	178	169	174	270	99	166	165	161	163	322	124	220
24	172	168	170	195	148	166	168	157	163	207	170	191
25	169	165	168	232	176	207	166	158	161	202	188	194
26	169	165	167	255	170	222	169	164	167	209	200	204
27	170	142	165	175	163	168	173	166	170	200	196	198
28	283	81	183	165	161	163	171	77	146	197	187	192
29	222	139	157	167	162	165	269	134	234	191	185	188
30	211	111	171	335	84	142	274	73	222	188	182	185
31	---	---	---	214	131	170	249	153	219	---	---	---
MONTH	---	---	---	335	38	175	---	---	---	---	---	---

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pH, water, unfiltered, field, standard units
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	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
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pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	7.1	6.8	6.9	6.8	6.7	6.7	6.7	6.6	6.7
2	---	---	---	7.0	6.7	6.8	6.9	6.7	6.8	6.8	6.7	6.7
3	---	---	---	7.0	6.8	6.8	6.8	6.6	6.7	6.8	6.7	6.7
4	7.2	6.8	6.9	6.9	6.8	6.8	7.0	6.5	6.7	6.8	6.7	6.7
5	6.9	6.7	6.8	6.9	6.6	6.8	6.8	6.5	6.6	6.8	6.6	6.7
6	6.9	6.8	6.8	6.9	6.8	6.8	6.8	6.7	6.8	6.8	6.7	6.7
7	7.0	6.9	7.0	6.8	6.7	6.8	6.8	6.6	6.6	6.8	6.7	6.7
8	7.0	6.8	6.9	7.0	6.8	6.9	6.7	6.7	6.7	---	---	---
9	7.0	6.8	6.9	7.0	6.8	6.8	6.8	6.7	6.8	---	---	---
10	6.9	6.8	6.8	7.0	6.3	6.8	6.8	6.7	6.7	---	---	---
11	6.9	6.9	6.9	6.9	6.3	6.8	6.8	6.7	6.7	---	---	---
12	7.1	6.8	6.9	7.0	6.6	6.7	6.9	6.8	6.8	6.9	6.1	6.9
13	7.1	6.9	7.0	6.9	6.7	6.8	7.1	6.7	6.8	7.0	6.7	6.8
14	7.0	6.7	6.8	6.9	6.7	6.7	7.1	6.8	6.9	7.0	6.4	6.8
15	6.7	6.7	6.7	7.0	6.6	6.8	6.8	6.8	6.8	6.8	6.4	6.5
16	6.9	6.7	6.7	6.9	6.6	6.8	7.0	6.8	6.8	6.9	6.6	6.8
17	7.2	6.7	6.9	6.8	6.6	6.7	7.0	7.0	7.0	6.6	6.4	6.5
18	7.2	6.5	6.7	6.8	6.6	6.7	7.0	7.0	7.0	6.6	6.5	6.5
19	7.0	6.6	6.7	6.8	6.8	6.8	7.1	7.0	7.0	6.7	6.6	6.6
20	6.9	6.6	6.8	6.9	6.8	6.8	7.0	6.8	6.9	6.7	6.6	6.6
21	6.8	6.6	6.6	6.9	6.8	6.8	7.0	6.8	6.9	6.7	6.6	6.6
22	6.9	6.6	6.6	7.0	6.7	6.8	7.1	6.9	6.9	7.1	6.1	6.6
23	6.8	6.6	6.6	7.0	6.8	6.9	7.2	6.9	7.0	7.0	6.6	6.8
24	6.8	6.8	6.8	6.9	6.7	6.7	7.2	6.9	6.9	6.8	6.6	6.6
25	6.8	6.8	6.8	7.0	6.7	6.9	7.2	6.9	7.0	7.0	6.8	6.8
26	6.9	6.8	6.8	6.9	6.7	6.8	7.2	6.9	7.0	6.8	6.6	6.6
27	7.1	6.8	6.9	6.9	6.8	6.9	7.3	6.9	7.0	6.8	6.7	6.7
28	7.2	6.8	6.9	6.9	6.8	6.9	7.0	6.8	6.9	6.8	6.7	6.7
29	6.9	6.6	6.6	7.0	6.9	6.9	6.8	6.7	6.7	6.8	6.7	6.7
30	7.0	6.6	6.8	7.1	6.7	6.9	6.8	6.4	6.8	6.8	6.7	6.7
31	---	---	---	7.0	6.7	6.8	6.7	6.6	6.7	---	---	---
MAX	---	---	---	7.1	6.9	6.9	7.3	7.0	7.0	---	---	---
MIN	---	---	---	6.8	6.3	6.7	6.7	6.4	6.6	---	---	---

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Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
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U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6 DATUM 787.92 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
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U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6 DATUM 787.92 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	22.4	21.0	21.7	25.7	22.9	24.0	27.7	23.7	25.1
2	---	---	---	23.2	21.3	22.1	26.2	23.2	24.4	26.6	22.8	24.5
3	---	---	---	24.9	21.0	22.7	26.3	23.1	24.6	26.0	23.1	24.4
4	23.9	20.1	21.5	25.4	21.9	23.2	25.8	23.6	24.4	26.4	22.9	24.4
5	23.6	19.4	21.2	24.4	21.8	23.0	26.9	23.5	24.7	26.1	22.0	23.9
6	21.4	19.1	20.4	25.0	22.3	23.5	25.1	22.4	23.9	23.6	22.2	23.0
7	23.0	20.7	21.7	26.9	22.6	24.1	26.0	21.6	23.4	22.6	20.8	21.6
8	24.7	21.5	22.5	23.3	21.1	22.3	26.1	22.0	23.8	---	---	---
9	24.9	20.6	22.3	24.0	21.0	22.5	25.4	21.3	23.4	---	---	---
10	25.0	19.1	21.9	24.6	21.9	23.0	25.7	21.6	23.5	---	---	---
11	25.5	21.3	23.1	26.2	22.3	23.9	24.7	21.3	22.9	---	---	---
12	24.3	21.2	22.8	26.6	22.8	24.3	24.2	20.9	22.6	23.6	19.2	21.0
13	24.8	21.9	22.9	26.3	22.7	24.0	25.6	22.3	23.4	23.3	18.6	20.8
14	25.6	22.1	23.2	24.8	22.4	23.5	27.0	22.2	24.2	23.3	19.5	21.2
15	25.9	21.7	23.5	25.5	21.5	23.2	27.6	22.8	24.9	24.4	21.0	22.3
16	26.5	22.1	23.9	25.9	21.8	23.7	---	---	---	24.4	19.5	21.8
17	24.7	21.3	23.1	27.3	23.2	24.7	---	---	---	25.2	21.1	22.4
18	23.9	21.9	22.9	26.3	22.9	24.4	---	---	---	23.2	18.3	20.7
19	25.0	22.2	23.3	26.9	22.5	24.3	27.7	---	---	22.9	17.8	20.2
20	25.7	21.9	23.4	27.0	22.5	24.6	26.3	23.9	24.9	24.2	18.5	21.0
21	25.9	20.5	22.7	26.0	22.5	24.2	27.0	22.9	24.6	23.0	19.4	21.3
22	24.4	19.4	21.8	24.6	22.5	23.5	27.7	22.6	24.8	23.2	21.3	21.9
23	24.8	19.3	21.9	24.6	21.4	23.1	27.0	23.1	24.9	24.1	20.2	21.9
24	25.1	20.1	22.4	25.5	21.4	23.0	27.3	22.6	24.7	24.4	20.3	22.0
25	25.4	20.4	22.7	25.3	21.2	23.0	27.2	23.7	25.0	24.8	20.6	22.3
26	24.4	20.8	22.6	25.9	22.0	23.5	27.4	22.6	24.8	23.9	20.2	21.7
27	23.5	20.5	22.1	25.7	21.4	23.4	27.1	22.8	24.8	23.4	19.1	21.2
28	23.8	21.1	22.3	26.4	22.1	24.1	26.5	22.9	24.5	21.5	17.9	20.1
29	24.7	21.5	22.7	26.5	22.7	24.4	27.2	23.1	24.9	19.0	15.1	16.9
30	24.2	21.7	22.6	25.7	22.3	23.9	26.9	23.0	24.8	18.9	13.8	16.1
31	---	---	---	25.8	23.2	24.0	27.7	23.8	25.3	---	---	---
MONTH	---	---	---	27.3	21.0	23.5	---	---	---	---	---	---

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Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
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Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
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WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	8.7	5.6	7.4	---	---	---	---	---	---
2	---	---	---	7.8	6.4	6.9	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	6.4	6.0	6.2	---	---	---	---	---	---	---	---	---
5	6.2	4.5	5.6	---	---	---	---	---	---	---	---	---
6	5.9	4.9	5.7	---	---	---	---	---	---	---	---	---
7	7.1	2.1	5.6	---	---	---	---	---	---	---	---	---
8	6.2	5.6	5.9	---	---	---	---	---	---	---	---	---
9	5.7	3.8	5.2	---	---	---	---	---	---	---	---	---
10	6.0	3.7	5.0	---	2.4	---	---	---	---	---	---	---
11	6.4	5.9	6.1	7.4	3.0	6.1	---	---	---	8.1	---	---
12	6.5	6.0	6.3	6.8	6.4	6.6	---	---	---	8.6	6.3	7.3
13	7.0	5.6	6.5	7.0	6.0	6.5	6.4	5.1	5.5	9.2	6.7	7.6
14	5.8	4.8	5.3	6.5	4.6	5.8	5.4	3.5	4.7	9.7	6.5	7.7
15	5.6	4.4	4.9	6.9	5.6	6.5	5.4	4.8	5.2	6.5	5.6	5.9
16	6.0	4.2	5.4	6.5	5.6	6.1	---	---	---	7.0	5.8	6.6
17	8.1	4.0	6.0	6.6	4.3	5.7	---	---	---	6.9	5.8	6.4
18	8.5	5.2	7.1	6.3	4.4	5.2	---	---	---	6.1	3.5	4.7
19	7.2	4.8	5.8	6.8	5.8	6.4	---	---	---	6.9	5.5	6.5
20	5.7	4.7	5.2	6.7	6.2	6.5	6.6	5.5	6.0	7.1	5.9	6.4
21	6.0	3.3	4.7	6.7	6.2	6.5	7.5	5.4	6.2	7.7	6.3	7.0
22	6.0	3.0	4.6	7.0	5.0	6.4	7.7	5.4	6.4	8.9	6.2	7.3
23	7.1	5.5	6.6	7.3	5.6	6.6	8.1	5.4	6.4	8.4	7.3	8.1
24	7.3	6.6	6.9	7.3	6.5	7.0	8.9	5.4	6.6	8.5	7.7	8.1
25	7.3	6.6	7.0	7.2	5.9	6.5	9.2	5.6	6.8	7.8	5.7	6.5
26	7.5	6.7	7.1	6.2	4.3	5.6	9.5	5.4	6.9	6.5	3.8	5.1
27	8.0	6.9	7.4	6.7	5.2	6.2	9.5	5.4	6.8	7.5	5.4	6.9
28	8.3	6.5	7.3	6.5	5.5	6.3	8.1	5.1	6.3	7.5	6.7	7.1
29	7.5	7.1	7.4	---	---	---	---	---	---	8.3	7.5	7.9
30	7.5	5.7	6.8	---	---	---	---	---	---	8.9	7.7	8.4
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
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< Actual value is known to be less than the value shown

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Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
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30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334120 LONGITUDE 0841950 NAD27 DRAINAGE AREA 10.6 CONTRIBUTING DRAINAGE AREA 10.6 DATUM 787.92 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	890	71	270	56	20	32	36	18	21
2	---	---	---	210	40	86	65	30	43	260	20	32
3	---	---	---	---	---	---	940	33	58	390	11	21
4	160	27	69	---	---	---	280	35	47	510	7.0	11
5	69	14	52	1600	24	40	71	20	42	94	5.3	9.1
6	170	13	17	170	23	30	85	27	36	60	11	16
7	750	19	78	61	18	29	29	9.5	13	23	10	15
8	92	32	65	45	11	16	43	8.7	11	---	---	---
9	56	9.9	20	70	10	14	28	7.2	9.6	---	---	---
10	31	6.1	9.7	---	---	---	19	7.0	8.3	---	---	---
11	77	6.7	9.6	---	---	---	24	6.6	9.1	---	---	---
12	17	7.5	11	110	66	84	46	7.1	9.0	42	5.5	7.2
13	630	8.9	22	82	53	64	65	6.0	11	45	5.3	6.9
14	120	24	37	140	12	79	28	6.7	12	520	5.4	7.0
15	60	32	52	320	10	16	16	5.6	7.0	180	16	32
16	50	27	37	74	20	47	---	---	---	73	38	51
17	1100	36	110	47	19	26	---	---	---	48	24	32
18	1300	95	220	130	19	40	---	---	---	36	9.4	15
19	190	36	64	61	13	28	---	---	---	17	8.7	10
20	57	32	48	29	12	18	260	13	24	26	7.1	8.8
21	---	---	---	56	24	45	16	<5.0	6.6	25	8.2	9.7
22	---	---	---	180	49	85	11	<5.0	6.7	1600	8.9	17
23	---	---	---	810	---	---	20	<5.0	6.4	230	53	98
24	50	9.0	11	---	13	---	14	<5.0	5.5	110	51	73
25	47	9.2	11	43	14	32	24	<5.0	5.3	95	31	52
26	24	8.0	11	---	---	---	150	<5.0	6.4	38	18	29
27	110	7.5	11	---	---	---	60	5.1	12	30	16	19
28	340	20	57	---	---	---	1900	5.0	18	28	18	22
29	61	8.9	16	---	---	---	320	24	57	110	23	25
30	270	12	31	1100	8.3	96	1300	15	27	90	23	38
31	---	---	---	610	53	92	100	18	32	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

ALTAHAHA RIVER BASIN
2003 Water Year

02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA

LOCATION.—Lat 33°41’20", long 84°19’50” referenced to North American Datum (NAD) of 1927, Dekalb County, Hydrologic Unit Code 03070103, on upstream right bank of Constitution Road, 0.5 miles upstream from confluence with South River, 1.1 miles east of US 23, 1.0 miles southeast of Thomasville, and 2.0 miles south of Atlanta.

DRAINAGE AREA.—10.6 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—July 1974 to March 1994; March 10, 1999 to July 13, 2000; June 3, 2003 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S.Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Medium code	Gage height, feet (00065)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)
AUG													
13...	0750	--	9	1.92	81345	10	5.1	59	7.0	159	22.5	49	4
13...	0751	--	9	1.92	80020	10	5.1	59	7.0	159	22.5	--	--
13...	0805	--	9	1.93	81345	9.8	5.2	60	7.0	160	22.5	50	5
13...	0806	--	9	1.93	80020	9.8	5.2	60	7.0	160	22.5	--	--
AUG													
13-13	1447	1529	9	2.30	81345	32	6.3	--	6.9	164	25.5	47	4
AUG													
13-13	1448	1530	9	2.30	80020	32	6.3	--	6.9	164	25.5	--	--
AUG													
13-13	1557	1959	9	2.30	81345	13	5.5	--	7.1	376	25.0	89	--
AUG													
13-13	1558	2000	9	2.30	80020	13	5.5	--	7.1	376	25.0	--	--

02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA—continued.

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)
AUG													
13...	12.9	4.03	3.15	.5	8.09	25	45.1	.1	11.9	.1	15.3	8.1	96
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	13.1	4.06	3.32	.5	8.30	25	44.6	.1	11.9	.1	15.3	8.1	97
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
13-13	12.5	3.88	3.27	.6	8.81	27	43.1	.1	13.1	.1	14.7	7.3	95
AUG													
13-13	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
13-13	26.3	5.64	5.46	1	28.5	39	90.0	.1	43.8	<.1	18.0	12.4	200
AUG													
13-13	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Total nitrogen, wat flt by analysis, mg/L (62854)	E coli, Colilert Quantry water, MPN/ 100 mL (50468)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	Total coliform, Colert Quantry MPN/ 100 mL (50569)
AUG													
13...	.13	.20	.158	1.11	1.11d	<.100	.025	.008	M	1.76	4200	7800	242000
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	.13	.20	.157	1.17	1.17d	<.100	--	<.112	<.01	1.82	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
13-13	.13	.20	.155	1.04	1.04d	<.100	--	<.068	.01	1.59	--	--	--
AUG													
13-13	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
13-13	.27	2.27	1.76	.57	.570d	<.100	--	<.038	.01	3.06	--	--	--
AUG													
13-13	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Strontium, water, fltrd, ug/L (01080)	Aluminum, water, fltrd, ug/L (01106)	Manganese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Sampler type, code (84164)
AUG													
13...	35.4	<100	60	<50	190	--	--	--	--	--	--	--	3044
13...	--	--	--	E1n	170	4	<.04	<.8	1.4	.11	1.33	<.20	3044
13...	36.7	<100	60	<50	180	--	--	--	--	--	--	--	3070
13...	--	--	--	E1n	161	6	E.02n	<.8	1.4	.12	1.38	<.20	3070
AUG													
13-13	31.3	320	60	<50	<100	--	--	--	--	--	--	--	4115
AUG													
13-13	--	--	--	6	51.9	14	<.04	<.8	2.0	.34	1.56	<.20	4115
AUG													
13-13	53.7	130	130	<50	300	--	--	--	--	--	--	--	4115
AUG													
13-13	--	--	--	5	246	8	E.04n	<.8	2.7	.15	2.81	<.20	4115

02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA—continued.

Date	Sampling method, code (82398)
AUG	
13...	10
13...	10
13...	70
13...	70
AUG	
13-13	50
AUG	
13-13	50
AUG	
13-13	50
AUG	
13-13	50

Date	Time	Ending time	Medium code	Gage height, feet (00065)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Aluminum, suspnd sedimnt total, percent (30221)	Antimony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryllium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chromium, suspnd sedimnt total, ug/g (29829)
AUG													
13...	0810	--	1	1.93	81350	9.8	6.8	2.4	32	630	1	3.1	90
AUG													
13-13	1447	1529	1	2.30	81350	32	1.8	.3	1.2	190	M	<.2	32
AUG													
13-13	1557	1959	1	2.30	81350	13	1.1	.9	2.3	330	M	<.4	43

Date	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mercury suspnd sedimnt total, ug/g (29841)	Molybdenum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selenium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Strontium, suspnd sedimnt total, ug/g (35040)	Thallium, suspnd sedimnt ug/g (49955)	Titanium, suspnd sedimnt total, percent (30317)
AUG													
13...	90	94	14	160	21	.46	2	110	1	<1	74	<100	.380
AUG													
13-13	5	17	1.4	17	4	.04	<2	11	M	<1	66	<100	.290
AUG													
13-13	8	21	1.2	17	6	--o	<3	13	M	<2	540	<200	.080

Date	Vanadium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Sampler type, code (84164)	Sampling method, code (82398)
AUG						
13...	130	710	<100	7	3070	70
AUG						
13-13	32	64	<100	578	4115	50
AUG						
13-13	18	60	<200	162	4115	50

02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA—continued.

Date	Time	Medium code	Gage height, feet (00065)	Agency analyzing sample, code (00028)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)
AUG 13...	0751	9	1.92	80020	M	<.5	<.5	<.5	<2	<1	<5	<1	<1

Date	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)
AUG 13...	<5	<1	<2	<.5	E.1	E.1	<.5	<.5	E.1	<2	<2	M	E.5

Date	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)
AUG 13...	E.2	<.5	<1	<.5	<.5	<2	<1	E.3	<.5	<5	<1	<.5	<1

Date	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)
AUG 13...	M	<.5	M	<.5	<.5	<.5	<.5	<.5	<.5	M	<.5	<.5	<1

Date	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributylphosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenylphosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)
AUG 13...	<2	M	E.3	<.5	M	<.5	<.5	E.2	<1	<.5	E.1	E.3	E.1

Date	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
AUG 13...	E.1	<1.00	3044	10

02203700 INTRENCHMENT CREEK NEAR ATLANTA, GA—continued.

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified
Value qualifier codes used in this report:
   d -- Diluted sample: method hi range exceeded
   n -- Below the NDV

ALTAMAHA RIVER BASIN
2003 Water Year

02203800 SOUTH RIVER AT BOULDERCREST ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°40’46”, long 84°18’30” referenced to North American Datum (NAD) of 1927, Dekalb County, Hydrologic Unit Code 03070103, at bridge on Bouldercrest Road, 1.7 miles downstream of Intrenchment Creek, and 0.4 miles east of Interstate 285.

DRAINAGE AREA.—41.5 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—July 1975 to March 1994; February 1999 to July 2000;
March 20, 2003 to July 14, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Noncarb Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
MAY													
07...	0845	81350	--	--	--	--	--	--	--	--	--	--	--
07...	0845	80020	--	--	--	--	--	--	--	--	--	--	--
07...	0847	81345	160	741	6.4	71	6.6	129	19.0	41	13	11.5	3.04
JUL													
14...	0745	81345	11	740	5.8	69	7.0	179	22.5	60	14	17.0	4.21
14...	0746	80020	--	--	--	--	--	--	--	--	--	--	--
14...	0747	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	3.59	.4	5.97	22	27.7	<.02	7.31	<.02	8.77	12.0	72	.10	.11
JUL													
14...	3.47	.6	9.92	25	46.1	<.1	12.4	.2	15.5	16.9	111	.15	.07
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203800 SOUTH RIVER AT BOULDERCREST ROAD, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	.084	.70	.700d	<.020	.043	.01	.02	1.69	3600	3500	133000	40.0	190
JUL													
14...	.051	.59	.590d	<.100	--	<.074	.01	.82	300	460	3290	42.5	260
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	12	2.8	10
07...	--	28	88.2	24	.11	<.8	4.7	.98	2.71	<.20	--	--	--
07...	50	<50	<100	--	--	--	--	--	--	--	--	--	--
JUL													
14...	80	<50	300	--	--	--	--	--	--	--	--	--	--
14...	--	7	293	23	.09	<.8	2.2	.56	1.58	<.20	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
MAY													
07...	400	2	1.9	200	34	120	6.8	170	49	1500	.23	5	150
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
MAY													
07...	M	M	54	<50	.480	160	430	<50	91	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	<50	5.5	M	M

02203800 SOUTH RIVER AT BOULDERCREST ROAD, AT ATLANTA, GA—continued.

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	310	1	1	74	28	44	3.1	44	17	880	.13	8	51

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	E.1	<.5	<.5	<.5	M	M	<5
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	E.1	<.5	<.5	<.5	<2	<1	<5
14...	.7	<.5	96	.515	86	160	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	<1	<1	E1	<1	M	E.1	E.2	E.1	M	<.5	E.1	E1	E1
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<1	<1	E1	<1	<2	E.1	E.1	M	M	<.5	E.1	<2	<2
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	<1	<.5	.7	E.1	M	M	<.5	E1	M	E.2	E.1	E3	M
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	M	.7	E.4	<.5	M	<.5	<.5	E1	M	E.5	<.5	E5	<1
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203800 SOUTH RIVER AT BOULDERCREST ROAD, AT ATLANTA, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	<.5	<1	M	E.1	<.5	<.5	<.5	<.5	<.5	E.2	<.5	M	<.5
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.5	<1	M	M	<.5	<.5	<.5	<.5	<.5	E.1	<.5	<.5	<.5
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributylphosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenylphosphate, water, fltrd, ug/L (62092)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	M	M	M	M	.6	E.1	M	M	<.5	.6	<1	<.5	E.1
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.5	M	<2	M	.7	<.5	M	<.5	<.5	E.3	<1	<.5	E.1
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
MAY						
07...	--	--	--	--	3070	8010
07...	.8	E.3	E.1	<1.00	3061	10
07...	--	--	--	--	3061	10
JUL						
14...	--	--	--	--	3060	10
14...	.9	E.2	E.2	<1.00	3060	10
14...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded

ALTAMAHA RIVER BASIN
2003 Water Year

02203812 SUGAR CREEK TRIBUTARY AT GA 154, AT ATLANTA, GA

LOCATION.—Lat 33°44'50", long 84°18'58" referenced to North American Datum (NAD) of 1983, Dekalb County, Hydrologic Unit Code 03070103, at culvert on GA 154, 0.4 miles upstream of Sugar Creek, and 1.4 miles west of GA 155.

DRAINAGE AREA.—1.05 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to August 14, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
MAY													
07...	1030	81350	--	--	--	--	--	--	--	--	--	--	--
07...	1030	80020	--	--	--	--	--	--	--	--	--	--	--
07...	1031	81345	22	741	8.0	87	6.8	181	18.0	66	26	18.5	4.75
JUL													
15...	0745	81345	4.4	735	8.0	91	6.8	165	20.0	54	17	15.0	4.09
15...	0746	80020	--	--	--	--	--	--	--	--	--	--	--
15...	0747	81350	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	1345	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	3.97	.4	6.63	17	39.6	<.02	9.21	<.02	14.3	18.7	110	.15	.06
JUL													
15...	3.19	.5	7.78	23	37.3	<.1	13.3	<.1	16.6	11.5	103	.14	.04
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203812 SUGAR CREEK TRIBUTARY AT GA 154, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	.044	2.25	2.29d	.040	.132	.04	.02	2.84	3400	3400	48600	68.8	<100
JUL													
15...	.030	2.05	2.05d	<.100	--	<.028	.01	2.25	1300	1950	77000	67.2	<100
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	12	1.4	16
07...	--	28	85.0	33	.10	<.8	5.0	.32	1.49	<.20	--	--	--
07...	70	<50	<100	--	--	--	--	--	--	--	--	--	--
JUL													
15...	80	<50	<100	--	--	--	--	--	--	--	--	--	--
15...	--	2	63.3	18	.04	<.8	1.0	E.06n	.82	<.20	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
MAY													
07...	490	3	1.8	240	27	140	7.5	170	40	1200	--o	18	170
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
MAY													
07...	1	1	110	<50	.660	170	620	<50	7	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	<100	8.4	M	M
AUG													
14...	--	--	--	--	--	--	--	--	--	<50	10	M	M

02203812 SUGAR CREEK TRIBUTARY AT GA 154, AT ATLANTA, GA—continued.

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	670	2	1	110	25	100	6.1	200	28	1700	.20	2	46
AUG													
14...	550	2	1	100	21	95	5.4	230	33	1100	.33	2	47

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Coprost-anol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1	<5
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M	<5
15...	.9	<1	74	1.4	160	410	--	--	--	--	--	--	--
AUG													
14...	.9	<.5	64	1.1	150	470	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	<1	<1	<5	<1	<2	E.2	<.5	M	M	<.5	<.5	<2	<2
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<1	<1	<5	<1	<2	E.1	<.5	M	<.5	<.5	<.5	<2	<2
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	<1	<.5	.7	<.5	<1	E.1	<.5	<2	<1	E.1	<.5	<5	<1
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	M	.5	M	M	<1	<.5	<.5	<2	<1	E.2	<.5	<5	<1
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02203812 SUGAR CREEK TRIBUTARY AT GA 154, AT ATLANTA, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	M	<1	E.1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M	<.5
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<.5	<1	M	M	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)
MAY													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
07...	<.5	<1	<2	M	E.2	<.5	E.1	E.2	<.5	<.5	<1	<.5	<.5
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<.5	M	<2	<.5	E.3	<.5	M	E.2	<.5	<.5	<1	<.5	M
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
MAY						
07...	--	--	--	--	3070	10
07...	E.1	<.5	<.5	<1.00	3070	10
07...	--	--	--	--	3070	10
JUL						
15...	--	--	--	--	3070	10
15...	E.2	<.5	<.5	<1.00	3070	10
15...	--	--	--	--	3070	70
AUG						
14...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
n -- Below the NDV

Null value qualifier codes used in this report:
o -- Insufficient amount of water

02204068 TRIBUTARY TO SOUTH RIVER AT FLAT BRIDGE ROAD, NEAR CONYERS, GA

LOCATION.—Lat 33°37'48", long 84°07'55" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103,

DRAINAGE AREA.—1.25 square miles, approximately.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.—June 2, 2003 (invertebrates) and June 12, 2003 (fishes).

REMARKS.—Data collection protocols used are from draft versions of the Standard Operating Procedures: Freshwater Macroinvertebrate Biological Assessment (Georgia Environmental Protection Division, 2002) and Standard Operating Procedures for Conducting Biomonitoring on Fish Communities in the Piedmont Ecoregion of Georgia (Georgia Department of Natural Resources, 2000). William Pennington and Associates of Cookeville, Tennessee identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 80 meters. Fish abbreviations: TL-total length in millimeters, SL-standard length in millimeters. Weight is measured in grams.

Invertebrates

Taxa	Abundance Multi-habitat	Visual
MOLLUSCA		
Bivalvia		
Corbiculidae		
Corbicula fluminea	4	2
INSECTA		
Collembola		
Isotomidae	1	0
Ephemeroptera		
Baetidae	3	0
Ephemeridae		
Hexagenia sp.	1	0
Heptageniidae		
Stenonema modestum	54	10
Isonychiidae		
Isonychia sp.	21	1
Odonata		
Aeshnidae		
Boyeria sp.	0	1
Boyeria grafiana	1	0
Boyeria vinosa	2	0
Calopterygidae		
Calopteryx sp.	1	0
Gomphidae		
Gomphus sp.	1	1

02204068 TRIBUTARY TO SOUTH RIVER AT FLAT BRIDGE ROAD, NEAR CONYERS, GA —continued.

Taxa	Abundance Multi-habitat	Visual
Plecoptera		
Perlidae		
Acroneuria abnormis	3	0
Perlesta placida sp. gp.	16	4
Hemiptera		
Gerridae		
Metrobates sp.	0	2
Veliidae		
Rhagovelia obesa	0	2
Megaloptera		
Corydalidae		
Nigronia serricornis	5	0
Trichoptera		
Cheumatopsyche sp.	56	6
Hydropsyche sp.	0	3
Hydropsyche betteni gp.	2	0
Coleoptera		
Elmidae		
Macronychus glabratus	3	0
Microcylloepus pusillus	3	0
Stenelmis sp.	0	1
Dytiscidae		
Hydroporus sp.	0	1
Gyrinidae		
Dineutus sp.	2	1
Hydrophilidae		
Tropisternus sp.	1	0
Ptilodactylidae		
Anchytarsus bicolor	1	0
Diptera		
Chironomidae	3	0
Ablabesmyia mallochi	2	0
Brillia flavifrons	0	2
Conchapelopia sp.	4	0
Microtendipes pedellus gp.	1	0
Parametriocnemus sp.	12	0
Paratendipes sp.	3	0
Phaenopsectra sp.	1	0
Polypedilum flavum	74	0
Polypedilum halterale	2	0
Polypedilum illinoense	21	6
Rheotanytarsus sp.	17	4
Xylotopus par	1	0
Dixidae		
Dixa sp.	1	1
Dixella sp.	0	1
Muscidae	1	0
Simuliidae		
Simulium sp.	10	0

02204068 TRIBUTARY TO SOUTH RIVER AT FLAT BRIDGE ROAD, NEAR CONYERS, GA —continued.

Taxa	Abundance Multi-habitat	Visual
Tabanidae		
Chrysops sp.	1	0
Tipulidae		
Hexatoma sp.	1	0
Tipula sp.	3	0
CHORDATA		
Caudata	2	0

Fishes

Species	Common name	Count	SL	TL	Weight
Lepomis auritus	redbreast sunfish	1	45	36	1.6
Lepomis auritus	redbreast sunfish	1	54	43	2.6
Lepomis auritus	redbreast sunfish	1	55	45	2.6
Lepomis auritus	redbreast sunfish	1	56	44	2.0
Lepomis auritus	redbreast sunfish	1	56	40	2.1
Lepomis auritus	redbreast sunfish	1	61	48	3.3
Lepomis auritus	redbreast sunfish	1	67	52	5.1
Lepomis auritus	redbreast sunfish	1	71	56	6.4
Lepomis auritus	redbreast sunfish	1	82	65	9.1
Lepomis auritus	redbreast sunfish	1	97	76	14.0
Lepomis gulosus	warmouth	1	51	42	2.7
Lepomis gulosus	warmouth	1	55	44	2.3
Lepomis gulosus	warmouth	1	65	52	3.5
Lepomis macrochirus	bluegill sunfish	1	37	30	0.7
Lepomis macrochirus	bluegill sunfish	1	40	31	1.5
Lepomis macrochirus	bluegill sunfish	1	41	32	2.1
Lepomis macrochirus	bluegill sunfish	1	42	32	1.3
Lepomis macrochirus	bluegill sunfish	1	45	36	1.2
Lepomis macrochirus	bluegill sunfish	1	46	31	1.6
Lepomis macrochirus	bluegill sunfish	1	48	38	1.4
Lepomis macrochirus	bluegill sunfish	1	68	54	4.3
Lepomis macrochirus	bluegill sunfish	1	68	56	5.8
Lepomis microlophus	redear sunfish	1	53	44	1.8
Nocomis leptocephalus	bluehead chub	1	50	41	1.5
Nocomis leptocephalus	bluehead chub	1	53	45	1.8
Nocomis leptocephalus	bluehead chub	1	57	47	2.2
Nocomis leptocephalus	bluehead chub	1	58	49	2.5
Nocomis leptocephalus	bluehead chub	1	59	49	2.4
Nocomis leptocephalus	bluehead chub	1	59	49	2.4
Nocomis leptocephalus	bluehead chub	1	60	50	2.5
Nocomis leptocephalus	bluehead chub	1	61	51	2.9
Nocomis leptocephalus	bluehead chub	1	62	52	2.8
Nocomis leptocephalus	bluehead chub	1	65	54	2.9
Nocomis leptocephalus	bluehead chub	1	65	54	3.4
Nocomis leptocephalus	bluehead chub	1	66	55	3.0
Nocomis leptocephalus	bluehead chub	1	67	55	3.6

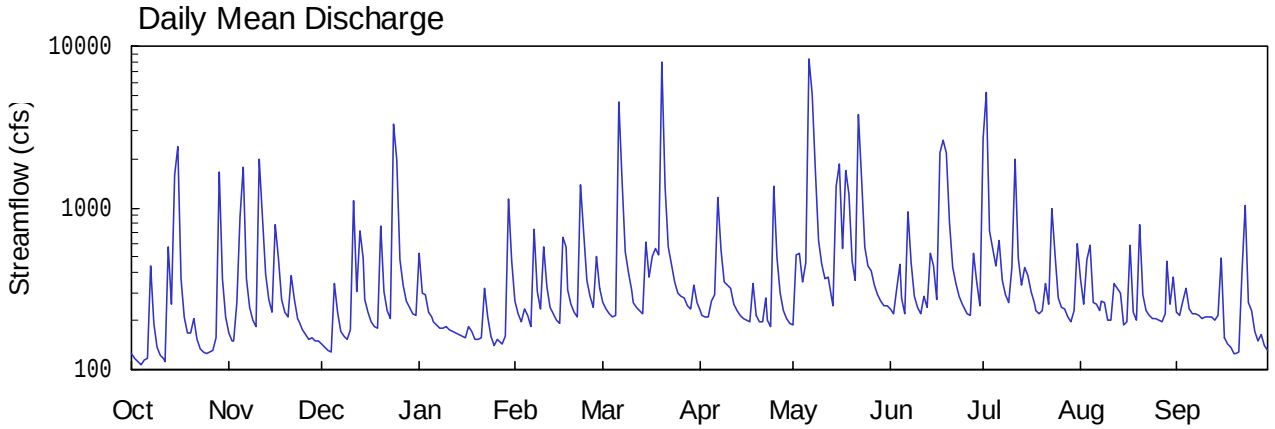
02204068 TRIBUTARY TO SOUTH RIVER AT FLAT BRIDGE ROAD, NEAR CONYERS, GA —continued.

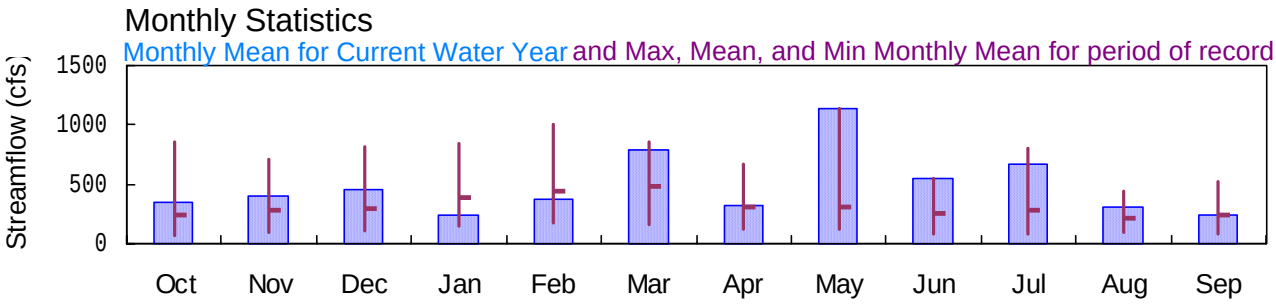
Species	Common name	Count	SL	TL	Weight
Nocomis leptocephalus	bluehead chub	1	68	57	4.0
Nocomis leptocephalus	bluehead chub	1	68	57	3.5
Nocomis leptocephalus	bluehead chub	1	69	58	4.0
Nocomis leptocephalus	bluehead chub	1	69	57	3.9
Nocomis leptocephalus	bluehead chub	1	70	58	4.0
Nocomis leptocephalus	bluehead chub	1	70	59	3.8
Nocomis leptocephalus	bluehead chub	1	72	60	4.0
Nocomis leptocephalus	bluehead chub	1	72	60	4.6
Nocomis leptocephalus	bluehead chub	1	73	61	4.8
Nocomis leptocephalus	bluehead chub	1	75	63	4.9
Nocomis leptocephalus	bluehead chub	1	77	65	6.1
Nocomis leptocephalus	bluehead chub	1	80	63	6.6
Nocomis leptocephalus	bluehead chub	1	82	67	7.5
Nocomis leptocephalus	bluehead chub	1	85	72	7.6
Nocomis leptocephalus	bluehead chub	1	91	77	10.3
Nocomis leptocephalus	bluehead chub	1	96	80	11.0
Nocomis leptocephalus	bluehead chub	1	100	84	13.0
Nocomis leptocephalus	bluehead chub	1	102	88	14.9
Nocomis leptocephalus	bluehead chub	1	104	87	15.8
Nocomis leptocephalus	bluehead chub	1	106	90	16.1
Nocomis leptocephalus	bluehead chub	1	108	90	17.0
Nocomis leptocephalus	bluehead chub	1	108	90	16.3
Nocomis leptocephalus	bluehead chub	1	117	99	21.3
Notropis lutipinnis	yellowfin shiner	1	48	40	1.3
Notropis lutipinnis	yellowfin shiner	1	52	42	1.6
Notropis lutipinnis	yellowfin shiner	1	52	49	2.2
Notropis lutipinnis	yellowfin shiner	1	52	42	1.5
Notropis lutipinnis	yellowfin shiner	1	54	44	1.8
Notropis lutipinnis	yellowfin shiner	1	54	44	1.9

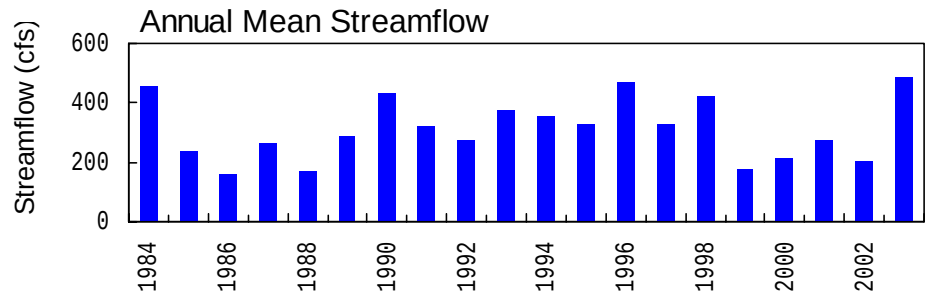
2003 Water Year

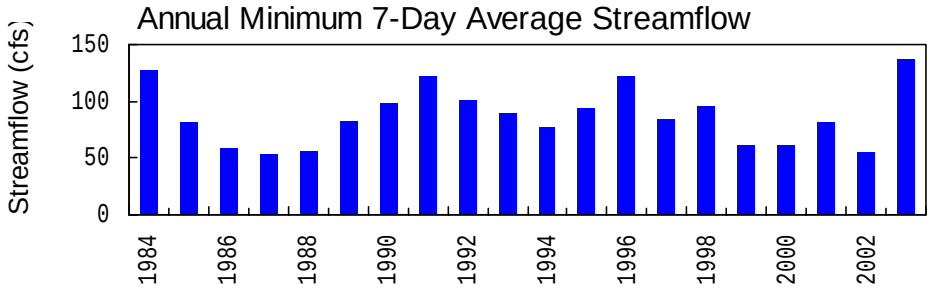
02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA

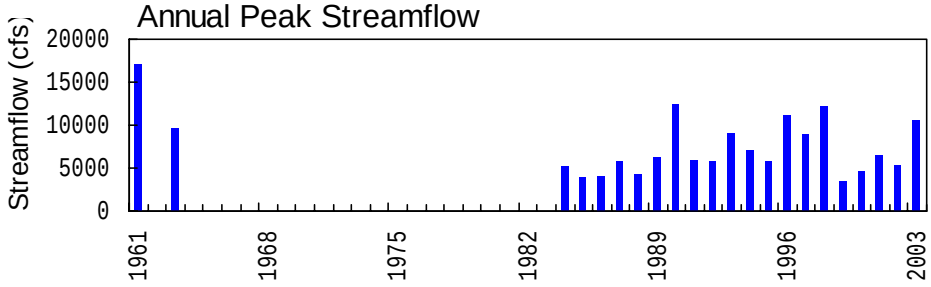
Latitude: 33°37'47" Longitude: 084°07'43" Hydrologic Unit Code: 03070103 De kalb County
Drainage Area: 182.0 mi^2 Datum: 660.9 feet











ALTAMAHA RIVER BASIN
2003 Water Year

02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA

LOCATION.—Lat 33°37'47", long 84°07'43" referenced to North American Datum (NAD) of 1927, Dekalb-Rockdale County line, Hydrologic Unit 03070103, at downstream end of pier of bridge on Klondike Road, 1.1 miles south of GA 212, 1.2 miles downstream from Pole Bridge Creek, 5.8 miles southwest of Lithonia, and 8.6 miles downstream from Snapfinger Creek.

DRAINAGE AREA.—182 square miles.

COOPERATION.—Georgia Environmental Protection Division.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—September 29, 1983 to current year.

GAGE.—Satellite telemetry with a water-stage recorder, continuous water-quality monitor, and crest-stage gage. Datum of gage is 660.90 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels from Dekalb County benchmark).

REMARKS.—Records poor.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of April 30, 1963 reached a stage of 11.80 feet, discharge 9,630 cfs.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 4,000 cfs and the maximum (*).

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
10/16	0415	4,790	9.34
11/11	1645	4,450	9.13
12/24	2215	6,730	10.41
03/06	2000	6,980	10.54
03/20	1230	10,500*	12.17
05/06	0745	9,820	11.88
05/22	2215	6,360	10.22
06/17	1245	4,450	9.13
06/18	2030	5,080	9.51
07/02	0600	8,760	11.41
07/11	0445	4,290	9.03

02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—September 29, 1983 to current year.

GAGE.—Satellite telemetry with a water-stage recorder, continuous water-quality monitor, and crest-stage gage. Datum of gage is 660.90 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels from Dekalb County benchmark).

REMARKS.—Records poor.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.17 feet, March 20; minimum gage-height recorded, 5.03 feet, October 2, 4, 5.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 5, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182* DATUM 660.90 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124	170	144	519	265	257	230	187	235	2700	361	227
2	117	152	137	297	220	236	216	507	221	5220	252	215
3	111	149	131	288	196	223	211	529	321	714	481	268
4	108	260	127	225	236	211	209	351	450	565	589	315
5	114	881	341	211	217	218	265	456	279	438	259	239
6	116	e1800	226	198	185	4470	291	8330	222	621	252	223
7	439	367	172	188	734	1490	1150	5090	934	359	229	221
8	193	245	160	181	304	537	548	1690	462	293	267	217
9	137	200	155	182	235	397	352	632	282	260	261	207
10	121	186	176	182	570	308	334	444	240	423	204	210
11	117	1990	1110	176	327	260	319	363	219	2020	e200	211
12	113	882	303	172	245	243	256	377	284	489	e340	210
13	573	392	725	168	219	230	232	282	242	336	e320	204
14	253	269	493	163	200	223	219	250	521	426	e300	215
15	1580	224	271	160	194	614	209	1370	436	380	190	492
16	2410	784	225	156	662	370	204	1870	271	303	199	158
17	363	493	199	184	578	496	200	555	2160	257	588	143
18	212	274	184	171	309	564	338	1700	2620	231	227	136
19	168	228	181	154	251	508	218	1210	2210	220	203	125
20	169	211	779	153	227	8060	200	463	799	229	793	126
21	208	377	305	158	211	1350	198	359	428	342	289	127
22	154	274	232	318	1410	577	278	3780	338	254	233	401
23	135	205	207	213	696	443	200	1530	282	994	217	1040
24	128	195	3280	160	355	346	183	579	251	515	208	e260
25	126	176	2010	140	284	296	1360	437	234	275	208	e230
26	128	163	473	153	244	281	494	409	223	244	201	171
27	130	154	331	151	497	280	295	334	217	234	198	152
28	157	156	264	145	319	249	230	289	520	210	221	165
29	1680	151	240	162	---	239	206	265	349	197	464	142
30	364	150	220	1150	---	331	193	249	248	e230	253	131
31	212	---	216	465	---	260	---	246	---	e600	371	---
TOTAL	10960	12158	14017	7343	10390	24567	9838	35133	16498	20579	9378	7181
MEAN	354	405	452	237	371	792	328	1133	550	664	303	239
MAX	2410	1990	3280	1150	1410	8060	1360	8330	2620	5220	793	1040
MIN	108	149	127	140	185	211	183	187	217	197	190	125
CFSM	1.94	2.23	2.48	1.30	2.04	4.35	1.80	6.23	3.02	3.65	1.66	1.32
IN.	2.24	2.49	2.87	1.50	2.12	5.02	2.01	7.18	3.37	4.21	1.92	1.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2003, BY WATER YEAR (WY)

MEAN	237	284	298	387	441	480	312	305	261	286	215	236
MAX	852	712	817	840	1010	852	666	1133	550	804	447	520
(WY)	1996	1993	1984	1990	1990	1990	1998	2003	2003	1994	1984	1992
MIN	68.0	97.5	112	144	170	165	127	124	84.4	77.9	92.7	82.9
(WY)	1988	2002	1989	1986	1986	1988	1986	1988	1988	1988	2002	1987

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1984 - 2003	
ANNUAL TOTAL	100522		178042			
ANNUAL MEAN	275		488		311	
HIGHEST ANNUAL MEAN					488	2003
LOWEST ANNUAL MEAN					159	1986
HIGHEST DAILY MEAN	3600	Mar 31	8330	May 6	9870	Mar 17 1990
LOWEST DAILY MEAN	52	Sep 11	108	Oct 4	48	Jul 20 1988
ANNUAL SEVEN-DAY MINIMUM	55	Sep 7	137	Oct 22	53	Sep 23 1987
MAXIMUM PEAK FLOW			10500	Mar 20	12500	Mar 17 1990
MAXIMUM PEAK STAGE			12.17	Mar 20	13.03	Mar 17 1990
INSTANTANEOUS LOW FLOW			103	Oct 4		
ANNUAL RUNOFF (CFSM)	1.51		2.68		1.71	
ANNUAL RUNOFF (INCHES)	20.55		36.39		23.24	
10 PERCENT EXCEEDS	493		832		540	
50 PERCENT EXCEEDS	151		251		181	
90 PERCENT EXCEEDS	78		154		96	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182* DATUM 660.90 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.10	5.27	5.20	5.87	5.49	5.48	5.42	5.32	5.43	7.54	5.65	5.41
2	5.07	5.22	5.18	5.55	5.40	5.43	5.39	5.84	5.40	9.32	5.47	5.39
3	5.05	5.22	5.16	5.54	5.34	5.41	5.38	5.89	5.56	6.11	5.74	5.48
4	5.04	5.46	5.15	5.41	5.43	5.38	5.37	5.63	5.78	5.93	5.95	5.57
5	5.06	6.13	5.56	5.38	5.39	5.39	5.47	5.69	5.51	5.76	5.48	5.44
6	5.07	---	5.41	5.35	5.32	8.92	5.53	11.18	5.40	5.99	5.47	5.41
7	5.65	5.66	5.28	5.32	6.12	6.83	6.56	9.25	6.30	5.65	5.42	5.40
8	5.29	5.45	5.25	5.31	5.56	5.90	5.90	7.07	5.79	5.54	5.49	5.39
9	5.14	5.35	5.23	5.31	5.43	5.70	5.64	6.01	5.52	5.48	5.48	5.37
10	5.09	5.32	5.27	5.31	5.90	5.57	5.61	5.77	5.44	5.67	5.36	5.38
11	5.07	7.10	6.50	5.29	5.59	5.48	5.59	5.65	5.40	7.26	---	5.38
12	5.06	6.30	5.56	5.28	5.45	5.45	5.47	5.67	5.53	5.83	---	5.38
13	5.80	5.70	6.07	5.27	5.40	5.42	5.42	5.53	5.45	5.61	---	5.36
14	5.41	5.50	5.83	5.26	5.35	5.41	5.40	5.46	5.87	5.74	---	5.39
15	6.74	5.41	5.50	5.25	5.34	5.94	5.37	6.67	5.75	5.68	5.33	5.81
16	7.55	6.12	5.41	5.24	5.98	5.66	5.36	7.25	5.50	5.56	5.34	5.24
17	5.65	5.83	5.35	5.31	5.94	5.81	5.35	5.91	7.37	5.48	5.93	5.20
18	5.38	5.51	5.31	5.28	5.57	5.92	5.60	7.03	7.66	5.42	5.41	5.18
19	5.27	5.42	5.30	5.23	5.47	5.84	5.39	6.59	7.41	5.40	5.36	5.14
20	5.27	5.38	6.14	5.23	5.41	11.02	5.35	5.80	6.20	5.42	6.16	5.14
21	5.37	5.65	5.56	5.24	5.38	6.71	5.35	5.65	5.75	5.61	5.54	5.15
22	5.23	5.50	5.42	5.55	6.66	5.95	5.50	8.47	5.62	5.46	5.43	5.52
23	5.17	5.36	5.37	5.38	6.08	5.77	5.35	6.87	5.52	6.39	5.39	6.37
24	5.15	5.34	7.94	5.25	5.64	5.63	5.31	5.95	5.46	5.85	5.37	---
25	5.15	5.29	7.18	5.19	5.53	5.55	6.65	5.76	5.43	5.51	5.37	---
26	5.15	5.26	5.81	5.23	5.45	5.52	5.83	5.72	5.41	5.45	5.36	5.28
27	5.16	5.23	5.60	5.22	5.84	5.52	5.55	5.61	5.39	5.43	5.35	5.23
28	5.22	5.24	5.49	5.20	5.59	5.46	5.42	5.54	5.83	5.38	5.40	5.26
29	7.04	5.22	5.44	5.25	---	5.44	5.37	5.49	5.63	5.35	5.77	5.19
30	5.65	5.22	5.40	6.55	---	5.59	5.34	5.46	5.46	---	5.47	5.16
31	5.38	---	5.39	5.79	---	5.48	---	5.46	---	---	5.65	---
MEAN	5.43	---	5.62	5.38	5.61	5.95	5.54	6.30	5.79	---	---	---
MAX	7.55	---	7.94	6.55	6.66	11.02	6.65	11.18	7.66	---	---	---
MIN	5.04	---	5.15	5.19	5.32	5.38	5.31	5.32	5.39	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182* DATUM 660.90 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.32	0.00	0.03	0.00	0.65	0.00	4.27	0.36	0.00
2	0.00	0.00	0.00	0.12	0.00	0.00	0.00	1.52	0.00	0.03	0.00	0.00
3	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.16	0.32	0.00	---	0.47
4	0.03	0.14	0.02	0.00	0.19	0.06	0.01	0.00	0.29	0.00	---	0.07
5	0.01	1.03	0.67	0.00	0.00	0.68	0.24	2.09	0.00	0.18	0.00	0.00
6	0.02	0.00	0.00	0.00	0.71	1.36	0.54	1.93	0.49	0.04	0.04	0.08
7	0.44	0.00	0.00	0.00	0.04	0.16	0.65	0.42	1.01	0.21	0.00	0.00
8	0.01	0.00	0.00	0.00	0.00	0.00	0.07	0.01	0.00	0.03	0.54	0.00
9	0.00	0.01	0.00	0.03	0.07	0.00	0.10	0.00	0.00	0.00	0.00	0.01
10	0.01	0.01	0.94	0.00	0.55	0.00	0.25	0.00	0.00	1.49	0.00	0.00
11	0.00	1.26	0.01	0.00	0.00	0.01	0.01	0.18	0.00	0.06	---	0.00
12	0.17	0.34	0.00	0.00	0.00	0.00	0.00	0.01	0.20	0.00	---	0.00
13	0.92	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.35	0.01	---	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.57	0.42	---	0.25
15	2.37	0.26	0.00	0.00	0.00	0.48	0.00	1.11	0.00	0.18	0.00	0.00
16	0.04	0.72	0.00	0.15	1.60	0.00	0.00	0.74	0.05	0.00	0.17	0.00
17	0.01	0.00	0.00	0.01	0.00	0.55	0.14	0.00	0.71	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.01	0.04	0.01	0.82	0.66	0.00	0.06	0.00
19	0.00	0.01	0.62	0.00	0.00	1.87	0.00	0.08	0.08	0.70	0.39	0.00
20	0.55	0.05	0.04	0.00	0.00	0.66	0.00	0.02	0.00	0.01	0.26	0.00
21	0.01	0.08	0.00	0.05	0.10	0.00	0.03	0.63	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.32	1.28	0.00	0.00	1.05	0.00	0.25	0.00	1.81
23	0.01	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.74	0.00	0.00
24	0.01	0.00	2.05	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	---
25	0.06	0.01	0.01	0.00	0.01	0.00	1.11	0.01	0.00	0.00	0.00	---
26	0.01	0.00	0.00	0.00	0.26	0.62	0.00	0.15	0.00	0.01	0.00	0.00
27	0.00	0.00	0.00	0.00	0.18	0.01	0.00	0.00	0.00	0.00	0.00	0.08
28	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.29	0.01
29	0.21	0.00	0.00	0.64	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.40	---	0.18	0.00	0.00	0.06	---	0.07	0.00
31	0.00	---	0.44	0.00	---	0.00	---	0.00	---	---	0.00	---
TOTAL	5.94	4.20	5.42	2.05	5.00	6.71	3.36	11.64	5.55	---	---	---

ALTAMAHA RIVER BASIN
2003 Water Year

02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA

LOCATION.—Lat 33°37'47", long 84°07'43" referenced to North American Datum (NAD) of 1927, DeKalb-Rockdale County line, Hydrologic Unit 03070103, at downstream end of bridge pier on Klondike Road, 1.1 miles south of GA 212, 1.2 miles downstream from Pole Bridge Creek, 5.8 miles southwest of Lithonia, and 8.6 miles downstream from Snapfinger Creek.

DRAINAGE AREA.—182 square miles.

COOPERATION.—Georgia Environmental Protection Division.

PERIOD OF RECORD.—July 1975 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: December 1999 to current year.
pH: March 2001 to current year.
WATER TEMPERATURE: November 1983 to current year.
DISSOLVED OXYGEN: November 1983 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good, except for dissolved oxygen, which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 496 microsiemens, August 16, 2002; minimum recorded, 29 microsiemens, December 24, 2002.
pH: Maximum recorded, 8.1 units, July 18, 2001; minimum recorded, 6.4 units, September 18, 2002, July 2, 2003.
WATER TEMPERATURE: Maximum recorded, 30.5 °C, July 25, 1995; minimum recorded, 0.5 °C, January 21, 1985.
DISSOLVED OXYGEN: Maximum recorded, 13.2 mg/L, January 8, 1988; minimum recorded, 0.1 mg/L, March 30, 2002.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum, 352 microsiemens, October 4; minimum, 29 microsiemens, December 24.
pH: Maximum, 7.6 units, September 20-22, 30; minimum, 6.4 units, July 2.
WATER TEMPERATURE: Maximum, 27.0 °C, August 15, 26; minimum, 4.1 °C, January 25.
DISSOLVED OXYGEN: Maximum, 12.2 mg/L, January 25; minimum, 0.3 mg/L, March 15, 16.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	297	256	279	237	190	218	261	237	253	190	128	156
2	320	274	295	256	220	241	270	247	262	170	137	159
3	332	301	322	271	240	257	269	234	244	186	161	177
4	352	321	340	269	165	230	245	228	236	204	162	188
5	351	316	336	196	80	158	252	138	205	221	186	206
6	347	273	316	115	69	86	196	159	179	228	205	218
7	343	99	211	151	115	132	236	190	220	217	205	213
8	218	136	178	197	151	182	259	226	248	225	206	217
9	284	218	246	214	185	202	267	240	254	238	214	228
10	312	265	290	247	203	232	248	184	240	240	215	229
11	322	289	310	235	63	141	196	86	112	237	220	231
12	335	303	323	119	80	102	183	129	153	252	224	241
13	331	102	226	150	118	134	202	111	162	251	230	242
14	181	119	156	184	150	171	162	114	144	242	220	228
15	201	57	136	203	174	194	191	155	180	240	221	232
16	102	52	71	212	102	162	222	174	203	246	227	238
17	148	102	126	153	106	125	211	190	206	246	205	235
18	197	148	177	195	153	178	231	198	215	260	201	236
19	236	185	215	210	176	197	243	212	229	284	251	273
20	258	225	244	229	191	219	229	91	138	267	245	258
21	241	197	224	244	154	210	175	120	151	254	232	247
22	250	197	224	203	156	180	216	175	205	247	142	190
23	277	243	257	218	194	208	222	190	213	210	158	188
24	283	251	266	235	209	227	216	29	114	243	189	219
25	295	259	276	252	224	239	122	65	93	234	200	212
26	300	272	286	246	229	239	145	122	132	254	181	225
27	321	272	298	244	231	237	169	145	161	263	226	247
28	312	215	286	269	231	251	184	167	178	245	228	236
29	216	69	106	270	248	258	209	168	195	282	227	264
30	158	110	139	256	236	248	205	186	197	256	90	135
31	203	158	185	---	---	---	205	186	197	152	104	128
MONTH	352	52	237	271	63	195	270	29	191	284	90	216

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	182	152	169	182	155	173	208	173	189	203	184	194
2	209	177	199	199	180	194	211	185	204	193	94	125
3	223	190	213	203	180	196	211	189	203	---	111	---
4	223	182	203	201	180	191	229	192	213	---	---	---
5	202	172	188	203	181	197	224	192	211	---	---	---
6	220	181	210	---	---	---	206	166	175	---	---	---
7	193	101	134	---	---	---	214	88	118	87	---	---
8	165	136	151	146	119	135	142	89	114	105	78	90
9	204	153	193	164	143	155	164	142	156	134	105	122
10	204	111	157	174	153	167	185	163	174	155	134	143
11	156	124	141	186	158	172	185	170	178	171	155	164
12	193	156	180	198	175	192	209	175	195	174	147	158
13	209	175	199	210	176	197	221	197	212	178	156	168
14	222	190	213	207	176	198	215	190	208	191	176	185
15	223	198	215	206	117	164	212	190	205	184	68	126
16	222	108	160	163	122	146	219	197	213	87	53	66
17	138	106	114	192	123	171	221	206	216	138	83	112
18	163	138	154	149	112	124	218	165	186	143	68	103
19	182	156	172	166	85	154	205	172	195	126	71	96
20	197	174	188	85	42	51	229	195	218	157	126	140
21	202	175	194	120	61	96	227	195	216	167	157	161
22	200	66	132	141	120	133	219	151	177	171	42	97
23	130	83	104	159	141	154	218	170	207	66	42	56
24	154	130	147	166	156	162	233	203	224	82	66	74
25	177	151	166	176	158	168	230	60	132	91	82	87
26	186	169	180	183	171	177	130	81	106	95	91	94
27	181	130	156	187	171	179	156	130	148	98	94	96
28	159	129	148	197	175	186	175	150	168	104	98	100
29	---	---	---	202	177	196	181	163	175	110	104	108
30	---	---	---	209	169	194	195	173	187	117	110	114
31	---	---	---	194	171	182	---	---	---	124	114	119
MONTH	223	66	171	---	---	---	233	60	184	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	131	122	128	204	45	122	168	140	157	258	182	231
2	---	---	---	92	45	62	219	168	200	256	222	244
3	---	---	---	141	92	121	223	133	210	239	193	226
4	---	---	---	162	125	150	140	105	119	222	162	185
5	---	---	---	172	158	168	179	140	164	241	193	226
6	---	---	---	167	115	132	209	159	188	246	217	235
7	---	---	---	164	139	156	209	169	198	268	228	251
8	---	---	---	189	164	180	222	132	191	274	241	263
9	---	---	---	196	178	191	207	132	178	249	243	247
10	201	179	190	197	149	187	229	197	220	261	235	245
11	216	191	206	149	57	84	---	209	---	---	---	---
12	203	166	188	168	121	145	---	---	---	---	235	---
13	210	166	199	187	168	177	---	---	---	274	---	---
14	230	127	157	175	136	154	---	---	---	298	248	273
15	158	134	145	180	162	169	240	---	---	277	117	150
16	197	158	187	189	169	180	242	212	234	---	150	---
17	201	54	100	204	183	196	247	76	132	256	---	---
18	121	55	85	216	198	210	200	139	182	269	240	256
19	111	55	78	221	208	216	208	179	200	280	251	268
20	136	108	119	221	198	215	205	71	114	280	259	271
21	164	135	150	211	149	180	182	134	163	290	257	276
22	192	164	182	189	156	177	217	170	198	282	75	243
23	201	183	193	192	91	135	236	201	220	129	66	91
24	201	183	196	152	99	124	251	210	238	---	---	---
25	210	195	203	177	152	167	254	223	244	---	---	---
26	220	193	210	203	177	192	246	227	236	243	206	229
27	225	205	217	215	198	208	252	229	244	259	217	242
28	222	125	181	219	203	214	258	208	244	271	234	256
29	171	128	153	219	207	214	249	95	155	274	221	252
30	205	169	194	---	216	---	225	180	209	273	251	259
31	---	---	---	168	137	145	248	152	182	---	---	---
MONTH	---	---	---	---	45	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.4	7.3	7.4	7.2	7.2	7.2	7.4	7.3	7.3	7.2	7.0	7.1
2	7.4	7.3	7.4	7.3	7.2	7.3	7.4	7.3	7.4	7.1	7.0	7.1
3	7.4	7.4	7.4	7.3	7.3	7.3	7.4	7.3	7.3	7.1	7.1	7.1
4	7.4	7.4	7.4	7.4	7.3	7.3	7.4	7.3	7.3	7.1	7.1	7.1
5	7.5	7.4	7.4	7.3	6.9	7.2	7.4	7.1	7.3	7.2	7.1	7.2
6	7.5	7.4	7.5	7.0	6.8	6.9	7.2	7.1	7.2	7.2	7.2	7.2
7	7.5	7.0	7.3	7.1	7.0	7.1	7.3	7.2	7.2	7.2	7.2	7.2
8	7.4	7.2	7.3	7.2	7.1	7.2	7.3	7.2	7.3	7.2	7.2	7.2
9	7.4	7.4	7.4	7.2	7.2	7.2	7.4	7.3	7.3	7.2	7.2	7.2
10	7.5	7.4	7.4	7.2	7.2	7.2	7.4	7.2	7.3	7.2	7.2	7.2
11	7.5	7.4	7.4	7.3	6.6	6.9	7.2	6.8	7.0	7.3	7.2	7.2
12	7.5	7.4	7.4	7.0	6.7	6.9	7.2	7.1	7.2	7.3	7.2	7.3
13	7.5	7.0	7.4	7.1	7.0	7.0	7.2	7.1	7.2	7.3	7.2	7.3
14	7.3	7.1	7.2	7.2	7.1	7.2	7.2	7.1	7.2	7.3	7.3	7.3
15	7.4	6.8	7.3	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.3	7.3
16	7.0	6.8	6.8	7.3	7.0	7.2	7.3	7.2	7.2	7.4	7.3	7.3
17	7.1	7.0	7.0	7.1	7.0	7.0	7.3	7.2	7.2	7.5	7.4	7.4
18	7.2	7.1	7.2	7.2	7.1	7.2	7.3	7.2	7.2	7.5	7.4	7.4
19	7.2	7.2	7.2	7.3	7.2	7.2	7.3	7.2	7.2	7.5	7.4	7.5
20	7.3	7.2	7.3	7.3	7.2	7.3	7.2	7.0	7.0	7.5	7.4	7.4
21	7.3	7.3	7.3	7.3	7.2	7.3	7.2	7.0	7.1	7.5	7.4	7.4
22	7.3	7.2	7.3	7.2	7.2	7.2	7.2	7.2	7.2	7.5	7.3	7.4
23	7.4	7.3	7.4	7.2	7.2	7.2	7.3	7.2	7.2	7.4	7.2	7.3
24	7.4	7.4	7.4	7.3	7.2	7.2	7.3	6.6	6.8	7.4	7.3	7.4
25	7.4	7.4	7.4	7.3	7.2	7.3	6.9	6.6	6.7	7.4	7.3	7.3
26	7.4	7.4	7.4	7.3	7.2	7.3	7.0	6.9	6.9	7.4	7.3	7.4
27	7.4	7.3	7.4	7.3	7.3	7.3	7.0	7.0	7.0	7.4	7.3	7.4
28	7.4	7.3	7.3	7.4	7.3	7.3	7.1	7.0	7.1	7.4	7.4	7.4
29	7.3	6.8	6.9	7.4	7.3	7.4	7.2	7.1	7.1	7.5	7.4	7.4
30	7.1	7.0	7.1	7.4	7.3	7.4	7.2	7.1	7.2	7.4	7.0	7.1
31	7.2	7.1	7.1	---	---	---	7.2	7.1	7.2	7.3	7.1	7.2
MAX	7.5	7.4	7.5	7.4	7.3	7.4	7.4	7.3	7.4	7.5	7.4	7.5
MIN	7.0	6.8	6.8	7.0	6.6	6.9	6.9	6.6	6.7	7.1	7.0	7.1

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.3	7.3	7.3	7.2	7.2	7.2	7.3	7.2	7.2	7.2	7.2	7.2
2	7.4	7.3	7.3	7.2	7.2	7.2	7.2	7.2	7.2	7.2	6.8	6.9
3	7.4	7.3	7.4	7.2	7.2	7.2	7.2	7.2	7.2	7.1	6.8	7.0
4	7.4	7.3	7.4	7.2	7.2	7.2	7.2	7.2	7.2	---	---	---
5	7.4	7.3	7.4	7.2	7.2	7.2	7.2	7.1	7.1	---	---	---
6	7.3	7.3	7.3	7.2	6.5	6.6	7.2	7.0	7.0	---	---	---
7	7.4	7.0	7.2	7.0	6.5	6.9	7.2	6.8	6.9	---	---	---
8	7.3	7.2	7.2	7.1	7.0	7.1	7.1	6.9	7.0	6.8	6.6	6.7
9	7.3	7.2	7.3	7.2	7.1	7.2	7.2	7.1	7.1	6.9	6.8	6.9
10	7.4	7.2	7.3	7.2	7.2	7.2	7.2	7.2	7.2	7.0	6.9	7.0
11	7.3	7.2	7.3	7.3	7.2	7.3	7.2	7.1	7.2	7.1	7.0	7.0
12	7.4	7.3	7.3	7.3	7.3	7.3	7.2	7.1	7.2	7.1	7.0	7.1
13	7.4	7.3	7.3	7.3	7.2	7.3	7.2	7.1	7.2	7.1	7.0	7.1
14	7.3	7.3	7.3	7.3	7.2	7.3	7.2	7.1	7.2	7.1	7.1	7.1
15	7.4	7.3	7.3	7.3	7.1	7.3	7.2	7.1	7.2	7.1	6.7	7.0
16	7.3	7.1	7.2	7.2	7.1	7.2	7.2	7.1	7.1	6.8	6.5	6.6
17	7.2	7.1	7.2	7.3	7.2	7.3	7.1	7.1	7.1	7.0	6.7	6.9
18	7.3	7.2	7.3	7.2	7.0	7.1	7.2	6.9	7.1	7.1	6.8	6.8
19	7.3	7.3	7.3	7.1	6.9	7.0	7.1	7.0	7.0	6.9	6.8	6.8
20	7.3	7.3	7.3	6.9	6.5	6.6	7.1	7.0	7.0	7.0	6.9	7.0
21	7.3	7.3	7.3	6.9	6.6	6.8	7.2	7.1	7.2	7.0	7.0	7.0
22	7.3	6.8	7.2	7.0	6.9	7.0	7.3	7.1	7.2	7.1	6.6	6.8
23	7.1	6.9	7.1	7.1	7.0	7.1	7.2	7.1	7.2	6.9	6.6	6.8
24	7.2	7.1	7.2	7.2	7.1	7.2	7.2	7.2	7.2	7.0	6.9	6.9
25	7.3	7.2	7.2	7.2	7.2	7.2	7.2	6.8	6.9	7.0	7.0	7.0
26	7.3	7.2	7.3	7.2	7.2	7.2	7.1	6.9	7.0	7.0	7.0	7.0
27	7.3	7.2	7.3	7.2	7.2	7.2	7.2	7.1	7.1	7.0	6.9	7.0
28	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.0	6.9	7.0
29	---	---	---	7.2	7.2	7.2	7.2	7.2	7.2	7.0	7.0	7.0
30	---	---	---	7.3	7.2	7.2	7.2	7.2	7.2	7.1	7.0	7.0
31	---	---	---	7.2	7.2	7.2	---	---	---	7.1	7.0	7.0
MAX	7.4	7.3	7.4	7.3	7.3	7.3	7.3	7.2	7.2	---	---	---
MIN	7.1	6.8	7.1	6.9	6.5	6.6	7.1	6.8	6.9	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.2	7.1	7.1	7.3	6.5	6.9	7.1	7.0	7.0	7.2	7.0	7.2
2	---	---	---	6.7	6.4	6.5	7.1	7.1	7.1	7.3	7.2	7.2
3	---	---	---	6.9	6.7	6.8	7.2	7.0	7.1	7.3	7.2	7.2
4	---	---	---	7.0	6.8	6.9	7.0	6.9	6.9	7.2	7.1	7.1
5	---	---	---	7.0	7.0	7.0	7.1	7.0	7.0	7.3	7.2	7.2
6	---	---	---	7.0	6.8	6.9	7.2	7.1	7.1	7.3	7.2	7.3
7	---	---	---	7.0	6.9	6.9	7.2	7.1	7.1	7.3	7.2	7.3
8	---	---	---	7.0	6.9	7.0	7.2	6.9	7.1	7.4	7.3	7.3
9	---	---	---	7.0	6.9	7.0	7.1	6.9	7.0	7.4	7.3	7.3
10	7.3	7.2	7.2	7.1	7.0	7.0	7.2	7.1	7.2	7.5	7.3	7.3
11	7.2	7.1	7.2	7.0	6.6	6.8	---	---	---	7.5	7.3	7.4
12	7.1	7.0	7.1	7.1	7.0	7.0	---	---	---	7.5	7.3	7.4
13	7.1	7.0	7.0	7.1	7.1	7.1	---	---	---	7.5	7.3	7.3
14	7.1	6.8	6.9	7.1	7.0	7.0	---	---	---	7.4	7.2	7.3
15	6.9	6.8	6.8	7.2	7.0	7.1	---	---	---	7.3	6.8	7.0
16	6.9	6.8	6.8	7.1	7.0	7.1	7.3	7.2	7.3	7.1	7.0	7.1
17	6.9	6.5	6.6	7.1	7.1	7.1	7.4	6.7	7.0	7.2	7.1	7.2
18	6.9	6.5	6.7	7.1	7.1	7.1	7.2	7.0	7.1	7.3	7.2	7.2
19	6.8	6.5	6.6	7.1	7.1	7.1	7.2	7.2	7.2	7.4	7.2	7.3
20	7.0	6.8	6.9	7.1	7.1	7.1	7.2	6.6	6.8	7.6	7.3	7.4
21	7.0	7.0	7.0	7.2	7.0	7.1	7.1	6.9	7.1	7.6	7.4	7.5
22	7.1	7.0	7.1	7.1	7.0	7.0	7.2	7.1	7.1	7.6	6.7	7.4
23	7.1	7.1	7.1	7.2	6.9	7.0	7.2	7.2	7.2	7.0	6.6	6.9
24	7.1	7.1	7.1	7.2	7.0	7.2	7.3	7.2	7.3	7.1	7.0	7.1
25	7.2	7.1	7.2	7.3	7.2	7.2	7.4	7.2	7.3	7.3	7.3	7.3
26	7.2	7.2	7.2	7.3	7.2	7.3	7.4	7.3	7.3	7.4	7.3	7.3
27	7.2	7.2	7.2	7.3	7.3	7.3	7.4	7.3	7.3	7.4	7.3	7.3
28	7.2	7.0	7.2	7.3	7.3	7.3	7.4	7.2	7.3	7.4	7.3	7.4
29	7.1	7.0	7.0	7.3	7.3	7.3	7.2	6.6	6.9	7.5	7.4	7.4
30	7.2	7.1	7.2	7.3	7.3	7.3	7.2	7.0	7.1	7.6	7.4	7.5
31	---	---	---	7.2	7.0	7.0	7.2	6.9	7.0	---	---	---
MAX	---	---	---	7.3	7.3	7.3	---	---	---	7.6	7.4	7.5
MIN	---	---	---	6.7	6.4	6.5	---	---	---	7.0	6.6	6.9

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.8	22.4	23.1	16.8	15.3	15.9	11.3	9.8	10.2	11.8	11.0	11.6
2	24.0	22.9	23.5	15.5	14.1	14.8	9.9	8.0	9.1	12.6	11.8	12.2
3	24.0	22.9	23.6	15.6	14.2	14.8	10.2	8.2	9.2	12.5	9.9	11.5
4	24.0	23.1	23.6	15.5	14.4	15.0	10.3	9.4	9.9	9.9	8.5	9.1
5	24.7	23.6	24.0	14.8	13.8	14.5	9.4	7.3	8.4	9.6	8.0	8.6
6	24.7	23.8	24.3	15.0	14.1	14.6	8.9	7.5	8.2	9.5	8.6	9.0
7	24.3	22.8	23.5	14.4	13.3	13.8	8.7	7.2	7.9	8.6	7.7	8.2
8	23.0	22.0	22.5	14.1	12.6	13.3	9.0	7.3	8.0	9.1	7.4	8.1
9	22.0	20.7	21.1	15.2	12.9	13.8	9.7	8.3	9.0	11.3	8.7	9.7
10	20.7	20.1	20.5	17.5	15.0	16.2	9.9	9.0	9.6	11.8	10.9	11.4
11	21.6	20.6	21.0	18.1	17.5	17.8	9.2	8.1	8.6	10.9	8.8	9.5
12	22.5	21.5	21.9	17.7	16.5	17.3	10.1	9.2	9.6	8.8	7.4	7.9
13	22.7	21.6	22.1	16.5	14.2	15.4	10.2	8.9	9.6	8.4	7.2	7.8
14	21.6	20.6	21.2	14.2	12.9	13.5	9.3	8.6	9.1	8.7	6.9	7.7
15	20.6	15.6	17.8	13.6	12.2	12.9	9.1	8.0	8.5	8.4	7.2	7.8
16	17.0	15.6	16.3	14.4	13.4	14.1	9.7	8.0	8.8	7.8	6.6	7.2
17	17.0	16.0	16.5	14.1	11.9	13.1	10.7	8.9	9.7	7.5	6.4	7.0
18	16.9	15.1	16.0	12.0	10.6	11.4	11.0	9.9	10.4	6.4	5.1	5.8
19	17.3	15.2	16.1	12.2	11.1	11.6	11.9	10.6	11.1	6.8	5.1	5.8
20	18.2	16.2	17.0	13.6	12.0	12.9	12.2	11.3	11.9	8.5	5.7	6.7
21	19.1	17.7	18.3	14.4	13.4	13.8	11.3	9.3	10.2	11.1	8.3	9.6
22	18.6	18.2	18.4	13.5	11.9	12.9	11.1	9.3	10.0	11.3	10.3	10.9
23	18.4	17.8	18.0	11.9	10.5	11.2	11.1	9.8	10.4	10.3	6.7	8.8
24	18.4	17.4	17.8	11.8	10.0	10.8	11.0	9.6	10.2	6.7	4.2	5.2
25	18.4	17.6	17.9	12.2	10.5	11.2	9.7	8.8	9.4	5.8	4.1	4.8
26	18.7	17.6	18.0	12.4	10.6	11.4	8.8	7.7	8.1	7.6	5.1	6.2
27	19.4	18.0	18.6	12.3	11.7	12.0	8.1	7.0	7.6	7.7	6.3	7.0
28	20.1	19.0	19.4	11.7	10.0	10.6	8.5	7.1	7.7	7.8	5.6	6.6
29	19.9	19.3	19.6	10.3	8.6	9.4	9.3	7.7	8.4	9.8	7.5	8.6
30	20.0	18.9	19.6	11.7	9.7	10.5	9.9	8.4	9.0	10.0	9.3	9.7
31	18.9	16.8	17.8	---	---	---	11.2	9.4	10.2	10.6	9.6	10.0
MONTH	24.7	15.1	20.0	18.1	8.6	13.3	12.2	7.0	9.3	12.6	4.1	8.4

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10.8	9.6	10.1	11.3	10.9	11.1	15.1	11.9	13.4	21.8	19.5	20.6
2	11.0	9.2	10.1	12.6	11.1	11.7	17.2	14.0	15.3	21.9	19.5	20.6
3	11.7	9.9	10.7	12.2	10.7	11.5	18.1	15.2	16.5	19.5	18.8	19.1
4	12.9	11.4	12.2	12.3	10.6	11.4	18.8	16.2	17.4	---	---	---
5	11.8	9.9	10.6	13.5	11.9	12.7	18.3	17.5	17.8	---	---	---
6	9.9	9.0	9.6	13.7	13.3	13.4	18.7	16.9	17.8	---	---	---
7	9.0	7.8	8.2	14.1	12.8	13.5	18.1	17.1	17.5	19.7	---	---
8	8.5	7.2	7.8	14.0	13.4	13.7	17.1	15.3	16.2	20.9	19.5	20.3
9	9.5	7.6	8.5	15.7	13.6	14.4	15.3	14.0	14.6	22.1	20.3	21.1
10	9.5	8.9	9.2	15.5	13.8	14.6	14.0	12.5	13.1	22.8	20.8	21.7
11	9.6	8.0	8.8	14.7	12.7	13.8	13.6	11.9	12.7	22.0	20.7	21.5
12	10.3	8.4	9.2	15.5	12.9	14.1	16.4	12.9	14.4	21.3	19.4	20.3
13	10.4	8.6	9.5	17.0	14.5	15.5	18.0	14.8	16.2	20.7	18.6	19.6
14	9.9	9.0	9.4	16.5	15.5	16.1	18.8	15.7	17.1	19.7	18.5	18.8
15	12.1	9.6	10.7	15.5	12.8	13.9	19.5	16.5	17.9	18.5	17.6	18.0
16	12.0	9.8	11.0	14.7	12.8	13.6	19.4	17.2	18.2	19.7	18.4	19.1
17	9.8	8.4	8.8	14.3	13.8	14.2	18.9	17.5	18.2	21.1	19.6	20.2
18	9.3	8.1	8.6	14.8	13.8	14.3	19.5	17.9	18.6	20.6	19.8	20.3
19	9.7	7.9	8.8	15.3	14.8	15.1	18.8	17.7	18.2	19.8	18.1	19.0
20	11.7	9.4	10.3	14.9	14.1	14.3	18.3	17.4	17.8	18.7	17.6	18.1
21	11.8	11.1	11.4	16.1	14.1	15.0	18.4	17.5	17.9	19.0	18.3	18.6
22	13.9	11.6	12.8	16.1	14.8	15.5	19.1	17.0	17.9	19.2	18.8	19.0
23	13.9	12.0	13.0	16.1	14.3	15.2	19.0	16.4	17.6	19.5	18.5	18.9
24	12.5	10.9	11.7	16.5	14.2	15.3	18.0	15.9	16.9	20.8	18.9	19.7
25	12.9	11.7	12.2	17.1	14.6	15.8	17.0	15.5	16.1	21.2	19.4	20.2
26	12.2	10.7	11.4	17.7	15.8	16.7	18.0	16.4	17.2	21.5	20.0	20.6
27	10.7	9.2	9.8	18.4	16.5	17.4	19.4	16.7	17.9	21.5	19.5	20.4
28	11.2	9.1	10.0	18.4	17.4	17.9	20.2	17.5	18.6	21.3	19.0	20.1
29	---	---	---	18.0	16.9	17.5	21.0	17.9	19.3	21.2	19.2	20.1
30	---	---	---	16.9	13.6	15.4	21.7	18.8	20.1	21.4	18.8	20.0
31	---	---	---	14.2	12.2	13.2	---	---	---	22.0	19.5	20.6
MONTH	13.9	7.2	10.2	18.4	10.6	14.4	21.7	11.9	16.9	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.6	20.2	21.2	23.4	21.3	22.0	25.6	24.1	24.7	26.7	24.8	25.6
2	---	---	---	22.2	21.5	21.8	25.7	24.1	24.8	26.2	24.4	25.2
3	---	---	---	23.4	21.5	22.4	25.5	24.2	24.6	26.1	24.4	25.1
4	---	---	---	24.4	22.5	23.3	24.9	23.8	24.4	25.9	24.6	25.1
5	---	---	---	24.0	23.0	23.4	26.1	23.9	24.8	25.6	24.1	24.8
6	---	---	---	24.5	22.9	23.6	25.4	24.0	24.6	25.1	23.5	23.9
7	---	---	---	25.1	23.2	24.0	25.2	23.2	24.0	23.5	22.2	22.7
8	---	---	---	26.0	23.5	24.6	25.4	23.5	24.3	---	21.4	---
9	24.4	---	---	26.2	24.0	25.0	25.5	23.2	24.1	23.7	21.4	22.4
10	24.6	21.7	23.0	25.6	23.5	24.4	25.6	23.3	24.3	23.6	21.6	22.2
11	24.9	22.4	23.5	24.3	23.2	23.7	---	23.3	---	---	21.3	---
12	24.1	22.8	23.4	25.4	23.4	24.2	---	---	---	---	21.3	---
13	24.1	22.6	23.3	25.6	23.6	24.4	---	---	---	23.5	21.1	22.1
14	23.9	22.6	23.1	25.0	23.3	24.0	26.2	---	---	23.5	21.5	22.2
15	25.0	22.8	23.7	25.4	23.3	24.2	27.0	24.4	25.6	23.2	21.7	22.6
16	25.4	23.2	24.1	25.5	23.7	24.5	26.6	25.0	25.6	23.4	21.6	22.2
17	24.0	22.2	23.1	25.9	23.9	24.7	26.0	24.0	25.1	23.3	---	---
18	23.2	22.5	22.9	26.1	24.1	25.0	26.6	24.5	25.3	22.9	20.4	21.5
19	23.6	22.7	23.1	26.3	24.1	25.1	26.6	24.4	25.4	23.0	20.3	21.6
20	24.6	23.1	23.7	26.6	24.3	25.3	26.2	24.4	25.0	23.7	21.0	22.1
21	23.8	22.0	22.8	26.0	24.3	25.1	26.2	24.4	25.1	23.7	21.6	22.4
22	23.4	20.9	22.0	25.4	24.1	24.8	26.8	24.4	25.3	23.5	22.4	22.7
23	24.1	21.1	22.3	24.1	23.2	23.5	26.9	24.6	25.6	23.3	22.1	22.6
24	24.5	21.8	22.9	25.2	23.0	23.9	26.9	24.7	25.7	---	---	---
25	24.9	22.2	23.4	25.0	22.8	23.8	26.7	24.9	25.7	22.9	---	---
26	24.6	22.6	23.5	25.2	23.2	24.1	27.0	24.6	25.7	22.9	20.8	21.7
27	23.9	22.4	23.2	25.7	23.4	24.4	26.8	24.7	25.6	23.4	21.0	21.9
28	23.3	22.1	22.4	26.5	23.8	24.9	26.7	24.7	25.7	23.2	21.3	21.9
29	24.3	22.2	23.0	26.9	24.3	25.5	26.3	24.3	25.2	21.6	19.0	19.8
30	24.2	22.9	23.5	---	24.5	---	26.3	24.6	25.4	20.0	17.4	18.4
31	---	---	---	25.4	23.8	24.6	26.6	24.7	25.6	---	---	---
MONTH	---	---	---	---	21.3	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.3	7.0	7.2	8.6	8.2	8.4	9.2	8.8	9.0	9.9	9.6	9.8
2	7.1	7.0	7.1	8.8	8.5	8.7	9.8	8.9	9.5	9.6	9.1	9.4
3	7.3	7.0	7.1	8.9	8.6	8.8	10.4	9.4	10.0	9.8	9.0	9.3
4	7.3	6.9	7.1	9.0	8.6	8.8	10.1	9.8	9.9	10.6	9.8	10.3
5	7.6	6.9	7.2	9.2	8.7	8.9	11.0	8.3	10.3	10.7	10.0	10.4
6	7.7	6.9	7.4	9.2	8.8	9.0	10.7	10.3	10.5	10.2	9.8	10.0
7	7.7	6.9	7.3	9.5	9.1	9.3	10.8	10.3	10.5	11.0	10.2	10.6
8	7.4	7.2	7.3	9.5	9.3	9.4	10.7	10.4	10.6	11.0	10.6	10.9
9	7.6	7.2	7.4	9.4	9.0	9.3	10.5	10.2	10.3	10.7	9.8	10.4
10	7.7	7.5	7.6	9.0	8.2	8.6	10.3	9.9	10.0	9.8	9.3	9.6
11	7.8	7.4	7.6	8.2	7.9	8.0	10.7	10.2	10.4	10.8	9.6	10.2
12	7.7	7.3	7.5	8.4	7.9	8.2	10.3	10.0	10.1	11.1	10.6	10.9
13	7.8	7.3	7.4	8.9	8.2	8.6	10.4	9.9	10.1	11.2	10.5	11.0
14	7.6	7.5	7.6	9.3	8.9	9.2	10.3	10.1	10.2	11.3	10.8	11.0
15	8.9	7.5	8.3	9.3	9.1	9.2	10.5	10.3	10.4	11.3	10.8	11.1
16	8.8	8.4	8.5	9.2	8.8	9.0	10.5	9.8	10.3	11.2	10.8	11.0
17	8.8	8.4	8.6	9.3	8.8	9.0	10.2	9.8	10	11.2	10.7	11.0
18	9.0	8.6	8.8	9.7	9.3	9.5	9.9	9.7	9.8	11.6	11.2	11.3
19	8.9	8.5	8.7	9.7	9.4	9.5	9.8	9.2	9.6	11.5	11.1	11.3
20	8.7	8.1	8.5	9.4	8.7	9.0	9.6	9.2	9.3	11.3	10.6	11.0
21	8.4	7.6	8.1	9.0	8.5	8.7	10.4	9.6	10.0	10.6	9.5	10.1
22	8.1	7.4	7.9	8.7	8.2	8.5	10.3	9.9	10.1	9.8	9.1	9.5
23	8.0	7.7	7.9	9.3	8.6	9.0	10.1	9.9	10.0	10.8	9.6	10.0
24	8.1	7.8	8.0	9.4	8.9	9.2	10.2	9.7	10.0	11.9	10.8	11.4
25	8.0	7.9	8.0	9.1	8.7	8.9	10.4	9.6	10.0	12.2	11.7	11.8
26	8.2	7.9	8.0	9.1	8.6	8.9	11.0	10.4	10.7	11.8	10.9	11.4
27	8.0	7.8	7.9	8.8	8.4	8.6	11.1	10.9	11.0	11.0	10.8	10.9
28	7.8	7.5	7.7	9.4	8.7	9.1	11.1	10.9	11.0	11.4	10.8	11.0
29	7.8	7.4	7.5	9.7	9.4	9.6	11.1	10.6	10.8	10.9	9.7	10.2
30	7.6	7.5	7.5	9.5	8.8	9.2	10.7	10.4	10.6	---	---	---
31	8.2	7.6	7.9	---	---	---	10.5	9.9	10.2	---	---	---
MONTH	9.0	6.9	7.8	9.7	7.9	8.9	11.1	8.3	10.2	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.5	9.3	9.4	10.2	9.9	10.0	10.5	9.8	10.2	7.0	6.3	6.9
2	9.6	9.3	9.5	10.0	9.6	9.8	9.8	8.8	9.4	7.4	6.3	6.7
3	9.4	9.1	9.2	10.0	9.6	9.9	9.1	8.1	8.7	7.5	6.8	7.2
4	9.1	8.6	8.8	10.2	9.8	10.0	8.7	7.6	8.1	---	---	---
5	9.7	9.0	9.4	9.9	9.4	9.6	9.0	7.2	7.8	---	---	---
6	9.8	9.4	9.6	9.7	9.1	9.5	9.0	7.9	8.4	---	---	---
7	10.6	9.8	10.4	9.9	9.0	9.4	9.5	7.9	8.9	---	---	---
8	10.7	10.3	10.5	9.6	9.4	9.5	10.1	9.5	9.8	8.1	7.6	7.8
9	11.2	10.0	10.6	9.5	8.8	9.3	10.7	10.1	10.4	7.8	7.5	7.7
10	10.3	9.7	10.0	9.5	8.9	9.3	11.1	9.7	10.8	7.6	7.3	7.5
11	10.4	10.0	10.2	10.0	9.3	9.7	11.4	10.5	11.1	7.6	7.1	7.3
12	10.3	10.1	10.2	9.9	8.9	9.5	10.7	9.8	10.3	8.0	7.6	7.8
13	10.3	9.8	10.1	9.1	6.2	7.7	10.3	9.8	10	8.1	7.4	7.8
14	10.2	9.9	10	9.0	6.3	8.0	10.2	9.7	9.9	8.0	7.3	7.7
15	10.0	9.4	9.8	9.9	0.3	7.1	10.0	9.2	9.7	8.6	7.3	8.2
16	10.1	9.2	9.6	3.0	0.3	1.1	10.3	9.4	9.7	8.5	7.9	8.2
17	11.3	10.1	10.5	8.6	2.6	5.1	10.4	8.3	9.8	8.1	7.9	8.1
18	10.7	10.5	10.5	10.5	3.3	8.0	10.1	8.3	9.3	8.3	7.8	8.0
19	10.8	10.4	10.6	10.3	4.7	6.8	9.3	8.2	8.9	8.7	8.1	8.4
20	10.5	9.7	10.0	10.7	6.3	10.2	9.1	7.8	8.4	8.9	8.6	8.7
21	9.7	9.4	9.5	10.6	9.7	10.3	8.5	7.7	8.1	8.7	8.5	8.6
22	9.5	8.9	9.1	10.2	9.8	10.0	8.1	7.6	7.9	8.8	8.3	8.7
23	9.6	8.9	9.3	10.5	9.8	10.3	8.1	7.5	7.8	8.8	8.0	8.5
24	9.9	9.6	9.8	10.5	9.0	10	8.3	7.5	7.9	8.5	8.1	8.3
25	9.8	9.6	9.7	9.6	7.0	8.6	8.4	7.8	8.2	8.1	7.8	8.0
26	10.0	9.5	9.8	10.1	8.1	9.1	8.3	8.1	8.2	7.9	7.3	7.6
27	11.5	10.0	10.6	9.7	7.1	8.8	8.2	8.0	8.1	7.7	6.8	7.4
28	11.5	10.2	10.7	9.2	7.1	8.6	8.1	7.8	8.0	7.8	7.2	7.5
29	---	---	---	8.9	8.3	8.6	8.0	7.3	7.7	7.8	7.2	7.6
30	---	---	---	9.8	8.7	9.3	7.3	6.9	7.1	7.7	6.8	7.4
31	---	---	---	10.5	9.7	10.1	---	---	---	7.8	6.9	7.4
MONTH	11.5	8.6	9.9	10.7	0.3	8.8	11.4	6.9	9.0	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204070 SOUTH RIVER AT KLONDIKE ROAD, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 333747 LONGITUDE 0840743 NAD27 DRAINAGE AREA 182.00 CONTRIBUTING DRAINAGE AREA 182 DATUM 660.90 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.8	6.9	7.6	8.3	6.9	7.9	---	---	---	7.2	6.4	6.8
2	---	---	---	8.0	7.2	7.5	7.5	7.1	7.3	7.3	6.7	6.9
3	---	---	---	7.9	7.7	7.8	7.5	7.1	7.3	7.5	5.2	6.8
4	---	---	---	7.8	7.5	7.6	7.4	7.1	7.2	7.0	6.7	6.8
5	---	---	---	7.7	7.6	7.6	7.3	7.0	7.2	7.5	6.8	7.1
6	---	---	---	7.9	7.4	7.6	7.3	6.9	7.1	7.6	6.9	7.2
7	---	---	---	7.7	7.5	7.6	7.5	7.1	7.3	7.9	7.0	7.4
8	---	---	---	7.7	7.4	7.5	7.6	7.1	7.4	8.1	7.2	7.7
9	---	---	---	7.7	7.2	7.5	7.6	7.1	7.4	8.8	6.9	7.9
10	8.4	7.7	8.1	7.8	7.3	7.5	7.7	7.2	7.4	8.8	7.4	7.8
11	8.1	7.7	8.0	7.7	7.2	7.5	---	---	---	---	7.5	---
12	---	---	---	7.7	7.4	7.6	---	---	---	---	7.4	---
13	---	---	---	7.7	7.5	7.6	---	---	---	9.5	7.5	8.4
14	---	---	---	7.7	7.5	7.7	---	---	---	---	7.6	---
15	---	---	---	8.0	7.4	7.7	---	---	---	8.2	5.6	6.9
16	---	---	---	7.8	7.3	7.6	7.7	6.8	7.1	7.6	6.3	6.8
17	---	---	---	7.9	5.9	7.5	7.2	6.7	6.9	8.2	7.2	7.7
18	7.9	7.4	7.6	7.9	7.6	7.7	7.1	6.8	7.0	8.4	6.2	7.5
19	7.6	7.3	7.5	8.0	7.4	7.7	7.4	6.8	7.1	8.3	7.0	7.9
20	7.7	7.3	7.4	8.0	7.6	7.8	7.0	6.6	6.8	8.6	7.4	7.9
21	7.8	7.4	7.6	7.9	7.0	7.5	7.1	6.7	6.8	8.7	7.7	8.0
22	8.0	7.7	7.9	7.9	6.2	7.2	7.2	6.7	6.9	8.0	7.8	7.9
23	8.0	7.6	7.8	8.1	7.2	7.8	7.3	6.7	6.9	---	---	---
24	7.9	7.6	7.8	8.0	5.7	7.7	7.3	6.8	7.0	---	---	---
25	7.9	7.5	7.7	8.2	7.4	7.9	7.6	6.6	7.0	---	---	---
26	7.8	7.2	7.5	8.2	7.4	7.9	8.1	6.7	7.2	7.9	7.4	7.6
27	7.8	7.0	7.6	8.1	7.5	7.8	8.2	6.7	7.3	7.9	7.4	7.6
28	8.2	7.5	7.8	8.1	7.0	7.7	8.0	6.6	7.2	7.9	7.3	7.6
29	7.7	6.4	7.3	8.2	7.2	7.6	7.0	5.6	6.3	8.6	7.7	8.1
30	7.2	5.3	6.3	---	---	---	7.3	6.4	6.8	9.3	8.1	8.6
31	---	---	---	---	---	---	7.2	5.5	6.4	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

ALTAMAHA RIVER BASIN
2003 Water Year

02204088 JACKSON CREEK ABOVE ROCK CREEK NEAR CONYERS, GA

LOCATION.—Lat 33°35'26", long 84°07'20" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103,

DRAINAGE AREA.—0.56 square miles, approximately.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.—May 30, 2003 (invertebrates) and June 12, 2003 (fishes).

REMARKS.—Data collection protocols used are from draft versions of the Standard Operating Procedures: Freshwater Macroinvertebrate Biological Assessment (Georgia Environmental Protection Division, 2002) and Standard Operating Procedures for Conducting Biomonitoring on Fish Communities in the Piedmont Ecoregion of Georgia (Georgia Department of Natural Resources, 2000). William Pennington and Associates of Cookeville, Tennessee identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 91 meters. Fish abbreviations: TL-total length in millimeters, SL-standard length in millimeters. Weight is measured in grams.

Invertebrates

Taxa	Abundance	
	Multi-habitat	Visual
MOLLUSCA		
Bivalvia		
Sphaeriidae		
Sphaerium sp.	0	1
Gastropoda		
Physidae		
Physella sp.	2	0
INSECTA		
Collembola		
Isotomidae	8	0
Ephemeroptera		
Baetidae		
Baetis sp.	11	0
Baetis pluto	171	0
Ephemerellidae		
Serratella sp.	2	0
Heptageniidae		
Stenonema sp.	0	1
Stenonema modestum	28	0
Isonychiidae		
Isonychia sp.	3	0
Leptophlebiidae		
Habrophlebiodes sp.	2	0

02204088 JACKSON CREEK ABOVE ROCK CREEK NEAR CONYERS, GA —continued.

Taxa	Abundance Multi-habitat	Visual
Odonata		
Aeshnidae	1	0
Boyeria vinosa	0	2
Calopterygidae		
Calopteryx sp.	1	0
Cordulegastridae		
Cordulegaster sp.	0	1
Gomphidae		
Lanthus sp.	7	0
Plecoptera		
Peltoperlidae		
Peltoperla sp.	1	0
Perlidae	22	0
Acroneuria abnormis	1	1
Perlodidae		
Isoperla sp.	1	1
Hemiptera		
Veliidae		
Microvelia sp.	4	0
Rhagovelia obesa	1	0
Megaloptera		
Corydalidae		
Corydalus cornutus	1	0
Nigronia serricornis	11	0
Trichoptera		
Hydropsychidae	125	2
Ceratopsyche sparna	1	0
Cheumatopsyche sp.	77	16
Diplectrona modesta	2	0
Hydropsyche sp.	3	0
Hydropsyche betteni gp.	0	5
Rhyacophilidae		
Rhyacophila sp.	7	0
Rhyacophila fuscula	6	0
Rhyacophila torva	8	0
Coleoptera		
Dytiscidae		
Rhantus sp.	1	0
Elmidae		
Macronychus glabratus	7	1
Microcylloepus pusillus	9	2
Oulimnius latiusculus	12	0
Promoresia tardella	8	0
Stenelmis sp.	4	0
Psephenidae		
Ectopria sp.	5	0
Ptilodactylidae		
Anchytarsus bicolor	9	0
Diptera		
Chironomidae		
Ablabesmyia mallochi	2	0

02204088 JACKSON CREEK ABOVE ROCK CREEK NEAR CONYERS, GA —continued.

Taxa	Abundance Multi-habitat	Visual
Brillia flavifrons	17	1
Conchapelopia sp.	12	0
Limnophyes sp.	2	0
Microtendipes pedellus gp.	0	1
Parametriocnemus sp.	12	2
Polypedilum flavum	162	3
Polypedilum illinoense	7	1
Pseudorthocladius sp.	2	0
Rheocricotopus robacki	2	0
Rheotanytarsus sp.	51	0
Tvetenia bavarica gp.	24	7
Simuliidae		
Simulium sp.	101	10
Tipulidae		
Antocha sp.	6	0
Tipula sp.	4	4
CHORDATA		
Caudata	0	2

Fishes

Species	Common name	Count	TL	SL	Weight
Lepomis auritus	redbreast sunfish	1	65	58	4.4
Lepomis auritus	redbreast sunfish	1	82	65	7.9
Micropterus salmoides	largemouth bass	1	33	27	0.5
Micropterus salmoides	largemouth bass	1	33	27	0.4
Nocomis leptocephalus	bluehead chub	1	54	45	1.9
Nocomis leptocephalus	bluehead chub	1	61	51	2.7
Nocomis leptocephalus	bluehead chub	1	63	53	2.8
Nocomis leptocephalus	bluehead chub	1	64	53	3.2
Nocomis leptocephalus	bluehead chub	1	67	56	3.0
Nocomis leptocephalus	bluehead chub	1	68	57	3.6
Nocomis leptocephalus	bluehead chub	1	71	60	3.9
Nocomis leptocephalus	bluehead chub	1	72	60	4.0
Nocomis leptocephalus	bluehead chub	1	73	65	5.9
Nocomis leptocephalus	bluehead chub	1	74	62	4.2
Nocomis leptocephalus	bluehead chub	1	76	64	5.4
Nocomis leptocephalus	bluehead chub	1	82	70	6.3
Nocomis leptocephalus	bluehead chub	1	92	76	9.4
Nocomis leptocephalus	bluehead chub	1	94	79	12.1
Nocomis leptocephalus	bluehead chub	1	98	82	12.3
Nocomis leptocephalus	bluehead chub	1	101	86	15.1
Nocomis leptocephalus	bluehead chub	1	103	85	12.9
Nocomis leptocephalus	bluehead chub	1	110	93	17.4
Nocomis leptocephalus	bluehead chub	1	126	107	25.0
Notropis lutipinnis	yellowfin shiner	1	39	31	0.6
Notropis lutipinnis	yellowfin shiner	1	40	32	0.7
Notropis lutipinnis	yellowfin shiner	1	40	37	1.0

02204088 JACKSON CREEK ABOVE ROCK CREEK NEAR CONYERS, GA —continued.

Species	Common name	Count	TL	SL	Weight
Notropis lutipinnis	yellowfin shiner	1	42	34	0.8
Notropis lutipinnis	yellowfin shiner	1	42	34	0.8
Notropis lutipinnis	yellowfin shiner	1	42	34	0.8
Notropis lutipinnis	yellowfin shiner	1	42	34	0.7
Notropis lutipinnis	yellowfin shiner	1	43	34	0.9
Notropis lutipinnis	yellowfin shiner	1	43	35	0.9
Notropis lutipinnis	yellowfin shiner	1	44	35	0.9
Notropis lutipinnis	yellowfin shiner	1	45	37	0.9
Notropis lutipinnis	yellowfin shiner	1	45	38	1.0
Notropis lutipinnis	yellowfin shiner	1	45	36	0.9
Notropis lutipinnis	yellowfin shiner	1	45	37	1.0
Notropis lutipinnis	yellowfin shiner	1	46	38	1.1
Notropis lutipinnis	yellowfin shiner	1	46	37	1.1
Notropis lutipinnis	yellowfin shiner	1	48	38	1.1
Notropis lutipinnis	yellowfin shiner	1	48	39	1.5
Notropis lutipinnis	yellowfin shiner	1	48	40	1.1
Notropis lutipinnis	yellowfin shiner	1	49	40	1.5
Notropis lutipinnis	yellowfin shiner	1	50	40	1.5
Notropis lutipinnis	yellowfin shiner	1	51	42	1.6
Notropis lutipinnis	yellowfin shiner	1	51	41	1.3
Notropis lutipinnis	yellowfin shiner	1	51	42	1.6
Notropis lutipinnis	yellowfin shiner	1	52	43	1.5
Notropis lutipinnis	yellowfin shiner	1	52	42	1.6
Notropis lutipinnis	yellowfin shiner	1	53	42	1.3
Notropis lutipinnis	yellowfin shiner	1	54	44	1.5
Notropis lutipinnis	yellowfin shiner	1	54	45	1.9
Notropis lutipinnis	yellowfin shiner	1	56	46	1.9
Notropis lutipinnis	yellowfin shiner	1	61	50	2.7
Notropis lutipinnis	yellowfin shiner	1	62	51	3.1
Notropis lutipinnis	yellowfin shiner	1	62	50	2.5
Notropis lutipinnis	yellowfin shiner	1	66	55	3.1
Scartomyzon rupiscartes	striped jumprock	1	85	72	6.1
Scartomyzon rupiscartes	striped jumprock	1	90	76	7.5
Semotilus atromatulatus	creek chub	1	46	39	1.3
Semotilus atromatulatus	creek chub	1	47	40	1.3
Semotilus atromatulatus	creek chub	1	52	43	1.9
Semotilus atromatulatus	creek chub	1	53	43	1.9
Semotilus atromatulatus	creek chub	1	54	45	2.2
Semotilus atromatulatus	creek chub	1	56	47	2.2
Semotilus atromatulatus	creek chub	1	58	48	2.3
Semotilus atromatulatus	creek chub	1	58	47	2.5
Semotilus atromatulatus	creek chub	1	58	48	2.7
Semotilus atromatulatus	creek chub	1	58	48	2.5
Semotilus atromatulatus	creek chub	1	60	50	2.8
Semotilus atromatulatus	creek chub	1	62	51	3.0
Semotilus atromatulatus	creek chub	1	62	55	3.8
Semotilus atromatulatus	creek chub	1	62	51	3.0
Semotilus atromatulatus	creek chub	1	65	54	3.6
Semotilus atromatulatus	creek chub	1	68	56	4.0
Semotilus atromatulatus	creek chub	1	68	55	4.4
Semotilus atromatulatus	creek chub	1	73	62	5.1
Semotilus atromatulatus	creek chub	1	73	60	4.9

02204088 JACKSON CREEK ABOVE ROCK CREEK NEAR CONYERS, GA —continued.

Species	Common name	Count	TL	SL	Weight
Semotilus atromatulatus	creek chub	1	74	62	6.4
Semotilus atromatulatus	creek chub	1	75	63	5.7
Semotilus atromatulatus	creek chub	1	76	63	4.8
Semotilus atromatulatus	creek chub	1	77	64	6.6
Semotilus atromatulatus	creek chub	1	77	64	5.7
Semotilus atromatulatus	creek chub	1	77	65	6.6
Semotilus atromatulatus	creek chub	1	81	68	7.4
Semotilus atromatulatus	creek chub	1	89	68	7.1
Semotilus atromatulatus	creek chub	1	95	75	10.9
Semotilus atromatulatus	creek chub	1	95	79	14.4
Semotilus atromatulatus	creek chub	1	96	81	12.4
Semotilus atromatulatus	creek chub	1	99	84	14.1
Semotilus atromatulatus	creek chub	1	99	84	13.7
Semotilus atromatulatus	creek chub	1	103	86	15.3
Semotilus atromatulatus	creek chub	1	123	103	25.3

ALTAMAHA RIVER BASIN
2003 Water Year

02204110 HONEY CREEK NEAR LITHONIA, GA

LOCATION.—Lat 33°41'09", long 84°04'49" referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit Code 03070103, 0.6 miles east of Turner Hill Road, 1.7 miles southeast of Interstate 20, approximately 4.3 miles northwest of Conyers.

DRAINAGE AREA.—2.8 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—January 16, 2003 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses of biological oxygen demand are by the U.S. Geological Survey, Ocala Water-Quality and Resource Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Missouri District Laboratory and the Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, percent of sat-uration (00301)	Dis-solved oxygen, mg/L (00300)
JAN													
16...	1150	80020	2.05	2.1	14	8.3	6.9	6.3	79	78	744	--	--
22...	1020	80020	2.40	5.1	44	30	6.6	7.5	60	62	744	79	8.8
FEB													
16...	1235	80020	3.86	50	220	140	6.1	7.4	39	43	741	93	10.6
APR													
01...	1130	80020	2.18	3.0	10	8.0	6.3	6.7	71	74	752	95	10.0
07...	0810	80020	2.78	11	47	18	6.4	6.1	59	63	743	87	8.4
25...	1110	80020	2.87	14	80	47	--	7.8	47	50	736	86	8.3
MAY													
22...	0750	80020	4.35	46	70	42	6.5	6.3	46	50	743	89	8.1
JUN													
25...	1130	80020	2.62	3.0	12	--	6.8	--	86	--	740	--	--
JUL													
01...	0835	80020	7.08	388	220	200	6.1	7.1	30	28	742	86	7.5
02...	0940	80020	3.31	11	44	33	6.5	7.3	58	60	737	86	7.5
16...	0900	80020	2.56	2.6	21	21	6.8	7.2	71	71	--	--	--
SEP													
10...	0740	80020	2.28	1.2	11	9.5	6.8	7.3	88	89	745	84	7.5

02204110 HONEY CREEK NEAR LITHONIA, GA—continued.

Date	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, fltrd, mg/L (71846)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)
JAN													
16...	5.3	--	.12	.046	.06	.585	.07	--	<.007	.009	.71	2.0	.5
22...	9.4	--	.47	.169	.22	.460	.30	--	E.005	.048	.93	5.7	1.3
FEB													
16...	8.3	--	.58	.028	.04	.211	.55	--	E.004	.108	.79	7.4	1.8
APR													
01...	12.3	20.7	.17	.030	.04	.469	.14	--	<.007	.015	.64	2.9	.8
07...	15.9	17.5	.51	.176	.23	.532	.33	.025	.008	.059	1.0	7.0	E3.0
25...	15.4	18.0	.58	.026	.03	.238	.56	--	<.007	.087	.82	7.9	--
MAY													
22...	18.9	21.4	.53	.058	.07	.148	.47	--	E.005	.069	.68	7.9	1.6
JUN													
25...	20.8	24.7	--	--	--	--	--	--	--	--	--	--	<.1
JUL													
01...	20.5	20.5	1.3	.039	.05	.131	1.2	--	<.007	.29	1.4	16.8	2.5
02...	20.6	21.9	.44	.026	.03	.235	.41	--	<.007	.048	.67	7.4	1.0
16...	22.3	26.0	.52	.048	.06	.513	.47	--	<.007	.029	1.0	4.9	1.5
SEP													
10...	20.0	18.5	.26	.038	.05	.404	.22	--	<.007	.013	.66	2.7	.5

Date	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Chlorophyll b phytoplankton, fluoro, ug/L (70954)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Sampler type, code (84164)	Sampling method, code (82398)
JAN													
16...	E.1	<.1	19	5.55	1.20	<1.2	.11	7	--	--	--	3044	10
22...	E.2	<.1	13	4.09	.700	1.6	.22	14	--	--	--	3044	10
FEB													
16...	.6	<.1	9	2.88	.539	1.3	.33	11	186	25	63	3044	10
APR													
01...	<.1	<.1	18	5.45	1.16	<1.2	.08	7	10	.08	66	3044	10
07...	--	--	16	5.11	.789	2.7	.34	19	53	1.6	62	3044	10
25...	--	--	12	3.75	.662	1.5	.35	11	78	2.9	67	3044	10
MAY													
22...	.7	<.1	15	4.76	.735	1.3	.50	12	158	20	33	3044	10
JUN													
25...	E.3	<.1	--	--	--	--	--	--	78	.63	90	3044	10
JUL													
01...	1.6	.3	8	2.49	.324	1.2	.23	6	4290	4500	66	3044	10
02...	--	--	18	5.73	.971	1.7	.26	9	337	10	81	3044	10
16...	--	--	22	6.78	1.19	E.7	.15	8	12	.08	95	3044	10
SEP													
10...	E.3	<.1	28	8.70	1.57	1.2	.16	3	5	.01	88	3044	10

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
c -- See laboratory comment
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
m -- Highly var comp using method, ? prec
n -- Below the NDV
o -- Result determined by alternate method
t -- Below the long-term MDL

ALTAMAHA RIVER BASIN
2003 Water Year

02204115 HONEY CREEK AT TURNER ROAD, NEAR CONYERS, GA

LOCATION.—Lat 33°40'29", long 84°05'03" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, 2.3 miles north of GA 212, 1.7 miles south of unnamed tributary from Abbot Lake, 1.7 miles west of Interstate 20, and 1.8 miles east of Klondike Road.

DRAINAGE AREA.—5.2 square miles.

COOPERARTION.—Rockdale County Department of Water Resources.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 2, 2001 to April 17, 2003.

GAGE.—Satellite telemetry with water-stage recorder and continuous water-quality monitor. Datum of gage 770.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). Gage was discontinued on April 17, 2003 and relocated downstream to Hurst Road.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 10.46 feet, March 20; minimum gage-height recorded, 2.80 feet, October 1, 2.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 1, 2001 to April 17, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204115 HONEY CREEK AT TURNER ROAD, NEAR CONYERS, GA SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334029 LONGITUDE 0840503 NAD83 DRAINAGE AREA 5.20 CONTRIBUTING DRAINAGE AREA 5.20* DATUM 770.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.81	2.91	3.03	3.49	3.32	3.41	3.57	---	---	---	---	---
2	2.81	2.90	3.03	3.22	3.34	3.41	3.57	---	---	---	---	---
3	2.82	2.91	3.03	3.21	3.36	3.39	3.58	---	---	---	---	---
4	2.83	3.06	3.03	---	3.45	3.41	3.58	---	---	---	---	---
5	2.84	3.42	3.25	---	3.37	3.44	3.64	---	---	---	---	---
6	2.88	3.07	3.08	---	3.46	5.53	3.67	---	---	---	---	---
7	3.02	2.84	3.04	3.28	3.59	3.57	3.87	---	---	---	---	---
8	2.87	2.86	3.04	3.29	3.42	3.41	3.61	---	---	---	---	---
9	2.87	2.88	3.04	3.29	3.40	3.40	3.59	---	---	---	---	---
10	2.86	2.91	3.28	3.30	3.61	3.42	3.63	---	---	---	---	---
11	2.86	3.60	3.25	3.27	3.47	3.44	3.65	---	---	---	---	---
12	2.86	3.34	3.05	3.26	3.46	3.46	3.59	---	---	---	---	---
13	3.17	2.98	3.37	3.26	3.44	3.47	3.56	---	---	---	---	---
14	2.86	2.93	3.14	3.28	3.45	3.49	3.55	---	---	---	---	---
15	4.32	2.94	3.07	3.28	3.45	3.59	3.54	---	---	---	---	---
16	---	3.40	3.06	3.30	4.15	3.50	3.53	---	---	---	---	---
17	---	3.08	3.10	3.31	3.45	3.67	---	---	---	---	---	---
18	2.88	2.98	3.12	3.27	3.35	3.56	---	---	---	---	---	---
19	2.88	2.98	3.16	3.28	3.37	3.83	---	---	---	---	---	---
20	3.01	2.97	3.42	3.28	3.38	---	---	---	---	---	---	---
21	---	3.03	3.14	3.29	3.38	---	---	---	---	---	---	---
22	---	2.96	3.20	3.42	4.14	3.51	---	---	---	---	---	---
23	2.91	2.95	3.24	3.30	3.44	3.52	---	---	---	---	---	---
24	---	3.00	5.47	3.26	3.36	3.52	---	---	---	---	---	---
25	---	3.03	3.34	3.27	3.38	3.55	---	---	---	---	---	---
26	2.94	3.04	3.09	3.28	3.41	3.57	---	---	---	---	---	---
27	2.94	3.04	3.16	3.27	3.51	3.57	---	---	---	---	---	---
28	---	3.03	3.20	3.27	3.40	3.57	---	---	---	---	---	---
29	3.32	3.04	3.24	3.36	---	3.57	---	---	---	---	---	---
30	3.00	3.04	3.26	3.65	---	3.61	---	---	---	---	---	---
31	2.94	---	3.35	3.36	---	---	---	---	---	---	---	---
MEAN	---	3.04	3.23	---	3.48	---	---	---	---	---	---	---
MAX	---	3.60	5.47	---	4.15	---	---	---	---	---	---	---
MIN	---	2.84	3.03	---	3.32	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204115 HONEY CREEK AT TURNER ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334029 LONGITUDE 0840503 NAD83 DRAINAGE AREA 5.20 CONTRIBUTING DRAINAGE AREA 5.20* DATUM 770.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.41	0.00	0.06	0.00	---	---	---	---	---
2	0.00	0.00	0.00	0.14	0.00	0.00	0.00	---	---	---	---	---
3	0.00	0.25	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
4	0.02	0.13	0.05	---	0.20	0.08	0.02	---	---	---	---	---
5	0.00	1.03	0.60	---	0.00	0.92	0.23	---	---	---	---	---
6	0.35	0.00	0.17	---	0.76	1.50	0.61	---	---	---	---	---
7	0.36	0.00	0.00	0.00	0.04	0.08	0.63	---	---	---	---	---
8	0.00	0.00	0.00	0.00	0.00	0.01	0.09	---	---	---	---	---
9	0.00	0.04	0.00	0.04	0.07	0.00	0.09	---	---	---	---	---
10	0.02	0.01	1.10	0.02	0.56	0.00	0.41	---	---	---	---	---
11	0.00	1.16	0.01	0.00	0.00	0.00	0.00	---	---	---	---	---
12	0.08	0.28	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
13	0.75	0.00	0.71	0.00	0.00	0.00	0.00	---	---	---	---	---
14	0.01	0.01	0.00	0.00	0.01	0.00	0.00	---	---	---	---	---
15	2.72	0.21	0.01	0.00	0.00	0.45	0.00	---	---	---	---	---
16	---	0.69	0.00	0.17	1.50	0.00	0.00	---	---	---	---	---
17	---	0.00	0.00	0.00	0.01	0.70	---	---	---	---	---	---
18	0.01	0.04	0.00	0.00	0.00	0.05	---	---	---	---	---	---
19	0.00	0.01	0.70	0.00	0.00	2.47	---	---	---	---	---	---
20	0.59	0.04	0.05	0.00	0.00	---	---	---	---	---	---	---
21	---	0.08	0.00	0.06	0.12	---	---	---	---	---	---	---
22	---	0.01	0.01	0.49	1.37	0.00	---	---	---	---	---	---
23	---	0.00	0.05	0.00	0.00	0.00	---	---	---	---	---	---
24	---	0.00	2.25	0.00	0.00	0.00	---	---	---	---	---	---
25	---	0.00	0.01	0.00	0.00	0.00	---	---	---	---	---	---
26	0.00	0.00	0.00	0.00	0.31	0.27	---	---	---	---	---	---
27	---	0.00	0.00	0.00	0.19	0.00	---	---	---	---	---	---
28	---	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---	---
29	0.13	0.00	0.00	0.79	---	0.00	---	---	---	---	---	---
30	0.00	0.00	0.01	0.58	---	0.22	---	---	---	---	---	---
31	0.00	---	0.43	0.00	---	---	---	---	---	---	---	---
TOTAL	---	3.99	6.16	---	5.14	---	---	---	---	---	---	---

ALTAMAHA RIVER BASIN
2003 Water Year

02204115 HONEY CREEK AT TURNER ROAD, NEAR CONYERS, GA

LOCATION.—Lat 33°40'29", long 84°05'03" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, 2.3 miles north of GA 212, 1.7 miles south of unnamed tributary from Abbot Lake, 1.7 miles west of Interstate 20, and 1.8 miles east of Klondike Road.

DRAINAGE AREA.—5.2 square miles.

COOPERARTION.—Rockdale County Department of Water Resources.

PERIOD OF RECORD.—November 2, 2001 to April 16, 2003 (discontinued).

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: November 2, 2001 to April 16, 2003.
WATER TEMPERATURE: November 2, 2001 to April 16, 2003.
TURBIDITY: November 2, 2001 to April 16, 2003.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good, except for turbidity records, which are poor.

EXTREMES FOR PERIOD OF DAILY.—
SPECIFIC CONDUCTANCE: Maximum, 123 microsiemens, January 4, 2002; minimum, 31 microsiemens, February 6, March 19, 2003.
WATER TEMPERATURE: Maximum, 26.3 °C, June 6, July 5, 2002; minimum, 1.4 °C, January 4, 2002.
TURBIDITY: Maximum, >1,100 NTU, July 26; minimum, 2.4 NTU, September 6, 8, 9, 2002.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum, 116 microsiemens, December 24; minimum, 31 microsiemens, March 19.
WATER TEMPERATURE: Maximum, 24.5 °C, October 7; minimum, 1.6 °C, January 24.
TURBIDITY: Maximum, 936 NTU, January 1; minimum, 3.9 NTU, November 25-27.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204115 HONEY CREEK AT TURNER ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334029 LONGITUDE 0840503 NAD83 DRAINAGE AREA 5.20 CONTRIBUTING DRAINAGE AREA 5.20 DATUM 770.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	99	89	91	94	78	81	---	---	---	---	---	---
2	92	91	91	81	79	80	---	---	---	---	---	---
3	93	91	92	81	79	81	---	---	---	---	61	---
4	95	92	93	85	59	68	---	---	---	---	---	---
5	95	93	94	68	43	55	---	---	---	---	---	---
6	100	90	94	68	48	61	65	63	64	65	64	65
7	90	53	62	79	68	71	69	65	68	65	64	65
8	70	60	67	87	73	75	72	69	71	66	65	66
9	76	69	73	93	75	78	73	71	72	66	65	66
10	83	75	79	106	81	96	74	42	67	68	65	67
11	87	82	84	104	35	62	62	42	55	71	67	70
12	88	85	86	65	48	57	72	62	66	67	66	67
13	88	39	58	72	65	69	68	45	55	66	66	66
14	---	61	---	74	72	73	65	57	63	67	66	66
15	72	33	48	80	73	74	---	65	---	67	66	66
16	---	---	---	80	47	56	---	---	---	67	66	67
17	77	---	---	68	58	64	---	---	---	75	64	72
18	82	75	78	78	68	69	---	---	---	64	62	63
19	81	79	80	---	70	---	73	53	70	66	64	65
20	81	53	75	---	---	---	73	40	54	66	65	66
21	---	54	---	---	---	---	83	61	66	65	65	65
22	76	---	---	---	---	---	90	67	76	88	55	65
23	78	76	77	---	---	---	98	69	79	60	55	58
24	---	---	---	---	---	---	116	34	60	65	60	62
25	80	79	80	---	---	---	---	---	---	66	65	65
26	86	79	82	---	---	---	---	---	---	65	64	65
27	82	79	80	---	---	---	---	---	---	66	64	65
28	83	50	77	---	---	---	---	---	---	69	66	67
29	68	43	54	---	---	---	---	---	---	72	55	66
30	80	68	75	---	---	---	---	65	---	57	44	51
31	94	79	81	---	---	---	89	52	67	64	57	63
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204115 HONEY CREEK AT TURNER ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334029 LONGITUDE 0840503 NAD83 DRAINAGE AREA 5.20 CONTRIBUTING DRAINAGE AREA 5.20 DATUM 770.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	65	64	65	62	61	62	61	59	60	---	---	---
2	66	64	65	64	61	63	62	60	61	---	---	---
3	69	64	66	64	62	63	64	60	62	---	---	---
4	71	55	61	64	62	63	64	61	62	---	---	---
5	62	57	60	67	47	65	73	54	61	---	---	---
6	72	47	63	55	34	43	65	44	56	---	---	---
7	57	44	49	62	54	59	58	40	48	---	---	---
8	62	57	60	64	62	63	62	53	59	---	---	---
9	64	62	63	65	64	65	65	62	64	---	---	---
10	69	41	50	66	64	65	66	53	63	---	---	---
11	62	54	58	65	64	65	60	49	56	---	---	---
12	63	62	63	66	60	63	64	60	62	---	---	---
13	64	63	64	62	61	62	64	62	63	---	---	---
14	64	63	64	64	62	63	64	62	64	---	---	---
15	64	63	63	74	48	56	70	63	68	---	---	---
16	66	33	48	61	55	59	70	69	70	---	---	---
17	59	52	57	65	41	53	---	---	---	---	---	---
18	62	59	61	62	51	57	---	---	---	---	---	---
19	63	61	62	64	31	58	---	---	---	---	---	---
20	64	61	63	---	---	---	---	---	---	---	---	---
21	64	61	63	---	---	---	---	---	---	---	---	---
22	68	32	51	---	---	---	---	---	---	---	---	---
23	59	53	56	---	---	---	---	---	---	---	---	---
24	61	59	60	59	58	58	---	---	---	---	---	---
25	63	60	61	60	58	59	---	---	---	---	---	---
26	70	61	63	61	60	60	---	---	---	---	---	---
27	67	53	56	---	---	---	---	---	---	---	---	---
28	61	57	60	62	60	61	---	---	---	---	---	---
29	---	---	---	62	60	61	---	---	---	---	---	---
30	---	---	---	72	52	61	---	---	---	---	---	---
31	---	---	---	59	53	56	---	---	---	---	---	---
MONTH	72	32	60	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204115 HONEY CREEK AT TURNER ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334029 LONGITUDE 0840503 NAD83 DRAINAGE AREA 5.20 CONTRIBUTING DRAINAGE AREA 5.20 DATUM 770.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204115 HONEY CREEK AT TURNER ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334029 LONGITUDE 0840503 NAD83 DRAINAGE AREA 5.20 CONTRIBUTING DRAINAGE AREA 5.20 DATUM 770.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.2	21.0	21.5	16.3	12.7	13.8	9.9	6.1	7.6	11.7	10.7	11.0
2	22.5	21.4	21.8	14.6	11.5	12.5	7.8	5.0	6.0	11.9	10.3	10.9
3	22.4	21.3	21.8	14.0	12.2	12.8	8.3	6.2	6.9	11.3	7.3	9.6
4	22.1	21.4	21.7	14.5	13.4	14.0	8.7	7.6	8.3	---	---	---
5	22.6	21.7	22.1	14.7	13.6	14.0	---	---	---	---	---	---
6	24.0	21.9	22.6	15.7	13.4	14.7	8.2	---	---	7.8	---	---
7	24.5	21.9	22.9	13.7	10.9	12.2	7.5	4.0	5.3	7.6	4.3	5.6
8	23.9	21.0	21.7	13.0	10.1	11.3	7.0	4.3	5.3	9.0	4.5	6.0
9	21.2	18.9	19.7	14.1	11.2	12.1	7.8	5.9	6.5	11.6	6.9	8.4
10	19.5	18.9	19.1	16.2	14.1	14.9	8.5	7.1	7.4	11.3	9.4	10.4
11	20.0	19.1	19.5	18.2	16.2	17.3	8.7	7.4	8.1	10.0	5.2	6.7
12	20.4	19.7	20.0	17.4	15.2	16.6	9.3	7.9	8.4	7.0	3.9	5.0
13	22.7	20.0	21.4	15.2	12.3	13.7	8.8	7.8	8.4	7.0	4.5	5.3
14	21.4	19.4	20.0	13.6	9.9	11.6	8.4	6.8	7.6	8.0	4.1	5.4
15	19.7	14.6	16.3	12.8	9.7	11.2	8.2	5.0	6.4	7.9	4.2	5.6
16	---	---	---	14.2	12.8	13.9	9.1	5.3	6.8	6.7	3.5	4.5
17	17.0	13.9	15.3	13.2	9.7	11.4	9.5	6.9	7.9	6.3	4.2	5.1
18	16.3	12.9	14.4	11.4	7.6	9.2	9.4	7.7	8.5	5.9	2.2	3.3
19	16.3	13.3	14.4	11.3	9.0	10	12.3	8.6	9.3	4.9	2.2	3.1
20	18.8	14.7	16.0	12.3	11.0	11.4	12.7	9.2	11.4	7.6	2.6	4.1
21	---	17.6	---	13.9	12.2	12.8	9.2	6.0	7.6	10.3	6.9	8.0
22	17.5	17.1	17.2	13.0	9.9	11.1	9.9	6.4	7.8	10.8	9.4	10.0
23	17.3	16.1	16.4	10.1	7.1	8.4	9.7	6.8	8.1	9.6	4.0	6.1
24	---	---	---	10.4	7.0	8.3	---	---	---	4.8	1.6	2.4
25	---	16.1	---	10.4	7.6	8.8	---	---	---	4.5	1.7	2.6
26	17.4	16.1	16.4	10.8	7.8	8.9	---	---	---	6.1	3.3	4.1
27	17.7	16.5	16.9	10.9	9.6	10.3	---	---	---	6.0	2.9	4.1
28	19.7	17.6	18.2	10.2	6.2	7.5	---	---	---	7.1	2.6	4.1
29	20.8	19.1	19.7	8.5	5.2	6.5	---	---	---	9.5	6.0	7.0
30	19.4	18.0	18.6	9.8	7.5	8.2	9.0	---	---	9.8	8.9	9.3
31	18.3	14.6	15.8	---	---	---	11.9	7.8	9.0	11.3	7.9	9.0
MONTH	---	---	---	18.2	5.2	11.6	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204115 HONEY CREEK AT TURNER ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334029 LONGITUDE 0840503 NAD83 DRAINAGE AREA 5.20 CONTRIBUTING DRAINAGE AREA 5.20 DATUM 770.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	11.3	7.3	8.8	10.8	9.3	9.8	16.5	8.8	11.5	---	---	---
2	11.5	6.1	8.0	13.1	9.7	10.8	17.8	11.7	13.9	---	---	---
3	11.9	7.2	8.9	12.6	7.4	9.8	18.4	12.4	14.6	---	---	---
4	13.8	10.9	11.9	13.2	8.0	10.1	18.8	14.0	15.8	---	---	---
5	10.9	6.4	8.2	13.8	11.3	12.2	19.2	15.9	17.4	---	---	---
6	9.2	7.1	7.6	13.4	12.5	13.0	19.1	15.1	16.4	---	---	---
7	8.3	6.4	7.1	16.3	11.6	13.4	17.4	15.8	16.6	---	---	---
8	8.7	4.5	6.3	15.1	11.6	13.0	15.8	13.8	14.6	---	---	---
9	10.3	5.5	7.1	18.0	12.0	14.3	13.8	12.6	13.2	---	---	---
10	10.9	7.6	8.8	17.1	10.5	13.5	12.6	10.9	11.6	---	---	---
11	10.7	4.9	7.3	16.6	9.3	12.6	15.5	9.8	12.1	---	---	---
12	11.3	5.7	7.7	17.7	10.1	13.2	18.6	10.4	13.3	---	---	---
13	10.5	5.6	7.6	18.2	13.1	15.0	19.0	12.5	14.9	---	---	---
14	9.6	6.4	7.6	17.0	14.2	15.1	18.9	12.9	15.4	---	---	---
15	12.5	8.2	9.2	14.2	11.8	12.6	19.6	14.6	16.7	---	---	---
16	12.5	7.3	9.4	16.2	12.0	13.3	19.7	15.1	16.9	---	---	---
17	8.0	6.5	7.1	14.5	12.6	13.4	---	---	---	---	---	---
18	10.5	6.2	7.6	14.8	13.4	14.0	---	---	---	---	---	---
19	10.3	5.7	7.5	15.0	14.3	14.6	---	---	---	---	---	---
20	13.0	7.8	9.7	---	---	---	---	---	---	---	---	---
21	11.4	9.8	10.3	---	---	---	---	---	---	---	---	---
22	15.5	10.6	13.1	---	---	---	---	---	---	---	---	---
23	14.1	9.4	11.6	---	---	---	---	---	---	---	---	---
24	14.7	8.0	10.5	19.4	---	---	---	---	---	---	---	---
25	13.4	9.4	11.1	19.8	11.7	15.3	---	---	---	---	---	---
26	11.3	8.8	9.6	---	13.5	---	---	---	---	---	---	---
27	9.3	7.7	8.2	---	---	---	---	---	---	---	---	---
28	13.0	8.0	9.5	19.8	---	---	---	---	---	---	---	---
29	---	---	---	18.8	15.4	16.8	---	---	---	---	---	---
30	---	---	---	16.2	12.1	14.1	---	---	---	---	---	---
31	---	---	---	15.2	8.6	11.1	---	---	---	---	---	---
MONTH	15.5	4.5	8.8	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204115 HONEY CREEK AT TURNER ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334029 LONGITUDE 0840503 NAD83 DRAINAGE AREA 5.20 CONTRIBUTING DRAINAGE AREA 5.20 DATUM 770.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204115 HONEY CREEK AT TURNER ROAD, NEAR CONYERS, GA SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334029 LONGITUDE 0840503 NAD83 DRAINAGE AREA 5.20 CONTRIBUTING DRAINAGE AREA 5.20 DATUM 770.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21	11	14	22	7.9	10	21	7.7	11	936	37	75
2	18	12	13	28	7.5	9.8	19	9.0	13	98	25	37
3	---	---	---	32	8.1	11	21	9.4	13	54	15	20
4	---	---	---	20	9.7	14	17	12	14	---	---	---
5	22	10	11	161	9.7	67	---	---	---	---	---	---
6	35	9.9	11	79	22	31	35	17	22	---	11	---
7	39	20	26	23	10	17	18	11	14	15	11	12
8	26	9.5	14	28	9.7	15	17	8.6	11	14	11	12
9	16	9.4	11	13	6.2	9.6	17	7.5	9.5	15	10	11
10	17	9.9	11	12	5.4	6.8	98	9.1	12	21	11	12
11	26	11	13	423	6.4	88	74	17	30	16	11	12
12	23	12	14	183	24	43	21	7.5	16	13	10	11
13	300	14	91	46	12	21	84	10	39	14	10	11
14	49	19	33	29	9.3	12	30	13	21	12	9.8	11
15	230	17	123	15	5.9	9.8	16	6.7	12	15	10	12
16	---	---	---	57	8.0	35	14	7.0	9.8	19	11	12
17	36	18	27	21	10	13	13	5.9	7.7	22	16	19
18	20	12	16	12	5.9	8.7	12	5.1	7.8	19	12	15
19	17	9.1	12	17	5.4	7.5	98	4.8	11	86	10	12
20	119	8.7	11	13	6.0	7.9	146	21	47	13	9.1	10
21	85	25	47	16	5.7	7.7	25	7.8	19	12	9.3	10
22	19	10	14	18	5.6	8.2	18	5.6	11	49	10	29
23	15	8.5	10	11	4.2	7.8	13	4.5	9.3	25	17	20
24	---	---	---	19	4.3	7.4	---	---	---	18	14	15
25	14	9.2	10	14	3.9	7.7	---	---	---	15	12	12
26	21	9.6	12	17	3.9	8.8	---	---	---	15	12	12
27	22	9.3	9.9	14	3.9	6.5	---	---	---	14	12	13
28	84	9.5	12	22	4.2	9.9	---	---	---	23	11	12
29	139	32	54	15	4.3	8.6	---	---	---	51	9.7	12
30	39	13	22	13	5.2	8.7	---	10	---	157	31	50
31	19	9.0	13	---	---	---	82	9.0	13	32	18	23
MAX	---	---	---	423	24	88	---	---	---	---	---	---
MIN	---	---	---	11	3.9	6.5	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204115 HONEY CREEK AT TURNER ROAD, NEAR CONYERS, GA SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334029 LONGITUDE 0840503 NAD83 DRAINAGE AREA 5.20 CONTRIBUTING DRAINAGE AREA 5.20 DATUM 770.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	20	14	15	---	---	---	14	9.4	10	---	---	---
2	15	12	13	---	---	---	15	8.8	10	---	---	---
3	15	10	12	36	11	16	15	9.8	11	---	---	---
4	63	10	35	14	11	12	17	8.9	11	---	---	---
5	41	19	28	128	10	12	57	10	12	---	---	---
6	58	11	14	758	66	146	184	12	23	---	---	---
7	70	21	37	66	32	41	135	40	69	---	---	---
8	21	14	18	32	18	23	46	19	27	---	---	---
9	14	10	12	22	14	17	22	13	18	---	---	---
10	87	11	44	18	13	15	---	12	---	---	---	---
11	28	16	22	15	12	13	---	---	---	---	---	---
12	16	13	15	16	11	13	---	---	---	---	---	---
13	16	12	13	16	11	12	---	---	---	---	---	---
14	16	12	13	16	11	12	---	---	---	---	---	---
15	13	10	11	58	11	31	13	7.4	9.6	---	---	---
16	490	12	87	23	13	16	13	7.7	9.6	---	---	---
17	60	26	37	90	12	35	---	---	---	---	---	---
18	27	16	22	34	16	20	---	---	---	---	---	---
19	16	13	14	901	15	47	---	---	---	---	---	---
20	16	12	13	---	---	---	---	---	---	---	---	---
21	16	12	13	---	---	---	---	---	---	---	---	---
22	601	14	76	---	---	---	---	---	---	---	---	---
23	60	26	41	---	---	---	---	---	---	---	---	---
24	29	16	22	18	---	---	---	---	---	---	---	---
25	35	14	17	19	12	14	---	---	---	---	---	---
26	33	12	14	17	11	13	---	---	---	---	---	---
27	34	18	28	---	---	---	---	---	---	---	---	---
28	20	15	17	20	10	11	---	---	---	---	---	---
29	---	---	---	20	11	12	---	---	---	---	---	---
30	---	---	---	19	11	14	---	---	---	---	---	---
31	---	---	---	16	9.6	11	---	---	---	---	---	---
MAX	601	26	87	---	---	---	---	---	---	---	---	---
MIN	13	10	11	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204115 HONEY CREEK AT TURNER ROAD, NEAR CONYERS, GA SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334029 LONGITUDE 0840503 NAD83 DRAINAGE AREA 5.20 CONTRIBUTING DRAINAGE AREA 5.20 DATUM 770.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

ALTAMAHA RIVER BASIN
2003 Water Year

02204115 HONEY CREEK AT TURNER ROAD, NEAR CONYERS, GA

LOCATION.—Lat 33°40’29’’, long 84°05’03” referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, 2.3 miles north of GA 212, 1.7 miles south of unnamed tributary from Abbot Lake, 1.7 miles west of Interstate 20, and 1.8 miles east of Klondike Road.

DRAINAGE AREA.—5.2 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—November 1, 2001 to April 7, 2003 (discontinued).

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses of biological oxygen demand are by the U.S. Geological Survey, Ocala Water-Quality and Resource Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Missouri District Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Turbidity, water, unfltrd field, NTU (61028)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, percent of saturation (00301)	Dissolved oxygen, mg/L (00300)
DEC													
05...	1055	--	80020	3.34	55	74	7.2	8.0	53	52	744	95	11.8
DEC													
19-20	2215	0850	80020	--	--	65	--	7.4	--	49	--	--	--
JAN													
07...	0950	--	80020	3.26	15	20	7.0	7.2	67	66	752	84	10.8
JAN													
22-22	0409	1704	80020	--	31	17	6.8	7.8	61	64	--	--	--
JAN													
29-30	2000	0900	80020	--	66	56	6.5	7.6	--	56	--	--	--
FEB													
04-04	0600	1200	80020	--	33	30	--	7.8	62	65	--	--	--
16...	1320	--	80020	5.10	180	120	6.4	7.4	36	37	741	96	11.0
MAR													
06...	0940	--	80020	7.11	280	180	6.3	7.0	32	34	740	101	10.3
APR													
01...	1025	--	80020	3.57	11	12	6.4	7.6	61	65	753	89	10.2
07...	0850	--	80020	3.75	54	50	6.5	6.3	57	60	745	86	8.3

02204115 HONEY CREEK AT TURNER ROAD, NEAR CONYERS, GA—continued.

Date	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, fltrd, mg/L (71846)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)
DEC													
05...	5.4	--	--	--	.88	.222	.29	.424	.66	<.007	.119	1.3	10.4
DEC													
19-20	--	--	40	42	.47	.068	.09	.278	.40	<.007	.076	.75	6.9
JAN													
07...	4.3	--	--	--	.25	.099	.13	.412	.15	<.007	.017	.67	3.2
JAN													
22-22	--	--	39	15	.52	.175	.23	.481	.35	<.007	.028	1.0	5.6
JAN													
29-30	--	--	34	57	.56	.153	.20	.390	.41	<.007	.064	.95	7.3
FEB													
04-04	--	--	48	17	.34	.093	.12	.431	.24	<.007	.031	.77	4.5
16...	8.3	--	--	--	.51	.033	.04	.199	.47	<.007	.099	.71	6.1
MAR													
06...	13.0	10.0	--	--	.72	.057	.07	.211	.67	<.007	.167	.94	10.0
APR													
01...	8.9	20.3	42	<10	.23	.068	.09	.356	.16	<.007	.019	.59	3.6
07...	16.2	15.7	--	--	.64	.166	.21	.352	.47	E.006	.099	.99	7.5

Date	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Chlorophyll b phytoplankton, fluoro, ug/L (70954)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Cadmium water, fltrd, ug/L (01025)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Suspended sediment concentration mg/L (80154)	Suspnd. sediment, sieve diametr percent <.063mm (70331)
DEC													
05...	5.4	--	E.9	<.1	11	3.32	.623	--	E1.0	.13	9	--	--
DEC													
19-20	1.5	20	--	--	12	3.63	.656	E.02	E1.0	.34	8	--	--
JAN													
07...	.7	--	.5	<.1	16	4.58	1.02	--	<1.2	.12	7	--	--
JAN													
22-22	3.2	E20	--	--	13	3.88	.717	<.04	1.3	.12	9	31	93
JAN													
29-30	3.3	E20	--	--	12	3.63	.665	<.04	E1.1	.17	8	--	--
FEB													
04-04	2.9	20	--	--	15	4.58	.964	<.04	E1.1	.14	6	23	90
16...	2.3	--	1.1	<.1	8	2.54	.488	--	1.6	.28	8	108	80
MAR													
06...	1.4	--	2.5	<.1	8	2.47	.469	--	1.4	.26	6	167	95
APR													
01...	.7	<10	--	--	16	4.55	1.06	<.04	<1.2	E.07	4	7	89
07...	E2.9	--	E1.1	<.1	14	4.38	.828	--	1.7	.27	8	41	83

02204115 HONEY CREEK AT TURNER ROAD, NEAR CONYERS, GA—continued.

Date	Sampler type, code (84164)	Sam-pling method, code (82398)
DEC 05...	3052	10
DEC 19-20	4115	25
JAN 07...	3052	10
JAN 22-22	4115	25
JAN 29-30	4115	25
FEB 04-04	4115	25
FEB 16...	3060	10
MAR 06...	3052	10
APR 01...	3052	10
APR 07...	3060	10

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this report:
   c -- See laboratory comment
   d -- Diluted sample: method hi range exceeded
   k -- Counts outside acceptable range
   m -- Highly var comp using method, ? prec
   n -- Below the NDV
   o -- Result determined by alternate method
   t -- Below the long-term MDL

ALTAMAHA RIVER BASIN
2003 Water Year

02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA

LOCATION.—Lat 33°39'44", long 84°05'03" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, on left downstream side of bridge on Hurst Road, 4.3 miles south of Lithonia, and 2.5 miles east of Arabia Mountain.

DRAINAGE AREA.—8.0 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 18, 2003 to September 30, 2003.

GAGE.—Satellite telemetry with water-stage recorder and continuous water-quality monitor. Datum of gage 760.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 18, 2003 to September 30, 2003.

GAGE.—Satellite telemetry with water-stage recorder and continuous water-quality monitor. Datum of gage 760.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records poor.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.05 feet, May 6; minimum gage-height recorded, 1.23 feet, September 20.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 18, 2003 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0* CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	6.3	6.9	132	7.5	2.6
2	---	---	---	---	---	---	---	12	5.9	115	5.0	2.5
3	---	---	---	---	---	---	---	16	10	26	14	14
4	---	---	---	---	---	---	---	9.2	11	20	9.2	11
5	---	---	---	---	---	---	---	23	6.7	15	5.5	5.4
6	---	---	---	---	---	---	---	292	9.4	18	5.5	3.7
7	---	---	---	---	---	---	---	132	40	11	4.7	3.3
8	---	---	---	---	---	---	---	54	14	9.5	20	2.7
9	---	---	---	---	---	---	---	25	8.0	7.9	25	2.5
10	---	---	---	---	---	---	---	18	6.7	12	8.1	2.4
11	---	---	---	---	---	---	---	16	6.2	17	8.3	2.4
12	---	---	---	---	---	---	---	14	8.5	9.6	8.5	2.2
13	---	---	---	---	---	---	---	9.9	16	12	7.2	2.3
14	---	---	---	---	---	---	---	9.9	27	54	6.2	4.0
15	---	---	---	---	---	---	---	45	20	15	4.6	11
16	---	---	---	---	---	---	---	59	18	11	4.4	3.3
17	---	---	---	---	---	---	---	21	46	8.8	5.3	2.4
18	---	---	---	---	---	---	9.6	37	50	7.0	4.6	2.0
19	---	---	---	---	---	---	8.1	28	28	6.1	4.9	1.9
20	---	---	---	---	---	---	8.0	19	16	5.9	23	1.8
21	---	---	---	---	---	---	8.3	19	11	5.9	6.9	1.8
22	---	---	---	---	---	---	8.2	139	8.8	7.7	4.7	25
23	---	---	---	---	---	---	7.6	61	7.9	27	3.8	26
24	---	---	---	---	---	---	7.6	25	7.1	11	3.7	5.4
25	---	---	---	---	---	---	38	18	5.8	7.0	3.3	3.4
26	---	---	---	---	---	---	12	16	4.9	5.8	3.3	3.0
27	---	---	---	---	---	---	8.4	13	4.8	5.3	2.8	2.8
28	---	---	---	---	---	---	7.4	11	17	4.4	2.6	3.5
29	---	---	---	---	---	---	6.7	9.2	7.9	3.9	3.0	2.4
30	---	---	---	---	---	---	6.4	8.2	6.4	4.8	2.8	2.3
31	---	---	---	---	---	---	---	7.7	---	9.7	2.9	---
TOTAL	---	---	---	---	---	---	---	1173.4	435.9	605.3	221.3	159.0
MEAN	---	---	---	---	---	---	---	37.9	14.5	19.5	7.14	5.30
MAX	---	---	---	---	---	---	---	292	50	132	25	26
MIN	---	---	---	---	---	---	---	6.3	4.8	3.9	2.6	1.8
CFSM	---	---	---	---	---	---	---	4.73	1.82	2.44	0.89	0.66
IN.	---	---	---	---	---	---	---	5.46	2.03	2.81	1.03	0.74

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0* CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	2.01	1.56	3.12	1.58	1.32
2	---	---	---	---	---	---	---	2.22	1.51	3.15	1.47	1.31
3	---	---	---	---	---	---	---	2.40	1.67	2.11	1.73	1.63
4	---	---	---	---	---	---	---	2.16	1.71	1.97	1.65	1.71
5	---	---	---	---	---	---	---	2.27	1.55	1.85	1.49	1.48
6	---	---	---	---	---	---	---	4.41	1.61	1.91	1.49	1.39
7	---	---	---	---	---	---	---	3.33	2.33	1.74	1.45	1.37
8	---	---	---	---	---	---	---	2.54	1.82	1.67	1.73	1.33
9	---	---	---	---	---	---	---	2.10	1.61	1.61	2.04	1.31
10	---	---	---	---	---	---	---	1.93	1.55	1.72	1.61	1.30
11	---	---	---	---	---	---	---	1.88	1.52	1.89	1.60	1.30
12	---	---	---	---	---	---	---	1.81	1.62	1.68	1.62	1.29
13	---	---	---	---	---	---	---	1.69	1.81	1.66	1.57	1.29
14	---	---	---	---	---	---	---	1.69	2.05	2.50	1.52	1.35
15	---	---	---	---	---	---	---	2.34	1.97	1.84	1.44	1.66
16	---	---	---	---	---	---	---	2.58	1.90	1.71	1.43	1.36
17	---	---	---	---	---	---	---	2.01	2.39	1.64	1.48	1.30
18	---	---	---	---	---	---	2.18	2.27	2.44	1.56	1.44	1.27
19	---	---	---	---	---	---	2.11	2.15	2.14	1.52	1.46	1.26
20	---	---	---	---	---	---	2.11	1.95	1.86	1.51	1.99	1.26
21	---	---	---	---	---	---	2.12	1.93	1.72	1.51	1.56	1.26
22	---	---	---	---	---	---	2.12	3.33	1.65	1.58	1.45	1.77
23	---	---	---	---	---	---	2.08	2.61	1.60	2.06	1.40	2.01
24	---	---	---	---	---	---	2.08	2.09	1.57	1.74	1.39	1.49
25	---	---	---	---	---	---	2.75	1.93	1.50	1.56	1.37	1.37
26	---	---	---	---	---	---	2.28	1.88	1.46	1.51	1.36	1.34
27	---	---	---	---	---	---	2.13	1.79	1.45	1.48	1.33	1.33
28	---	---	---	---	---	---	2.07	1.72	1.84	1.43	1.31	1.38
29	---	---	---	---	---	---	2.04	1.66	1.60	1.40	1.34	1.30
30	---	---	---	---	---	---	2.02	1.62	1.53	1.44	1.33	1.29
31	---	---	---	---	---	---	---	1.60	---	1.66	1.34	---
MEAN	---	---	---	---	---	---	---	2.19	1.75	1.80	1.52	1.40
MAX	---	---	---	---	---	---	---	4.41	2.44	3.15	2.04	2.01
MIN	---	---	---	---	---	---	---	1.60	1.45	1.40	1.31	1.26

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0* CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	0.21	0.00	4.14	0.02	0.00
2	---	---	---	---	---	---	---	1.30	0.00	0.03	0.00	0.00
3	---	---	---	---	---	---	---	0.09	0.26	0.03	0.48	0.56
4	---	---	---	---	---	---	---	0.00	0.45	0.01	0.01	0.03
5	---	---	---	---	---	---	---	3.34	0.00	0.17	0.08	0.00
6	---	---	---	---	---	---	---	2.37	0.57	0.00	0.04	0.02
7	---	---	---	---	---	---	---	0.45	0.89	0.01	0.00	0.00
8	---	---	---	---	---	---	---	0.00	0.00	0.04	3.16	0.00
9	---	---	---	---	---	---	---	0.00	0.00	0.00	0.01	0.00
10	---	---	---	---	---	---	---	0.00	0.00	0.78	0.00	0.00
11	---	---	---	---	---	---	---	0.18	0.00	0.36	0.53	0.00
12	---	---	---	---	---	---	---	0.00	0.14	0.00	0.00	0.00
13	---	---	---	---	---	---	---	0.00	0.35	1.92	0.00	0.00
14	---	---	---	---	---	---	---	0.05	0.72	0.01	0.00	0.36
15	---	---	---	---	---	---	---	1.25	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	---	0.93	0.02	0.02	0.02	0.00
17	---	---	---	---	---	---	---	0.02	0.68	0.00	0.00	0.00
18	---	---	---	---	---	---	0.00	0.73	0.87	0.00	0.31	0.00
19	---	---	---	---	---	---	0.00	0.24	0.02	---	0.75	0.00
20	---	---	---	---	---	---	0.00	0.01	0.00	---	0.01	0.00
21	---	---	---	---	---	---	0.02	0.36	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	0.00	2.11	0.00	0.31	0.00	1.78
23	---	---	---	---	---	---	0.00	0.00	0.00	---	0.00	0.00
24	---	---	---	---	---	---	0.18	0.00	0.00	---	0.00	0.00
25	---	---	---	---	---	---	1.20	0.01	0.00	0.00	0.00	0.00
26	---	---	---	---	---	---	0.00	0.21	0.00	0.18	0.00	0.00
27	---	---	---	---	---	---	0.00	0.00	0.02	0.00	0.00	0.34
28	---	---	---	---	---	---	0.00	0.00	0.80	0.00	0.26	0.01
29	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.01	0.00
30	---	---	---	---	---	---	0.00	0.00	0.06	0.72	0.07	0.00
31	---	---	---	---	---	---	---	0.00	---	0.23	0.00	---
TOTAL	---	---	---	---	---	---	---	13.86	5.85	---	5.76	3.10

ALTAMAHA RIVER BASIN
2003 Water Year

02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA

LOCATION.—Lat. 33°39'44", long. 84°05'03" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit Code 03070103, 0.5 mile north of Goddard Road, 4.3 miles south of Lithonia, 2.5 miles east of Arabia Mountain, and 3.5 miles west of Interstate 20.

DRAINAGE AREA.—8.0 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIOD OF DAILY RECORD.—April 17, 2003 to September 30, 2003.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: April 17, 2003 to September 30, 2003.
WATER TEMPERATURE: April 17, 2003 to September 30, 2003.
TURBIDITY: April 17, 2003 to September 30, 2003.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good, except turbidity, which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 73 microsiemens, August 25, 2003; minimum recorded, 24 microsiemens, May 6, 2003.
WATER TEMPERATURE: Maximum recorded, 27.2°C, July 8, July 15, 2003; minimum recorded, 15.2°C, April 25, 2003.
TURBIDITY: Maximum recorded, 930 NTU, August 20, 2003; minimum recorded, 4.6 NTU, September 21, 2003.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0 CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	65	58	62	65	62	64	55	53	54	55	53	54
2	65	58	62	66	61	63	55	54	55	56	55	55
3	67	60	63	68	64	66	56	54	55	56	55	55
4	68	64	65	66	63	64	64	51	57	56	55	55
5	69	61	65	66	51	63	54	50	52	67	47	56
6	69	61	63	59	51	55	57	54	56	50	46	48
7	66	62	64	63	59	62	59	57	58	54	49	51
8	66	62	64	65	63	64	58	58	58	55	53	54
9	67	63	65	66	64	65	61	57	58	65	51	57
10	67	63	64	66	64	65	69	41	51	52	49	51
11	67	63	65	66	64	65	51	46	50	55	52	54
12	68	64	66	67	64	66	54	51	53	56	54	55
13	68	64	66	70	66	67	64	54	55	56	54	55
14	66	60	63	67	63	66	68	44	50	58	53	56
15	67	63	65	65	63	64	52	48	51	58	56	57
16	68	61	65	65	63	64	55	52	54	59	54	57
17	69	61	65	64	63	63	67	49	53	58	55	56
18	68	66	67	65	63	64	54	50	52	76	50	56
19	69	62	65	65	38	47	55	52	53	52	50	51
20	69	62	65	51	47	49	55	54	55	56	51	53
21	68	61	65	53	51	52	57	54	56	57	53	55
22	68	63	65	54	52	53	57	56	57	57	54	56
23	67	62	64	55	53	54	57	54	56	59	55	57
24	66	63	64	59	54	56	70	49	52	59	55	58
25	67	64	65	58	54	57	52	50	51	70	38	48
26	81	50	63	55	52	53	54	52	53	46	38	43
27	53	49	51	63	53	54	55	54	55	55	46	51
28	57	53	55	62	47	49	55	55	55	51	49	50
29	62	57	60	51	47	50	56	55	55	52	50	52
30	65	60	62	53	50	52	60	55	57	52	51	52
31	65	63	64	---	---	---	58	53	55	52	51	51
MONTH	81	49	63	70	38	59	70	41	54	76	38	54

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0 CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	53	51	52	52	50	51	---	---	---	---	---	---
2	69	48	54	52	51	52	---	---	---	---	---	---
3	49	47	48	53	51	52	---	---	---	---	---	---
4	51	48	50	54	52	53	---	---	---	---	---	---
5	52	50	52	54	53	53	---	---	---	---	---	---
6	59	35	46	63	53	57	---	---	---	---	---	---
7	46	39	43	56	51	53	---	---	---	---	---	---
8	50	46	47	54	51	53	---	---	---	---	---	---
9	50	49	49	58	53	54	---	---	---	---	---	---
10	51	49	50	62	49	56	---	---	---	---	---	---
11	50	49	50	51	49	50	---	---	---	---	---	---
12	57	30	40	53	51	53	---	---	---	---	---	---
13	45	41	43	54	53	53	---	---	---	---	---	---
14	58	42	45	54	53	53	---	---	---	---	---	---
15	56	40	45	56	53	54	---	---	---	---	---	---
16	46	42	44	60	53	55	---	---	---	---	---	---
17	48	46	47	57	53	55	---	---	---	---	---	---
18	49	47	48	---	---	---	---	---	---	---	---	---
19	50	47	49	---	---	---	---	---	---	---	---	---
20	52	41	48	---	---	---	---	---	---	---	---	---
21	52	49	50	---	---	---	---	---	---	---	---	---
22	50	49	50	---	---	---	---	---	---	---	---	---
23	50	49	50	---	---	---	---	---	---	---	---	---
24	54	50	52	---	---	---	---	---	---	---	---	---
25	57	49	52	---	---	---	---	---	---	---	---	---
26	57	47	53	---	---	---	---	---	---	---	---	---
27	58	51	54	---	---	---	---	---	---	---	---	---
28	53	48	49	---	---	---	---	---	---	---	---	---
29	51	49	50	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	69	30	49	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0 CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0 CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.5	15.5	16.5	16.4	14.0	15.3	9.1	6.9	7.9	8.2	5.5	6.7
2	16.6	15.1	15.9	16.6	14.1	15.5	9.3	7.3	8.2	9.2	6.7	7.9
3	15.6	14.0	14.9	16.5	14.1	15.5	8.0	7.2	7.6	11.2	8.2	9.7
4	16.5	14.1	15.5	17.8	16.2	17.0	7.4	6.7	6.9	12.9	10.4	11.5
5	17.6	15.4	16.6	21.1	17.6	18.7	7.4	6.7	6.9	13.5	11.9	12.8
6	18.3	17.2	17.8	21.0	19.9	20.5	7.7	6.5	7.0	12.2	7.0	9.3
7	18.6	17.9	18.3	20.6	19.0	19.7	7.4	5.7	6.4	7.0	4.2	5.4
8	18.9	18.3	18.6	19.0	16.7	17.8	7.5	5.2	6.2	4.8	3.8	4.3
9	19.3	18.4	18.8	16.7	14.8	15.8	8.3	5.5	6.8	5.8	4.5	5.2
10	19.4	18.7	19.0	14.8	12.9	13.8	11.4	7.5	9.6	5.6	4.5	5.3
11	19.0	18.5	18.6	14.4	12.0	13.3	9.2	7.4	7.9	5.5	3.5	4.4
12	19.5	18.3	18.9	15.7	12.9	14.3	7.6	6.0	6.9	6.2	3.7	4.7
13	19.6	17.6	18.7	15.3	12.0	14.0	7.2	6.5	6.8	7.6	4.7	6.1
14	20.2	18.4	19.5	12.0	10.2	11.2	7.1	6.2	6.7	8.8	5.7	7.3
15	18.4	15.9	16.8	12.1	9.5	10.9	7.1	5.5	6.4	9.4	7.8	8.5
16	16.0	13.9	15.1	13.3	10.3	11.8	8.3	5.9	7.0	8.6	6.5	7.4
17	15.1	13.6	14.6	15.5	12.9	14.2	9.0	7.4	8.3	7.6	6.0	6.8
18	15.3	13.1	14.4	17.0	14.6	15.8	7.4	5.4	6.4	9.5	6.9	8.5
19	15.4	13.2	14.5	17.9	15.5	17.2	7.1	5.8	6.6	9.4	6.2	8.0
20	16.0	13.8	15.1	15.5	13.1	14.1	5.8	4.2	5.2	6.5	4.8	5.6
21	16.7	14.3	15.7	13.8	11.8	12.9	5.4	3.6	4.4	6.6	4.3	5.2
22	17.2	15.5	16.4	13.6	11.6	12.6	6.1	3.8	4.7	6.8	4.3	5.4
23	16.4	14.4	15.5	13.8	11.5	12.6	7.3	4.5	5.9	6.4	4.6	5.4
24	16.3	14.5	15.3	13.6	11.3	12.9	9.6	7.1	8.8	7.7	4.1	5.8
25	16.4	14.8	15.6	11.3	9.1	10.1	7.8	5.3	6.3	9.4	6.1	7.8
26	18.1	16.1	16.8	10.8	8.3	9.5	6.6	4.7	5.6	6.1	5.4	5.6
27	18.0	16.3	17.4	12.5	9.9	10.9	6.8	4.7	5.6	7.0	5.3	6.0
28	16.3	14.2	14.8	13.7	10.7	12.9	7.2	5.0	5.9	6.3	3.2	4.5
29	15.1	13.5	14.3	10.7	7.6	8.6	8.3	5.5	7.0	5.1	3.2	4.3
30	15.5	12.9	14.3	8.3	6.4	7.4	9.3	7.4	8.4	6.6	4.7	5.6
31	16.0	13.4	14.8	---	---	---	8.0	6.1	7.0	6.7	5.1	6.0
MONTH	20.2	12.9	16.4	21.1	6.4	13.9	11.4	3.6	6.8	13.5	3.2	6.7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0 CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.8	5.1	6.0	14.3	8.6	11.0	---	---	---	---	---	---
2	6.6	4.8	5.8	15.4	12.0	13.6	---	---	---	---	---	---
3	7.4	4.6	5.8	17.1	13.0	15.0	---	---	---	---	---	---
4	7.3	5.1	6.2	17.2	14.4	16.0	---	---	---	---	---	---
5	7.0	6.0	6.4	17.0	14.9	16.0	---	---	---	---	---	---
6	7.8	6.0	6.8	18.1	15.9	17.0	---	---	---	---	---	---
7	7.6	5.4	6.4	17.1	13.3	15.3	---	---	---	---	---	---
8	6.9	3.8	5.3	15.2	11.1	12.8	---	---	---	---	---	---
9	6.8	5.5	6.1	12.3	9.5	11.0	---	---	---	---	---	---
10	8.0	5.8	6.7	12.2	8.3	10.5	---	---	---	---	---	---
11	8.5	7.6	8.1	12.5	8.1	10.7	---	---	---	---	---	---
12	8.6	7.0	7.6	13.1	9.7	11.8	---	---	---	---	---	---
13	10.5	7.1	8.5	13.1	9.7	11.8	---	---	---	---	---	---
14	10.1	8.7	9.1	14.9	11.2	13.1	---	---	---	---	---	---
15	9.5	8.4	8.9	15.8	14.1	15.1	---	---	---	---	---	---
16	8.4	6.8	7.7	16.9	14.7	15.7	---	---	---	---	---	---
17	8.2	6.9	7.6	15.6	12.8	14.4	---	---	---	---	---	---
18	9.3	6.2	7.8	---	---	---	---	---	---	---	---	---
19	9.4	6.3	8.1	---	---	---	---	---	---	---	---	---
20	10.3	7.6	8.8	---	---	---	---	---	---	---	---	---
21	12.2	9.4	10.7	---	---	---	---	---	---	---	---	---
22	11.6	7.2	9.5	---	---	---	---	---	---	---	---	---
23	11.0	7.9	9.0	---	---	---	---	---	---	---	---	---
24	10.4	9.2	9.8	---	---	---	---	---	---	---	---	---
25	10.4	8.4	9.4	---	---	---	---	---	---	---	---	---
26	8.4	4.3	5.7	---	---	---	---	---	---	---	---	---
27	8.0	5.1	6.3	---	---	---	---	---	---	---	---	---
28	10.9	4.7	7.5	---	---	---	---	---	---	---	---	---
29	11.2	5.9	8.5	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	12.2	3.8	7.6	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0 CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0 CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	25	5.2	6.0	19	5.3	6.6	10	7.4	8.4	38	7.1	9.5
2	16	5.0	5.5	20	5.4	6.2	9.8	7.1	7.8	57	6.1	9.9
3	6.3	4.8	5.2	24	4.9	6.0	10	7.1	7.8	22	5.9	7.1
4	12	5.1	5.6	21	4.5	5.6	16	7.7	11	23	5.7	6.8
5	16	4.7	5.3	460	4.5	8.9	12	7.9	9.1	64	6.0	8.7
6	20	4.8	5.8	130	15	34	13	7.2	8.2	32	12	16
7	9.9	4.5	5.2	16	7.8	10	13	7.1	7.8	16	8.2	9.9
8	6.9	4.5	5.1	11	6.0	7.6	9.3	6.6	7.2	14	6.9	8.3
9	7.6	4.4	5.2	15	5.4	6.9	11	6.2	6.8	12	6.8	11
10	6.1	3.7	4.3	14	5.6	7.7	130	6.4	57	11	7.2	8.3
11	9.3	3.9	4.5	15	5.7	8.1	49	15	22	11	6.3	7.6
12	8.7	3.9	4.4	17	6.0	8.4	16	11	13	13	5.9	6.7
13	12	4.1	4.6	22	6.5	10	18	8.7	11	10	5.4	6.3
14	7.5	4.0	4.5	14	5.7	9.5	75	18	32	12	5.2	6.2
15	7.6	4.0	4.5	13	5.9	9.6	21	11	14	12	5.6	6.4
16	8.1	3.9	4.4	15	5.3	6.3	16	8.8	10	14	6.2	7.0
17	5.5	3.8	4.3	13	4.9	5.8	30	11	18	13	6.3	7.1
18	8.6	4.0	4.5	13	4.7	5.4	16	9.7	11	50	10	22
19	14	3.9	4.6	440	7.4	78	12	8.0	8.9	16	7.2	9.1
20	9.3	3.7	4.2	32	14	20	13	8.0	8.6	11	6.4	7.8
21	11	3.6	4.3	17	10	12	10	7.6	8.1	10	6.5	7.2
22	5.8	3.3	3.9	48	10	32	11	7.0	7.6	13	5.9	6.7
23	21	3.5	3.9	27	10	14	15	6.7	7.5	16	5.8	6.2
24	20	3.4	4.0	16	8.7	12	60	11	22	11	5.9	6.4
25	5.2	3.2	3.8	15	8.5	10	14	9.0	11	290	6.8	84
26	180	3.3	5.1	14	8.7	9.5	14	7.1	8.2	78	20	36
27	70	12	19	51	8.4	9.2	12	7.1	8.0	24	12	16
28	20	7.1	8.9	40	19	25	19	8.1	12	18	10	12
29	20	5.1	7.0	20	11	13	44	6.6	16	13	8.5	9.8
30	14	4.4	5.4	13	8.2	9.9	14	6.8	9.6	10	7.6	8.5
31	25	4.4	5.1	---	---	---	29	7.8	9.9	16	7.1	7.8
MAX	180	12	19	460	19	78	130	18	57	290	20	84
MIN	5.2	3.2	3.8	11	4.5	5.4	9.3	6.2	6.8	10	5.2	6.2

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0 CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12	6.5	7.8	26	5.9	9.2	---	---	---	---	---	---
2	86	6.9	8.8	61	6.2	7.5	---	---	---	---	---	---
3	58	14	28	9.7	5.7	7.0	---	---	---	---	---	---
4	16	9.1	11	9.7	5.5	7.0	---	---	---	---	---	---
5	11	7.2	8.6	9.9	5.6	7.3	---	---	---	---	---	---
6	270	7.3	92	20	6.8	9.2	---	---	---	---	---	---
7	81	18	27	16	5.8	7.1	---	---	---	---	---	---
8	20	13	15	12	5.1	7.0	---	---	---	---	---	---
9	16	10	11	14	5.7	7.5	---	---	---	---	---	---
10	14	8.8	10	14	7.8	10	---	---	---	---	---	---
11	11	8.0	8.8	14	6.3	8.0	---	---	---	---	---	---
12	210	8.7	75	13	5.5	6.7	---	---	---	---	---	---
13	38	14	20	9.8	5.4	6.5	---	---	---	---	---	---
14	42	14	27	13	5.4	6.5	---	---	---	---	---	---
15	40	17	24	17	5.8	6.8	---	---	---	---	---	---
16	26	12	15	17	5.7	7.2	---	---	---	---	---	---
17	15	11	13	16	5.8	7.0	---	---	---	---	---	---
18	16	9.3	11	---	---	---	---	---	---	---	---	---
19	17	8.1	9.5	---	---	---	---	---	---	---	---	---
20	150	8.0	10	---	---	---	---	---	---	---	---	---
21	16	8.1	9.4	---	---	---	---	---	---	---	---	---
22	20	7.3	9.3	---	---	---	---	---	---	---	---	---
23	35	8.0	9.4	---	---	---	---	---	---	---	---	---
24	20	8.0	10	---	---	---	---	---	---	---	---	---
25	18	8.9	11	---	---	---	---	---	---	---	---	---
26	82	12	26	---	---	---	---	---	---	---	---	---
27	75	9.6	28	---	---	---	---	---	---	---	---	---
28	67	8.2	44	---	---	---	---	---	---	---	---	---
29	47	7.8	26	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	270	18	92	---	---	---	---	---	---	---	---	---
MIN	11	6.5	7.8	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333944 LONGITUDE 0840503 NAD83 DRAINAGE AREA 8.0 CONTRIBUTING DRAINAGE AREA DATUM 760 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

ALTAMAHA RIVER BASIN
2003 Water Year

02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA

LOCATION.—Lat 33°39’44”, long 84°05’03” referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit Code 03070103, 0.5 mile north of Goddard Road, 4.3 miles south of Lithonia, 2.5 miles east of Arabia Mountain, and 3.5 miles west of Interstate 20.

DRAINAGE AREA.—8.0 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—January 16, 2003 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses of biological oxygen demand are by the U.S. Geological Survey, Ocala Water-Quality and Resource Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Missouri District Laboratory and the Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, percent of saturation (00301)
JAN													
16...	1315	--	80020	2.15	8.9	11	7.6	6.9	6.6	57	58	748	--
22...	1120	--	80020	2.42	16	26	17	6.5	7.3	63	66	746	83
FEB													
16...	1430	--	80020	3.61	111	170	120	6.2	7.2	34	35	741	96
APR													
03...	1205	--	80020	2.14	8.7	12	8.5	6.2	6.9	51	54	750	98
07...	0935	--	80020	2.65	25	65	38	6.7	7.6	45	50	745	93
25...	1000	--	80020	3.45	94	110	70	--	7.6	33	36	738	94
MAY													
22...	1315	--	80020	4.29	261	210	130	6.7	6.2	23	26	--	--
JUN													
16...	1220	--	80020	1.76	12	13	12	6.6	7.4	53	54	745	94
JUL													
09...	1000	--	80020	1.61	8.0	13	11	6.3	7.2	55	54	749	88
09...	1145	--	80020	1.61	8.0	13	11	6.3	--	55	--	750	93
JUL													
30-31	2115	0915	80020	--	--	90	51	7.0	7.4	62	54	--	--
AUG													
19-20	2300	0830	80020	--	--	120	89	7.1	6.7	67	55	--	--
SEP													
14-15	2215	0800	80020	--	--	69	50	7.1	6.0	56	56	--	--

02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA—continued.

Date	Dis-solved oxygen, mg/L (00300)	Temper-ature, water, deg C (00010)	Temper-ature, air, deg C (00020)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, fltrd, mg/L (71846)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Organic nitro-gen, water, unfltrd mg/L (00605)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, unfltrd mg/L (00600)
JAN													
16...	--	4.8	--	--	--	.18	.056	.07	.312	.12	<.007	.010	.49
22...	9.2	9.5	--	--	--	.47	.169	.22	.461	.31	<.007	.018	.94
FEB													
16...	10.9	8.7	7.4	--	--	.49	.047	.06	.185	.45	<.007	.097	.68
APR													
03...	9.5	16.3	21.2	--	--	.25	.040	.05	.232	.21	<.007	.018	.48
07...	8.8	16.7	17.5	--	--	.45	.084	.11	.249	.36	<.007	.057	.70
25...	9.1	15.2	17.0	--	--	.62	.052	.07	.191	.57	<.007	.102	.81
MAY													
22...	--	--	--	--	--	.68	.035	.05	.081	.65	<.007	.145	.76
JUN													
16...	7.7	24.0	27.0	--	--	.31	.078	.10	.157	.23	<.007	.020	.46
JUL													
09...	7.2	24.5	28.8	--	--	.28	.078	.10	.197	.20	<.007	.017	.47
09...	7.6	24.6	29.9	--	--	.32	.075	.10	.199	.24	<.007	.016	.52
JUL													
30-31	--	--	--	48	73	.57	.044	.06	.228	.52	<.007	.072	.79
AUG													
19-20	--	--	--	47	92d	.86	.104	.13	.359	.76	<.007	.119	1.2
SEP													
14-15	--	--	--	48	54	.72	.108	.14	.414	.62	<.007	.087	1.1

Date	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)	Hard-ness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Cadmium water, fltrd, ug/L (01025)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Sus-pended sedi-ment concen-tration mg/L (80154)
JAN													
16...	2.3	.7	--	.8	<.1	13	3.51	.968	--	<1.2	.18	3	--
22...	4.6	1.5	--	.8	<.1	12	3.58	.771	--	1.3	.10	6	--
FEB													
16...	5.4	1.7	--	.9	<.1	8	2.30	.484	--	E.9	.27	6	122
APR													
03...	4.1	1.3	--	E.3	<.1	12	3.42	.953	--	<1.2	E.08	2	8
07...	6.5	E2.6	--	--	--	11	3.22	.723	--	1.3	.23	5	28
25...	8.8	--	--	--	--	8	2.38	.494	--	E1.0	.27	5	136
MAY													
22...	9.6	1.9	--	.8	<.1	6	1.86	.423	--	E1.1n	.42	4	299
JUN													
16...	4.5	1.0	--	.4	<.1	15	4.17	.992	--	<1.2	.12	2	--
JUL													
09...	4.1	E.6	--	.9	<.1	15	4.13	1.04	--	E.8	.13	2	6
09...	3.8	E.6	--	--	--	--	--	--	--	--	--	--	--
JUL													
30-31	8.1	6.0	10	--	--	15	4.21	1.05	.04	<1.2	.09	9	209
AUG													
19-20	10.6	4.2	30	--	--	15	4.33	.935	<.04	E.6n	.11	3	225
SEP													
14-15	9.0	4.5	30	--	--	15	4.54	.939	<.04	1.4	.09	3	70

02204118 HONEY CREEK AT HURST ROAD, NEAR CONYERS, GA—continued.

Date	Sus-pended sedi-ment load, tons/d (80155)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sampler type, code (84164)	Sam-pling method, code (82398)
JAN				
16...	--	--	3044	10
22...	--	--	3044	10
FEB				
16...	37	72	3044	10
APR				
03...	.19	84	3044	10
07...	1.9	92	3044	10
25...	34	66	3052	10
MAY				
22...	211	45	3052	10
JUN				
16...	--	--	3044	10
JUL				
09...	.13	88	3044	10
09...	--	--	3044	10
JUL				
30-31	--	76	4115	25
AUG				
19-20	--	48	4115	25
SEP				
14-15	--	71	4115	25

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
c -- See laboratory comment
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
m -- Highly var comp using method, ? prec
n -- Below the NDV
o -- Result determined by alternate method
t -- Below the long-term MDL

ALTAMAHA RIVER BASIN
2003 Water Year

02204122 HONEY CREEK AT FLAT SHOALS ROAD, NEAR CONYERS, GA

LOCATION.—Lat 33°38'41", long 84°05'08" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103,

DRAINAGE AREA.—11.4 square miles, approximately.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.—June 2, 2003 (invertebrates) and June 22, 2003 (fishes).

REMARKS.—Data collection protocols used are from draft versions of the Standard Operating Procedures: Freshwater Macroinvertebrate Biological Assessment (Georgia Environmental Protection Division, 2002) and Standard Operating Procedures for Conducting Biomonitoring on Fish Communities in the Piedmont Ecoregion of Georgia (Georgia Department of Natural Resources, 2000). William Pennington and Associates of Cookeville, Tennessee identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 195 meters. Fish abbreviations: TL-total length in millimeters, SL-standard length in millimeters. Weight is measured in grams.

Invertebrates

Taxa	Abundance	
	Multi-habitat	Visual
MOLLUSCA		
Bivalvia		
Corbiculidae		
Corbicula fluminea	3	0
ARTHROPODA		
Crustacea		
Amphipoda		
Talitridae		
Hyalella azteca	2	0
Decapoda		
Cambaridae	1	0
Procambarus sp.	1	0
INSECTA		
Ephemeroptera		
Heptageniidae		
Stenonema modestum	13	7
Isonychiidae		
Isonychia sp.	1	0
Odonata		
Aeshnidae		
Boyeria vinosa	5	2
Coenagrionidae	1	0
Corduliidae		

02204122 HONEY CREEK AT FLAT SHOALS ROAD, NEAR CONYERS, GA —continued.

Taxa	Abundance Multi-habitat	Visual
Macromia sp.	1	0
Gomphidae	0	1
Hagenius brevistylus	0	1
Progomphus obscurus	1	0
Plecoptera		
Peltoperlidae		
Tallaperla sp.	1	0
Perlidae		
Perlesta placida sp. gp.	11	1
Megaloptera		
Sialidae		
Sialis sp.	2	0
Trichoptera		
Hydropsychidae		
Cheumatopsyche sp.	29	1
Hydropsyche betteni gp.	12	0
Coleoptera		
Elmidae		
Ancyronyx variegata	1	0
Diptera		
Chironomidae	2	0
Ablabesmyia mallochi	8	0
Brillia flavifrons	17	2
Conchapelopia sp.	8	0
Parametriocnemus sp.	1	0
Paratendipes sp.	1	0
Polypedilum flavum	20	2
Polypedilum illinoense	22	1
Rheotanytarsus sp.	4	0
Xylotopus par	1	0
Simuliidae		
Simulium sp.	24	0
CHORDATA		
Caudata	2	0

Fishes

Species	Common name	Count	TL	SL	Weight
Etheostoma inscriptum	turquoise darter	1	45	38	1.5
Etheostoma inscriptum	turquoise darter	1	47	40	1.5
Etheostoma inscriptum	turquoise darter	1	49	42	1.6
Etheostoma inscriptum	turquoise darter	1	52	45	1.8
Etheostoma inscriptum	turquoise darter	1	53	45	2.1
Etheostoma inscriptum	turquoise darter	1	56	47	2.7
Etheostoma inscriptum	turquoise darter	1	57	48	2.5
Etheostoma inscriptum	turquoise darter	1	63	54	3.2
Gambusia holbrooki	eastern mosquitofish	1	37	29	0.6
Lepomis auritus	redbreast sunfish	1	71	57	5.8
Lepomis auritus	redbreast sunfish	1	94	77	14.5

02204122 HONEY CREEK AT FLAT SHOALS ROAD, NEAR CONYERS, GA —continued.

Species	Common name	Count	TL	SL	Weight
Lepomis auritus	redbreast sunfish	1	105	84	21.0
Lepomis auritus	redbreast sunfish	1	109	86	23.0
Lepomis auritus	redbreast sunfish	1	113	81	28.0
Lepomis auritus	redbreast sunfish	1	115	93	29.0
Lepomis auritus	redbreast sunfish	1	123	98	25.7
Lepomis auritus	redbreast sunfish	1	128	102	35.0
Lepomis auritus	redbreast sunfish	1	138	113	49.0
Lepomis auritus	redbreast sunfish	1	152	123	61.7
Lepomis auritus	redbreast sunfish	1	154	124	76.0
Lepomis auritus	redbreast sunfish	1	156	125	75.0
Lepomis auritus	redbreast sunfish	1	170	131	93.0
Lepomis gulosus	warmouth	1	72	57	7.1
Lepomis macrochirus	bluegill sunfish	1	45	35	1.1
Lepomis macrochirus	bluegill sunfish	1	48	37	1.6
Lepomis macrochirus	bluegill sunfish	1	49	39	2.0
Lepomis macrochirus	bluegill sunfish	1	49	38	1.6
Lepomis macrochirus	bluegill sunfish	1	50	40	2.2
Lepomis macrochirus	bluegill sunfish	1	51	42	1.9
Lepomis macrochirus	bluegill sunfish	1	51	45	2.6
Lepomis macrochirus	bluegill sunfish	1	53	31	1.7
Lepomis macrochirus	bluegill sunfish	1	56	44	2.2
Lepomis macrochirus	bluegill sunfish	1	59	46	2.6
Lepomis macrochirus	bluegill sunfish	1	59	45	2.7
Lepomis macrochirus	bluegill sunfish	1	60	48	3.3
Lepomis macrochirus	bluegill sunfish	1	60	47	2.3
Lepomis macrochirus	bluegill sunfish	1	61	45	2.9
Lepomis macrochirus	bluegill sunfish	1	61	47	3.2
Lepomis macrochirus	bluegill sunfish	1	63	51	3.5
Lepomis macrochirus	bluegill sunfish	1	63	50	3.0
Lepomis macrochirus	bluegill sunfish	1	63	49	3.6
Lepomis macrochirus	bluegill sunfish	1	64	51	4.3
Lepomis macrochirus	bluegill sunfish	1	64	50	4.0
Lepomis macrochirus	bluegill sunfish	1	70	54	4.8
Lepomis macrochirus	bluegill sunfish	1	70	55	4.6
Lepomis macrochirus	bluegill sunfish	1	71	55	5.5
Lepomis macrochirus	bluegill sunfish	1	72	55	5.8
Lepomis macrochirus	bluegill sunfish	1	73	56	5.9
Lepomis macrochirus	bluegill sunfish	1	73	57	5.9
Lepomis macrochirus	bluegill sunfish	1	75	56	6.6
Lepomis macrochirus	bluegill sunfish	1	80	62	8.0
Lepomis macrochirus	bluegill sunfish	1	80	61	7.6
Lepomis macrochirus	bluegill sunfish	1	82	63	9.0
Lepomis macrochirus	bluegill sunfish	1	83	64	8.9
Lepomis macrochirus	bluegill sunfish	1	84	65	7.1
Lepomis macrochirus	bluegill sunfish	1	85	65	9.8
Lepomis macrochirus	bluegill sunfish	1	89	70	15.0
Lepomis macrochirus	bluegill sunfish	1	90	68	11.0
Lepomis macrochirus	bluegill sunfish	1	94	72	12.0
Lepomis macrochirus	bluegill sunfish	1	95	70	13.0
Lepomis macrochirus	bluegill sunfish	1	98	75	13.0
Lepomis macrochirus	bluegill sunfish	1	100	78	18.0
Lepomis macrochirus	bluegill sunfish	1	104	79	16.0

02204122 HONEY CREEK AT FLAT SHOALS ROAD, NEAR CONYERS, GA —continued.

Species	Common name	Count	TL	SL	Weight
Lepomis macrochirus	bluegill sunfish	1	116	88	24.0
Lepomis macrochirus	bluegill sunfish	1	125	98	36.0
Micropterus salmoides	largemouth bass	1	34	28	0.5
Micropterus salmoides	largemouth bass	1	85	70	7.8
Micropterus salmoides	largemouth bass	1	131	108	29.5
Micropterus salmoides	largemouth bass	1	132	109	28.8
Nocomis leptocephalus	bluehead chub	1	55	45	2.2
Nocomis leptocephalus	bluehead chub	1	59	48	2.5
Nocomis leptocephalus	bluehead chub	1	70	59	4.1
Nocomis leptocephalus	bluehead chub	1	70	59	3.5
Nocomis leptocephalus	bluehead chub	1	71	59	4.1
Nocomis leptocephalus	bluehead chub	1	83	70	7.2
Nocomis leptocephalus	bluehead chub	1	93	78	9.9
Nocomis leptocephalus	bluehead chub	1	93	78	9.1
Nocomis leptocephalus	bluehead chub	1	98	82	10.0
Nocomis leptocephalus	bluehead chub	1	112	96	18.0
Nocomis leptocephalus	bluehead chub	1	112	95	17.0
Nocomis leptocephalus	bluehead chub	1	114	98	19.0
Nocomis leptocephalus	bluehead chub	1	124	105	22.8
Nocomis leptocephalus	bluehead chub	1	127	117	32.0
Nocomis leptocephalus	bluehead chub	1	129	109	26.0
Nocomis leptocephalus	bluehead chub	1	130	110	29.0
Nocomis leptocephalus	bluehead chub	1	131	111	26.0
Nocomis leptocephalus	bluehead chub	1	132	110	26.0
Nocomis leptocephalus	bluehead chub	1	133	110	33.0
Nocomis leptocephalus	bluehead chub	1	133	109	29.0
Nocomis leptocephalus	bluehead chub	1	137	116	32.0
Nocomis leptocephalus	bluehead chub	1	150	126	46.0
Nocomis leptocephalus	bluehead chub	1	159	134	55.0
Nocomis leptocephalus	bluehead chub	1	174	149	53.0
Nocomis leptocephalus	bluehead chub	1	210	183	116.6
Nocomis leptocephalus	bluehead chub	1	212	181	106.0
Notropis longirostris	longnose shiner	1	47	38	0.9
Notropis longirostris	longnose shiner	1	52	43	1.4
Notropis longirostris	longnose shiner	1	56	47	1.8
Notropis longirostris	longnose shiner	1	58	49	2.2
Notropis lutipinnis	yellowfin shiner	1	40	33	0.8
Notropis lutipinnis	yellowfin shiner	1	53	43	1.9
Notropis lutipinnis	yellowfin shiner	1	55	45	2.2
Notropis lutipinnis	yellowfin shiner	1	56	46	1.8
Notropis lutipinnis	yellowfin shiner	1	56	45	2.0
Notropis lutipinnis	yellowfin shiner	1	56	46	2.1
Notropis lutipinnis	yellowfin shiner	1	56	45	2.1
Notropis lutipinnis	yellowfin shiner	1	57	48	2.2
Notropis lutipinnis	yellowfin shiner	1	59	47	2.7
Notropis lutipinnis	yellowfin shiner	1	61	52	2.3
Notropis lutipinnis	yellowfin shiner	1	64	51	2.8
Notropis lutipinnis	yellowfin shiner	1	66	54	3.1
Notropis lutipinnis	yellowfin shiner	1	68	55	3.6
Notropis lutipinnis	yellowfin shiner	1	69	57	3.6
Notropis lutipinnis	yellowfin shiner	1	71	60	3.8
Notropis lutipinnis	yellowfin shiner	1	72	60	4.5

02204122 HONEY CREEK AT FLAT SHOALS ROAD, NEAR CONYERS, GA —continued.

Species	Common name	Count	TL	SL	Weight
Notropis lutipinnis	yellowfin shiner	1	73	60	4.6
Notropis lutipinnis	yellowfin shiner	1	76	63	5.3
Notropis lutipinnis	yellowfin shiner	1	78	65	4.6
Notropis lutipinnis	yellowfin shiner	1	78	64	5.7
Notropis lutipinnis	yellowfin shiner	1	78	64	6.1
Notropis lutipinnis	yellowfin shiner	1	78	66	4.9
Notropis lutipinnis	yellowfin shiner	1	80	67	6.0
Notropis lutipinnis	yellowfin shiner	1	81	60	7.4
Notropis lutipinnis	yellowfin shiner	1	84	68	6.2
Scartomyzon rupiscartes	striped jumprock	1	194	168	76.6

02204127 HONEY CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA

LOCATION.—Lat 33°35'45", long 84°03'39" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103,

DRAINAGE AREA.—18.6 square miles, approximately.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.—June 2, 2003 (invertebrates) and July 23, 2003 (fishes).

REMARKS.—Data collection protocols used are from draft versions of the Standard Operating Procedures: Freshwater Macroinvertebrate Biological Assessment (Georgia Environmental Protection Division, 2002) and Standard Operating Procedures for Conducting Biomonitoring on Fish Communities in the Piedmont Ecoregion of Georgia (Georgia Department of Natural Resources, 2000). William Pennington and Associates of Cookeville, Tennessee identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 273 meters. Fish abbreviations: TL-total length in millimeters, SL-standard length in millimeters. Weight is measured in grams.

Invertebrates

Taxa	Abundance	
	Multi-habitat	Visual
MOLLUSCA		
Bivalvia		
Corbiculidae		
Corbicula fluminea	45	5
ANNELIDA		
Oligochaeta		
Haplotaxida		
Lumbricidae	0	2
INSECTA		
Ephemeroptera		
Baetidae	5	2
Heptageniidae		
Stenonema modestum	38	8
Odonata		
Aeshnidae		
Boyeria vinosa	1	0
Plecoptera		
Perlidae		
Neoperla sp.	1	1
Perlesta placida sp. gp.	38	17
Hemiptera		
Gerridae	0	1
Veliidae		

02204127 HONEY CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA —continued.

Taxa	Abundance Multi-habitat	Visual
Microvelia sp.	0	2
Megaloptera		
Corydalidae		
Nigronia serricornis	0	1
Sialidae		
Sialis sp.	0	1
Trichoptera		
Hydropsychidae		
Cheumatopsyche sp.	19	22
Diplectrona modesta	1	0
Hydropsyche sp.	1	2
Hydropsyche betteni gp.	0	1
Coleoptera		
Elmidae		
Ancyronyx variegata	1	0
Macronychus glabratus	1	0
Hydrophilidae	5	0
Sperchopsis sp.	1	0
Psephenidae	1	0
Diptera		
Chironomidae	5	2
Brillia flavifrons	3	6
Microtendipes pedellus gp.	0	3
Parametriocnemus sp.	0	1
Paratendipes sp.	3	1
Phaenopsectra sp.	3	1
Polypedilum flavum	5	10
Polypedilum illinoense	225	33
Rheotanytarsus sp.	0	2
Xylotopus par	3	0
Simuliidae		
Simulium sp.	2	16

Fishes

Species	Common name	Count	TL	SL	Weight
Ameiurus natalis	yellow bullhead	1	122	104	23.0
Ameiurus nebulosus	brown bullhead	1	280	230	226.8
Dorosoma cepedianum	gizzard shad	1	44	36	0.8
Etheostoma inscriptum	turquoise darter	1	53	45	1.8
Hybopsis rubrifrons	rosyface chub	1	57	46	1.5
Hybopsis rubrifrons	rosyface chub	1	74	60	3.5
Hybopsis rubrifrons	rosyface chub	1	91	75	7.5
Hybopsis rubrifrons	rosyface chub	1	92	75	7.9
Hybopsis rubrifrons	rosyface chub	1	94	79	7.8
Lepomis auritus	redbreast sunfish	1	77	61	6.0
Lepomis auritus	redbreast sunfish	1	89	72	6.3
Lepomis auritus	redbreast sunfish	1	98	78	8.0
Lepomis auritus	redbreast sunfish	1	111	90	13.0

02204127 HONEY CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA —continued.

Species	Common name	Count	TL	SL	Weight
Lepomis auritus	redbreast sunfish	1	112	84	12.0
Lepomis auritus	redbreast sunfish	1	122	98	26.0
Lepomis auritus	redbreast sunfish	1	127	104	18.0
Lepomis auritus	redbreast sunfish	1	129	105	28.0
Lepomis auritus	redbreast sunfish	1	129	101	28.0
Lepomis auritus	redbreast sunfish	1	140	114	27.0
Lepomis auritus	redbreast sunfish	1	147	117	32.0
Lepomis auritus	redbreast sunfish	1	149	119	31.0
Lepomis auritus	redbreast sunfish	1	152	120	33.0
Lepomis auritus	redbreast sunfish	1	184	148	120.0
Lepomis auritus	redbreast sunfish	1	187	146	90.0
Lepomis cyanellus	green sunfish	1	105	93	11.5
Lepomis cyanellus	green sunfish	1	137	112	23.0
Lepomis macrochirus	bluegill sunfish	1	39	31	0.9
Lepomis macrochirus	bluegill sunfish	1	45	35	1.1
Lepomis macrochirus	bluegill sunfish	1	46	38	1.5
Lepomis macrochirus	bluegill sunfish	1	51	40	2.0
Lepomis macrochirus	bluegill sunfish	1	52	41	2.1
Lepomis macrochirus	bluegill sunfish	1	52	40	0.9
Lepomis macrochirus	bluegill sunfish	1	53	40	1.1
Lepomis macrochirus	bluegill sunfish	1	53	41	1.2
Lepomis macrochirus	bluegill sunfish	1	57	45	1.5
Lepomis macrochirus	bluegill sunfish	1	58	47	2.8
Lepomis macrochirus	bluegill sunfish	1	60	46	1.5
Lepomis macrochirus	bluegill sunfish	1	62	52	1.8
Lepomis macrochirus	bluegill sunfish	1	64	49	2.1
Lepomis macrochirus	bluegill sunfish	1	70	55	4.6
Lepomis macrochirus	bluegill sunfish	1	72	55	4.0
Lepomis macrochirus	bluegill sunfish	1	76	58	3.0
Lepomis macrochirus	bluegill sunfish	1	78	59	3.9
Lepomis macrochirus	bluegill sunfish	1	78	56	3.2
Lepomis macrochirus	bluegill sunfish	1	79	62	3.7
Lepomis macrochirus	bluegill sunfish	1	80	60	4.0
Lepomis macrochirus	bluegill sunfish	1	81	63	4.2
Lepomis macrochirus	bluegill sunfish	1	83	66	4.3
Lepomis macrochirus	bluegill sunfish	1	83	64	4.7
Lepomis macrochirus	bluegill sunfish	1	87	68	5.4
Lepomis macrochirus	bluegill sunfish	1	88	69	6.0
Lepomis macrochirus	bluegill sunfish	1	89	68	5.2
Lepomis macrochirus	bluegill sunfish	1	91	69	5.7
Lepomis macrochirus	bluegill sunfish	1	95	73	6.7
Lepomis macrochirus	bluegill sunfish	1	98	76	6.8
Lepomis macrochirus	bluegill sunfish	1	100	78	6.8
Lepomis macrochirus	bluegill sunfish	1	101	81	8.9
Lepomis macrochirus	bluegill sunfish	1	102	78	8.6
Lepomis macrochirus	bluegill sunfish	1	103	80	12.1
Lepomis macrochirus	bluegill sunfish	1	103	80	10.0
Lepomis macrochirus	bluegill sunfish	1	106	80	10.0
Lepomis macrochirus	bluegill sunfish	1	110	82	9.6
Lepomis macrochirus	bluegill sunfish	1	112	82	10.9
Lepomis macrochirus	bluegill sunfish	1	114	87	10.2
Lepomis macrochirus	bluegill sunfish	1	115	86	11.6

02204127 HONEY CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA —continued.

Species	Common name	Count	TL	SL	Weight
Lepomis macrochirus	bluegill sunfish	1	116	92	13.6
Lepomis macrochirus	bluegill sunfish	1	121	94	11.8
Lepomis macrochirus	bluegill sunfish	1	128	100	17.1
Lepomis macrochirus	bluegill sunfish	1	131	113	20.4
Lepomis macrochirus	bluegill sunfish	1	132	106	23.0
Lepomis macrochirus	bluegill sunfish	1	140	109	51.3
Lepomis macrochirus	bluegill sunfish	1	142	109	25.0
Lepomis macrochirus	bluegill sunfish	1	142	110	NA
Lepomis microlophus	redear sunfish	1	99	82	8.0
Lepomis microlophus	redear sunfish	1	158	127	34.0
Lepomis microlophus	redear sunfish	1	220	170	196.0
Micropterus salmoides	largemouth bass	1	38	31	0.7
Micropterus salmoides	largemouth bass	1	102	83	12.5
Micropterus salmoides	largemouth bass	1	103	85	12.5
Micropterus salmoides	largemouth bass	1	126	105	18.7
Micropterus salmoides	largemouth bass	1	156	127	56.0
Micropterus salmoides	largemouth bass	1	180	148	84.2
Micropterus salmoides	largemouth bass	1	278	233	28.0
Nocomis leptocephalus	bluehead chub	1	70	58	3.6
Nocomis leptocephalus	bluehead chub	1	85	68	2.3
Nocomis leptocephalus	bluehead chub	1	85	70	2.3
Nocomis leptocephalus	bluehead chub	1	90	71	4.8
Nocomis leptocephalus	bluehead chub	1	92	74	4.1
Nocomis leptocephalus	bluehead chub	1	109	89	8.7
Nocomis leptocephalus	bluehead chub	1	114	95	12.0
Nocomis leptocephalus	bluehead chub	1	115	104	9.5
Nocomis leptocephalus	bluehead chub	1	120	99	10.0
Nocomis leptocephalus	bluehead chub	1	124	102	10.0
Nocomis leptocephalus	bluehead chub	1	124	102	12.0
Nocomis leptocephalus	bluehead chub	1	134	112	110.0
Nocomis leptocephalus	bluehead chub	1	152	122	28.0
Notropis longirostris	longnose shiner	1	40	32	0.5
Notropis longirostris	longnose shiner	1	59	50	2.1
Notropis lutipinnis	yellowfin shiner	1	62	52	2.3
Notropis lutipinnis	yellowfin shiner	1	62	52	2.3
Notropis lutipinnis	yellowfin shiner	1	63	50	2.3
Notropis lutipinnis	yellowfin shiner	1	69	58	3.7
Notropis lutipinnis	yellowfin shiner	1	69	57	3.9
Notropis lutipinnis	yellowfin shiner	1	80	62	5.6
Noturus insignis	margined madtom	1	106	92	14.4
Noturus insignis	margined madtom	1	107	91	15.8
Percina nigrofasciata	blackbanded darter	1	61	52	2.0
Percina nigrofasciata	blackbanded darter	1	64	55	2.3
Percina nigrofasciata	blackbanded darter	1	73	63	3.6
Percina nigrofasciata	blackbanded darter	1	76	67	4.2
Percina nigrofasciata	blackbanded darter	1	78	69	5.0
Percina nigrofasciata	blackbanded darter	1	80	70	5.4

ALTAMAHA RIVER BASIN
2003 Water Year

02204129 MCCLANE CREEK DOWNSTREAM OF TROUPE SMITH ROAD, NEAR CONYERS, GA

LOCATION.—Lat 33°34'45", long 84°02'45" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit Code 03070103, 1000 feet downstream of culvert on Troupe Smith Road, 1.0 miles upstream of Honey Creek, 0.7 miles north of GA 212.

DRAINAGE AREA.—3.4 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—November 19, 2002 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses of biological oxygen demand are by the U.S. Geological Survey, Ocala Water-Quality and Resource Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, percent of saturation (00301)	Dissolved oxygen, mg/L (00300)
NOV													
19...	1330	80020	1.16	2.7	13	12	6.6	7.3	73	114	754	95	10.1
DEC													
09...	1150	80020	1.09	2.1	9.6	9.2	7.0	7.0	159	124	756	97	11.3
JAN													
06...	1240	80020	1.10	2.2	12	--	6.5	--	127	--	751	100	11.7
22...	1140	80020	1.14	2.7	17	21	6.8	7.3	109	106	742	--	--
FEB													
11...	1105	80020	1.14	2.7	20	--	6.6	--	66	--	751	92	11.0
MAR													
07...	1320	80020	1.76	33	120	79	6.0	7.2	50	57	743	97	9.9
11...	1410	80020	1.06	7.8	21	--	6.2	--	64	--	750	102	10.1
17...	1250	80020	1.40	20	130	82	6.2	7.2	62	56	739	102	10.3
APR													
10...	1050	80020	1.06	7.8	19	--	6.3	--	59	--	740	94	10.0
MAY													
14...	1230	80020	.96	4.8	18	18	6.7	7.1	126	96	748	98	9.2
JUN													
11...	1225	80020	.85	2.5	17	11	6.9	6.8	95	91	747	93	8.0
JUL													
01...	1325	80020	3.62	91	520	330	6.3	7.1	36	39	744	89	7.6
15...	0830	80020	.88	3.5	19	14	6.8	7.3	128	98	748	125	10.8
AUG													
14...	1230	80020	.88	3.7	14	--	6.8	--	160	--	755	98	8.2
SEP													
08...	1130	80020	.96	4.9	11	9.2	7.0	7.6	121	E116	748	85	7.5

02204129 MCCLANE CREEK DOWNSTREAM OF TROUPE SMITH ROAD, NEAR CONYERS, GA—continued.

Date	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, fltrd, mg/L (71846)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)
NOV													
19...	11.9	--	1.4	1.30	1.67	.641	.12	1.06	.347	.42	2.1	--	--
DEC													
09...	8.5	--	2.6	2.11	2.72	.627	.51	1.28	.419	.54	3.2	5.0	1.2
JAN													
06...	7.9	--	--	--	--	--	--	--	--	--	--	--	--
22...	9.5	--	.93	.515	.66	1.99	.42	1.02	.333	.40	2.9	4.9	1.8
FEB													
11...	7.0	8.1	--	--	--	--	--	--	--	--	--	--	--
MAR													
07...	13.5	20.0	.63	.091	.12	.512	.54	.089	.029	.169	1.1	7.9	--
11...	14.9	19.7	--	--	--	--	--	--	--	--	--	--	--
17...	13.6	13.3	.87	.151	.19	.488	.72	.193	.063	.20	1.4	8.9	1.6
APR													
10...	11.5	7.0	--	--	--	--	--	--	--	--	--	--	--
MAY													
14...	17.7	18.4	.65	.274	.35	1.50	.38	.748	.244	.33	2.2	E4.4	1.7
JUN													
11...	22.0	27.3	.59	.270	.35	1.08	.32	.696	.227	.26	1.7	3.7	1.2
JUL													
01...	22.0	20.5	1.3	.058	.07	.259	1.3	.061	.020	.48	1.6	18.3	3.4
15...	21.8	23.5	.65	.270	.35	1.59	.38	.898	.293	.36	2.2	4.0	1.4
AUG													
14...	23.6	26.0	--	--	--	--	--	--	--	--	--	--	--
SEP													
08...	20.5	23.1	.86	.336d	.43	.522	.53	1.03	.335d	.42oc	1.4	3.7	1.3

Date	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Chlorophyll b phytoplankton, fluoro, ug/L (70954)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	1,2-Diphenylhydrazine, water, unfltrd ug/L (82626)	246-Tribromophenol, sur Sch 1383/85 wat unf pct rcv (90652)
NOV													
19...	--	--	22	5.81	1.91	E1.1	.10	9	--	--	--	<1	81.7
DEC													
09...	E.8	<.1	22	5.67	1.82	1.2	.10	8	--	--	--	<1	88.1
JAN													
06...	--	--	--	--	--	--	--	--	--	--	--	<1	52.0
22...	2.7	<.1	19	5.22	1.50	1.3	.19	11	--	--	--	--	--
FEB													
11...	--	--	--	--	--	--	--	--	--	--	--	<1	89.9
MAR													
07...	5.6	<.1	14	3.66	1.20	E.9	.13	7	98	8.7	72	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	<1	84.5
17...	--	--	13	3.31	1.21	E1.0	.16	7	217	12	88	--	--
APR													
10...	--	--	--	--	--	--	--	--	--	--	--	<1	85.7
MAY													
14...	E3.1	<.1	22	5.86	1.70	1.3	.11	7	23	.30	94	<1	79.7
JUN													
11...	.5	<.1	20	5.28	1.67	E1.1	.08	5	5	.03	93	--	--
JUL													
01...	2.5	.6	10	2.65	.891	2.2	.17	4	8460	2080	55	--	--
15...	--	--	24	6.47	1.82	E1.1n	.08	8	14	.13	68	<1	54.0
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	<1c	.0c
SEP													
08...	E2.3	E.4	26	7.25	1.98	1.0	<.08	6	9	.12	91	<1	95.6

02204129 MCCLANE CREEK DOWNSTREAM OF TROUPE SMITH ROAD, NEAR CONYERS, GA—continued.

Date	2,4,6-Trichlorophenol, water, unfltrd ug/L (34621)	2,4-Dichlorophenol, water, unfltrd ug/L (34601)	2,4-Dimethylphenol, water, unfltrd ug/L (34606)	2,4-Dinitrophenol, water, unfltrd ug/L (34616)	2,4-Dinitrotoluene water unfltrd ug/L (34611)	2,6-Dinitrotoluene water unfltrd ug/L (34626)	2-Chloronaphthalene, water, unfltrd ug/L (34581)	2-chlorophenol, water, unfltrd ug/L (34586)	2-Methyl-4,6-dinitrophenol, wat unf ug/L (34657)	2-nitrophenol, water unfltrd ug/L (34591)	3,3'-Dichlorobenzidine, water, unfltrd ug/L (34631)	4-Bromophenyl phenyl ether, wat unf ug/L (34636)	4-Chloro-3-methylphenol, wat unf ug/L (34452)
NOV													
19...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
DEC													
09...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
JAN													
06...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	M	M	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
MAR													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	M	M	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
10...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
MAY													
14...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
JUN													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2mc	<1	<.9mc	<2	<3
AUG													
14...	<3c	<2c	<2.0c	<3c	<3c	<2c	<2c	<2c	<2mc	<1c	<.9mc	<2c	<3c
SEP													
08...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2mc	<1	<.9mc	<2	<3

Date	4-Chlorophenyl phenyl ether, wat unf ug/L (34641)	4-Nitrophenol, water, unfltrd ug/L (34646)	9H-Fluorene, water, unfltrd ug/L (34381)	Acenaphthene, water, unfltrd ug/L (34205)	Acenaphthylene, water, unfltrd ug/L (34200)	Aldrin, water, unfltrd ug/L (39330)	alpha-Endosulfan, water, unfltrd ug/L (39388)	alpha-HCH-d6, surrog, Sch1398 water, unfltrd pct rcv (99777)	Anthracene, water, unfltrd ug/L (34220)	Benzidine, water, unfltrd ug/L (39120)	Benzo[a]anthracene, water, unfltrd ug/L (34526)	Benzo[a]pyrene, water, unfltrd ug/L (34247)	Benzo[b]fluoranthene water unfltrd ug/L (34230)
NOV													
19...	<2	<4	<2	<2	<2	--	--	--	<2	<1000	<2	<1	<2
DEC													
09...	<2	<4	<2	<2	<2	<.002	<.002	48.6	<2	<1000	<2	<1	<2
JAN													
06...	<2	<4	<2	<2	<2	<.002	<.002	77.2	<2	<1000	<2	<1	<2
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<2	<4	<2	<2	<2	<.002	<.002	71.1	<2	<1000	<2	<1	<2
MAR													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<2	<4	<2	<2	<2	<.002	<.002	68.7	<2	<1000	<2	<1	<2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
10...	<2	<4	<2	<2	<2	<.002	<.002	62.0	<2	<1000	<2	<1	<2
MAY													
14...	<2	<4	<2	<2	<2	<.002	<.002	41.4	<2	<1000	<2	<1	<2
JUN													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<2	<4mc	<2	<2	<2	<.002	<.002	42.0	<2	<1000mc	<2	<1	<2
AUG													
14...	<2c	<4mc	<2c	<2c	<2c	<.002	<.002	46.4	<2c	<1000mc	<2c	<1c	<2c
SEP													
08...	<2	<4mc	<2	<2	<2	--	--	--	<2	<1000mc	<2	<1	<2

02204129 MCCLANE CREEK DOWNSTREAM OF TROUPE SMITH ROAD, NEAR CONYERS, GA—continued.

Date	Benzo-[g,h,i]-perylene, water, unfltrd ug/L (34521)	Benzo-[k]-fluoranthene water unfltrd ug/L (34242)	Benzyl n-butyl phthalate, water, unfltrd ug/L (34292)	Bis(2-chloroethoxy) methane water unfltrd ug/L (34278)	Bis(2-chloroethyl) ether, water, unfltrd ug/L (34273)	Bis(2-chloroisopropyl) ether, wat unf ug/L (34283)	Bis(2-ethylhexyl) phthalate, wat unf ug/L (39100)	Chlordane, technical, water, unfltrd ug/L (39350)	Chrysene, water, unfltrd ug/L (34320)	Dibenzo-[a,h]-anthracene, wat unf ug/L (34556)	Dieldrin, water, unfltrd ug/L (39380)	Diethyl phthalate, water, unfltrd ug/L (34336)	Dimethyl phthalate, water, unfltrd ug/L (34341)
NOV													
19...	<2	<1	<2	<3	<2	<2	<2	--	<3	<1	--	<2	<1
DEC													
09...	<2	<1	<2	<3	<2	<2	<4	<.1	<3	<1	<.002	<2	<1
JAN													
06...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
MAR													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
10...	<2	<1	<2	<3	<2	<2	E4	<.1	<3	<1	<.002	<2	<1
MAY													
14...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
JUN													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
AUG													
14...	<2c	<1c	<2c	<3c	<2c	<2c	<2c	<.1	<3c	<1c	<.002	<2c	<1c
SEP													
08...	<2	<1	<2	<3	<2	<2	<2	--	<3	<1	--	<2	<1

Date	Di-n-butyl phthalate, water, unfltrd ug/L (39110)	Di-n-octyl phthalate, water, unfltrd ug/L (34596)	Endrin, water, unfltrd ug/L (39390)	Fluoranthene water unfltrd ug/L (34376)	Heptachlor epoxide water unfltrd ug/L (39420)	Heptachlor, water, unfltrd ug/L (39410)	Hexachlorobenzene water unfltrd ug/L (39700)	Hexachlorocyclopentadiene, wat unf ug/L (34386)	Indeno-[1,2,3-cd]-pyrene, water, unfltrd ug/L (34403)	Isodrin surrog, Sch1398 wat unf percent recovry (90571)	Isophorone water unfltrd ug/L (34408)	Lindane water, unfltrd ug/L (39340)	Mirex, water, unfltrd ug/L (39755)
NOV													
19...	<2	<2	--	<2	--	--	<2	<1	<3	--	<2	--	--
DEC													
09...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	47.4	<2	<.0020	<.002
JAN													
06...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	77.0	<2	<.0020	<.002
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	75.5	M	<.0020	<.002
MAR													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	69.6	M	<.0020	<.002
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
10...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	48.8	<2	<.0020	<.002
MAY													
14...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	79.8	M	<.0020	<.002
JUN													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<2	<2	<.002	<2	<.003	<.002	<2	<1mc	<3	65.3	<2	<.0020	<.002
AUG													
14...	<2c	<2c	<.002	<2c	<.003	<.002	<2c	<1mc	<3c	73.0	<2c	<.0020	<.002
SEP													
08...	<2	<2	--	<2	--	--	<2	<1mc	<3	--	<2	--	--

02204129 MCCLANE CREEK DOWNSTREAM OF TROUPE SMITH ROAD, NEAR CONYERS, GA—continued.

Date	Nitro-benzene water unfltrd ug/L (34447)	N-NItroso-di-methyl-amine, wat unf ug/L (34438)	N-NItroso-di-n-propyl-amine, wat unf ug/L (34428)	N-NItroso-di-phenyl-amine, wat unf ug/L (34433)	p,p'-DDD, water, unfltrd ug/L (39360)	p,p'-DDE, water, unfltrd ug/L (39365)	p,p'-DDT, water, unfltrd ug/L (39370)	p,p'-Meth-oxy-chlor, water, unfltrd ug/L (39480)	PCB 207, surrog, Sch1398 water, unfltrd pct rcv (99780)	PCBs, water, unfltrd ug/L (39516)	Penta-chloro-phenol, water, unfltrd ug/L (39032)	Phenan-threne, water, unfltrd ug/L (34461)	Phenol, water, unfltrd ug/L (34694)
NOV													
19...	<1	<3	<2	<2	--	--	--	--	--	--	<2	<2	<3.0
DEC													
09...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	45.0	<.1	<2	<2	<3.0
JAN													
06...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	83.4	<.1	<2	<2	<3.0
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	77.4	<.1	<2	<2	E.2
MAR													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	74.4	<.1	<2	<2	E.3
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
10...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	60.7	<.1	<2	<2	E.3
MAY													
14...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	76.5	<.1	<2	<2	E.3
JUN													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<1	<3	<2	<2mc	<.002	<.002	<.002	<.003	68.1	<.1	<2mc	<2	E.4t
AUG													
14...	<1c	<3c	<2c	<2mc	<.002	<.002	<.002	<.003	71.7	<.1	<2mc	<2c	<3.4c
SEP													
08...	<1	<3	<2	<2mc	--	--	--	--	--	--	<2mc	<2	<3.4

Date	Phenol-d5, surrog, Sched. 1383/85 wat unf pct rcv (90630)	Pyrene, water, unfltrd ug/L (34469)	Toxa-phene, water, unfltrd ug/L (39400)	Xylenes water unfltrd ug/L (81551)	1,1,1,2-Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)
NOV													
19...	59.6	<2	--	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
DEC													
09...	75.3	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
JAN													
06...	34.3	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	57.5	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
MAR													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	40.7	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
10...	69.8	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
MAY													
14...	63.2	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
JUN													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	38.5	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
AUG													
14...	.0c	<2c	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
SEP													
08...	54.9	<2	--	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2

02204129 MCCLANE CREEK DOWNSTREAM OF TROUPE SMITH ROAD, NEAR CONYERS, GA—continued.

Date	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloroethane-d4, sur Sch2090 wat unf pct rcv (99832)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)
NOV													
19...	<.2	<.2	<.2	<1	<.2	<.2	<.2	114	<.2	<.2	<.2	<.2	<.2
DEC													
09...	<.2	<.2	<.2	<1	<.2	<.2	<.2	118	<.2	<.2	<.2	<.2	<.2
JAN													
06...	<.2	<.2	<.2	<1	<.2	<.2	<.2	113	<.2	<.2	<.2	<.2	<.2
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<.2	<.2	<.2	<1	<.2	<.2	<.2	101	<.2	<.2	<.2	<.2	<.2
MAR													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<.2	<.2	<.2	<1	<.2	<.2	<.2	96.4	<.2	<.2	<.2	<.2	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
10...	<.2	<.2	<.2	<1	<.2	<.2	<.2	109	<.2	<.2	<.2	<.2	<.2
MAY													
14...	<.2	<.2	<.2	<1	<.2	<.2	<.2	103	<.2	<.2	<.2	<.2	<.2
JUN													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<.2	<.2	<.2	<1	<.2	<.2	<.2	115	<.2	<.2	<.2	<.2	<.2
AUG													
14...	<.2	<.2	<.2	<1	<.2	<.2	<.2	128	<.2	<.2	<.2	<.2	<.2
SEP													
08...	<.2	<.2	<.2	<1	<.2	<.2	<.2	101	<.2	<.2	<.2	<.2	<.2

Date	14Bromofluorobenzene surrog. VOC Sch wat unf pct rcv (99834)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromomethane water unfltrd ug/L (34413)	Chlorobenzene water unfltrd ug/L (34301)	Chloroethane, water, unfltrd ug/L (34311)
NOV													
19...	85.9	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
DEC													
09...	91.9	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
JAN													
06...	100	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	86.8	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
MAR													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	72.0	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
10...	68.8	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
MAY													
14...	85.0	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
JUN													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	93.9	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
AUG													
14...	77.7	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
SEP													
08...	82.1	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	.1	<.3	<.2	<.2

02204129 MCCLANE CREEK DOWNSTREAM OF TROUPE SMITH ROAD, NEAR CONYERS, GA—continued.

Date	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iso-propyl-benzene water unfltrd ug/L (77223)	Naphth-alene, water, unfltrd ug/L (34696)	n-Butyl benzene water unfltrd ug/L (77342)
NOV													
19...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
DEC													
09...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
JAN													
06...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
MAR													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
10...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
MAY													
14...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
JUN													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2mc	<.2	<.5	<.2
AUG													
14...	<.2mc	<.2	<.2	<.2	<.2	<.2mc	<.2	<.2	<.2	<2mc	<.2	<.5	<.2
SEP													
08...	<.2mc	<.2	<.2	<.2	<.2	<.2mc	<.2	<.2	<.2	<2mc	<.2	<.5	<.2

Date	n-propyl-benzene water unfltrd ug/L (77224)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Toluene water unfltrd ug/L (34010)	Toluene -d8, surrog, Sch2090 wat unf percent recovry (99833)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)
NOV													
19...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	85.5	<.2	<.2	<.2	<.2
DEC													
09...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	86.1	<.2	<.2	<.2	<.2
JAN													
06...	<.2	<.2	<.2	E.1	<.2	<.2	<.2	.7	89.9	<.2	<.2	<.2	<.2
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	.2	99.6	<.2	<.2	<.2	<.2
MAR													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	96.4	<.2	<.2	<.2	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
10...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	99.2	<.2	<.2	<.2	<.2
MAY													
14...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	94.2	<.2	<.2	<.2	<.2
JUN													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	97.1	<.2	<.2	<.2	<.2
AUG													
14...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	98.2	<.2	<.2	<.2	<.2
SEP													
08...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	98.8	<.2	<.2	<.2	<.2

02204129 MCCLANE CREEK DOWNSTREAM OF TROUPE SMITH ROAD, NEAR CONYERS, GA—continued.

Date	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	2Fluoro -bi- phenyl, surrog, bed sed <2 mm, pct rcv (49279)	Nitro-benzene -d5, surrog, bed sed <2 mm, pct rcv (49280)	Ter-phenyl-d14, surrog, bed sed <2 mm, pct rcv (49278)	Sampler type, code (84164)	Sam-pling method, code (82398)
NOV								
19...	<.2	<.2	<.2	84	88	37	3044	10
DEC								
09...	<.2	.1	<.2	89	97	37	3044	10
JAN								
06...	<.2	.3	<.2	75	81	20	3070	30
22...	--	--	--	--	--	--	3044	10
FEB								
11...	<.2	<.2	<.2	86	87	27	3070	30
MAR								
07...	--	--	--	--	--	--	3044	10
11...	<.2	<.2	<.2	84	88	24	3070	30
17...	--	--	--	--	--	--	3044	10
APR								
10...	<.2	<.2	<.2	84	88	44	8010	30
MAY								
14...	<.2	.2	<.2	82	85	24	3044	10
JUN								
11...	--	--	--	--	--	--	3044	10
JUL								
01...	--	--	--	--	--	--	3044	10
15...	<.2	<.2	<.2	80	86	44	3044	10
AUG								
14...	<.2	.4	<.2	.0c	.0c	.0c	3070	30
SEP								
08...	<.2	.7	<.2	91	94	51	3070	10

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

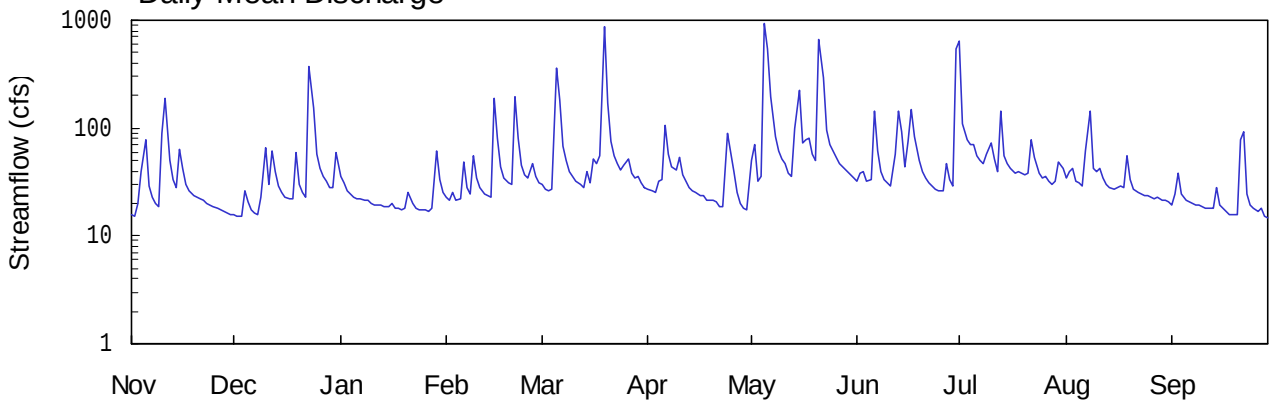
Value qualifier codes used in this report:
   c -- See laboratory comment
   d -- Diluted sample: method hi range exceeded
   k -- Counts outside acceptable range
   m -- Highly var comp using method, ? prec
   n -- Below the NDV
   o -- Result determined by alternate method
   t -- Below the long-term MDL

2003 Water Year

02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA

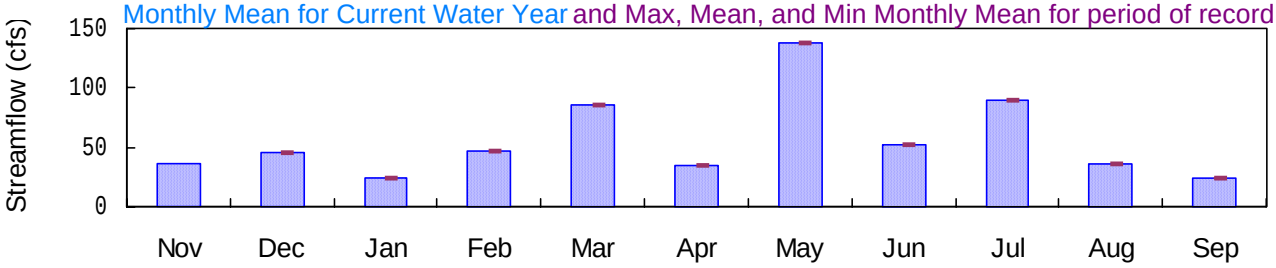
Latitude: 33°34'47" Longitude: 084°03'51" Hydrologic Unit Code: 03070103 Rockdale County
Drainage Area: 26.0 mi^2 Datum: 618 feet

Daily Mean Discharge



Monthly Statistics

Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



NO PHOTOS AVAILABLE FOR THIS SITE

ALTAMAHA RIVER BASIN
2003 Water Year

02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA

LOCATION.—Lat 33°34'47", long 84°03'51" referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit 03070103, on right downstream side of bridge on GA 212. 0.4 miles south of confluence with McClane Creek, and 10.3 miles southwest of Conyers.

DRAINAGE AREA.—26.0 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 2, 2002 to September 30, 2003.

GAGE.—Satellite telemetry with water-stage recorder and continuous water-quality monitor. Datum of gage 618.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except those for periods of estimated daily discharge, which are fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 2, 2002 to September 30, 2003.

GAGE.—Satellite telemetry with water-stage recorder and continuous water-quality monitor. Datum of gage 618.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 8.51 feet, July 1; minimum gage-height recorded, 1.69 feet, September 20.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 2, 2002 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0* DATUM 618 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	16	60	26	31	28	18	35	545	43	20
2	---	16	16	35	23	30	27	50	32	e650	35	19
3	---	15	15	31	21	27	26	71	38	111	40	24
4	---	20	15	26	25	26	25	32	40	77	e42	38
5	---	39	27	24	22	27	32	36	33	70	32	25
6	---	78	21	23	22	357	33	936	33	71	31	22
7	---	29	18	22	48	180	107	540	142	56	29	21
8	---	23	17	22	28	68	58	196	61	e50	61	20
9	---	20	16	22	25	49	44	85	40	47	144	19
10	---	19	23	21	56	40	41	61	34	58	42	19
11	---	88	66	20	34	35	53	51	31	72	39	19
12	---	192	30	19	28	32	36	47	29	52	42	18
13	---	50	61	19	25	30	32	39	57	40	e34	18
14	---	33	39	19	24	28	29	36	146	145	e30	18
15	---	28	29	19	23	39	26	99	92	56	28	28
16	---	63	25	19	186	31	25	225	43	47	28	19
17	---	43	23	20	82	51	24	72	76	43	28	18
18	---	30	22	18	44	46	24	79	151	39	29	17
19	---	26	22	18	35	56	21	81	84	40	28	16
20	---	e24	59	18	31	866	21	57	50	38	56	16
21	---	e23	30	18	30	170	21	51	40	37	33	16
22	---	e22	25	26	196	75	21	674	34	39	27	79
23	---	21	23	20	81	56	19	293	31	77	26	93
24	---	20	376	18	45	47	18	95	29	53	25	24
25	---	19	154	18	37	41	e90	69	27	38	24	19
26	---	19	57	18	34	44	e60	62	26	35	23	18
27	---	18	43	17	47	52	e40	53	26	35	23	17
28	---	17	36	17	35	37	e25	47	47	32	22	18
29	---	17	32	18	---	34	e20	43	33	30	23	15
30	---	16	28	62	---	36	18	40	29	32	22	15
31	---	---	28	33	---	31	---	37	---	48	22	---
TOTAL	---	---	1392	740	1313	2672	1044	4275	1569	2763	1111	728
MEAN	---	---	44.9	23.9	46.9	86.2	34.8	138	52.3	89.1	35.8	24.3
MAX	---	---	376	62	196	866	107	936	151	650	144	93
MIN	---	---	15	17	21	26	18	18	26	30	22	15
MED	---	---	27	20	33	40	27	61	36	48	29	19
AC-FT	---	---	2760	1470	2600	5300	2070	8480	3110	5480	2200	1440

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2003, BY WATER YEAR (WY)

MEAN	---	---	44.9	23.9	46.9	86.2	34.8	138	52.3	89.1	35.8	24.3
MAX	---	---	44.9	23.9	46.9	86.2	34.8	138	52.3	89.1	35.8	24.3
(WY)	---	---	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	---	---	44.9	23.9	46.9	86.2	34.8	138	52.3	89.1	35.8	24.3
(WY)	---	---	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0* DATUM 618 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	1.92	2.91	2.20	2.35	2.27	1.97	2.32	5.28	2.34	1.91
2	---	1.92	1.91	2.44	2.13	2.31	2.25	2.48	2.27	---	2.17	1.88
3	---	1.90	1.90	2.34	2.09	2.24	2.22	3.04	2.39	3.60	2.29	2.01
4	---	2.04	1.90	2.22	2.19	2.21	2.20	2.36	2.43	3.06	---	2.33
5	---	2.44	2.21	2.17	2.10	2.23	2.35	2.36	2.28	2.92	2.12	2.03
6	---	3.14	2.07	2.13	2.11	5.38	2.38	7.46	2.29	2.94	2.08	1.94
7	---	2.29	1.98	2.11	2.70	4.37	3.60	6.38	3.91	2.65	2.05	1.93
8	---	2.13	1.94	2.10	2.27	3.06	2.89	4.52	2.86	---	2.46	1.90
9	---	2.05	1.92	2.09	2.18	2.73	2.63	3.27	2.44	2.45	3.78	1.87
10	---	2.01	2.09	2.08	2.83	2.54	2.57	2.87	2.30	2.68	2.43	1.87
11	---	3.22	2.98	2.05	2.41	2.43	2.79	2.68	2.23	2.96	2.37	1.85
12	---	4.43	2.31	2.03	2.26	2.36	2.46	2.60	2.20	2.55	2.43	1.84
13	---	2.74	2.90	2.03	2.18	2.31	2.35	2.41	2.70	2.29	---	1.83
14	---	2.39	2.52	2.02	2.15	2.28	2.28	2.36	3.76	3.88	---	1.83
15	---	2.27	2.29	2.01	2.13	2.52	2.22	3.40	3.29	2.65	2.11	2.10
16	---	2.94	2.20	2.01	4.13	2.34	2.20	4.72	2.51	2.45	2.10	1.88
17	---	2.60	2.14	2.06	3.24	2.72	2.15	3.07	3.10	2.35	2.11	1.83
18	---	2.32	2.11	2.00	2.62	2.67	2.16	3.16	3.91	2.26	2.13	1.80
19	---	2.22	2.11	1.98	2.43	2.75	2.09	3.20	3.25	2.28	2.11	1.78
20	---	---	2.89	1.98	2.34	7.34	2.08	2.80	2.66	2.24	2.71	1.76
21	---	---	2.32	1.98	2.30	4.24	2.08	2.67	2.43	2.22	2.23	1.77
22	---	---	2.20	2.20	4.24	3.17	2.07	6.41	2.31	2.26	2.10	2.72
23	---	2.08	2.14	2.06	3.23	2.86	2.02	5.12	2.24	3.00	2.05	3.30
24	---	2.05	5.10	1.98	2.65	2.69	2.00	3.43	2.19	2.57	2.02	2.16
25	---	2.02	4.02	1.97	2.47	2.56	---	3.02	2.15	2.24	2.00	2.03
26	---	2.00	2.87	1.97	2.41	2.62	---	2.88	2.12	2.18	1.99	1.98
27	---	1.99	2.60	1.96	2.69	2.77	---	2.71	2.11	2.18	1.97	1.94
28	---	1.96	2.44	1.95	2.43	2.49	---	2.60	2.58	2.11	1.96	1.99
29	---	1.95	2.35	1.99	---	2.40	---	2.51	2.29	2.07	1.97	1.91
30	---	1.93	2.26	2.94	---	2.45	1.99	2.43	2.18	2.11	1.94	1.88
31	---	---	2.27	2.38	---	2.33	---	2.38	---	2.47	1.94	---
MEAN	---	---	2.41	2.13	2.54	2.89	---	3.33	2.59	---	---	2.00
MAX	---	---	5.10	2.94	4.24	7.34	---	7.46	3.91	---	---	3.30
MIN	---	---	1.90	1.95	2.09	2.21	---	1.97	2.11	---	---	1.76

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0* DATUM 618 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	0.00	0.30	0.00	0.02	0.00	0.17	0.00	4.08	0.42	0.00
2	---	0.00	0.00	0.05	0.00	0.00	0.00	0.86	0.00	0.01	0.02	0.00
3	---	0.25	0.00	0.01	0.00	0.00	0.00	0.03	0.35	0.00	0.43	0.73
4	---	0.14	0.00	0.00	0.25	0.03	0.08	0.00	0.03	0.00	0.00	0.08
5	---	1.34	0.42	0.00	0.00	0.57	0.46	0.66	0.00	0.36	0.00	0.00
6	---	0.01	0.00	0.00	0.69	1.51	0.76	2.37	0.62	0.01	0.05	0.03
7	---	0.00	0.00	0.00	0.04	0.45	0.70	0.85	1.35	0.00	0.00	0.00
8	---	0.00	0.00	0.00	0.00	0.00	0.08	0.01	0.00	0.00	0.46	0.00
9	---	0.05	0.00	0.01	0.05	0.00	0.12	0.00	0.00	0.00	0.00	0.00
10	---	0.01	1.12	0.01	0.71	0.00	0.41	0.00	0.00	0.83	0.00	0.00
11	---	2.10	0.01	0.00	0.01	0.00	0.00	0.08	0.00	0.15	0.19	0.00
12	---	0.60	0.00	0.00	0.00	0.00	0.00	0.01	0.26	0.00	0.00	0.00
13	---	0.00	0.77	0.00	0.00	0.00	0.00	0.03	1.26	0.00	---	0.00
14	---	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.88	0.02	---	0.00
15	---	0.05	0.00	0.00	0.00	0.42	0.00	2.09	0.00	0.00	0.00	0.00
16	---	0.68	0.00	0.13	1.72	0.00	0.00	0.27	0.04	0.03	0.11	0.00
17	---	0.00	0.00	0.00	0.00	0.65	0.06	0.07	0.42	0.00	0.00	0.00
18	---	0.00	0.00	0.00	0.00	0.03	0.00	0.55	1.50	0.05	0.14	0.00
19	---	0.00	0.73	0.00	0.00	2.18	0.00	0.17	0.08	0.51	0.17	0.00
20	---	0.01	0.06	0.00	0.00	0.55	0.00	0.02	0.00	0.00	0.06	0.00
21	---	0.03	0.00	0.03	0.18	0.00	0.04	0.51	0.00	0.00	0.01	0.00
22	---	0.00	0.00	0.29	1.10	0.00	0.01	3.34	0.00	0.67	0.00	2.44
23	---	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.98	0.00	0.00
24	---	0.00	2.04	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00
25	---	0.00	0.01	0.00	0.00	0.00	---	0.01	0.00	0.00	0.00	0.00
26	---	0.00	0.00	0.00	0.34	0.94	---	0.06	0.00	0.17	0.00	0.00
27	---	0.00	0.00	0.00	0.21	0.01	---	0.00	0.05	0.00	0.00	0.03
28	---	0.00	0.00	0.00	0.00	0.00	---	0.00	0.75	0.17	0.02	0.01
29	---	0.00	0.00	0.62	---	0.00	---	0.00	0.00	0.00	0.00	0.00
30	---	0.00	0.00	0.49	---	0.23	0.00	0.00	0.23	0.44	0.00	0.00
31	---	---	0.47	0.00	---	0.00	---	0.00	---	0.10	0.00	---
TOTAL	---	---	5.66	1.94	5.31	7.59	---	12.19	7.82	8.58	---	3.32

ALTAMAHA RIVER BASIN
2003 Water Year

02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA

LOCATION.—Lat 33°34'47", long 84°03'51" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit Code 03070103, 2.5 miles north of the Rockdale/Henry County line, miles south of Conyers, and 2.5 miles west of GA 20.

DRAINAGE AREA.—26.0 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIOD OF DAILY RECORD.—January 11, 2003 to September 30, 2003.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: January 11, 2003 to September 30, 2003.
WATER TEMPERATURE: January 11, 2003 to September 30, 2003.
TURBIDITY: January 11, 2003 to September 30, 2003.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good, except turbidity, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 86 microsiemens, September 13, 2003; minimum recorded, 22 microsiemens, March 20, 2003.
WATER TEMPERATURE: Maximum recorded, 24.9°C, August 31, 2003; minimum recorded, 0.6°C, January 24, 2003.
TURBIDITY: Maximum recorded, >1,100 NTU, March 19, 20, May 6, 2003; minimum recorded, 4.7 NTU, September 12, 2003.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0 DATUM 618 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	63	60	61
12	---	---	---	---	---	---	---	---	---	64	62	63
13	---	---	---	---	---	---	---	---	---	64	61	62
14	---	---	---	---	---	---	---	---	---	63	61	62
15	---	---	---	---	---	---	---	---	---	63	61	62
16	---	---	---	---	---	---	---	---	---	63	61	62
17	---	---	---	---	---	---	---	---	---	62	60	61
18	---	---	---	---	---	---	---	---	---	64	62	63
19	---	---	---	---	---	---	---	---	---	64	60	62
20	---	---	---	---	---	---	---	---	---	64	61	62
21	---	---	---	---	---	---	---	---	---	64	61	62
22	---	---	---	---	---	---	---	---	---	63	55	59
23	---	---	---	---	---	---	---	---	---	61	56	58
24	---	---	---	---	---	---	---	---	---	60	59	60
25	---	---	---	---	---	---	---	---	---	60	58	59
26	---	---	---	---	---	---	---	---	---	61	58	59
27	---	---	---	---	---	---	---	---	---	61	59	60
28	---	---	---	---	---	---	---	---	---	62	60	61
29	---	---	---	---	---	---	---	---	---	61	57	60
30	---	---	---	---	---	---	---	---	---	57	47	50
31	---	---	---	---	---	---	---	---	---	54	50	52
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0 DATUM 618 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	57	54	55	54	53	53	55	54	54	61	59	60
2	58	56	57	55	54	54	56	54	55	61	49	58
3	59	57	58	55	54	55	56	55	55	59	51	56
4	60	55	58	56	55	55	58	55	56	59	55	57
5	60	54	59	56	53	55	58	56	57	60	50	58
6	60	53	59	57	35	41	57	56	56	51	24	35
7	53	50	51	48	36	41	59	53	57	39	32	35
8	56	52	54	50	48	49	56	53	54	47	39	43
9	58	55	56	50	49	49	54	53	53	49	45	47
10	58	47	51	51	50	50	53	51	52	50	49	49
11	55	51	53	52	51	51	53	51	52	52	50	51
12	56	54	55	53	51	52	52	51	51	53	51	52
13	57	56	56	54	53	53	52	51	51	54	50	52
14	58	56	57	56	54	55	54	52	53	55	53	54
15	58	56	57	56	51	54	55	53	54	55	43	50
16	58	40	47	53	51	52	55	53	54	59	45	54
17	51	40	48	54	46	50	58	54	56	67	59	64
18	52	51	52	52	46	49	58	56	57	70	64	67
19	54	52	53	52	35	51	59	57	58	72	67	69
20	54	54	54	37	22	33	59	58	58	70	63	68
21	55	53	54	43	37	41	59	58	59	63	57	60
22	55	37	44	47	43	44	60	59	60	57	26	41
23	50	39	46	48	45	45	61	59	60	44	33	39
24	51	49	50	50	46	48	62	60	61	46	44	45
25	52	51	52	52	50	51	62	43	49	48	46	47
26	53	52	52	53	52	52	---	---	---	49	47	48
27	53	51	52	55	53	54	---	---	---	49	48	49
28	53	53	53	58	55	56	---	---	---	49	48	49
29	---	---	---	58	56	57	59	58	58	50	49	49
30	---	---	---	58	55	56	61	58	59	51	49	50
31	---	---	---	56	54	55	---	---	---	52	50	51
MONTH	60	37	53	58	22	50	---	---	---	72	24	52

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0 DATUM 618 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	53	51	52	69	42	57	61	57	58	74	69	71
2	54	52	53	46	40	42	62	59	60	74	71	73
3	56	52	54	52	46	49	62	57	60	73	62	69
4	56	51	53	52	49	50	60	53	56	62	53	57
5	55	53	53	53	50	51	60	58	58	66	59	63
6	55	51	55	53	51	52	63	60	61	66	64	65
7	55	42	49	53	52	53	65	62	63	69	65	66
8	55	49	53	55	52	53	65	44	62	69	67	68
9	55	50	52	59	54	55	60	44	53	69	66	67
10	54	52	52	58	52	55	71	60	66	70	65	68
11	58	53	54	57	55	55	75	71	72	70	67	68
12	63	52	57	60	55	57	---	---	---	84	67	75
13	59	42	54	62	59	60	---	---	---	86	68	74
14	53	39	47	62	49	54	---	---	---	84	67	74
15	57	46	52	66	59	63	---	---	---	83	59	67
16	58	55	56	67	52	58	---	---	---	67	63	64
17	56	47	51	55	53	54	---	---	---	70	66	68
18	53	43	49	60	55	55	---	---	---	77	68	70
19	54	49	51	59	57	58	---	---	---	76	73	74
20	58	54	56	60	59	59	---	---	---	77	69	72
21	58	56	57	59	56	57	59	56	57	76	72	73
22	59	57	57	59	56	57	62	59	60	78	45	65
23	58	57	57	60	49	55	63	61	62	63	43	50
24	58	57	57	57	52	55	64	63	63	74	59	66
25	60	57	58	61	57	59	65	64	64	66	59	62
26	60	56	58	61	60	61	65	64	64	66	64	65
27	59	56	57	62	60	60	65	64	64	69	65	67
28	59	52	55	62	61	62	68	65	65	69	64	66
29	67	58	63	63	62	62	67	65	66	70	68	69
30	69	67	68	63	55	62	69	67	68	70	68	69
31	---	---	---	60	55	58	69	67	68	---	---	---
MONTH	69	39	55	69	40	56	---	---	---	86	43	68

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0 DATUM 618 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	8.2	6.0	6.7
12	---	---	---	---	---	---	---	---	---	6.2	4.8	5.5
13	---	---	---	---	---	---	---	---	---	6.6	5.0	5.7
14	---	---	---	---	---	---	---	---	---	7.2	4.2	5.7
15	---	---	---	---	---	---	---	---	---	6.6	4.8	5.7
16	---	---	---	---	---	---	---	---	---	5.8	3.5	4.7
17	---	---	---	---	---	---	---	---	---	5.6	3.9	5.0
18	---	---	---	---	---	---	---	---	---	3.9	1.8	2.9
19	---	---	---	---	---	---	---	---	---	4.6	2.1	3.3
20	---	---	---	---	---	---	---	---	---	7.3	2.8	4.9
21	---	---	---	---	---	---	---	---	---	10.1	7.2	8.8
22	---	---	---	---	---	---	---	---	---	9.8	8.4	9.4
23	---	---	---	---	---	---	---	---	---	8.4	2.6	5.5
24	---	---	---	---	---	---	---	---	---	3.0	0.6	1.9
25	---	---	---	---	---	---	---	---	---	4.7	1.5	3.0
26	---	---	---	---	---	---	---	---	---	6.0	4.0	4.8
27	---	---	---	---	---	---	---	---	---	5.1	3.2	4.3
28	---	---	---	---	---	---	---	---	---	6.0	2.2	4.2
29	---	---	---	---	---	---	---	---	---	8.1	5.9	6.9
30	---	---	---	---	---	---	---	---	---	9.2	8.1	8.7
31	---	---	---	---	---	---	---	---	---	9.6	8.0	8.7
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0 DATUM 618 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.7	7.6	8.5	10.1	9.5	9.8	15.4	9.7	12.5	20.1	17.8	19.0
2	9.9	6.4	8.2	12.2	10.0	10.8	16.9	12.1	14.3	20.6	18.4	19.3
3	11.0	7.4	9.3	11.0	8.2	9.8	17.6	12.6	15.0	19.1	18.0	18.6
4	11.5	9.3	10.9	11.7	8.5	10.3	18.3	13.9	16.1	19.4	16.8	18.2
5	9.3	7.0	8.3	12.8	11.4	12.0	17.4	15.6	16.4	19.2	18.5	18.7
6	8.2	7.5	7.8	13.1	12.7	12.9	17.9	15.2	16.6	19.5	18.7	19.1
7	8.0	7.1	7.5	13.9	11.8	12.8	16.9	16.0	16.6	19.5	18.8	19.2
8	7.6	5.6	6.7	13.2	12.0	12.7	16.0	14.0	14.8	20.4	19.1	19.7
9	8.9	6.0	7.4	15.5	12.4	13.6	14.0	12.9	13.4	20.9	19.7	20.4
10	9.6	7.9	8.5	14.7	11.5	13.1	12.9	11.5	12.0	21.5	20.2	20.9
11	9.1	6.1	7.6	14.3	10.2	12.3	13.6	11.1	12.3	21.1	19.5	20.6
12	9.8	6.4	8.0	15.4	10.6	13.0	15.9	11.3	13.6	19.6	18.2	19.0
13	9.4	6.0	7.7	17.0	13.0	15.0	17.2	12.7	14.9	18.8	16.4	17.8
14	8.9	6.9	7.9	16.0	14.1	14.9	17.6	13.2	15.4	18.1	17.0	17.5
15	11.8	8.5	10.0	14.1	12.6	13.0	18.1	14.4	16.3	19.0	17.1	17.8
16	11.3	8.5	9.8	14.8	12.4	13.3	18.0	14.8	16.5	19.9	18.6	19.2
17	8.5	7.4	7.7	13.7	12.9	13.3	17.6	15.3	16.6	20.3	19.5	19.9
18	8.8	7.1	7.7	14.4	13.6	14.0	18.5	16.8	17.4	20.1	19.3	19.8
19	9.5	6.3	7.9	14.8	14.3	14.6	16.8	15.4	16.2	19.5	17.3	18.1
20	11.5	8.0	9.7	14.5	13.5	13.9	17.1	16.1	16.6	18.0	16.8	17.4
21	10.9	9.9	10.4	16.1	13.5	14.6	17.4	16.1	16.7	18.7	17.9	18.3
22	14.2	10.9	12.7	15.6	13.1	14.5	17.3	15.2	16.2	18.9	18.5	18.7
23	13.3	10.3	11.4	16.0	12.6	14.2	16.6	13.2	15.0	19.0	18.2	18.6
24	12.3	9.0	10.6	16.4	12.3	14.3	16.0	13.1	14.7	19.7	18.3	19.0
25	12.1	10.0	11.0	17.0	12.4	14.7	16.8	14.9	15.7	20.0	18.6	19.4
26	11.0	9.5	10.0	17.5	13.8	15.7	---	---	---	20.3	19.3	19.7
27	9.5	8.6	8.8	18.2	15.4	16.6	---	---	---	19.7	18.5	19.1
28	10.8	8.6	9.5	17.8	15.8	16.8	---	---	---	19.5	17.2	18.5
29	---	---	---	17.5	14.9	16.3	18.9	16.3	18.3	19.6	17.5	18.6
30	---	---	---	14.9	12.0	13.7	19.7	17.0	18.4	19.4	16.8	18.2
31	---	---	---	13.8	10.0	11.8	---	---	---	20.6	18.0	19.4
MONTH	14.2	5.6	9.0	18.2	8.2	13.5	---	---	---	21.5	16.4	19.0

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0 DATUM 618 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.2	18.5	19.4	21.8	20.9	21.2	24.1	22.9	23.4	24.7	23.3	23.9
2	19.6	17.0	18.5	21.8	21.4	21.6	23.9	22.9	23.3	24.4	22.6	23.5
3	20.1	19.0	19.5	22.2	20.8	21.6	23.5	22.7	23.0	24.2	22.7	23.5
4	21.6	19.9	20.6	22.9	21.6	22.2	23.6	22.9	23.2	24.6	23.8	24.2
5	21.1	19.1	20.2	23.3	22.2	22.6	24.1	22.5	23.3	23.9	22.9	23.4
6	20.8	19.3	20.1	23.1	22.3	22.6	23.5	22.5	23.0	23.0	21.4	22.3
7	21.8	20.5	21.2	23.6	22.0	22.8	23.3	21.8	22.5	21.5	20.3	20.9
8	22.3	21.2	21.7	24.0	22.2	23.1	23.5	22.2	22.7	21.6	19.3	20.5
9	22.4	20.3	21.3	24.2	22.3	23.3	23.6	22.4	23.0	21.5	19.2	20.4
10	22.3	19.8	21.2	23.9	22.9	23.4	23.7	22.4	23.1	21.4	19.8	20.6
11	23.0	21.0	22.0	23.6	22.4	23.0	23.1	21.7	22.3	21.2	18.9	20.0
12	22.6	21.0	21.7	24.2	22.4	23.3	---	---	---	21.1	18.9	19.9
13	22.6	21.2	21.9	23.7	22.0	22.8	---	---	---	21.2	18.4	19.8
14	22.9	22.0	22.5	23.5	21.5	22.7	24.0	22.9	23.7	21.1	19.3	20.3
15	23.0	21.6	22.4	23.4	22.4	23.0	24.5	22.8	23.6	22.1	19.9	21.0
16	23.2	21.7	22.5	23.6	22.4	23.0	24.3	23.3	23.7	21.2	19.1	20.2
17	23.0	22.1	22.6	23.7	22.2	23.0	24.3	22.6	23.5	21.0	18.8	19.8
18	22.7	21.9	22.4	23.9	22.3	23.1	24.3	22.8	23.7	20.3	17.0	18.7
19	22.7	21.7	22.3	23.9	22.3	23.2	24.6	23.2	23.9	20.6	17.2	18.9
20	23.0	21.7	22.3	24.0	22.4	23.3	24.8	23.8	24.3	21.1	18.3	19.7
21	21.7	19.6	20.7	24.3	22.7	23.5	24.7	23.4	24.1	20.9	19.0	20.0
22	21.1	18.4	20.0	23.5	22.6	23.0	24.4	22.8	23.7	22.4	20.7	21.3
23	21.7	19.1	20.5	23.2	22.3	22.7	24.6	22.9	23.8	22.1	20.3	21.5
24	22.1	19.8	21.1	23.1	21.6	22.5	24.7	22.9	23.9	20.6	18.6	19.8
25	22.5	20.2	21.4	22.9	20.8	22.0	24.7	23.5	24.0	20.6	18.4	19.7
26	22.4	20.4	21.5	23.0	21.7	22.4	24.8	22.6	23.7	20.5	18.5	19.6
27	21.9	20.5	21.4	23.7	21.8	22.7	24.7	22.8	23.8	21.0	18.8	20.0
28	22.4	20.8	21.5	24.2	22.3	23.3	24.7	23.0	23.9	20.6	17.8	19.5
29	22.5	21.3	21.9	24.6	22.7	23.6	24.7	22.8	23.8	17.8	15.4	16.5
30	22.5	21.4	21.9	23.9	22.8	23.3	24.8	23.0	23.8	16.8	14.0	15.4
31	---	---	---	24.2	22.9	23.5	24.9	23.0	23.9	---	---	---
MONTH	23.2	17.0	21.3	24.6	20.8	22.8	---	---	---	24.7	14.0	20.5

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0 DATUM 618 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	14	8.2	9.9
12	---	---	---	---	---	---	---	---	---	30	9.0	12
13	---	---	---	---	---	---	---	---	---	16	8.2	10
14	---	---	---	---	---	---	---	---	---	21	8.0	9.6
15	---	---	---	---	---	---	---	---	---	14	7.5	9.1
16	---	---	---	---	---	---	---	---	---	16	7.3	9.0
17	---	---	---	---	---	---	---	---	---	18	8.7	11
18	---	---	---	---	---	---	---	---	---	22	8.3	9.7
19	---	---	---	---	---	---	---	---	---	11	7.6	8.7
20	---	---	---	---	---	---	---	---	---	12	7.4	8.7
21	---	---	---	---	---	---	---	---	---	13	7.1	8.8
22	---	---	---	---	---	---	---	---	---	54	8.5	25
23	---	---	---	---	---	---	---	---	---	23	10	13
24	---	---	---	---	---	---	---	---	---	18	8.2	9.8
25	---	---	---	---	---	---	---	---	---	26	7.3	10
26	---	---	---	---	---	---	---	---	---	20	8.3	9.9
27	---	---	---	---	---	---	---	---	---	22	8.7	11
28	---	---	---	---	---	---	---	---	---	21	8.7	11
29	---	---	---	---	---	---	---	---	---	43	9.6	13
30	---	---	---	---	---	---	---	---	---	330	40	120
31	---	---	---	---	---	---	---	---	---	100	23	32
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0 DATUM 618 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	94	13	20	23	16	19	18	12	14	24	8.2	11
2	65	10	13	25	16	18	16	9.4	12	960	8.7	15
3	17	8.5	12	24	15	17	95	9.8	13	260	36	64
4	40	8.8	18	18	11	14	56	9.6	14	39	18	24
5	17	9.5	12	97	12	13	270	19	30	560	13	19
6	64	9.3	11	---	---	---	120	10	16	>1100	190	270
7	88	25	53	---	---	---	260	58	120	220	130	160
8	25	13	17	150	39	54	77	29	42	180	69	99
9	16	10	13	44	28	34	44	22	29	69	43	53
10	480	13	63	41	22	27	80	18	29	47	35	41
11	38	15	20	31	19	22	79	20	31	54	30	34
12	18	11	14	33	14	18	49	15	20	43	14	28
13	16	9.9	12	18	13	15	75	17	24	30	15	18
14	17	9.1	10	18	12	15	45	14	18	19	14	15
15	14	8.9	10	54	14	32	20	9.0	12	780	14	110
16	630	9.0	310	24	14	17	16	9.1	12	660	66	170
17	280	44	56	120	14	66	20	8.7	12	69	36	49
18	60	29	38	66	20	28	23	9.0	12	270	36	56
19	31	18	23	>1100	18	30	20	8.5	11	120	36	55
20	24	15	18	>1100	130	200	14	7.6	10	52	27	32
21	22	13	17	140	54	81	15	8.1	10	62	23	27
22	920	16	20	97	38	44	15	7.7	10	900	47	210
23	150	28	78	51	30	35	13	6.9	8.7	150	61	97
24	67	28	43	40	29	32	14	6.7	8.6	69	39	48
25	36	23	28	38	27	30	470	12	110	44	14	35
26	35	19	27	140	22	28	---	---	---	39	28	31
27	56	26	35	94	27	37	---	---	---	36	26	29
28	31	18	22	30	20	24	---	---	---	34	24	27
29	---	---	---	25	18	20	19	9.1	11	32	22	24
30	---	---	---	34	18	22	18	9.3	11	31	19	23
31	---	---	---	21	14	16	---	---	---	25	18	22
MAX	920	44	310	---	---	---	---	---	---	1100	190	270
MIN	14	8.5	10	---	---	---	---	---	---	19	8.2	11

> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 333447 LONGITUDE 0840351 NAD27 DRAINAGE AREA 26.0 CONTRIBUTING DRAINAGE AREA 26.0 DATUM 618 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	24	14	20	69	18	39	86	14	22	13	5.4	6.8
2	24	16	19	---	---	---	21	11	14	16	5.6	7.7
3	40	18	24	---	---	---	88	9.2	20	97	5.0	8.4
4	28	19	22	---	---	---	64	11	20	150	17	30
5	24	14	18	---	---	---	16	7.8	11	21	6.9	11
6	310	14	18	---	---	---	17	7.5	9.9	18	6.5	8.5
7	660	57	100	---	---	---	15	6.9	9.2	12	6.2	7.9
8	71	28	40	31	16	18	760	6.5	9.6	11	5.4	6.8
9	34	19	23	31	16	19	530	55	130	12	5.0	6.3
10	22	16	19	470	18	38	95	29	44	18	5.0	7.0
11	63	13	18	83	14	39	50	28	38	15	5.3	6.9
12	790	12	15	35	16	21	---	---	---	14	4.7	6.3
13	490	18	28	24	13	16	---	---	---	42	5.1	6.9
14	1000	40	110	790	16	130	14	9.3	11	60	20	27
15	280	51	98	63	30	40	18	8.2	10	200	15	32
16	79	29	46	68	16	20	18	7.9	11	22	8.7	12
17	160	50	74	21	13	17	17	7.4	9.5	17	5.9	8.1
18	980	35	130	240	13	16	38	7.1	11	24	5.8	8.2
19	110	36	60	180	13	19	33	8.3	12	32	12	17
20	58	28	39	21	12	16	190	22	68	120	20	29
21	34	22	26	27	11	14	37	10	21	25	10	13
22	29	18	22	93	11	17	20	9.0	12	880	6.8	12
23	33	16	19	1000	19	66	16	7.0	9.8	---	---	---
24	23	14	18	90	18	28	22	7.3	9.5	---	---	---
25	23	12	15	27	12	17	15	6.2	8.2	14	9.2	11
26	23	11	14	21	10	14	13	6.4	8.2	19	7.6	9.6
27	48	12	14	21	10	13	16	5.7	8.8	11	6.7	8.3
28	130	18	45	19	8.5	11	18	6.4	8.6	17	7.0	12
29	35	14	21	16	8.6	11	14	6.3	8.7	13	5.3	6.8
30	20	12	15	740	7.8	11	16	5.6	7.6	13	5.0	6.5
31	---	---	---	240	17	51	14	5.8	7.5	---	---	---
MAX	1000	57	130	---	---	---	---	---	---	---	---	---
MIN	20	11	14	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown

ALTAMAHA RIVER BASIN
2003 Water Year

02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA

LOCATION.—Lat 33°34’47”, long 84°03’51” referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit Code 03070103, 0.4 miles south of confluence with McClane Creek, 10.3 miles southwest of Conyers, and 3.2 miles northwest of State Route 20.

DRAINAGE AREA.—26.0 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 25, 1999 to July 12, 2000, December 5, 2002 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses of biological oxygen demand are by the U.S. Geological Survey, Ocala Water-Quality and Resource Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Missouri District Laboratory and the Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, percent of saturation (00301)
DEC													
05...	1135	--	80020	2.40	34	58	33	6.8	7.7	65	65	748	99
JAN													
07...	1140	--	80020	2.10	22	11	8.3	6.9	7.4	61	60	755	97
15...	1115	--	80020	2.01	19	10	8.3	6.9	6.9	62	64	753	91
22...	1250	--	80020	2.48	37	49	29	6.8	7.7	56	60	748	83
FEB													
16...	1550	--	80020	5.66	357	290	190	6.3	7.2	39	40	741	96
MAR													
06...	1140	--	80020	6.50	469	330	220	5.9	7.2	36	37	741	106
APR													
07...	1035	--	80020	3.21	77	72	44	6.3	7.8	47	46	749	93
25...	1230	--	80020	4.24	160	190	120	--	7.7	44	49	739	89
JUN													
16...	1020	--	80020	2.48	42	29	18	6.3	7.4	53	54	747	96
17...	1140	--	80020	3.81	121	130	76	7.6	7.5	50	--	--	--
JUL													
01-02	0150	2030	80020	--	--	190	--	6.9	--	41	--	--	--
02...	0800	--	80020	7.31	794	130	100	6.2	7.2	32	35	742	91
22...	1030	--	80020	2.20	26	15	14	6.8	7.6	57	56	743	92
22...	1230	--	80020	2.19	25	13	13	6.8	7.5	57	56	743	93
JUL													
30-31	2215	0815	80020	--	--	--	180	--	7.5	--	48	--	--

02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA—continued.

Date	Dis-solved oxygen, mg/L (00300)	Temper-ature, water, deg C (00010)	Temper-ature, air, deg C (00020)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, fltrd, mg/L (71846)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Organic nitro-gen, water, unfltrd mg/L (00605)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)
DEC													
05...	11.9	6.5	--	--	--	.48	.134	.17	.424	.34	.037	.012	.117
JAN													
07...	12.0	5.8	--	--	--	.24	.115	.15	.485	.13	.028	.009	.033
15...	11.6	5.0	--	--	--	.26	.111	.14	.526	.15	.040	.013	.041
22...	9.4	9.2	--	--	--	.34	.043	.06	.551	.30	.021	.007	.077
FEB													
16...	10.7	9.2	3.6	--	--	.89	.054	.07	.303	.84	--	E.004	.25
MAR													
06...	10.9	12.8	7.8	--	--	1.1	.043	.06	.275	1.1	--	E.004	.24
APR													
07...	8.9	16.6	17.7	--	--	.47	.044	.06	.272	.43	.028	.009	.096
25...	8.6	15.8	17.4	--	--	.88	.055	.07	.323	.83	--	<.007	.178
JUN													
16...	8.2	22.0	26.0	--	--	.30	.046	.06	.334	.26	.031	.010	.055
17...	--	23.0	25.0	--	--	.64	.030	.04	.307	.61	--	<.007	.116
JUL													
01-02	--	--	--	--	--	--	--	--	--	--	--	--	--
02...	7.8	21.4	23.7	--	--	.46	E.011n	--	.160	--	--	<.007	.103
22...	7.7	22.9	26.0	44	14	.37	.043	.06	.424	.33	.043	.014	.054
22...	7.7	23.2	25.5	--	--	.26	.038	.05	.412	.22	.037	.012	.044
JUL													
30-31	--	--	--	34	282	.99	<.015	--	.390	--	--	<.007	.29

Date	Total nitro-gen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)	Hard-ness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Cadmium water, fltrd, ug/L (01025)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)
DEC													
05...	.90	4.8	2.6	--	E1.3	<.1	14	3.53	1.20	--	<1.2	.08	2
JAN													
07...	.73	2.5	.5	--	.7	<.1	13	3.21	1.15	--	<1.2	.09	3
15...	.79	2.2	.6	--	.6	<.1	13	3.27	1.18	--	<1.2	E.08	3
22...	.89	4.6	1.2	--	1.4	<.1	12	3.03	1.04	--	<1.2	E.07	2
FEB													
16...	1.2	9.8	1.8	--	1.7	<.1	8	2.09	.735	--	E.7	.21	2
MAR													
06...	1.4	14.1	1.5	--	1.2	<.1	8	2.06	.680	--	E1.1	.18	3
APR													
07...	.74	6.7	E2.5	--	E1.6	<.1	12	2.98	1.02	--	1.4	.19	3
25...	1.2	11.9	--	--	--	--	11	2.83	.924	--	E1.1	.37	3
JUN													
16...	.64	4.0	.9	--	.7	<.1	14	3.48	1.17	--	E.6n	.23	2
17...	.95	8.6	2.1	--	--	--	13	3.48	.987	--	1.2	.17	2
JUL													
01-02	--	--	--	--	--	--	--	--	--	--	--	--	--
02...	.62	8.5	1.7	--	1.2	.2	9	2.43	.738	--	1.4	.24	2
22...	.79	3.7	1.0	10	--	--	14	3.71	1.25	<.04	<1.2	.12	2
22...	.67	3.2	.8	--	--	--	14	3.71	1.26	--	<1.2	<.08	1
JUL													
30-31	1.4	13.7	3.9	30	--	--	12	3.13	1.09	<.04	E.9	.11	2

02204130 HONEY CREEK AT GA 212, NEAR CONYERS, GA—continued.

Date	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment load, tons/d (80155)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sampler type, code (84164)	Sam-pling method, code (82398)
DEC					
05...	--	--	--	3044	10
JAN					
07...	--	--	--	3044	10
15...	--	--	--	3044	10
22...	--	--	--	3044	10
FEB					
16...	365	352	56	3052	10
MAR					
06...	728	922	35	3052	10
APR					
07...	69	14	71	3044	10
25...	267	115	65	3044	10
JUN					
16...	--	--	--	3044	10
17...	--	--	--	3044	10
JUL					
01-02	--	--	--	4115	25
02...	960	2060	80	3052	10
22...	26	1.8	55	3044	10
22...	9	.61	70	3044	10
JUL					
30-31	--	--	--	4115	25

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
c -- See laboratory comment
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
m -- Highly var comp using method, ? prec
n -- Below the NDV
o -- Result determined by alternate method
t -- Below the long-term MDL

02204135 CAMP CREEK TRIBUTARY AT GA 155, NEAR STOCKBRIDGE, GA

LOCATION.—Lat 33°34'35", long 84°08'51" referenced to North American Datum (NAD) of 1927, Henry County, Hydrologic Unit 03070103, at culvert on GA 155, 5.0 miles northeast of Stockbridge.

DRAINAGE AREA.—0.28 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—June 21, 1976 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 790.00 feet above National Geodetic Vertical Datum of 1929 (NGVD) (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 9.02 feet, July 5, 1994
DISCHARGE: 190 cfs, July 5, 1994

MAXIMUM FOR CURRENT YEAR.—
STAGE: 6.37 feet, May 6
DISCHARGE: 89.3 cfs, May 6

02204230 BIG COTTON INDIAN CREEK AT GA 138, NEAR STOCKBRIDGE, GA

LOCATION.—Lat 33°33'04", long 84°10'44" referenced to North American Datum (NAD) of 1927, Henry County, Hydrologic Unit 03070103, at bridge crossing on GA 138, 0.35 miles below James Creek, and 11.2 miles above mouth.

DRAINAGE AREA.—46.4 square miles.

COOPERATION.—U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 2003, to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
MAR													
11...	1230	9	80020	6.67	66	10	14	752	9.6	90	6.9	103	11.9
SEP													
15...	1245	9	80020	5.71	25	10	16	752	7.7	88	6.9	183	21.4

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)
MAR													
11...	8.40	7.6	.26	E.03	.57	E.004	<.02	.15	.029	.83	.5	<.1	.5
SEP													
15...	23.8	8.6	.26	<.04	1.28	E.005n	<.18d	.06	.026	1.5	.4	<.1	.4

Date	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)
MAR													
11...	2.6	110	<.09	<.006	<.1	<.005	<.006	<.004	.013	<.006	<.006	<.004	.029
SEP													
15...	2.6	100	<.09	<.006	<.1	<.005	E.005n	<.004	.044	<.006	<.006	<.004	.010

02204230 BIG COTTON INDIAN CREEK AT GA 138, NEAR STOCKBRIDGE, GA—continued.

Date	Azinphos-methyl oxon, water, fltrd, ug/L (61635)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)
MAR													
11...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.04	<.005
SEP													
15...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	.007

Date	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)
MAR													
11...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	E.006	<.002
SEP													
15...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	E.012	<.002

Date	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)
MAR													
11...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
SEP													
15...	<.003	.016	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)
MAR													
11...	<.022	<.10	<.011	<.06	<.008	E.01	<.005	<.004	.058	<.02	<.07	<.02	<.01
SEP													
15...	<.022	<.10	<.011	<.06	<.008	E.01n	<.005	<.004	.012	<.04	<.07	<.02	<.01

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
MAR						
11...	<.009	<.01	94	12	15.00	3045
SEP						
15...	<.009	<.01	73	7	15.00	3045

02204230 BIG COTTON INDIAN CREEK AT GA 138, NEAR STOCKBRIDGE, GA—continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
MAY								
05...	1030	D	47.3	E96	E143.0	1.2	1.6	280

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
Value qualifier codes used in this report:
   d -- Diluted sample: method hi range exceeded
   n -- Below the NDV

02204468 WALNUT CREEK AT AIRLINE ROAD, NEAR McDONOUGH, GA

LOCATION.—Lat 33°29'09", Long 84°05'57" referenced to North American Datum (NAD) of 1983, Henry County, Hydrologic Unit 03070103, at bridge crossing on Airline road, 0.5 miles above Kalves Creek, and 7.0 miles above mouth.

DRAINAGE AREA.—49.6 square miles.

COOPERATION.—U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 2003, to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
MAR													
11...	1530	9	80020	--	94	10	39	751	10.0	101	6.7	56	15.2
SEP													
18...	1500	9	80020	2.53	32	10	11	749	9.5	108	7.1	104	20.8

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)
MAR													
11...	4.59	6.1	.33	E.03	.90	E.004	<.02	.12	.058	1.2	.9	<.1	.9
SEP													
18...	7.89	8.6	.19	<.04	1.68	E.007n	<.02	.03	.018	1.9	.3	<.1	.3

Date	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)
MAR													
11...	3.3	150	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	.050
SEP													
18...	2.1	170	E.01	<.006	<.1	<.005	<.006	<.004	.027	<.006	<.006	<.004	E.006n

02204468 WALNUT CREEK AT AIRLINE ROAD, NEAR McDONOUGH, GA—continued.

Date	Azinphos-methyl oxon, water, fltrd, ug/L (61635)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)
MAR													
11...	<.02	<.050	<.010	E.005	<.06	E.003	<.006	<.008	<.009	<.003	<.004	<.04	<.005
SEP													
18...	<.03	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	.005

Date	Dichlorvos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)
MAR													
11...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	E.005	<.002
SEP													
18...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	E.012	<.002

Date	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)
MAR													
11...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
SEP													
18...	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)
MAR													
11...	E.011	<.10	<.011	<.06	<.008	<.01	<.005	<.004	.057	<.02	<.07	<.02	<.01
SEP													
18...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	.010	<.02	<.07	<.02	<.01

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
MAR						
11...	<.009	<.01	96	21	15.00	3045
SEP						
18...	<.009	<.01	77	7	15.00	3045

02204468 WALNUT CREEK AT AIRLINE ROAD, NEAR McDONOUGH, GA—continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
APR								
30...	1030	D	13.4	E190	E205.9	4.4	5.6	280
30...	1035	D	.9	E22	E22.60	.4	.9	280

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
Value qualifier codes used in this report:
   n -- Below the NDV

ALTAMAHA RIVER BASIN
2003 Water Year

02204748 ALMAND CREEK AT GA 138, NEAR CONYERS, GA

LOCATION.—Lat 33°37'56", long 84°02'07" referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit Code 03070103, 0.3 miles northeast of Ebenezer Road, 2.0 miles southwest of Interstate 20, 3.1 miles southwest of Conyers.

DRAINAGE AREA.—4.7 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 11, 1999 to January 1, 2000, December 10, 2002 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses of biological oxygen demand are by the U.S. Geological Survey, Ocala Water-Quality and Resource Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, percent of saturation (00301)	Dissolved oxygen, mg/L (00300)
DEC													
10...	1135	80020	1.64	2.9	8.0	15	6.8	7.0	72	70	746	81	9.7
JAN													
06...	1135	80020	1.73	6.3	7.7	--	6.4	--	63	--	748	86	10.6
22...	1035	80020	1.96	16	21	31	6.5	7.4	66	71	739	89	10.1
FEB													
11...	1010	80020	1.80	8.8	9.9	--	6.7	--	58	--	748	84	10.6
MAR													
11...	1315	80020	1.89	13	10	--	6.0	--	58	--	750	106	10.7
APR													
03...	1105	80020	1.79	8.3	10	8.6	6.3	6.9	58	60	753	100	10.0
10...	1000	80020	1.88	12	10	--	6.2	--	60	--	737	83	8.9
MAY													
14...	0950	80020	1.60	.98	17	36	6.5	7.4	60	59	747	77	7.3
JUN													
09...	1055	80020	1.85	11	13	14	6.5	6.4	62	59	743	74	6.4
17...	1030	80020	2.38	47	25	30	7.3	7.6	59	57	--	--	--
JUL													
01...	1020	80020	3.01	104	63	61	6.5	6.0	48	48	741	70	6.1
09...	1000	80020	1.57	1.3	11	20	6.6	7.5	63	60	750	72	6.0
AUG													
14...	1115	80020	1.70	7.5	16	--	6.4	--	68	--	753	70	5.9
SEP													
10...	0915	80020	1.63	2.0	17	19	6.5	7.2	70	68	750	65	5.8
11...	0945	80020	1.63	2.1	18	--	6.5	--	70	--	751	66	6.0

02204748 ALMAND CREEK AT GA 138, NEAR CONYERS, GA—continued.

Date	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, fltrd, mg/L (71846)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)
DEC													
10...	6.5	--	.26	.078	.10	.201	.18	--	E.005	.053	.46	3.7	.2
JAN													
06...	5.8	--	--	--	--	--	--	--	--	--	--	--	--
22...	8.7	--	.48	.085	.11	.369	.40	--	<.007	.107	.85	6.3	.9
FEB													
11...	4.7	5.3	--	--	--	--	--	--	--	--	--	--	--
MAR													
11...	14.3	18.0	--	--	--	--	--	--	--	--	--	--	--
APR													
03...	15.0	23.0	.29	.022	.03	.222	.27	--	E.005	.060	.51	4.2	1.3
10...	10.6	6.1	--	--	--	--	--	--	--	--	--	--	--
MAY													
14...	17.1	22.8	.50	.104	.13	.222	.39	--	E.004	.125	.72	E5.8	1.1
JUN													
09...	21.5	25.0	.41	.071	.09	.180	.34	--	E.004n	.074	.59	5.2	.7
17...	22.5	24.0	.38	.064	.08	.197	.32	--	E.006	.081	.58	5.8	.8
JUL													
01...	21.0	20.5	.69	.047	.06	.192	.64	--	<.007	.153	.88	8.2	1.5
09...	23.5	--	.31	.071	.09	.176	.24	.025	.008	.070	.48	4.3	E.6
AUG													
14...	23.5	26.5	--	--	--	--	--	--	--	--	--	--	--
SEP													
10...	19.8	22.2	.31	.098	.13	.145	.22	--	<.007	.062	.46	3.5	.6
11...	19.2	23.6	--	--	--	--	--	--	--	--	--	--	--

Date	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Chlorophyll b phytoplankton, fluoro, ug/L (70954)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	1,2-Diphenylhydrazine, water, unfltrd ug/L (82626)	246-Tribromophenol, sur Sch 1383/85 wat unf pct rcv (90652)
DEC													
10...	E.7	<.1	16	4.62	.975	<1.2	.08	6	--	--	--	<1	84.9
JAN													
06...	--	--	--	--	--	--	--	--	--	--	--	<1	65.9
22...	2.2	E.1	15	4.45	.923	<1.2	.08	9	--	--	--	--	--
FEB													
11...	--	--	--	--	--	--	--	--	--	--	--	<1	92.8
MAR													
11...	--	--	--	--	--	--	--	--	--	--	--	<1	66.2
APR													
03...	E1.4	<.1	14	3.99	.886	<1.2	.14	4	9	.20	81	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	<1	29.5
MAY													
14...	E1.2	<.1	16	4.65	1.00	<1.2	.11	4	21	.06	77	--	--
JUN													
09...	.6	<.1	17	5.08	1.01	<1.2	E.05n	5	8	.24	79	<1	66.7
17...	.5	<.1	16	4.96	.907	E.7	.16	6	--	--	--	--	--
JUL													
01...	.9	.2	13	4.08	.750	E1.0n	.10	5	683	191	92	--	--
09...	--	--	17	5.28	1.03	<1.2	E.07	3	11	.04	83	<1	92.8
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	<1	83.4
SEP													
10...	E.5	<.1	19	5.78	1.16	.3	<.08	Mn	6	.03	88	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	<1	83.4

02204748 ALMAND CREEK AT GA 138, NEAR CONYERS, GA—continued.

Date	2,4,6-Tri-chloro-phenol, water, unfltrd ug/L (34621)	2,4-Di-chloro-phenol, water, unfltrd ug/L (34601)	2,4-Di-methyl-phenol, water, unfltrd ug/L (34606)	2,4-Di-nitro-phenol, water, unfltrd ug/L (34616)	2,4-Di-nitro-toluene water unfltrd ug/L (34611)	2,6-Di-nitro-toluene water unfltrd ug/L (34626)	2-Chloro-naphth-alene, water, unfltrd ug/L (34581)	2-chloro-phenol, water, unfltrd ug/L (34586)	2-Methyl-4,6-di-nitro-phenol, wat unf ug/L (34657)	2-nitro-phenol, water unfltrd ug/L (34591)	3,3'-Di chloro-benzi-dine, water, unfltrd ug/L (34631)	4-Bromo-phenyl phenyl ether, wat unf ug/L (34636)	4-Chloro-3-methyl-phenol, wat unf ug/L (34452)
DEC													
10...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
JAN													
06...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
MAR													
11...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
APR													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
MAY													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
09...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2mc	<1	<.9mc	<2	<3
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2mc	<1	<.9mc	<2	<3
AUG													
14...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2mc	<1	<.9mc	<2	<3
SEP													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2mc	<1	<.9mc	<2	<3

Date	4-Chloro-phenyl phenyl ether, wat unf ug/L (34641)	4-Nitro-phenol, water, unfltrd ug/L (34646)	9H-Fluor-ene, water, unfltrd ug/L (34381)	Ace-naphth-ene, water, unfltrd ug/L (34205)	Ace-naphth-ylene, water, unfltrd ug/L (34200)	Aldrin, water, unfltrd ug/L (39330)	alpha-Endo-sulfan, water, unfltrd ug/L (39388)	alpha-HCH-d6, surrog, Sch1398 water, unfltrd pct rcv (99777)	Anthra-cene, water, unfltrd ug/L (34220)	Benzi-dine, water, unfltrd ug/L (39120)	Benzo-[a]-anthra-cene, water, unfltrd ug/L (34526)	Benzo-[a]-pyrene, water, unfltrd ug/L (34247)	Benzo-[b]-fluor-anthene water unfltrd ug/L (34230)
DEC													
10...	<2	<4	<2	<2	<2	<.002	<.002	80.1	<2	<1000	<2	<1	<2
JAN													
06...	<2	<4	<2	<2	<2	<.002	<.002	92.0	<2	<1000	<2	<1	<2
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<2	<4	<2	<2	<2	<.002	<.002	70.8	<2	<1000	<2	<1	<2
MAR													
11...	<2	<4	<2	<2	<2	<.002	<.002	70.1	<2	<1000	<2	<1	<2
APR													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<2	<4	<2	<2	<2	<.002	<.002	72.2	<2	<1000	<2	<1	<2
MAY													
14...	--	--	--	--	--	<.002	<.002	44.7	--	--	--	--	--
JUN													
09...	<2	<4mc	<2	<2	<2	<.002	<.002	35.1	<2	<1000mc	<2	<1	<2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	<2	<4mc	<2	<2	<2	<.002	<.002	56.9	<2	<1000mc	<2	<1	<2
AUG													
14...	<2	<4mc	<2	<2	<2	<.002	<.002	54.8	<2	<1000mc	<2	<1	<2
SEP													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<2	<4mc	<2	<2	<2	--	--	--	<2	<1000mc	<2	<1	<2

02204748 ALMAND CREEK AT GA 138, NEAR CONYERS, GA—continued.

Date	Benzo-[g,h,i]-perylene, water, unfltrd ug/L (34521)	Benzo-[k]-fluoranthene water unfltrd ug/L (34242)	Benzyl n-butyl phthalate, water, unfltrd ug/L (34292)	Bis(2-chloroethoxy) methane water unfltrd ug/L (34278)	Bis(2-chloroethyl) ether, water, unfltrd ug/L (34273)	Bis(2-chloroisopropyl) ether, wat unf ug/L (34283)	Bis(2-ethylhexyl) phthalate, wat unf ug/L (39100)	Chlordane, technical, water, unfltrd ug/L (39350)	Chrysene, water, unfltrd ug/L (34320)	Dibenzo-[a,h]-anthracene, wat unf ug/L (34556)	Dieldrin, water, unfltrd ug/L (39380)	Diethyl phthalate, water, unfltrd ug/L (34336)	Dimethyl phthalate, water, unfltrd ug/L (34341)
DEC													
10...	<2	<1	<2	<3	<2	<2	<7	<.1	<3	<1	<.002	<2	<1
JAN													
06...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
MAR													
11...	<2	<1	<2	<3	<2	<2	E2	<.1	<3	<1	<.002	<2	<1
APR													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
MAY													
14...	--	--	--	--	--	--	--	<.1	--	--	<.002	--	--
JUN													
09...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	<2	<1	<2	<3	<2	<2	E2n	<.1	<3	<1	<.002	<2	<1
AUG													
14...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
SEP													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<2	<1	<2	<3	<2	<2	<2	--	<3	<1	--	Mt	Mt

Date	Di-n-butyl phthalate, water, unfltrd ug/L (39110)	Di-n-octyl phthalate, water, unfltrd ug/L (34596)	Endrin, water, unfltrd ug/L (39390)	Fluoranthene water unfltrd ug/L (34376)	Heptachlor epoxide water unfltrd ug/L (39420)	Heptachlor, water, unfltrd ug/L (39410)	Hexachlorobenzene water unfltrd ug/L (39700)	Hexachlorocyclopentadiene, wat unf ug/L (34386)	Indeno-[1,2,3-cd]-pyrene, water, unfltrd ug/L (34403)	Isodrin surrog, Sch1398 wat unf percent recovry (90571)	Isophorone water unfltrd ug/L (34408)	Lindane water, unfltrd ug/L (39340)	Mirex, water, unfltrd ug/L (39755)
DEC													
10...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	76.9	<2	<.0020	<.002
JAN													
06...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	83.3	<2	<.0020	<.002
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	69.7	M	<.0020	<.002
MAR													
11...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	67.8	<2	<.0020	<.002
APR													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<2	<2	<.002	M	<.003	<.002	<2	<1	<3	44.4	<2	<.0020	<.002
MAY													
14...	--	--	<.002	--	<.003	<.002	--	--	--	87.3	--	<.0020	<.002
JUN													
09...	<2	<2	<.002	<2	<.003	<.002	<2	<1mc	<3	49.7	M	<.0020	<.002
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	<2	<2	<.002	<2	<.003	<.002	<2	<1mc	<3	88.3	<2	<.0020	<.002
AUG													
14...	<2	<2	<.002	<2	<.003	<.002	<2	<1mc	<3	75.9	<2	<.0020	<.002
SEP													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	Mt	<2	--	Mt	--	--	<2	<1mc	<3	--	Mt	--	--

02204748 ALMAND CREEK AT GA 138, NEAR CONYERS, GA—continued.

Date	Nitro-benzene water unfltrd ug/L (34447)	N-NItroso-di-methyl-amine, wat unf ug/L (34438)	N-NItroso-di-n-propyl-amine, wat unf ug/L (34428)	N-NItroso-di-phenyl-amine, wat unf ug/L (34433)	p,p'-DDD, water, unfltrd ug/L (39360)	p,p'-DDE, water, unfltrd ug/L (39365)	p,p'-DDT, water, unfltrd ug/L (39370)	p,p'-Meth-oxy-chlor, water, unfltrd ug/L (39480)	PCB 207, surrog, Sch1398 water, unfltrd pct rcv (99780)	PCBs, water, unfltrd ug/L (39516)	Penta-chloro-phenol, water, unfltrd ug/L (39032)	Phenan-threne, water, unfltrd ug/L (34461)	Phenol, water, unfltrd ug/L (34694)
DEC													
10...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	72.0	<.1	<2	<2	<3.0
JAN													
06...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	95.6	<.1	<2	<2	<3.0
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	73.5	<.1	<2	<2	E.4
MAR													
11...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	71.4	<.1	<2	<2	E.3
APR													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	68.7	<.1	<2	<2	<3.0
MAY													
14...	--	--	--	--	<.002	<.002	<.002	<.003	85.1	<.1	--	--	--
JUN													
09...	<1	<3	<2	<2mc	<.002	<.002	<.002	<.003	60.1	<.1	<2mc	<2	E.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	<1	<3	<2	<2mc	<.002	<.002	<.002	<.003	84.6	<.1	<2mc	<2	<3.4
AUG													
14...	<1	<3	<2	<2mc	<.002	<.002	<.002	<.003	79.9	<.1	<2mc	<2	E.3t
SEP													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<1	<3	<2	<2mc	--	--	--	--	--	--	<2mc	<2	<3.4

Date	Phenol-d5, surrog, Sched. 1383/85 wat unf pct rcv (90630)	Pyrene, water, unfltrd ug/L (34469)	Toxa-phene, water, unfltrd ug/L (39400)	Xylenes water unfltrd ug/L (81551)	1,1,1,2-Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)
DEC													
10...	53.6	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
JAN													
06...	49.6	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	59.6	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
MAR													
11...	37.8	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
APR													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	19.7	M	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
MAY													
14...	--	--	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
JUN													
09...	41.6	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	52.8	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
AUG													
14...	35.5	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
SEP													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	58.2	M	--	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2

02204748 ALMAND CREEK AT GA 138, NEAR CONYERS, GA—continued.

Date	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloroethane-d4, sur Sch2090 wat unf pct rcv (99832)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)
DEC													
10...	<.2	<.2	<.2	<1	<.2	<.2	<.2	116	<.2	<.2	<.2	<.2	<.2
JAN													
06...	<.2	<.2	<.2	<1	<.2	<.2	<.2	117	<.2	<.2	<.2	<.2	<.2
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<.2	<.2	<.2	<1	<.2	<.2	<.2	102	<.2	<.2	<.2	<.2	<.2
MAR													
11...	<.2	<.2	<.2	<1	<.2	<.2	<.2	96.0	<.2	<.2	<.2	<.2	<.2
APR													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<.2	<.2	<.2	<1	<.2	<.2	<.2	116	<.2	<.2	<.2	<.2	<.2
MAY													
14...	<.2	<.2	<.2	<1	<.2	<.2	<.2	105	<.2	<.2	<.2	<.2	<.2
JUN													
09...	<.2	<.2	<.2	<1	<.2	<.2	<.2	118	<.2	<.2	<.2	<.2	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	<.2	<.2	<.2	<1	<.2	<.2	<.2	114	<.2	<.2	<.2	<.2	<.2
AUG													
14...	<.2	<.2	<.2	<1	<.2	<.2	<.2	110	<.2	<.2	<.2	<.2	<.2
SEP													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<.2	<.2	<.2	<1	<.2	<.2	<.2	102	<.2	<.2	<.2	<.2	<.2

Date	14Bromofluorobenzene surrog. VOC Sch wat unf pct rcv (99834)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromomethane water unfltrd ug/L (34413)	Chlorobenzene water unfltrd ug/L (34301)	Chloroethane, water, unfltrd ug/L (34311)
DEC													
10...	93.7	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
JAN													
06...	100	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	87.8	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
MAR													
11...	74.8	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
APR													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	91.8	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
MAY													
14...	83.8	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
JUN													
09...	90.4	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	105	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
AUG													
14...	85.2	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
SEP													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	79.0	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2

02204748 ALMAND CREEK AT GA 138, NEAR CONYERS, GA—continued.

Date	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iso-propyl-benzene water unfltrd ug/L (77223)	Naphth-alene, water, unfltrd ug/L (34696)	n-Butyl benzene water unfltrd ug/L (77342)
DEC													
10...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
JAN													
06...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
MAR													
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
APR													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
MAY													
14...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	--	<.2	<.5	<.2
JUN													
09...	<.2mc	<.2	<.2	<.2	<.2	<.2mc	<.2	<.2	<.2	<2mc	<.2	<.5	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2mc	<.2	<.5	<.2
AUG													
14...	<.2mc	<.2	<.2	<.2	<.2	<.2mc	<.2	<.2	<.2	<2mc	<.2	<.5	<.2
SEP													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<.2mc	<.2	<.2	<.2	<.2	<.2mc	<.2	<.2	<.2	<2mc	<.2	<.5	<.2

Date	n-propyl-benzene water unfltrd ug/L (77224)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Toluene water unfltrd ug/L (34010)	Toluene -d8, surrog, Sch2090 wat unf percent recovry (99833)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)
DEC													
10...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	86.2	<.2	<.2	<.2	<.2
JAN													
06...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	84.2	<.2	<.2	<.2	<.2
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	101	<.2	<.2	<.2	<.2
MAR													
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	96.5	<.2	<.2	<.2	<.2
APR													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	103	<.2	<.2	<.2	<.2
MAY													
14...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	94.8	<.2	<.2	<.2	<.2
JUN													
09...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	97.9	<.2	<.2	<.2	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	99.7	<.2	<.2	<.2	<.2
AUG													
14...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	95.7	<.2	<.2	<.2	<.2
SEP													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	95.7	<.2	<.2	<.2	<.2

02204748 ALMAND CREEK AT GA 138, NEAR CONYERS, GA—continued.

Date	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	2Fluoro -bi- phenyl, surrog, bed sed <2 mm, pct rcv (49279)	Nitro-benzene -d5, surrog, bed sed <2 mm, pct rcv (49280)	Ter-phenyl-d14, surrog, bed sed <2 mm, pct rcv (49278)	Sampler type, code (84164)	Sam-pling method, code (82398)
DEC								
10...	<.2	<.2	<.2	88	91	34	3044	10
JAN								
06...	<.2	<.2	<.2	82	90	27	3060	30
22...	--	--	--	--	--	--	3060	10
FEB								
11...	<.2	<.2	<.2	89	88	33	8010	30
MAR								
11...	<.2	<.2	<.2	74	79	21	8010	30
APR								
03...	--	--	--	--	--	--	3044	10
10...	<.2	<.2	<.2	68	74	30	8010	30
MAY								
14...	<.2	<.2	<.2	--	--	--	3044	10
JUN								
09...	<.2	<.2	<.2	75	76	26	3044	10
17...	--	--	--	--	--	--	3060	10
JUL								
01...	--	--	--	--	--	--	3044	10
09...	<.2	<.2	<.2	88	92	92	3044	10
AUG								
14...	<.2	<.2	<.2	84	87	39	8010	30
SEP								
10...	--	--	--	--	--	--	3044	10
11...	<.2	<.2	<.2	94	96	44	8010	10

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
c -- See laboratory comment
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
m -- Highly var comp using method, ? prec
n -- Below the NDV
o -- Result determined by alternate method
t -- Below the long-term MDL

ALTAMAHA RIVER BASIN
2003 Water Year

02204750 ALMAND CREEK AT GA 20, NEAR CONYERS, GA

LOCATION.—Lat 33°36'35", long 84°00'53" referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit Code 03070103, 150 feet upstream of culvert on GA 20, 3.22 miles south of Interstate 20, 4.76 miles south of Conyers.

DRAINAGE AREA.—6.27 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—November 21, 2002 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses of biological oxygen demand are by the U.S. Geological Survey, Ocala Water-Quality and Resource Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Missouri District Laboratory and the Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Baro-metric pres-sure, mm Hg (00025)	Dissolved oxygen, percent of sat-uration (00301)	Dissolved oxygen, mg/L (00300)
NOV													
21...	1215	80020	1.48	12	14	11	6.5	7.5	171	169	743	92	9.4
DEC													
10...	1045	80020	1.34	6.5	12	--	6.8	--	160	--	747	91	10.5
JAN													
06...	1350	80020	1.48	12	12	--	6.3	--	99	--	748	102	12.0
15...	1010	80020	1.38	7.9	11	8.7	6.7	6.9	150	148	755	94	11.7
22...	1320	80020	1.79	26	43	38	6.6	7.3	90	94	735	--	--
30...	1105	80020	2.25	54	95	58	5.8	7.5	79	79	751	85	9.8
FEB													
11...	1140	80020	1.60	17	15	--	6.5	--	130	--	749	92	11.0
MAR													
11...	1615	80020	1.59	16	14	--	6.2	--	134	--	748	105	10.8
17...	1145	80020	1.92	36	78	57	6.2	7.1	82	80	739	101	10.2
APR													
08...	1020	80020	1.72	23	26	20	6.1	7.8	81	83	741	94	9.4
10...	1200	80020	1.66	20	21	--	6.2	--	123	--	736	92	9.7
MAY													
15...	0845	80020	2.24	53	140	73	6.4	7.3	70	70	745	91	8.5
JUN													
09...	0935	80020	1.60	17	26	19	6.5	6.2	89	85	743	86	7.5
JUL													
01...	1200	80020	3.45	163	220	150	6.2	7.1	52	53	741	79	6.8
09...	1150	80020	1.56	15	17	20	6.6	7.5	93	91	749	94	7.8
AUG													
14...	1200	80020	1.42	--	22	--	6.5	--	152	--	753	111	9.3
SEP													
11...	1040	80020	1.29	5.5	24	13	6.7	7.5	389	384	746	88	7.8

02204750 ALMAND CREEK AT GA 20, NEAR CONYERS, GA—continued.

Date	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, fltrd, mg/L (71846)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)
NOV													
21...	13.0	--	.52	.244	.31	1.06	.27	.034	.011	.083	1.6	--	1.3
DEC													
10...	8.3	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
06...	7.5	--	--	--	--	--	--	--	--	--	--	--	--
15...	5.8	--	.79	.433	.56	2.71	.35	.101	.033	.179	3.5	4.1	1.8
22...	9.6	--	.53	.106	.14	1.36	.42	.052	.017	.20	1.9	4.9	1.2
30...	8.7	--	.64	.115	.15	.869	.53	--	E.004	.178	1.5	6.3	1.9
FEB													
11...	6.9	7.6	--	--	--	--	--	--	--	--	--	--	--
MAR													
11...	13.2	18.5	--	--	--	--	--	--	--	--	--	--	--
17...	13.3	15.8	.69	.093	.12	1.05	.60	.043	.014	.24	1.7	7.0	1.4
APR													
08...	14.3	10.5	.42	.100	.13	.854	.32	.031	.010	.078	1.3	4.8	1.2
10...	11.4	6.6	--	--	--	--	--	--	--	--	--	--	--
MAY													
15...	17.4	16.9	.83	.151	.19	.916	.68	.037	.012	.25	1.8	E8.2	2.6
JUN													
09...	21.0	22.0	.43	.103	.13	.949	.33	.055	.018	.101	1.4	4.8	.8
JUL													
01...	21.0	20.5	1.1	.043	.06	.459	1.0	--	<.007	.46oc	1.5	13.6	2.3
09...	23.5	--	.40	.136	.18	1.35	.26	.034	.011	.074	1.7	3.8	E.6
AUG													
14...	23.2	25.5	--	--	--	--	--	--	--	--	--	--	--
SEP													
11...	20.2	21.3	.62	.083	.11	4.30d	.54	.031	.010	.095	4.9	3.1	.7

Date	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Chlorophyll b phytoplankton, fluoro, ug/L (70954)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	1,2-Diphenylhydrazine, water, unfltrd ug/L (82626)	246-Tribromophenol, sur Sch 1383/85 wat unf pct rcv (90652)
NOV													
21...	E.3	<.1	23	7.19	1.24	E1.0	.28	14	--	--	--	<1	82.1
DEC													
10...	--	--	--	--	--	--	--	--	--	--	--	<1	73.3
JAN													
06...	--	--	--	--	--	--	--	--	--	--	--	<1	79.7
15...	.4	<.1	22	6.85	1.21	1.4	.16	14	--	--	--	--	--
22...	2.6	E.1	18	5.48	.999	1.4	.15	10	--	--	--	--	--
30...	1.2	<.1	14	4.21	.803	E1.0	.17	12	--	--	--	--	--
FEB													
11...	--	--	--	--	--	--	--	--	--	--	--	<1	47.3
MAR													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	E2.2	<.1	17	5.07	1.01	E1.0	.21	9	73	7.0	88	--	--
APR													
08...	--	--	16	4.69	.931	E1.0	.24	7	31	1.9	89	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	<1	36.4
MAY													
15...	E.8	<.1	17	5.08	.948	<1.2	.31	7	131	19	82	<1	81.1
JUN													
09...	.2	<.1	23	7.00	1.24	E1.1n	.16	4	20	.92	94	<1	66.4
JUL													
01...	2.1	.4	13	4.10	.777	1.5	.15	5	2240	984	80	--	--
09...	--	--	23	7.10	1.21	E.7	.23	6	21	.86	76	<1	86.9
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	<1	76.6
SEP													
11...	E.6	<.1	25	7.58	1.50	2.2	.24	7	30	.45	57	<1	65.0

02204750 ALMAND CREEK AT GA 20, NEAR CONYERS, GA—continued.

Date	2,4,6-Tri-chloro-phenol, water, unfltrd ug/L (34621)	2,4-Di-chloro-phenol, water, unfltrd ug/L (34601)	2,4-Di-methyl-phenol, water, unfltrd ug/L (34606)	2,4-Di-nitro-phenol, water, unfltrd ug/L (34616)	2,4-Di-nitro-toluene water unfltrd ug/L (34611)	2,6-Di-nitro-toluene water unfltrd ug/L (34626)	2-Chloro-naphth-alene, water, unfltrd ug/L (34581)	2-chloro-phenol, water, unfltrd ug/L (34586)	2-Methyl-4,6-di-nitro-phenol, wat unf ug/L (34657)	2-nitro-phenol, water unfltrd ug/L (34591)	3,3'-Di chloro-benzi-dine, water, unfltrd ug/L (34631)	4-Bromo-phenyl phenyl ether, wat unf ug/L (34636)	4-Chloro-3-methyl-phenol, wat unf ug/L (34452)
NOV													
21...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
DEC													
10...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
JAN													
06...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	M	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
MAR													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	M	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
MAY													
15...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
JUN													
09...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2mc	<1	<.9mc	<2	<3
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2mc	<1	<.9mc	<2	<3
AUG													
14...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2mc	<1	<.9mc	<2	<3
SEP													
11...	Mt	Mt	<2.0	<3	<3	<2	<2	<2	<2mc	<1	<.9mc	<2	<3

Date	4-Chloro-phenyl phenyl ether, wat unf ug/L (34641)	4-Nitro-phenol, water, unfltrd ug/L (34646)	9H-Fluor-ene, water, unfltrd ug/L (34381)	Ace-naphth-ene, water, unfltrd ug/L (34205)	Ace-naphth-ylene, water, unfltrd ug/L (34200)	Aldrin, water, unfltrd ug/L (39330)	alpha-Endo-sulfan, water, unfltrd ug/L (39388)	alpha-HCH-d6, surrog, Sch1398 water, unfltrd pct rcv (99777)	Anthra-cene, water, unfltrd ug/L (34220)	Benzi-dine, water, unfltrd ug/L (39120)	Benzo-[a]-anthra-cene, water, unfltrd ug/L (34526)	Benzo-[a]-pyrene, water, unfltrd ug/L (34247)	Benzo-[b]-fluor-anthene water unfltrd ug/L (34230)
NOV													
21...	<2	<4	<2	<2	<2	<.002	<.002	129	<2	<1000	<2	<1	<2
DEC													
10...	<2	<4	<2	<2	<2	<.002	<.002	82.9	<2	<1000	<2	<1	<2
JAN													
06...	<2	<4	<2	<2	<2	<.002	<.002	80.3	<2	<1000	<2	<1	<2
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<2	<4	<2	<2	<2	<.002	<.002	72.1	<2	<1000	<2	<1	<2
MAR													
11...	--	--	--	--	--	<.002	<.002	73.7	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<2	<4	<2	<2	<2	<.002	<.002	81.0	<2	<1000	<2	<1	<2
MAY													
15...	<2	<4	<2	<2	<2	<.002	<.002	37.8	<2	<1000	<2	<1	<2
JUN													
09...	<2	<4mc	<2	<2	<2	<.002	<.002	39.1	<2	<1000mc	<2	<1	<2
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	<2	<4mc	<2	<2	<2	<.002	<.002	52.7	<2	<1000mc	<2	<1	<2
AUG													
14...	<2	<4mc	<2	<2	<2	<.002	<.002	58.5	<2	<1000mc	<2	<1	<2
SEP													
11...	<2	<4mc	<2	<2	<2	--	--	--	<2	<1000mc	<2	<1	<2

02204750 ALMAND CREEK AT GA 20, NEAR CONYERS, GA—continued.

Date	Benzo-[g,h,i]-perylene, water, unfltrd ug/L (34521)	Benzo-[k]-fluoranthene water unfltrd ug/L (34242)	Benzyl n-butyl phthalate, water, unfltrd ug/L (34292)	Bis(2-chloroethoxy) methane water unfltrd ug/L (34278)	Bis(2-chloroethyl) ether, water, unfltrd ug/L (34273)	Bis(2-chloroisopropyl) ether, wat unf ug/L (34283)	Bis(2-ethylhexyl) phthalate, wat unf ug/L (39100)	Chlordane, technical, water, unfltrd ug/L (39350)	Chrysene, water, unfltrd ug/L (34320)	Dibenzo-[a,h]-anthracene, wat unf ug/L (34556)	Dieldrin, water, unfltrd ug/L (39380)	Diethyl phthalate, water, unfltrd ug/L (34336)	Dimethyl phthalate, water, unfltrd ug/L (34341)
NOV													
21...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
DEC													
10...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
JAN													
06...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
MAR													
11...	--	--	--	--	--	--	--	<.1	--	--	<.002	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
MAY													
15...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
JUN													
09...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
AUG													
14...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
SEP													
11...	<2	<1	<2	<3	<2	<2	<2	--	<3	<1	--	Mt	<1

Date	Di-n-butyl phthalate, water, unfltrd ug/L (39110)	Di-n-octyl phthalate, water, unfltrd ug/L (34596)	Endrin, water, unfltrd ug/L (39390)	Fluoranthene water unfltrd ug/L (34376)	Heptachlor epoxide water unfltrd ug/L (39420)	Heptachlor, water, unfltrd ug/L (39410)	Hexachlorobenzene water unfltrd ug/L (39700)	Hexachlorocyclopentadiene, wat unf ug/L (34386)	Indeno-[1,2,3-cd]-pyrene, water, unfltrd ug/L (34403)	Isodrin surrog, Sch1398 wat unf percent recovry (90571)	Isophorone water unfltrd ug/L (34408)	Lindane water, unfltrd ug/L (39340)	Mirex, water, unfltrd ug/L (39755)
NOV													
21...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	72.6	<2	<.0020	<.002
DEC													
10...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	79.5	<2	<.0020	<.002
JAN													
06...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	76.9	<2	<.0020	<.002
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	72.7	<2	.0088	<.002
MAR													
11...	--	--	<.002	--	<.003	<.002	--	--	--	71.3	--	<.0020	<.002
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	62.7	<2	<.0020	<.002
MAY													
15...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	75.3	M	<.0020	<.002
JUN													
09...	<2	<2	<.002	<2	<.003	<.002	<2	<1mc	<3	60.3	M	<.0020	<.002
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	<2	<2	<.002	<2	<.003	<.002	<2	<1mc	<3	80.7	<2	<.0020	<.002
AUG													
14...	<2	<2	<.002	<2	<.003	<.002	<2	<1mc	<3	84.6	<2	<.0020	<.002
SEP													
11...	Mt	<2	--	Mt	--	--	<2	<1mc	<3	--	<2	--	--

02204750 ALMAND CREEK AT GA 20, NEAR CONYERS, GA—continued.

Date	Nitro-benzene water unfltrd ug/L (34447)	N-NItroso-di-methyl-amine, wat unf ug/L (34438)	N-NItroso-di-n-propyl-amine, wat unf ug/L (34428)	N-NItroso-di-phenyl-amine, wat unf ug/L (34433)	p,p'-DDD, water, unfltrd ug/L (39360)	p,p'-DDE, water, unfltrd ug/L (39365)	p,p'-DDT, water, unfltrd ug/L (39370)	p,p'-Meth-oxy-chlor, water, unfltrd ug/L (39480)	PCB 207, surrog, Sch1398 water, unfltrd pct rcv (99780)	PCBs, water, unfltrd ug/L (39516)	Penta-chloro-phenol, water, unfltrd ug/L (39032)	Phenan-threne, water, unfltrd ug/L (34461)	Phenol, water, unfltrd ug/L (34694)
NOV													
21...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	106	<.1	<2	<2	<3.0
DEC													
10...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	75.0	<.1	<2	<2	<3.0
JAN													
06...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	82.9	<.1	<2	<2	<3.0
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	75.8	<.1	<2	<2	E.1
MAR													
11...	--	--	--	--	<.002	<.002	<.002	<.003	79.3	<.1	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	73.2	<.1	<2	<2	E.2
MAY													
15...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	72.3	<.1	<2	<2	E1.4
JUN													
09...	<1	<3	<2	<2mc	<.002	<.002	<.002	<.003	75.9	<.1	<2mc	<2	E.2
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	<1	<3	<2	<2mc	<.002	<.002	<.002	<.003	79.6	<.1	<2mc	<2	<3.4
AUG													
14...	<1	<3	<2	<2mc	<.002	<.002	<.002	<.003	85.6	<.1	<2mc	<2	<3.4
SEP													
11...	<1	<3	<2	<2mc	--	--	--	--	--	--	<2mc	<2	E.7t

Date	Phenol-d5, surrog, Sched. 1383/85 wat unf pct rcv (90630)	Pyrene, water, unfltrd ug/L (34469)	Toxa-phene, water, unfltrd ug/L (39400)	Xylenes water unfltrd ug/L (81551)	1,1,1,2-Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)
NOV													
21...	55.4	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
DEC													
10...	50.3	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
JAN													
06...	51.3	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	29.5	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
MAR													
11...	--	--	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	30.0	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
MAY													
15...	56.8	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
JUN													
09...	56.3	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	55.9	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
AUG													
14...	44.2	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
SEP													
11...	58.5	Mt	--	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2

02204750 ALMAND CREEK AT GA 20, NEAR CONYERS, GA—continued.

Date	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloroethane-d4, sur Sch2090 wat unf pct rcv (99832)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)
NOV													
21...	<.2	<.2	<.2	<1	<.2	<.2	<.2	117	<.2	<.2	<.2	<.2	<.2
DEC													
10...	<.2	<.2	<.2	<1	<.2	<.2	<.2	120	<.2	<.2	<.2	<.2	<.2
JAN													
06...	<.2	<.2	<.2	<1	<.2	<.2	<.2	119	<.2	<.2	<.2	<.2	<.2
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<.2	<.2	<.2	<1	<.2	<.2	<.2	101	<.2	<.2	<.2	<.2	<.2
MAR													
11...	<.2	<.2	<.2	<1	<.2	<.2	<.2	97.2	<.2	<.2	<.2	<.2	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<.2	<.2	<.2	<1	<.2	<.2	<.2	115	<.2	<.2	<.2	<.2	<.2
MAY													
15...	<.2	<.2	<.2	<1	<.2	<.2	<.2	101	<.2	<.2	<.2	<.2	<.2
JUN													
09...	<.2	<.2	<.2	<1	<.2	<.2	<.2	120	<.2	<.2	<.2	<.2	<.2
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	<.2	<.2	<.2	<1	<.2	<.2	<.2	129	<.2	<.2	<.2	<.2	<.2
AUG													
14...	<.2	<.2	<.2	<1	<.2	<.2	<.2	111	<.2	<.2	<.2	<.2	<.2
SEP													
11...	<.2	<.2	<.2	<1	<.2	<.2	<.2	101	<.2	<.2	<.2	<.2	<.2

Date	14Bromofluorobenzene surrog. VOC Sch wat unf pct rcv (99834)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromomethane water unfltrd ug/L (34413)	Chlorobenzene water unfltrd ug/L (34301)	Chloroethane, water, unfltrd ug/L (34311)
NOV													
21...	90.8	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
DEC													
10...	92.5	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
JAN													
06...	101	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	.1	<.3	<.2	<.2
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	88.1	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
MAR													
11...	71.5	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	92.2	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
MAY													
15...	86.3	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
JUN													
09...	89.6	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	77.6	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	.1	<.3	<.2	<.2
AUG													
14...	88.0	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	.2	<.3	<.2	<.2
SEP													
11...	82.4	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	.1	<.3	<.2	<.2

02204750 ALMAND CREEK AT GA 20, NEAR CONYERS, GA—continued.

Date	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iso-propyl-benzene water unfltrd ug/L (77223)	Naphth-alene, water, unfltrd ug/L (34696)	n-Butyl benzene water unfltrd ug/L (77342)
NOV													
21...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
DEC													
10...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
JAN													
06...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
MAR													
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	--	<.2	<.5	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
MAY													
15...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
JUN													
09...	<.2mc	<.2	<.2	<.2	<.2	<.2mc	<.2	<.2	<.2	<2mc	<.2	<.5	<.2
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	<.2	<.2	<.2	.3	<.2	<.2	<.2	<.2	<.2	<2mc	<.2	<.5	<.2
AUG													
14...	<.2mc	<.2	<.2	.3	<.2	<.2mc	<.2	<.2	<.2	<2mc	<.2	<.5	<.2
SEP													
11...	<.2mc	<.2	<.2	E.2	<.2	<.2mc	<.2	<.2	<.2	<2mc	<.2	<.5	<.2

Date	n-propyl-benzene water unfltrd ug/L (77224)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Toluene water unfltrd ug/L (34010)	Toluene -d8, surrog, Sch2090 wat unf percent recovry (99833)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)
NOV													
21...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	86.3	<.2	<.2	<.2	<.2
DEC													
10...	<.2	<.2	<.2	E.1	<.2	<.2	<.2	<.2	85.7	<.2	<.2	<.2	<.2
JAN													
06...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	89.1	<.2	<.2	<.2	<.2
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	99.3	<.2	<.2	<.2	<.2
MAR													
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	94.1	<.2	<.2	<.2	<.2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
10...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	101	<.2	<.2	<.2	<.2
MAY													
15...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	95.8	<.2	<.2	<.2	<.2
JUN													
09...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	99.8	<.2	<.2	<.2	<.2
JUL													
01...	--	--	--	--	--	--	--	--	--	--	--	--	--
09...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	99.7	<.2	<.2	.3	<.2
AUG													
14...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	96.7	<.2	<.2	.3	<.2
SEP													
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	95.7	<.2	<.2	<.2	<.2

02204750 ALMAND CREEK AT GA 20, NEAR CONYERS, GA—continued.

Date	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	2Fluoro -bi- phenyl, surrog, bed sed <2 mm, pct rcv (49279)	Nitro-benzene -d5, surrog, bed sed <2 mm, pct rcv (49280)	Ter-phenyl-d14, surrog, bed sed <2 mm, pct rcv (49278)	Sampler type, code (84164)	Sam-pling method, code (82398)
NOV								
21...	<.2	<.2	<.2	88	92	28	3044	10
DEC								
10...	<.2	<.2	<.2	77	86	26	3070	30
JAN								
06...	<.2	<.2	<.2	83	85	26	3070	30
15...	--	--	--	--	--	--	3044	10
22...	--	--	--	--	--	--	3044	10
30...	--	--	--	--	--	--	3044	10
FEB								
11...	<.2	<.2	<.2	69	68	20	8010	30
MAR								
11...	<.2	<.2	<.2	--	--	--	8010	30
17...	--	--	--	--	--	--	3044	10
APR								
08...	--	--	--	--	--	--	3044	10
10...	<.2	<.2	<.2	59	65	33	8010	30
MAY								
15...	<.2	<.2	<.2	79	84	21	3044	10
JUN								
09...	<.2	<.2	<.2	68	70	30	3044	10
JUL								
01...	--	--	--	--	--	--	3044	10
09...	<.2	<.2	<.2	92	97	49	3044	10
AUG								
14...	<.2	.1	<.2	90	91	39	8010	30
SEP								
11...	<.2	.1	<.2	85	93	29	3044	10

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
c -- See laboratory comment
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
m -- Highly var comp using method, ? prec
n -- Below the NDV
o -- Result determined by alternate method
t -- Below the long-term MDL

02204752 SNAPPING SHOALS CREEK AT FLAT SHOALS ROAD, NEAR CONYERS, GA

LOCATION.—Lat 33°38'00", long 83°59'26" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103,

DRAINAGE AREA.—2.27 square miles, approximately.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.—June 2, 2003 (invertebrates) and June 12, 2003 (fishes).

REMARKS.—Data collection protocols used are from draft versions of the Standard Operating Procedures: Freshwater Macroinvertebrate Biological Assessment (Georgia Environmental Protection Division, 2002) and Standard Operating Procedures for Conducting Biomonitoring on Fish Communities in the Piedmont Ecoregion of Georgia (Georgia Department of Natural Resources, 2000). William Pennington and Associates of Cookeville, Tennessee identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 133 meters. Fish abbreviations: TL-total length in millimeters, SL-standard length in millimeters. Weight is measured in grams.

Invertebrates

Taxa	Abundance Multi-habitat	Visual
MOLLUSCA		
Gastropoda		
Physidae		
Physella sp.	0	2
Planorbidae		
Menetus dilatatus	0	1
ANNELIDA		
Oligochaeta		
Haplotaxida		
Lumbricidae	1	3
ARTHROPODA		
Crustacea		
Decapoda		
Cambaridae		
Cambarus sp.	1	0
INSECTA		
Ephemeroptera		
Baetidae		
Baetis sp.		
Baetis c.f. flavistriga	0	1
Odonata		
Aeshnidae	1	0
Coenagrionidae	0	4

02204752 SNAPPING SHOALS CREEK AT FLAT SHOALS ROAD, NEAR CONYERS, GA —continued.

Taxa	Abundance Multi-habitat	Visual
Argia sp.	2	7
Hemiptera		
Gerridae		
Aquarius sp.	0	2
Trichoptera		
Hydropsychidae	1	9
Cheumatopsyche sp.	4	2
Hydropsyche sp.	1	7
Hydropsyche betteni gp.	7	14
Coleoptera		
Elmidae		
Macronychus glabratus	1	1
Stenelmis sp.	2	0
Diptera		
Chironomidae	0	5
Ablabesmyia mallochi	5	0
Ablabesmyia rhamphe gp.	0	5
Brillia flavifrons	1	1
Chironomus sp.	13	0
Conchapelopia sp.	14	9
Parametriocnemus sp.	0	1
Paratendipes sp.	1	0
Phaenopsectra sp.	2	0
Polypedilum flavum	15	28
Polypedilum illinoense	84	28
Rheocricotopus robacki	1	0
Rheotanytarsus sp.	3	11
Smittia sp.	1	0
Stictochironomus devinctus	1	0
Tanytarsus sp.	1	1
Tvetenia bavarica gp.	0	1
Simuliidae		
Simulium sp.	59	30
CHORDATA		
Caudata	0	2

Fishes

Species	Common name	Count	TL	SL	Weight
Ameiurus brunneus	snail bullhead	1	142	115	29.4
Ameiurus natalis	yellow bullhead	1	122	182	165.0
Ameiurus natalis	yellow bullhead	1	123	103	23.4
Ameiurus natalis	yellow bullhead	1	139	114	33.7
Ameiurus natalis	yellow bullhead	1	142	117	38.2
Ameiurus natalis	yellow bullhead	1	156	130	47.8
Ameiurus natalis	yellow bullhead	1	165	137	59.5
Ameiurus natalis	yellow bullhead	1	188	156	84.9
Lepomis auritus	redbreast sunfish	1	86	61	12.0

02204752 SNAPPING SHOALS CREEK AT FLAT SHOALS ROAD, NEAR CONYERS, GA —continued.

Species	Common name	Count	TL	SL	Weight
Lepomis auritus	redbreast sunfish	1	111	78	18.2
Lepomis auritus	redbreast sunfish	1	112	85	24.0
Lepomis auritus	redbreast sunfish	1	163	129	94.0
Lepomis cyanellus	green sunfish	1	91	71	16.0
Lepomis cyanellus	green sunfish	1	116	93	30.0
Lepomis cyanellus	green sunfish	1	125	108	34.0
Lepomis cyanellus	green sunfish	1	127	111	38.0
Lepomis cyanellus	green sunfish	1	153	124	77.0
Lepomis cyanellus	green sunfish	1	158	130	90.0
Lepomis macrochirus	bluegill sunfish	1	34	26	0.5
Lepomis macrochirus	bluegill sunfish	1	37	30	0.7
Lepomis macrochirus	bluegill sunfish	1	41	33	0.8
Lepomis macrochirus	bluegill sunfish	1	43	34	1.2
Lepomis macrochirus	bluegill sunfish	1	44	35	1.0
Lepomis macrochirus	bluegill sunfish	1	45	36	1.2
Lepomis macrochirus	bluegill sunfish	1	45	35	1.2
Lepomis macrochirus	bluegill sunfish	1	45	37	0.8
Lepomis macrochirus	bluegill sunfish	1	45	35	1.2
Lepomis macrochirus	bluegill sunfish	1	46	36	1.3
Lepomis macrochirus	bluegill sunfish	1	46	36	1.4
Lepomis macrochirus	bluegill sunfish	1	48	38	1.5
Lepomis macrochirus	bluegill sunfish	1	48	37	1.5
Lepomis macrochirus	bluegill sunfish	1	49	38	1.5
Lepomis macrochirus	bluegill sunfish	1	49	38	1.5
Lepomis macrochirus	bluegill sunfish	1	49	39	1.7
Lepomis macrochirus	bluegill sunfish	1	49	39	1.6
Lepomis macrochirus	bluegill sunfish	1	49	38	1.7
Lepomis macrochirus	bluegill sunfish	1	50	40	1.5
Lepomis macrochirus	bluegill sunfish	1	50	39	1.6
Lepomis macrochirus	bluegill sunfish	1	50	40	1.6
Lepomis macrochirus	bluegill sunfish	1	50	39	1.5
Lepomis macrochirus	bluegill sunfish	1	50	40	1.5
Lepomis macrochirus	bluegill sunfish	1	51	40	1.6
Lepomis macrochirus	bluegill sunfish	1	52	40	1.7
Lepomis macrochirus	bluegill sunfish	1	53	40	1.6
Lepomis macrochirus	bluegill sunfish	1	53	46	2.4
Lepomis macrochirus	bluegill sunfish	1	55	43	2.1
Lepomis macrochirus	bluegill sunfish	1	56	44	2.2
Lepomis macrochirus	bluegill sunfish	1	57	45	2.3
Lepomis macrochirus	bluegill sunfish	1	57	45	1.9
Lepomis macrochirus	bluegill sunfish	1	57	45	2.3
Lepomis macrochirus	bluegill sunfish	1	57	45	2.6
Lepomis macrochirus	bluegill sunfish	1	58	46	2.8
Lepomis macrochirus	bluegill sunfish	1	59	47	2.6
Lepomis macrochirus	bluegill sunfish	1	59	45	2.3
Lepomis macrochirus	bluegill sunfish	1	59	45	3.1
Lepomis macrochirus	bluegill sunfish	1	60	48	2.5
Lepomis macrochirus	bluegill sunfish	1	60	47	2.8
Lepomis macrochirus	bluegill sunfish	1	60	47	2.7
Lepomis macrochirus	bluegill sunfish	1	61	48	2.9
Lepomis macrochirus	bluegill sunfish	1	61	45	3.2

02204752 SNAPPING SHOALS CREEK AT FLAT SHOALS ROAD, NEAR CONYERS, GA —continued.

Species	Common name	Count	TL	SL	Weight
Lepomis macrochirus	bluegill sunfish	1	62	48	2.6
Lepomis macrochirus	bluegill sunfish	1	62	48	3.2
Lepomis macrochirus	bluegill sunfish	1	62	46	3.4
Lepomis macrochirus	bluegill sunfish	1	63	49	3.6
Lepomis macrochirus	bluegill sunfish	1	63	50	3.2
Lepomis macrochirus	bluegill sunfish	1	65	52	3.7
Lepomis macrochirus	bluegill sunfish	1	65	42	3.3
Lepomis macrochirus	bluegill sunfish	1	65	50	4.3
Lepomis macrochirus	bluegill sunfish	1	66	50	3.6
Lepomis macrochirus	bluegill sunfish	1	67	53	3.4
Lepomis macrochirus	bluegill sunfish	1	68	54	3.9
Lepomis macrochirus	bluegill sunfish	1	68	51	4.4
Lepomis macrochirus	bluegill sunfish	1	69	54	4.7
Lepomis macrochirus	bluegill sunfish	1	76	57	6.9
Lepomis macrochirus	bluegill sunfish	1	78	62	6.2
Lepomis macrochirus	bluegill sunfish	1	83	62	9.9
Lepomis macrochirus	bluegill sunfish	1	86	64	12.0
Lepomis macrochirus	bluegill sunfish	1	87	66	15.0
Lepomis macrochirus	bluegill sunfish	1	92	74	15.0
Lepomis macrochirus	bluegill sunfish	1	95	71	12.6
Lepomis macrochirus	bluegill sunfish	1	100	75	16.0
Lepomis macrochirus	bluegill sunfish	1	111	83	19.6
Lepomis macrochirus	bluegill sunfish	1	115	77	19.7
Lepomis macrochirus	bluegill sunfish	1	123	94	33.0
Lepomis macrochirus	bluegill sunfish	1	125	97	38.4
Lepomis macrochirus	bluegill sunfish	1	138	109	51.0
Lepomis macrochirus	bluegill sunfish	1	138	107	53.0
Lepomis macrochirus	bluegill sunfish	1	159	122	86.0
Micropterus salmoides	largemouth bass	1	36	29	0.5
Micropterus salmoides	largemouth bass	1	40	34	0.6
Micropterus salmoides	largemouth bass	1	92	76	8.1
Nocomis leptocephalus	bluehead chub	1	59	49	2.2
Nocomis leptocephalus	bluehead chub	1	65	54	3.1
Nocomis leptocephalus	bluehead chub	1	117	99	21.2
Nocomis leptocephalus	bluehead chub	1	122	103	22.4
Nocomis leptocephalus	bluehead chub	1	132	116	33.2
Nocomis leptocephalus	bluehead chub	1	139	118	36.5
Notemigonus crysoleucas	golden shiner	1	83	67	5.1
Notropis lutipinnis	yellowfin shiner	1	52	42	1.2
Notropis lutipinnis	yellowfin shiner	1	53	43	1.5
Notropis lutipinnis	yellowfin shiner	1	54	43	1.6
Notropis lutipinnis	yellowfin shiner	1	58	49	2.0
Notropis lutipinnis	yellowfin shiner	1	59	48	1.8
Notropis lutipinnis	yellowfin shiner	1	68	57	3.2

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA

LOCATION.—Lat 33°35'25", long 83°59'32" referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit 03070103, on upstream side of bridge on Honey Creek Road, 1.4 miles east of GA 20, 1.5 miles west of Pace, and 6.0 miles south of Conyers.

DRAINAGE AREA.—15.1 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—November 21, 2002, to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses of biological oxygen demand are by the U.S. Geological Survey, Ocala Water-Quality and Resource Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Missouri District Laboratory and the Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, percent of saturation (00301)	Dissolved oxygen, mg/L (00300)
NOV													
21...	1100	80020	3.54	21	15	10	6.5	7.5	148	148	737	94	9.5
DEC													
09...	1240	80020	3.36	12	8.0	6.8	6.7	7.0	130	126	755	97	11.2
JAN													
06...	1440	80020	3.49	18	10	--	6.6	--	96	--	749	102	11.7
22...	1245	80020	3.83	35	37	31	6.7	7.3	93	96	740	90	10.3
30...	1145	80020	4.84	88	120	69	5.8	7.4	67	69	754	90	10.3
FEB													
11...	1215	80020	3.77	32	19	--	6.4	--	97	--	751	91	10.7
MAR													
06...	1245	80020	8.63	606	220	140	5.9	7.2	41	43	743	99	10.1
11...	1515	80020	4.00	44	15	--	6.3	--	101	--	748	103	10.4
APR													
08...	1115	80020	3.94	41	32	20	6.1	7.8	73	75	743	93	9.2
10...	1230	80020	3.80	34	19	--	6.2	--	102	--	737	93	9.7
MAY													
15...	0945	80020	5.74	127	200	180	6.4	7.2	56	56	746	94	8.7
22...	0940	80020	8.71	635	250	160	6.6	7.3	32	36	--	--	--
JUN													
11...	1105	80020	3.75	31	19	--	6.6	--	102	--	750	94	8.2
25...	1000	80020	3.63	25	13	--	6.8	--	101	--	748	--	--
JUL													
15...	1000	80020	3.86	37	25	18	6.6	7.5	71	70	748	117	9.9
AUG													
19...	0905	80020	3.44	16	9.9	--	6.8	--	147	--	749	--	--
SEP													
08...	0925	80020	3.24	12	9.4	8.1	6.7	7.5	116	114	745	83	7.5

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA.—continued.

Date	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, fltrd, mg/L (71846)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)
NOV													
21...	13.2	--	.43	.225	.29	1.31	.20	--	E.004	.054	1.7	--	.9
DEC													
09...	8.6	--	.60	.377	.49	1.90	.22	--	E.006	.069	2.5	3.0	.7
JAN													
06...	8.6	--	--	--	--	--	--	--	--	--	--	--	--
22...	10.4	--	.77	.350	.45	1.53	.42	.031	.010	.162	2.3	4.7	2.0
30...	9.0	--	.84	.156	.20	.674	.68	--	E.005	.25	1.5	7.6	2.8
FEB													
11...	8.0	9.8	--	--	--	--	--	--	--	--	--	--	--
MAR													
06...	13.2	15.8	.81	.083	.11	.346	.73	--	E.006	.20	1.2	8.6	1.6
11...	14.0	19.4	--	--	--	--	--	--	--	--	--	--	--
APR													
08...	14.7	13.0	.43	.150	.19	.716	.29	--	E.006	.067	1.2	4.3	1.4
10...	11.9	7.8	--	--	--	--	--	--	--	--	--	--	--
MAY													
15...	17.8	18.4	1.1	.172	.22	.570	.97	.025	.008	.31	1.7	E9.5	3.8
22...	--	--	.88	.069	.09	.226	.81	.021	.007	.200	1.1	10.5	2.6
JUN													
11...	21.5	33.0	--	--	--	--	--	--	--	--	--	--	--
25...	23.0	23.6	--	--	--	--	--	--	--	--	--	--	<.1
JUL													
15...	22.5	24.9	.32	.049	.06	.874	.28	--	E.004	.056	1.2	3.4	.7
AUG													
19...	23.0	26.0	--	--	--	--	--	--	--	--	--	--	--
SEP													
08...	19.7	20.9	.44	.186	.24	2.19d	.25	--	<.007	.060	2.6	2.4	.7

Date	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Chlorophyll b phytoplankton, fluoro, ug/L (70954)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	1,2-Diphenylhydrazine, water, unfltrd ug/L (82626)	246-Tribromophenol, sur Sch 1383/85 wat unf pct rcv (90652)
NOV													
21...	E.4	<.1	21	6.40	1.31	E1.0	.19	12	--	--	--	<1	80.0
DEC													
09...	E.2	<.1	23	6.87	1.36	E.9	.23	12	--	--	--	<1	77.1
JAN													
06...	--	--	--	--	--	--	--	--	--	--	--	<1	82.8
22...	1.6	E.1	18	5.23	1.09	E1.2	.11	11	--	--	--	--	--
30...	1.2	<.1	13	3.70	.811	E1.0	.15	10	--	--	--	--	--
FEB													
11...	--	--	--	--	--	--	--	--	--	--	--	<1	47.0
MAR													
06...	2.4	<.1	9	2.43	.597	1.5	.22	9	118	193	82	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	<1	72.0
APR													
08...	E.9	<.1	14	4.11	.974	E.8	.17	7	39	4.3	69	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	<1	75.3
MAY													
15...	E1.1	<.1	13	3.90	.882	E.6	.37	8	187	64	79	<1	77.7
22...	--	--	8	2.40	.603	E1.0	.26	7	198	340	70	--	--
JUN													
11...	--	--	--	--	--	--	--	--	--	--	--	<1	65.9
25...	.6	<.1	--	--	--	--	--	--	73	5.0	86	--	--
JUL													
15...	1.2	<.1	18	5.25	1.14	E.8	.09	3	16	1.6	90	<1	83.7
AUG													
19...	--	--	--	--	--	--	--	--	--	--	--	<1	85.3
SEP													
08...	E.5	<.1	20	5.72	1.32	.9	.08	3	7	.25	77	<1	81.0

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA.—continued.

Date	2,4,6-Tri-chloro-phenol, water, unfltrd ug/L (34621)	2,4-Di-chloro-phenol, water, unfltrd ug/L (34601)	2,4-Di-methyl-phenol, water, unfltrd ug/L (34606)	2,4-Di-nitro-phenol, water, unfltrd ug/L (34616)	2,4-Di-nitro-toluene water unfltrd ug/L (34611)	2,6-Di-nitro-toluene water unfltrd ug/L (34626)	2-Chloro-naphth-alene, water, unfltrd ug/L (34581)	2-chloro-phenol, water, unfltrd ug/L (34586)	2-Methyl-4,6-di-nitro-phenol, wat unf ug/L (34657)	2-nitro-phenol, water unfltrd ug/L (34591)	3,3'-Di chloro-benzi-dine, water, unfltrd ug/L (34631)	4-Bromo-phenyl phenyl ether, wat unf ug/L (34636)	4-Chloro-3-methyl-phenol, wat unf ug/L (34452)
NOV													
21...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
DEC													
09...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
JAN													
06...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
FEB													
11...	M	M	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
MAR													
11...	M	M	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
APR													
10...	M	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
MAY													
15...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
JUN													
11...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2	<1	<.9	<2	<3
JUL													
15...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2mc	<1	<.9mc	<2	<3
AUG													
19...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2mc	<1	<.9mc	<2	<3
SEP													
08...	<3	<2	<2.0	<3	<3	<2	<2	<2	<2mc	<1	<.9mc	<2	<3

Date	4-Chloro-phenyl phenyl ether, wat unf ug/L (34641)	4-Nitro-phenol, water, unfltrd ug/L (34646)	9H-Fluor-ene, water, unfltrd ug/L (34381)	Ace-naphth-ene, water, unfltrd ug/L (34205)	Ace-naphth-ylene, water, unfltrd ug/L (34200)	Aldrin, water, unfltrd ug/L (39330)	alpha-Endo-sulfan, water, unfltrd ug/L (39388)	alpha-HCH-d6, surrog, Sch1398 water, unfltrd pct rcv (99777)	Anthra-cene, water, unfltrd ug/L (34220)	Benzi-dine, water, unfltrd ug/L (39120)	Benzo-[a]-anthra-cene, water, unfltrd ug/L (34526)	Benzo-[a]-pyrene, water, unfltrd ug/L (34247)	Benzo-[b]-fluor-anthene water unfltrd ug/L (34230)
NOV													
21...	<2	<4	<2	<2	<2	<.002	<.002	129	<2	<1000	<2	<1	<2
DEC													
09...	<2	<4	<2	<2	<2	<.002	<.002	88.4	<2	<1000	<2	<1	<2
JAN													
06...	<2	<4	<2	<2	<2	<.002	<.002	78.4	<2	<1000	<2	<1	<2
FEB													
11...	<2	<4	<2	<2	<2	<.002	<.002	70.0	<2	<1000	<2	<1	<2
MAR													
11...	<2	<4	<2	<2	<2	<.002	<.002	69.2	<2	<1000	<2	<1	<2
APR													
10...	<2	<4	<2	<2	<2	<.002	<.002	79.9	<2	<1000	<2	<1	<2
MAY													
15...	<2	<4	<2	<2	<2	<.002	<.002	36.9	<2	<1000	<2	M	M
JUN													
11...	<2	<4	<2	<2	<2	<.002	<.002	42.4	<2	<1000	<2	<1	<2
JUL													
15...	<2	<4mc	<2	<2	<2	<.002	<.002	59.5	<2	<1000mc	<2	<1	<2
AUG													
19...	<2	<4mc	<2	<2	<2	<.002	<.002	49.7	<2	<1000mc	<2	<1	<2
SEP													
08...	<2	<4mc	<2	<2	<2	.002	M	62.1	<2	<1000mc	<2	<1	<2

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA.—continued.

Date	Benzo-[g,h,i]-perylene, water, unfltrd ug/L (34521)	Benzo-[k]-fluoranthene water unfltrd ug/L (34242)	Benzyl n-butyl phthalate, water, unfltrd ug/L (34292)	Bis(2-chloroethoxy) methane water unfltrd ug/L (34278)	Bis(2-chloroethyl) ether, water, unfltrd ug/L (34273)	Bis(2-chloroisopropyl) ether, wat unf ug/L (34283)	Bis(2-ethylhexyl) phthalate, wat unf ug/L (39100)	Chlordane, technical, water, unfltrd ug/L (39350)	Chrysene, water, unfltrd ug/L (34320)	Dibenzo-[a,h]-anthracene, wat unf ug/L (34556)	Dieldrin, water, unfltrd ug/L (39380)	Diethyl phthalate, water, unfltrd ug/L (34336)	Dimethyl phthalate, water, unfltrd ug/L (34341)
NOV													
21...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
DEC													
09...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
JAN													
06...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
FEB													
11...	<2	<1	<2	<3	<2	<2	<3	<.1	<3	<1	<.002	<2	<1
MAR													
11...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
APR													
10...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
MAY													
15...	M	M	<2	<3	<2	<2	M	<.1	M	<1	<.002	<2	<1
JUN													
11...	<2	<1	M	<3	<2	<2	E9	<.1	<3	<1	<.002	<2	<1
JUL													
15...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
AUG													
19...	<2	<1	<2	<3	<2	<2	<2	<.1	<3	<1	<.002	<2	<1
SEP													
08...	<2	<1	<2	<3	<2	<2	<2	--	<3	<1	--	<2	<1

Date	Di-n-butyl phthalate, water, unfltrd ug/L (39110)	Di-n-octyl phthalate, water, unfltrd ug/L (34596)	Endrin, water, unfltrd ug/L (39390)	Fluoranthene water unfltrd ug/L (34376)	Heptachlor epoxide water unfltrd ug/L (39420)	Heptachlor, water, unfltrd ug/L (39410)	Hexachlorobenzene water unfltrd ug/L (39700)	Hexachlorocyclopentadiene, wat unf ug/L (34386)	Indeno-[1,2,3-cd]-pyrene, water, unfltrd ug/L (34403)	Isodrin surrog, Sch1398 wat unf percent recovry (90571)	Isophorone water unfltrd ug/L (34408)	Lindane water, unfltrd ug/L (39340)	Mirex, water, unfltrd ug/L (39755)
NOV													
21...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	76.0	<2	<.0020	<.002
DEC													
09...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	85.7	<2	<.0020	<.002
JAN													
06...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	75.5	<2	<.0020	<.002
FEB													
11...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	71.6	M	.0038	<.002
MAR													
11...	<2	<2	<.002	M	<.003	<.002	<2	<1	<3	64.9	<2	<.0020	<.002
APR													
10...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	60.4	<2	<.0020	<.002
MAY													
15...	<2	<2	<.002	<2	<.003	<.002	<2	<1	M	73.5	M	<.0020	<.002
JUN													
11...	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3	80.2	<2	<.0020	<.002
JUL													
15...	<2	<2	<.002	M	<.003	<.002	<2	<1mc	<3	94.7	<2	<.0020	<.002
AUG													
19...	<2	<2	<.002	<2	<.003	<.002	<2	<1mc	<3	72.8	<2	<.0020	<.002
SEP													
08...	<2	<2	--	<2	--	--	<2	<1mc	<3	--	<2	--	--

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA.—continued.

Date	Nitro-benzene water unfltrd ug/L (34447)	N-NItroso-di-methyl-amine, wat unf ug/L (34438)	N-NItroso-di-n-propyl-amine, wat unf ug/L (34428)	N-NItroso-di-phenyl-amine, wat unf ug/L (34433)	p,p'-DDD, water, unfltrd ug/L (39360)	p,p'-DDE, water, unfltrd ug/L (39365)	p,p'-DDT, water, unfltrd ug/L (39370)	p,p'-Meth-oxy-chlor, water, unfltrd ug/L (39480)	PCB 207, surrog, Sch1398 water, unfltrd pct rcv (99780)	PCBs, water, unfltrd ug/L (39516)	Penta-chloro-phenol, water, unfltrd ug/L (39032)	Phenan-threne, water, unfltrd ug/L (34461)	Phenol, water, unfltrd ug/L (34694)
NOV													
21...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	110	<.1	<2	<2	<3.0
DEC													
09...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	80.8	<.1	<2	<2	<3.0
JAN													
06...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	84.7	<.1	<2	<2	E2.2
FEB													
11...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	73.2	<.1	<2	<2	E.2
MAR													
11...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	69.2	<.1	<2	<2	E.1
APR													
10...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	78.2	<.1	<2	<2	E.4
MAY													
15...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	70.5	<.1	<2	<2	E.4
JUN													
11...	<1	<3	<2	<2	<.002	<.002	<.002	<.003	79.3	<.1	<2	<2	E.2
JUL													
15...	<1	<3	<2	<2mc	<.002	<.002	<.002	<.003	91.2	<.1	<2mc	<2	<3.4
AUG													
19...	<1	<3	<2	<2mc	<.002	<.002	<.002	<.003	74.8	<.1	<2mc	<2	E.6t
SEP													
08...	<1	<3	<2	<2mc	--	--	--	--	--	--	<2mc	<2	<3.4

Date	Phenol-d5, surrog, Sched. 1383/85 wat unf pct rcv (90630)	Pyrene, water, unfltrd ug/L (34469)	Toxa-phene, water, unfltrd ug/L (39400)	Xylenes water unfltrd ug/L (81551)	1,1,1,2-Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)
NOV													
21...	53.0	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
DEC													
09...	51.0	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
JAN													
06...	58.8	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FEB													
11...	33.3	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
MAR													
11...	49.8	M	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
APR													
10...	43.5	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
MAY													
15...	51.6	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
JUN													
11...	48.0	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
JUL													
15...	46.7	M	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
AUG													
19...	71.1	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
SEP													
08...	47.9	<2	--	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA.—continued.

Date	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichloroethane water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloroethane-d4, sur Sch2090 wat unf pct rcv (99832)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)
NOV													
21...	<.2	<.2	<.2	<1	<.2	<.2	<.2	113	<.2	<.2	<.2	<.2	<.2
DEC													
09...	<.2	<.2	<.2	<1	<.2	<.2	<.2	113	<.2	<.2	<.2	<.2	<.2
JAN													
06...	<.2	<.2	<.2	<1	<.2	<.2	<.2	116	<.2	<.2	<.2	<.2	<.2
FEB													
11...	<.2	<.2	<.2	<1	<.2	<.2	<.2	102	<.2	<.2	<.2	<.2	<.2
MAR													
11...	<.2	<.2	<.2	<1	<.2	<.2	<.2	100	<.2	<.2	<.2	<.2	<.2
APR													
10...	<.2	<.2	<.2	<1	<.2	<.2	<.2	116	<.2	<.2	<.2	<.2	<.2
MAY													
15...	<.2	<.2	<.2	<1	<.2	<.2	<.2	101	<.2	<.2	<.2	<.2	<.2
JUN													
11...	<.2	<.2	<.2	<1	<.2	<.2	<.2	117	<.2	<.2	<.2	<.2	<.2
JUL													
15...	<.2	<.2	<.2	<1	<.2	<.2	<.2	115	<.2	<.2	<.2	<.2	<.2
AUG													
19...	<.2	<.2	<.2	<1	<.2	<.2	<.2	113	<.2	<.2	<.2	<.2	<.2
SEP													
08...	<.2	<.2	<.2	<1	<.2	<.2	<.2	98.8	<.2	<.2	<.2	<.2	<.2

Date	14Bromofluorobenzene surrog. VOC Sch wat unf pct rcv (99834)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromomethane water unfltrd ug/L (34413)	Chlorobenzene water unfltrd ug/L (34301)	Chloroethane, water, unfltrd ug/L (34311)
NOV													
21...	86.9	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
DEC													
09...	95.2	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
JAN													
06...	99.1	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
FEB													
11...	87.5	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
MAR													
11...	72.3	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
APR													
10...	92.9	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
MAY													
15...	86.5	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
JUN													
11...	88.4	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
JUL													
15...	96.1	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
AUG													
19...	84.1	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2
SEP													
08...	82.2	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2	<.2	<.3	<.2	<.2

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA.—continued.

Date	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iso-propyl-benzene water unfltrd ug/L (77223)	Naphth-alene, water, unfltrd ug/L (34696)	n-Butyl benzene water unfltrd ug/L (77342)
NOV													
21...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
DEC													
09...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
JAN													
06...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
FEB													
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
MAR													
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
APR													
10...	E.1	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
MAY													
15...	<.2	<.2	<.2	<.2	<.2	<.2	.3	<.2	<.2	<2	<.2	<.5	<.2
JUN													
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2	<.2	<.5	<.2
JUL													
15...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<2mc	<.2	<.5	<.2
AUG													
19...	<.2mc	<.2	<.2	<.2	<.2	<.2mc	<.2	<.2	<.2	<2mc	<.2	<.5	<.2
SEP													
08...	<.2mc	<.2	<.2	<.2	<.2	<.2mc	<.2	<.2	<.2	<2mc	<.2	<.5	<.2

Date	n-propyl-benzene water unfltrd ug/L (77224)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Toluene water unfltrd ug/L (34010)	Toluene -d8, surrog, Sch2090 wat unf percent recovry (99833)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)
NOV													
21...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	85.8	<.2	<.2	<.2	<.2
DEC													
09...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	86.3	<.2	<.2	<.2	<.2
JAN													
06...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	87.0	<.2	<.2	<.2	<.2
FEB													
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	101	<.2	<.2	<.2	<.2
MAR													
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	95.4	<.2	<.2	<.2	<.2
APR													
10...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	103	<.2	<.2	<.2	<.2
MAY													
15...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	96.3	<.2	<.2	<.2	<.2
JUN													
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	98.8	<.2	<.2	<.2	<.2
JUL													
15...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	97.7	<.2	<.2	<.2	<.2
AUG													
19...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	95.6	<.2	<.2	<.2	<.2
SEP													
08...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	100	<.2	<.2	<.2	<.2

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA.—continued.

Date	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	2Fluoro-bi-phenyl, surrog, bed sed <2 mm, pct rcv (49279)	Nitro-benzene-d5, surrog, bed sed <2 mm, pct rcv (49280)	Ter-phenyl-d14, surrog, bed sed <2 mm, pct rcv (49278)	Sampler type, code (84164)	Sam-pling method, code (82398)
NOV								
21...	<.2	<.2	<.2	83	86	42	3044	10
DEC								
09...	<.2	<.2	<.2	79	87	29	3044	10
JAN								
06...	<.2	<.2	<.2	87	92	25	3070	30
22...	--	--	--	--	--	--	3044	10
30...	--	--	--	--	--	--	3044	10
FEB								
11...	<.2	<.2	<.2	84	84	29	8010	30
MAR								
06...	--	--	--	--	--	--	3052	10
11...	<.2	<.2	<.2	75	78	24	8010	30
APR								
08...	--	--	--	--	--	--	3044	10
10...	<.2	<.2	<.2	79	84	41	8010	30
MAY								
15...	<.2	<.2	<.2	74	79	19	3044	10
22...	--	--	--	--	--	--	3052	10
JUN								
11...	<.2	<.2	<.2	66	74	37	8010	30
25...	--	--	--	--	--	--	3044	10
JUL								
15...	<.2	<.2	<.2	88	90	53	3044	10
AUG								
19...	<.2	.4	<.2	87	86	35	8010	30
SEP								
08...	<.2	<.2	<.2	83	86	50	3044	10

Remark codes used in this report:
  < -- Less than
  E –- Estimated value
  M – Presence verified, not quantified.
Value qualifier codes used in this report:
  C –See laboratory comment
  D – Diluted sample: method hi range exceeded
  M – Highly variable comp using method, ? prec
  T – Below the long-term MDL

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA

LOCATION.—Lat 33°35'25", long 83°59'32" referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit 03070103,

DRAINAGE AREA.—16.9 square miles, approximately.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.—June 5, 2003 (invertebrates) and June 23, 2003 (fishes).

REMARKS.—Data collection protocols used are from draft versions of the Standard Operating Procedures: Freshwater Macroinvertebrate Biological Assessment (Georgia Environmental Protection Division, 2002) and Standard Operating Procedures for Conducting Biomonitoring on Fish Communities in the Piedmont Ecoregion of Georgia (Georgia Department of Natural Resources, 2000). William Pennington and Associates of Cookeville, Tennessee identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 273 meters. Fish abbreviations: TL-total length in millimeters, SL-standard length in millimeters. Weight is measured in grams.

Invertebrates

Taxa	Abundance Multi-habitat	Visual
ARTHROPODA		
Crustacea		
Amphipoda		
Talitridae		
Hyalella azteca	0	3
Decapoda		
Cambaridae	1	3
INSECTA		
Ephemeroptera		
Baetidae		
Baetis c.f. flavistriga	1	0
Baetis intercalaris	3	0
Centroptilum sp.	0	4
Pseudocloeon sp.	4	0
Heptageniidae		
Stenonema sp.	6	4
Odonata		
Aeshnidae		
Boyeria vinosa	5	1
Coenagrionidae		
Argia sp.	2	1
Gomphidae		
Progomphus obscurus	1	2

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA —continued.

Taxa	Abundance Multi-habitat	Visual
Megaloptera		
Corydalidae		
Nigronia serricornis	2	3
Trichoptera		
Hydropsychidae	1	18
Cheumatopsyche sp.	279	149
Hydropsyche sp.	2	0
Hydropsyche betteni gp.	20	31
Philopotamidae		
Chimarra sp.	1	0
Psychomyiidae		
Lype diversa	2	0
Coleoptera		
Elmidae		
Ancyronyx variegata	8	6
Macronychus glabratus	2	3
Diptera		
Chironomidae	3	12
Brillia flavifrons	50	66
Conchapelopia sp.	12	6
Polypedilum fallax	0	6
Polypedilum flavum	50	61
Polypedilum illinoense	18	25
Rheocricotopus robacki	7	6
Rheotanytarsus sp.	53	235
Robackia demeijerei	8	0
Stenochironomus sp.	1	0
Thienemanniella xena	1	3
Tvetenia bavarica gp.	0	3
Xylotopus par	1	0
Empididae		
Hemerodromia sp.	2	1
Simuliidae		
Simulium sp.	154	53

Fishes

Species	Common name	Count	TL	SL	Weight
Ameiurus nebulosus	brown bullhead	1	386	335	NA
Ameiurus nebulosus	brown bullhead	1	398	350	NA
Lepomis auritus	redbreast sunfish	1	63	50	3.8
Lepomis auritus	redbreast sunfish	1	104	84	21.0
Lepomis auritus	redbreast sunfish	1	112	90	26.0
Lepomis auritus	redbreast sunfish	1	118	96	31.0
Lepomis auritus	redbreast sunfish	1	130	116	36.0
Lepomis auritus	redbreast sunfish	1	163	137	95.0
Lepomis macrochirus	bluegill sunfish	1	43	34	1.1
Lepomis macrochirus	bluegill sunfish	1	48	39	1.6

02204770 SNAPPING SHOALS CREEK AT HONEY CREEK ROAD, NEAR CONYERS, GA —continued.

Species	Common name	Count	TL	SL	Weight
Lepomis macrochirus	bluegill sunfish	1	49	39	1.6
Lepomis macrochirus	bluegill sunfish	1	50	39	2.0
Lepomis macrochirus	bluegill sunfish	1	50	39	1.7
Lepomis macrochirus	bluegill sunfish	1	51	39	2.0
Lepomis macrochirus	bluegill sunfish	1	52	40	2.1
Lepomis macrochirus	bluegill sunfish	1	55	44	2.5
Lepomis macrochirus	bluegill sunfish	1	57	45	3.0
Lepomis macrochirus	bluegill sunfish	1	57	45	2.6
Lepomis macrochirus	bluegill sunfish	1	57	44	2.3
Lepomis macrochirus	bluegill sunfish	1	61	47	3.7
Lepomis macrochirus	bluegill sunfish	1	61	48	4.0
Lepomis macrochirus	bluegill sunfish	1	64	49	3.5
Lepomis macrochirus	bluegill sunfish	1	64	50	3.2
Lepomis macrochirus	bluegill sunfish	1	67	50	4.4
Lepomis macrochirus	bluegill sunfish	1	70	56	4.9
Lepomis macrochirus	bluegill sunfish	1	70	56	5.3
Lepomis macrochirus	bluegill sunfish	1	75	60	7.2
Lepomis macrochirus	bluegill sunfish	1	75	58	6.9
Lepomis macrochirus	bluegill sunfish	1	77	61	7.8
Lepomis macrochirus	bluegill sunfish	1	77	59	7.0
Lepomis macrochirus	bluegill sunfish	1	79	62	8.0
Lepomis macrochirus	bluegill sunfish	1	82	54	8.9
Lepomis macrochirus	bluegill sunfish	1	84	66	9.5
Lepomis macrochirus	bluegill sunfish	1	85	67	11.0
Lepomis macrochirus	bluegill sunfish	1	85	66	10.9
Lepomis macrochirus	bluegill sunfish	1	96	77	15.0
Lepomis macrochirus	bluegill sunfish	1	100	79	17.0
Lepomis macrochirus	bluegill sunfish	1	103	86	20.0
Lepomis macrochirus	bluegill sunfish	1	107	84	22.0
Lepomis macrochirus	bluegill sunfish	1	109	86	21.0
Lepomis macrochirus	bluegill sunfish	1	114	91	24.0
Lepomis macrochirus	bluegill sunfish	1	118	94	28.0
Lepomis macrochirus	bluegill sunfish	1	127	104	38.0
Lepomis microlophus	redear sunfish	1	60	48	3.1
Moxostoma sp. cf. anisurum	“silver redhorse”	1	310	NA	NA
Nocomis leptocephalus	bluehead chub	1	67	56	4.1
Nocomis leptocephalus	bluehead chub	1	116	99	19.0
Nocomis leptocephalus	bluehead chub	1	118	97	20.0
Nocomis leptocephalus	bluehead chub	1	131	109	30.0
Nocomis leptocephalus	bluehead chub	1	137	120	34.0
Nocomis leptocephalus	bluehead chub	1	140	116	37.0
Nocomis leptocephalus	bluehead chub	1	160	NA	NA
Notropis lutipinnis	yellowfin shiner	1	57	46	2.3
Notropis lutipinnis	yellowfin shiner	1	67	56	3.9
Notropis lutipinnis	yellowfin shiner	1	70	59	4.5
Percina nigrofasciata	blackbanded darter	1	92	80	9.5
Scartomyzon rupiscartes	striped jumprock	1	206	177	104.2

ALTAMAHA RIVER BASIN
2003 Water Year

02205000 WILDCAT CREEK NEAR LAWRENCEVILLE, GA

LOCATION.—Lat 34°00'07", long 84°00'18" referenced to North American Datum (NAD) of 1983, Gwinnett County, Hydrologic Unit 03070103, at culvert on Russell Road, 3.3 miles north of Lawrenceville.

DRAINAGE AREA.—1.59 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1954 to 1982 (operated as a continuous-record gaging station at a different datum), 1983 to 1984 (operated at a different datum), 1996 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 967.55 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 8.20 feet, May 6, 1956
DISCHARGE: 806 cfs, May 6, 1956

MAXIMUM FOR CURRENT YEAR.—
STAGE: 4.94 feet, July 4
DISCHARGE: 607 cfs, July 4

MAXIMUM FOR 2001 WATER YEAR YEAR.—
STAGE: <3.66 feet, Not determined, peak below bottom of gage
DISCHARGE: <323 cfs, Not determined, peak below bottom of gage

MAXIMUM FOR 2002 WATER YEAR YEAR.—
STAGE: <3.66 feet, Not determined, peak below bottom of gage
DISCHARGE: <323 cfs, Not determined, peak below bottom of gage

ALTAMAHA RIVER BASIN
2003 Water Year

02205230 WOLF CREEK AT DEAN ROAD, NEAR SUWANEE, GA

LOCATION.—Lat 34°00'04", long 84°02'57" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Dean Road, 3.8 miles south of Suwanee.

DRAINAGE AREA.—0.39 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1987 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 900.00 feet (revised) above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 8.47 feet, October 5, 1995
DISCHARGE: 220 cfs, October 5, 1995

MAXIMUM FOR CURRENT YEAR.—
STAGE: 8.39 feet, June 16
DISCHARGE: 217 cfs, June 16

ALTAMAHA RIVER BASIN
2003 Water Year

02205500 PEW CREEK NEAR LAWRENCEVILLE, GA

LOCATION.—Lat 33°56'05", long 84°01'00" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Johnson Road, 2.2 miles southwest of Lawrenceville.

DRAINAGE AREA.—2.23 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1954 to 1963 (at a different datum), 1995 to current year.

GAGE.--Crest-stage partial-record gage. Datum of gage is 930.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from barometer).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—

STAGE: 13.39 feet, October 5, 1995
DISCHARGE: 2,440 cfs, October 5, 1995

MAXIMUM FOR CURRENT YEAR.—

STAGE: >10.63 feet, June 17, Not determined, gage was overtopped
DISCHARGE: >1,660 cfs, June 17, Not determined, gage was overtopped

ALTAMAHA RIVER BASIN
2003 Water Year

02205596 YELLOW RIVER TRIBUTARY AT PLANTATION ROAD, NEAR LAWRENCEVILLE, GA

LOCATION.—Lat 33°54'45", long 84°02'45" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Plantation Road, 4.5 miles southwest of Lawrenceville.

DRAINAGE AREA.—7.23 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1994 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 850.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 10.11 feet, April 9, 1998
DISCHARGE: 1,220 cfs, April 9, 1998

MAXIMUM FOR CURRENT YEAR.—
STAGE: 8.95 feet, June 17
DISCHARGE: 981 cfs, June 17

ALTAMAHA RIVER BASIN
2003 Water Year

02206000 SHETLEY CREEK NEAR NORCROSS, GA

LOCATION.—Lat 33°57'20", long 84°09'40" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at bridge on Old Norcross Road, 2.8 miles northeast of Norcross.

DRAINAGE AREA.—0.98 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-STAGE RECORDS

PERIOD OF RECORD.—1954 to 1963 as a continuous gage, 1995 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 890.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). Prior to 1995 gage was at a different datum.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. The date of the maximum stage is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum stage for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—

STAGE: 10.4 feet, February 21, 1961 (from floodmark at different datum)
DISCHARGE: 2,320 cfs, February 21, 1961 (from floodmark at different datum)

MAXIMUM FOR CURRENT YEAR.—

STAGE: 5.89 feet, June 17

ALTAMAHA RIVER BASIN
2003 Water Year

02206105 JACKSON CREEK AT ANGELS LANE, NEAR LILBURN, GA

LOCATION.—Lat 33°53'12", long 84°12'42" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Angel's Lane, 4.2 miles west of Lilburn.

DRAINAGE AREA.—0.18 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1987 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 990.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 6.71 feet, September 7, 1987
DISCHARGE: 144 cfs, September 7, 1987

MAXIMUM FOR CURRENT YEAR.—
STAGE: 3.38 feet, June 17
DISCHARGE: 80.2 cfs, June 17

02206136 JACKSON CREEK TRIBUTARY No. 1 AT WILLIAMS ROAD, NEAR LILBURN, GA

LOCATION.—Lat 33°53'19", long 84°10'59" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Williams Road, 2.6 miles west of Lilburn.

DRAINAGE AREA.—0.33 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1987 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 920.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 8.57 feet, June 17, 2003
DISCHARGE: 214 cfs, June 17, 2003

MAXIMUM FOR CURRENT YEAR.—
STAGE: 8.57 feet, June 17
DISCHARGE: 214 cfs, June 17

ALTAMAHA RIVER BASIN
2003 Water Year

02206165 JACKSON CREEK TRIBUTARY No. 2 AT WORCHESTER PLACE, NEAR LILBURN, GA

LOCATION.—Lat 33°54'09", long 84°10'01" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Worcester Plaza, 1.9 miles northwest of Lilburn.

DRAINAGE AREA.—0.10 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1987 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 950.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 11.51 feet, September 14, 1995
DISCHARGE: 101 cfs, September 14, 1995

MAXIMUM FOR CURRENT YEAR.—
STAGE: 6.74 feet, June 17
DISCHARGE: 38.7 ft^3/s, June 17

ALTAMAHA RIVER BASIN
2003 Water Year

02206314 JACKSON CREEK AT LESTER ROAD, NEAR LILBURN, GA

LOCATION.—Lat 33°53'45", long 84°05'44" referenced to North American Datum (NAD) of 1983, Gwinnett County, Hydrologic Unit 03070103, at bridge crossing on Lester road, 2.2 miles below Camp Creek, and 0.46 miles above mouth.

DRAINAGE AREA.—20.5 square miles.

COOPERATION.—U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 2003, to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
MAR													
12...	1330	9	80020	--	27	10	8.4	--	9.1	87	7.0	199	13.3
SEP													
16...	0815	9	80020	3.68	13	10	10	740	6.5	75	6.9	312	20.6

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)
MAR													
12...	18.6	11.6	.28	.06	.05	10.6	2.39	2.40	.033	.010	.23	E.01	.03
SEP													
16...	41.2	24.9	.43	--	<.04	--	--	3.77	--	E.007n	--	<.02	<.02

Date	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)
MAR													
12...	.025	2.7	<.1	<.1	<.1	2.2	150	<.09	<.006	<.1	<.005	<.006	<.004
SEP													
16...	.028	4.2	<.1	<.1	<.1	3.4	580	<.09	<.006	<.1	<.005	<.006	<.004

Date	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl oxon, water, fltrd, ug/L (61635)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)
MAR													
12...	.015	E.003	<.006	<.004	<.021	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008
SEP													
16...	.086	<.006	<.006	<.004	<.009	--u	<.050	<.010	E.028n	<.06	<.005	<.006	<.008

02206314 JACKSON CREEK AT LESTER ROAD, NEAR LILBURN, GA—continued.

Date	Cyper-methrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diaz-inon oxon, water, fltrd, ug/L (61638)	Diazi-non, water, fltrd, ug/L (39572)	Dicro-tophos, water fltrd, ug/L (38454)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)
MAR													
12...	<.009	<.003	<.004	<.04	<.006	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03
SEP													
16...	<.009	<.003	E.004	<.01	.045	<.08	<.005	<.006	<.03	<.004	<.008	--u	<.03

Date	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexa-zinone, water, fltrd, ug/L (04025)	Ipro-dione, water, fltrd, ug/L (61593)	Isofen-phos, water, fltrd, ug/L (61594)	Mala-oxon, water, fltrd, ug/L (61652)	Mala-thion, water, fltrd, ug/L (39532)	Meta-laxyl, water, fltrd, ug/L (61596)	Methi-althion water, fltrd, ug/L (61598)
MAR													
12...	<.009	<.005	<.005	E.008	<.002	<.003	--	<1	<.003	<.008	<.027	<.005	<.006
SEP													
16...	<.009	.005	<.005	E.015	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006

Date	Methyl para-oxon, water, fltrd, ug/L (61664)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Myclo-butanil water, fltrd, ug/L (61599)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prome-ton, water, fltrd, ug/L (04037)	Prome-tryn, water, fltrd, ug/L (04036)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)
MAR													
12...	<.03	<.006	<.013	<.006	<.008	.050	<.10	<.011	<.06	<.008	<.01	<.005	<.005
SEP													
16...	<.03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01n	<.005	<.004

Date	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Ter-bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Ter-buthyl-azine, water, fltrd, ug/L (04022)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Di-chlor-vos, water fltrd, ug/L (38775)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
MAR											
12...	.080	<.02	<.07	<.02	<.01	<.009	<.01	90	10	15.00	3045
SEP											
16...	.105	E.01n	<.07	<.02	<.01	<.009	<.01	93	6	15.00	3045

02206314 JACKSON CREEK AT LESTER ROAD, NEAR LILBURN, GA—continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
APR						
28...	1430	D	.0	.6	.8	280

Remark codes used in this report:
   < -- Less than
   E -- Estimated value

Value qualifier codes used in this report:
   n -- Below the NDV

Null value qualifier codes used in this report:
   u -- Unable to determine-matrix interference

02206465 WATSON CREEK TRIBUTARY No. 2 AT TANGLEWOOD DRIVE, AT SNELLVILLE, GA

LOCATION.—Lat 33°51'46", long 84°02'07" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Tanglewood Drive, 0.9 miles west-northwest of Snellville.

DRAINAGE AREA.—0.20 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1987 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 970.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 8.37 feet, July 16, 1989
DISCHARGE: 168 cfs, July 16, 1989

MAXIMUM FOR CURRENT YEAR.—
STAGE: 7.00 feet, July 1
DISCHARGE: 113 cfs, July 1

ALTAMAHA RIVER BASIN
2003 Water Year

02207000 GARNER CREEK NEAR SNELLVILLE, GA

LOCATION.—Lat 33°51'45", long 84°05'50" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Five Forks-Trickum Road, 4.4 miles west of Snellville.

DRAINAGE AREA.—5.54 square miles.

COOPERATION.—Gwinnett County Department of Public Works.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1954 to 1963 (at a different datum), 1995 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 830 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

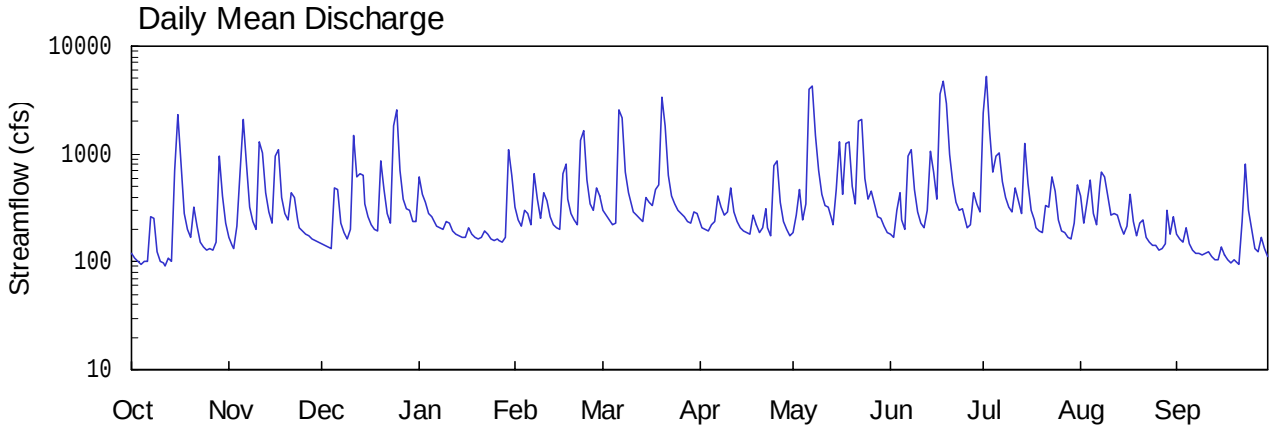
MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 5.93 feet, March 15, 2001
DISCHARGE: 1,630 cfs, February 25, 1961

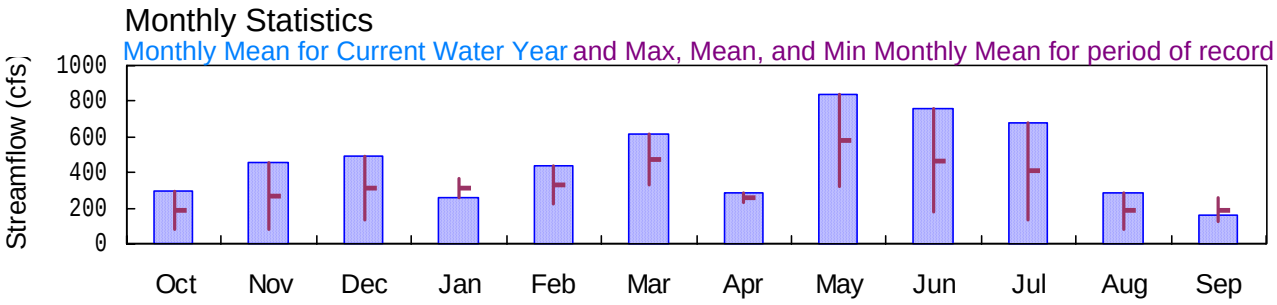
MAXIMUM FOR CURRENT YEAR.—
STAGE: 8.26 feet, May 6
DISCHARGE: 1,360 cfs, May 6

2003 Water Year

02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA

Latitude: 33°46'22" Longitude: 084°03'30" Hydrologic Unit Code: 03070103 Gwinnett County
Drainage Area: 162. mi^2 Datum: 770.0 feet





ALTAMAHA RIVER BASIN
2003 Water Year

02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA

LOCATION.—Lat 33°46'22", long 84°03'30" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, on GA 124 bridge, 5.0 miles south of the intersection of GA 124 and US 78.

DRAINAGE AREA.—162 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 16, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 770.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 16, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 770.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 16.77 feet, May 6; minimum gage-height, 3.05 feet, September 21.

PRECIPITATION RECORDS

PERIOD OF RECORD.—August 16, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0* CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	171	147	611	325	299	226	188	178	2430	414	183
2	108	143	141	419	249	270	209	271	169	5280	232	162
3	101	133	138	352	217	242	200	472	298	1630	353	153
4	94	213	135	281	297	223	195	245	437	675	565	210
5	101	685	487	260	283	232	218	339	248	945	285	148
6	102	2110	464	242	221	2540	241	4050	201	1030	220	128
7	265	810	232	217	649	2160	403	4320	963	547	494	120
8	249	323	184	204	380	686	324	1510	1100	398	679	119
9	122	238	164	200	255	443	269	698	462	326	616	117
10	100	201	201	239	439	337	287	418	295	288	405	119
11	97	1320	1480	228	368	295	487	336	226	482	269	126
12	92	1030	617	194	259	274	294	317	205	367	284	113
13	109	437	652	181	220	256	234	255	304	280	268	103
14	103	287	641	176	204	237	209	219	1060	1270	216	104
15	715	232	339	170	202	394	192	467	682	542	178	138
16	2290	944	262	168	657	351	188	1320	381	299	216	116
17	806	1100	225	209	814	332	182	417	3620	241	418	104
18	285	400	201	180	379	474	268	1270	4710	209	235	97
19	200	283	194	168	282	521	224	1300	2940	195	175	105
20	169	243	852	164	243	3340	190	497	982	185	228	101
21	318	430	471	167	223	1850	204	340	530	329	248	94
22	214	395	277	194	1320	628	309	1990	357	325	170	235
23	153	248	228	182	1670	411	203	2090	303	607	150	793
24	137	206	1830	164	565	346	177	596	309	447	141	300
25	127	190	2560	159	343	305	778	378	237	245	140	e198
26	132	178	697	162	297	283	860	460	209	193	130	132
27	127	172	383	159	491	264	350	339	225	185	132	123
28	151	161	306	153	408	239	235	262	438	167	e145	169
29	956	156	296	168	---	230	198	251	350	161	e298	131
30	410	151	239	1100	---	294	176	215	286	232	181	113
31	230	---	235	642	---	284	---	187	---	518	259	---
TOTAL	9181	13590	15278	8113	12260	19040	8530	26017	22705	21028	8744	4854
MEAN	296	453	493	262	438	614	284	839	757	678	282	162
MAX	2290	2110	2560	1100	1670	3340	860	4320	4710	5280	679	793
MIN	92	133	135	153	202	223	176	187	169	161	130	94
CFSM	1.83	2.80	3.04	1.62	2.70	3.79	1.76	5.18	4.67	4.19	1.74	1.00
IN.	2.11	3.12	3.51	1.86	2.82	4.37	1.96	5.97	5.21	4.83	2.01	1.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	188	268	314	314	328	473	259	579	467	408	183	183
MAX	296	453	493	366	438	614	284	839	757	678	282	260
(WY)	2003	2003	2003	2002	2003	2003	2003	2003	2003	2003	2003	2002
MIN	79.7	82.5	135	262	219	332	234	320	178	137	84.7	128
(WY)	2002	2002	2002	2003	2002	2002	2002	2002	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	102723		169340			
ANNUAL MEAN	281		464		333	
HIGHEST ANNUAL MEAN					464	2003
LOWEST ANNUAL MEAN					202	2002
HIGHEST DAILY MEAN	3030	May 5	5280	Jul 2	5280	Jul 2 2003
LOWEST DAILY MEAN	42	Sep 12	92	Oct 12	42	Sep 12 2002
ANNUAL SEVEN-DAY MINIMUM	44	Sep 7	108	Sep 15	44	Sep 7 2002
MAXIMUM PEAK FLOW			6840	May 6	6840	May 6 2003
MAXIMUM PEAK STAGE			16.77	May 6	16.77	May 6 2003
ANNUAL RUNOFF (CFSM)	1.74		2.86		2.06	
ANNUAL RUNOFF (INCHES)	23.59		38.89		27.93	
10 PERCENT EXCEEDS	654		949		658	
50 PERCENT EXCEEDS	151		256		181	
90 PERCENT EXCEEDS	61		133		72	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0* CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.29	3.53	3.40	5.12	4.19	4.08	3.78	3.60	3.57	8.88	4.51	3.59
2	3.23	3.38	3.37	4.54	3.88	3.96	3.71	3.97	3.52	14.80	3.81	3.48
3	3.18	3.33	3.35	4.30	3.74	3.85	3.67	4.70	4.02	7.50	4.24	3.44
4	3.13	3.71	3.34	4.01	4.07	3.77	3.64	3.86	4.61	5.32	5.00	3.71
5	3.18	5.05	4.63	3.92	4.02	3.81	3.74	4.11	3.87	6.03	4.02	3.41
6	3.18	8.53	4.67	3.85	3.76	9.53	3.84	12.35	3.67	6.15	3.76	3.30
7	3.85	5.59	3.81	3.74	5.23	8.68	4.47	13.07	5.86	4.96	4.78	3.25
8	3.89	4.18	3.59	3.69	4.40	5.35	4.18	7.19	6.32	4.48	5.14	3.24
9	3.31	3.83	3.50	3.67	3.90	4.63	3.95	5.39	4.67	4.20	5.03	3.23
10	3.17	3.67	3.64	3.83	4.57	4.24	4.03	4.55	4.06	4.03	4.48	3.24
11	3.15	6.60	7.08	3.79	4.36	4.06	4.76	4.24	3.78	4.76	3.96	3.28
12	3.12	6.14	5.12	3.64	3.91	3.98	4.06	4.16	3.69	4.35	4.02	3.21
13	3.23	4.60	5.20	3.58	3.76	3.90	3.82	3.90	4.04	4.00	3.96	3.15
14	3.19	4.03	5.22	3.55	3.69	3.83	3.71	3.75	6.22	6.64	3.74	3.15
15	4.92	3.81	4.25	3.53	3.68	4.41	3.63	4.61	5.30	4.92	3.56	3.36
16	8.85	5.76	3.93	3.51	5.07	4.29	3.61	6.75	4.39	4.08	3.67	3.22
17	5.53	6.26	3.78	3.71	5.67	4.20	3.58	4.53	11.62	3.84	4.51	3.15
18	4.03	4.47	3.67	3.57	4.40	4.73	3.95	6.57	13.73	3.71	3.82	3.10
19	3.67	4.01	3.64	3.51	4.01	4.80	3.77	6.74	10.40	3.65	3.55	3.15
20	3.52	3.85	5.69	3.49	3.85	11.27	3.62	4.79	6.06	3.60	3.78	3.13
21	4.16	4.53	4.70	3.51	3.77	7.99	3.68	4.26	4.90	4.20	3.87	3.08
22	3.72	4.45	3.99	3.64	6.58	5.19	4.13	8.21	4.33	4.18	3.53	3.65
23	3.44	3.87	3.79	3.58	7.58	4.53	3.68	8.51	4.10	5.10	3.42	5.61
24	3.35	3.70	7.77	3.50	5.00	4.28	3.56	5.09	4.13	4.63	3.37	4.08
25	3.29	3.62	9.56	3.47	4.27	4.10	5.38	4.41	3.83	3.86	3.37	---
26	3.32	3.57	5.37	3.48	4.07	4.01	5.78	4.68	3.71	3.63	3.31	3.32
27	3.29	3.54	4.42	3.47	4.78	3.94	4.28	4.25	3.76	3.60	3.32	3.27
28	3.41	3.48	4.11	3.44	4.51	3.84	3.82	3.93	4.57	3.51	---	3.51
29	5.97	3.45	3.95	3.51	---	3.80	3.66	3.88	4.28	3.48	---	3.32
30	4.49	3.43	3.84	6.20	---	4.06	3.56	3.73	4.02	3.77	3.58	3.21
31	3.80	---	3.82	5.21	---	4.02	---	3.61	---	4.86	3.91	---
MEAN	3.83	4.40	4.52	3.86	4.45	4.88	3.97	5.40	5.17	4.99	---	---
MAX	8.85	8.53	9.56	6.20	7.58	11.27	5.78	13.07	13.73	14.80	---	---
MIN	3.12	3.33	3.34	3.44	3.68	3.77	3.56	3.60	3.52	3.48	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0* CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.37	0.00	0.03	0.00	0.34	0.00	4.27	0.00	0.00
2	0.00	0.00	0.00	0.13	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00
3	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.32	0.00
4	0.11	0.10	0.04	0.00	0.17	0.02	0.00	0.00	0.29	0.00	0.01	0.00
5	0.00	1.43	0.44	0.00	0.00	0.93	0.64	2.64	0.00	0.08	0.08	0.00
6	0.00	0.00	0.00	0.00	0.71	1.61	0.31	2.35	0.53	0.00	0.04	0.00
7	0.55	0.00	0.00	0.00	0.06	0.02	0.60	0.42	0.75	0.00	0.03	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	0.85	0.00
9	0.00	0.01	0.00	0.06	0.10	0.00	0.08	0.00	0.01	0.00	0.00	0.00
10	0.00	0.00	1.08	0.02	0.47	0.00	0.36	0.00	0.00	0.41	0.00	0.00
11	0.01	2.20	0.02	0.00	0.00	0.00	0.00	0.21	0.18	0.00	1.30	0.00
12	0.08	0.26	0.00	0.00	0.00	0.00	0.00	0.10	0.03	0.00	0.03	0.01
13	0.46	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.13	0.21	0.01	0.00
14	0.02	0.00	0.00	0.00	0.02	0.00	0.00	0.01	0.15	0.01	0.00	0.26
15	2.95	0.16	0.00	0.00	0.00	0.48	0.00	1.18	0.00	0.00	0.00	0.00
16	0.03	0.68	0.00	0.16	1.44	0.00	0.00	0.43	0.39	0.00	0.09	0.00
17	0.00	0.00	0.00	0.00	0.01	0.58	0.16	0.07	1.66	0.01	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.85	1.35	0.00	0.00	0.00
19	0.00	0.03	0.83	0.00	0.00	1.96	0.00	0.10	0.16	0.00	1.24	0.00
20	0.29	0.02	0.04	0.00	0.00	0.89	0.00	0.02	0.00	0.63	0.09	0.00
21	0.02	0.23	0.00	0.15	0.09	0.00	0.35	0.34	0.00	0.10	0.00	0.00
22	0.00	0.00	0.00	0.20	1.05	0.00	0.00	1.84	0.00	0.33	0.01	1.53
23	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.01
24	0.00	0.00	2.25	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00
25	0.04	0.00	0.02	0.00	0.00	0.00	0.96	0.08	0.00	0.01	0.00	0.00
26	0.00	0.00	0.00	0.00	0.39	0.30	0.00	0.07	0.00	0.05	0.00	0.00
27	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.01	0.13	0.00	0.00	0.59
28	1.05	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.68	0.00	---	0.00
29	0.31	0.00	0.00	0.83	---	0.04	0.00	0.00	0.00	0.00	---	0.00
30	0.01	0.00	0.00	0.71	---	0.25	0.00	0.00	0.18	0.36	0.17	0.00
31	0.00	---	0.36	0.00	---	0.00	---	0.00	---	0.63	0.00	---
TOTAL	5.93	5.48	5.81	2.63	4.71	7.18	3.64	12.24	7.09	7.93	---	2.40

02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA

LOCATION.—Lat 33°46'22", long 84°03'30" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, on GA 124 bridge, 5.0 miles south of the intersection of GA 124 and US 78.

DRAINAGE AREA.—162 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIOD OF RECORD.— August 16, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: August 16, 2001 to current year.
WATER TEMPERATURE: August 16, 2001 to current year.
TURBIDITY: August 16, 2001 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good, except turbidity, which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 364 microsiemens, September 10, 2002; minimum recorded, 35 microsiemens, June 17, 2003.
WATER TEMPERATURE: Maximum recorded, 33.2°C, August 15, 2001; minimum recorded, 2.4°C, January 25, 2003.
TURBIDITY: Maximum recorded, 998 NTU, August 9, 2003; minimum recorded, <5.0 NTU, on many days.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum, 259 microsiemens, October 5, 6; minimum, 35 microsiemens, June 17.
WATER TEMPERATURE: Maximum 26.6°C, August 24, 26; minimum, 2.4°C, January 25.
TURBIDITY: Maximum, 998 NTU, August 9; minimum, <5.0 NTU on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0 CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	194	181	186	161	133	149	166	153	159	130	78	102
2	218	194	206	174	158	166	171	153	163	97	79	89
3	228	209	220	198	174	185	169	159	165	111	97	105
4	249	228	236	178	161	170	173	162	167	124	103	112
5	259	230	245	161	67	121	174	84	139	128	119	123
6	259	223	240	72	65	69	105	87	93	131	124	126
7	223	117	193	98	70	84	129	104	116	130	123	126
8	128	113	118	122	98	108	144	129	136	146	128	140
9	161	128	145	134	122	129	155	144	148	151	143	148
10	202	161	186	149	131	144	148	115	144	152	137	148
11	219	190	205	147	63	92	118	62	76	137	129	133
12	236	215	226	91	73	81	97	69	81	150	135	143
13	231	210	219	118	90	100	101	74	93	156	146	150
14	225	195	215	129	114	121	93	74	84	162	156	159
15	200	69	151	144	129	139	118	93	106	164	155	160
16	70	62	65	152	70	110	128	116	124	168	158	162
17	108	70	88	87	71	76	136	127	132	166	153	161
18	131	105	119	113	87	98	143	134	139	159	146	153
19	151	131	142	124	111	117	151	138	147	178	153	162
20	172	145	160	137	122	131	140	67	97	174	160	164
21	179	120	150	143	100	126	101	77	88	163	153	160
22	147	125	137	109	95	101	121	101	114	163	147	156
23	171	139	159	128	109	120	129	120	125	156	147	153
24	184	162	173	142	123	137	129	44	78	166	155	161
25	199	175	186	150	133	144	61	44	51	170	162	165
26	210	188	199	152	141	149	77	61	70	168	161	164
27	203	190	197	159	151	155	103	77	91	166	161	163
28	202	162	190	165	154	159	115	103	107	165	156	162
29	162	80	100	177	161	167	---	115	---	173	157	166
30	113	89	99	165	154	160	126	119	122	157	67	101
31	135	113	125	---	---	---	132	122	127	106	77	90
MONTH	259	62	170	198	63	127	---	44	---	178	67	142

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0 CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	126	106	116	117	107	113	140	129	135	161	133	157
2	134	123	128	127	117	123	149	138	144	149	128	141
3	139	129	134	132	119	127	154	145	150	131	110	116
4	139	123	134	135	126	130	156	150	153	136	116	127
5	129	106	116	147	120	141	160	141	151	148	96	139
6	140	128	133	135	45	65	158	140	150	96	39	55
7	136	84	104	76	49	60	142	108	127	60	44	50
8	111	88	100	94	74	85	126	108	116	76	60	68
9	133	111	123	108	90	99	140	126	135	89	76	81
10	130	91	115	113	105	110	142	138	139	105	89	97
11	110	89	97	123	113	118	141	105	118	113	105	110
12	129	110	120	132	121	126	128	110	119	119	109	115
13	146	129	137	134	126	131	142	128	137	129	116	124
14	152	144	148	138	134	136	150	142	147	143	127	137
15	154	144	150	138	104	127	154	148	151	146	87	128
16	152	73	120	117	99	109	166	153	161	87	54	68
17	87	72	78	129	111	119	168	164	166	99	71	87
18	112	87	102	122	94	103	170	150	165	101	57	77
19	128	112	120	119	68	105	150	145	146	81	61	69
20	137	128	132	68	46	51	155	147	153	102	81	92
21	142	133	138	77	50	65	159	153	156	115	102	110
22	143	51	93	94	77	86	155	134	143	113	45	76
23	74	53	62	115	94	107	148	137	142	76	48	58
24	92	74	84	119	110	116	162	148	156	90	70	80
25	112	92	102	125	117	121	162	73	126	99	90	95
26	120	112	115	129	123	126	90	76	80	103	89	96
27	120	98	111	142	128	134	116	90	104	105	90	98
28	107	98	101	143	136	140	131	116	126	115	105	110
29	---	---	---	144	139	142	145	130	139	119	112	115
30	---	---	---	150	130	142	159	144	155	131	116	124
31	---	---	---	143	128	131	---	---	---	134	123	131
MONTH	154	51	115	150	45	113	170	73	140	161	39	101

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0 CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	139	133	136	115	39	75	106	90	95	127	108	121
2	140	134	137	50	39	42	124	100	112	149	127	140
3	140	104	131	69	50	61	136	92	119	158	139	147
4	104	83	89	79	69	76	118	82	91	158	129	144
5	110	93	99	84	63	70	121	91	106	157	130	142
6	128	110	122	75	57	67	138	121	128	174	153	165
7	123	56	91	87	75	81	140	81	103	190	173	181
8	68	60	65	104	87	97	124	43	90	196	178	187
9	90	68	79	116	104	109	96	39	77	196	183	187
10	105	90	98	133	116	124	120	80	99	192	185	189
11	118	105	112	137	96	115	127	101	116	197	189	193
12	127	117	123	117	98	106	148	115	130	197	188	192
13	132	86	127	125	105	119	127	112	119	205	189	197
14	93	60	69	124	52	73	149	117	132	219	198	206
15	82	60	72	96	65	81	157	143	149	218	182	195
16	103	82	92	119	96	108	166	138	160	201	173	183
17	97	35	47	135	118	124	148	75	100	215	184	198
18	48	36	42	139	134	136	135	111	128	220	207	214
19	52	41	45	141	137	139	152	126	139	242	215	227
20	68	52	61	148	135	143	174	135	155	246	199	215
21	81	68	73	145	104	116	161	118	130	228	200	210
22	92	81	85	133	98	119	160	134	147	231	102	202
23	105	92	99	111	80	96	169	156	164	135	67	84
24	115	105	110	100	80	90	183	166	175	117	88	102
25	134	105	120	125	100	112	188	172	179	---	117	---
26	---	---	---	136	125	132	177	163	171	166	137	153
27	---	---	---	139	135	137	181	169	175	172	157	165
28	132	99	116	146	136	142	181	---	---	183	161	172
29	113	90	100	156	143	147	---	---	---	176	137	149
30	130	77	116	152	137	146	147	111	131	169	150	158
31	---	---	---	150	84	96	153	110	130	---	---	---
MONTH	---	---	---	156	39	106	---	---	---	---	67	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0 CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.1	21.3	22.1	15.4	13.9	14.6	8.9	7.2	8.1	10.8	9.8	10.4
2	23.7	21.7	22.5	13.9	12.7	13.4	7.8	6.2	7.1	11.1	10.6	10.8
3	23.7	21.8	22.6	13.7	12.7	13.2	8.7	6.7	7.6	11.0	9.0	10.2
4	23.3	21.9	22.5	14.1	13.2	13.6	8.6	7.7	8.2	9.0	7.1	7.9
5	24.2	22.4	23.2	13.9	13.6	13.8	7.7	6.2	7.1	8.0	6.5	7.2
6	24.0	22.4	23.1	13.9	13.4	13.7	7.0	6.2	6.5	7.9	7.0	7.4
7	23.5	22.4	22.8	13.4	12.2	12.8	6.8	5.5	6.1	7.2	6.2	6.7
8	22.4	21.0	21.9	12.9	11.5	12.2	6.8	5.4	6.1	7.6	5.8	6.7
9	21.0	19.6	20.1	13.7	11.8	12.7	7.6	6.4	7.0	9.4	7.2	8.2
10	19.7	19.2	19.5	16.0	13.7	14.9	8.1	7.4	7.7	10.2	9.2	9.7
11	20.9	19.4	20.1	17.4	16.0	17.0	8.1	7.6	7.8	9.2	7.0	8.0
12	22.1	20.0	20.9	17.2	15.9	16.7	8.4	7.8	8.1	7.0	5.6	6.1
13	22.5	21.1	21.6	15.9	13.6	14.8	8.7	8.3	8.4	6.3	5.3	5.8
14	21.4	19.6	20.5	13.6	12.2	12.8	8.3	7.3	8.0	7.0	5.2	6.0
15	19.6	15.7	17.3	12.6	11.2	12.0	7.7	6.7	7.1	6.6	5.3	5.9
16	16.3	15.6	15.9	13.6	12.6	13.3	8.3	6.6	7.4	5.6	4.7	5.3
17	16.3	15.4	16.0	13.4	11.0	12.3	9.1	7.6	8.3	5.8	4.6	5.3
18	15.9	14.4	15.1	11.0	9.9	10.4	9.3	8.4	8.8	4.6	3.1	3.8
19	15.7	14.2	15.0	11.1	9.8	10.4	10.4	9.0	9.4	4.4	2.7	3.6
20	16.3	15.0	15.7	11.8	10.8	11.3	11.4	10.0	10.8	6.0	3.2	4.5
21	17.8	16.3	17.2	12.8	11.7	12.3	10.0	8.1	9.1	9.0	5.9	7.5
22	17.6	17.0	17.4	12.2	10.5	11.7	9.5	7.7	8.5	10.1	9.0	9.6
23	17.0	16.4	16.7	10.5	9.2	9.7	9.5	8.1	8.8	9.5	4.9	7.4
24	17.2	16.2	16.7	10.2	8.5	9.3	9.4	8.4	9.0	4.9	2.9	3.6
25	16.9	16.5	16.6	10.5	8.8	9.6	8.4	7.3	8.1	4.3	2.4	3.3
26	17.2	16.3	16.8	10.8	9.1	10	7.3	6.0	6.6	5.5	3.8	4.5
27	17.8	16.6	17.2	11.0	9.8	10.6	6.6	5.6	6.0	5.6	4.0	4.8
28	18.6	17.6	18.0	9.8	8.0	8.9	6.6	5.4	6.0	5.7	3.7	4.7
29	19.4	18.6	19.0	8.5	6.9	7.8	7.6	6.0	6.6	7.8	5.7	6.5
30	18.8	17.3	18.3	9.8	8.0	8.8	8.1	6.6	7.3	9.0	7.8	8.6
31	17.3	15.4	16.4	---	---	---	9.8	7.8	8.6	9.1	8.5	8.7
MONTH	24.2	14.2	19.0	17.4	6.9	12.2	11.4	5.4	7.7	11.1	2.4	6.7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0 CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.5	8.3	8.8	10.5	9.8	10.2	14.4	10.8	12.6	21.4	19.3	20.2
2	9.7	7.8	8.7	11.4	10.4	10.8	16.4	12.9	14.6	21.5	19.9	20.5
3	10.5	8.2	9.4	11.2	9.5	10.4	17.7	14.3	16.0	20.2	18.3	18.9
4	11.7	10.5	11.0	11.3	9.4	10.5	18.6	15.7	17.1	20.4	17.9	19.2
5	10.7	9.0	9.7	12.8	11.2	11.8	18.1	17.3	17.6	19.9	19.3	19.5
6	9.0	7.9	8.3	12.9	12.6	12.8	18.0	16.7	17.3	19.5	19.1	19.2
7	7.9	6.9	7.5	13.0	12.5	12.7	17.2	16.2	16.7	19.5	19.1	19.2
8	7.3	6.4	6.7	13.4	12.8	13.2	16.2	14.6	15.4	20.3	19.5	19.9
9	7.9	6.0	6.9	14.8	12.7	13.6	14.6	13.2	13.8	21.6	20.1	20.8
10	8.9	7.7	8.2	14.9	13.0	13.9	13.2	11.9	12.4	22.2	20.4	21.3
11	8.6	7.2	7.8	14.1	11.9	13.1	12.4	11.1	11.8	21.7	20.5	21.2
12	9.2	7.0	8.0	14.7	11.9	13.4	14.9	11.4	13.1	20.9	19.4	20.2
13	9.2	7.3	8.2	16.0	13.6	14.8	16.7	13.4	15.0	20.0	18.1	19.1
14	8.5	7.7	8.2	15.8	14.8	15.3	17.8	14.7	16.2	19.2	18.0	18.4
15	10.1	8.4	9.2	14.8	12.7	13.7	18.6	15.7	17.1	18.3	17.8	18.0
16	10.4	8.5	9.8	14.2	12.5	13.2	18.9	16.6	17.7	19.7	18.2	19.2
17	8.5	6.9	7.4	14.0	13.4	13.7	18.2	17.0	17.7	21.0	19.7	20.4
18	8.2	6.8	7.3	14.3	13.8	14.1	18.4	17.4	17.8	20.6	19.0	19.6
19	8.6	6.9	7.7	14.8	14.3	14.6	17.7	16.5	17.1	19.0	17.6	18.4
20	10.3	8.2	9.2	14.5	13.3	13.6	17.3	16.7	17.0	18.0	17.2	17.6
21	10.7	10.0	10.3	14.8	13.4	14.0	17.6	16.7	17.1	18.5	17.6	18.1
22	12.9	10.7	11.6	15.6	14.4	14.9	18.4	16.4	17.3	18.5	18.1	18.3
23	12.9	10.5	11.8	15.7	13.7	14.6	17.9	15.4	16.6	18.6	18.1	18.3
24	11.6	10.4	10.9	16.1	13.5	14.8	16.7	15.2	16.0	20.3	18.6	19.4
25	12.2	10.8	11.4	16.7	13.8	15.2	16.2	15.4	15.8	20.6	18.7	19.7
26	11.4	10.0	10.5	17.2	15.0	16.2	17.5	16.2	16.9	20.7	19.3	20.0
27	10.0	8.5	9.1	18.3	16.0	17.1	18.9	16.5	17.6	21.0	19.3	20.1
28	10.0	8.4	9.1	18.2	17.0	17.6	19.3	16.7	18.0	20.6	18.4	19.5
29	---	---	---	18.1	16.5	17.3	19.9	17.4	18.7	20.4	18.6	19.5
30	---	---	---	16.5	13.5	15.0	20.8	18.5	19.6	20.6	18.3	19.5
31	---	---	---	13.8	11.5	12.7	---	---	---	21.1	19.1	20.0
MONTH	12.9	6.0	9.0	18.3	9.4	13.8	20.8	10.8	16.3	22.2	17.2	19.5

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STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0 CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.6	19.4	20.3	22.8	21.2	21.8	25.6	24.3	24.8	26.4	24.8	25.5
2	21.1	18.7	19.9	21.6	21.3	21.4	25.5	24.1	24.7	26.0	24.6	25.3
3	20.4	19.6	19.9	22.6	21.5	22.0	25.0	24.2	24.5	26.0	24.6	25.3
4	22.3	19.9	21.1	23.5	22.1	22.7	25.0	23.9	24.5	25.9	24.4	25.2
5	22.5	20.2	21.3	23.3	22.5	22.9	25.6	24.0	24.7	25.2	24.1	24.7
6	21.6	20.5	20.9	23.5	22.7	23.0	25.1	24.0	24.5	24.3	23.1	23.8
7	21.8	20.7	21.2	23.9	22.7	23.3	24.6	23.4	24.0	23.1	22.1	22.6
8	23.0	21.8	22.4	24.6	22.8	23.7	24.9	22.9	23.8	23.3	21.2	22.1
9	23.7	22.1	22.7	25.2	23.4	24.2	24.9	22.8	23.8	23.2	21.1	22.0
10	23.5	21.1	22.4	24.6	23.5	24.0	25.0	23.4	24.2	22.8	21.3	21.9
11	24.0	21.9	22.9	24.3	23.0	23.7	24.7	23.3	23.9	22.9	20.9	21.7
12	23.9	22.4	23.1	25.3	23.1	24.1	23.9	23.0	23.5	23.0	20.8	21.7
13	23.5	22.6	23.0	25.1	23.3	24.2	24.5	23.1	23.7	22.8	20.3	21.5
14	23.5	22.6	23.0	24.3	22.1	23.2	25.4	23.5	24.4	22.6	20.7	21.6
15	24.3	23.1	23.5	24.8	23.3	23.9	26.2	24.2	25.1	23.4	21.5	22.2
16	24.4	22.9	23.6	25.1	23.4	24.2	25.9	24.8	25.3	22.9	21.4	22.0
17	23.6	22.0	22.3	25.6	23.6	24.5	25.6	23.8	24.7	22.9	20.6	21.5
18	22.6	22.2	22.4	25.6	24.0	24.8	25.9	24.3	25.1	22.4	19.5	20.9
19	22.8	22.4	22.6	25.7	24.0	24.8	26.4	24.7	25.5	22.2	19.4	20.8
20	23.4	22.4	22.9	25.7	24.1	24.9	25.7	24.7	25.1	22.9	20.2	21.3
21	22.9	21.5	22.2	25.7	24.3	24.9	26.1	24.4	25.2	22.7	20.5	21.6
22	22.5	20.3	21.4	25.1	24.1	24.6	26.4	24.5	25.4	22.3	21.7	22.0
23	22.8	20.6	21.7	24.1	23.2	23.6	26.5	24.6	25.5	22.6	21.5	22.2
24	23.5	21.3	22.4	24.6	22.9	23.6	26.6	24.7	25.5	22.0	20.7	21.3
25	24.1	22.0	23.0	24.4	22.4	23.4	26.2	24.9	25.4	---	---	---
26	---	---	---	24.5	22.9	23.7	26.6	24.3	25.3	22.0	20.2	21.0
27	---	---	---	25.1	23.2	24.1	26.5	24.6	25.5	22.4	20.2	21.2
28	22.8	21.7	22.2	25.8	23.7	24.7	---	24.7	---	21.6	19.8	20.9
29	24.0	21.9	22.8	26.4	24.2	25.1	---	---	---	19.8	17.8	18.8
30	24.0	22.7	23.2	25.1	24.2	24.7	25.9	24.5	25.1	18.5	16.4	17.4
31	---	---	---	25.1	23.7	24.4	26.1	24.4	25.2	---	---	---
MONTH	---	---	---	26.4	21.2	23.8	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0 CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13	6.0	9.3	15	8.4	11	6.8	<5.0	5.1	147	24	92
2	22	5.2	8.1	15	6.9	8.0	6.3	<5.0	5.1	101	31	53
3	16	<5.0	6.3	18	5.7	7.4	7.2	<5.0	5.0	36	22	29
4	11	<5.0	6.0	24	7.3	12	7.1	<5.0	<5.0	32	18	24
5	11	<5.0	6.4	380	14	24	196	<5.0	55	22	16	18
6	11	<5.0	5.8	323	106	170	102	29	53	21	13	16
7	132	5.9	18	112	52	82	42	12	20	17	13	14
8	91	28	54	65	25	38	16	8.5	11	18	11	13
9	34	11	15	29	17	21	12	7.1	8.1	15	11	12
10	18	8.7	12	18	12	14	68	6.4	7.9	18	9.7	12
11	19	6.3	11	856	12	242	226	62	125	16	10	13
12	15	5.6	8.0	156	63	92	106	34	57	13	9.5	11
13	21	8.6	14	---	---	---	121	29	42	12	8.8	9.8
14	20	7.6	12	---	---	---	100	37	53	10	8.2	9.0
15	458	7.8	129	18	10	14	42	19	27	9.8	7.2	8.5
16	404	129	225	185	12	103	22	14	17	15	7.3	8.3
17	149	61	98	135	48	80	16	10	13	15	8.2	11
18	66	29	46	52	23	32	23	10	12	14	9.5	11
19	36	17	23	24	14	19	28	8.9	12	11	8.3	9.1
20	19	12	15	20	11	14	319	17	117	10	7.3	8.1
21	73	14	51	69	9.6	28	87	30	53	11	6.4	7.5
22	52	17	30	52	18	31	33	16	21	14	7.0	9.3
23	19	11	14	21	11	14	20	11	14	10	6.8	7.9
24	19	7.3	10	14	8.1	9.8	676	11	342	10	6.9	7.9
25	13	6.4	8.7	13	7.4	8.4	368	133	185	9.3	6.8	7.8
26	10	6.2	7.9	9.7	6.3	7.4	152	84	112	9.7	6.8	7.7
27	14	5.8	7.4	8.9	5.6	6.7	92	46	61	12	6.2	7.5
28	96	5.0	8.4	9.8	5.5	6.1	56	31	40	19	6.0	7.5
29	340	80	164	7.1	<5.0	5.7	39	26	32	26	6.4	12
30	141	29	57	8.2	<5.0	5.3	32	22	25	390	18	162
31	31	13	21	---	---	---	28	19	22	129	42	71
MAX	458	129	225	---	---	---	676	133	342	390	42	162
MIN	10	5.0	5.8	---	---	---	6.3	5.0	5.0	9.3	6.0	7.5

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0 CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	48	18	29	30	18	24	12	5.0	6.9	443	<5.0	5.2
2	22	11	15	27	14	16	8.6	<5.0	<5.0	269	28	47
3	15	9.2	11	17	12	14	7.4	<5.0	<5.0	589	49	149
4	52	8.2	14	17	9.2	12	7.5	<5.0	<5.0	68	9.4	26
5	90	22	40	160	9.1	10	72	<5.0	7.2	753	8.1	22
6	23	11	15	686	86	336	9.5	<5.0	<5.0	797	225	418
7	129	15	77	245	144	170	72	<5.0	30	352	159	230
8	59	20	34	148	94	115	45	10	21	198	108	156
9	22	12	15	101	51	79	14	<5.0	8.6	130	68	96
10	59	12	29	61	32	42	14	5.2	7.2	---	---	---
11	52	17	27	50	24	31	90	12	51	---	---	---
12	20	11	14	38	21	27	37	<5.0	14	---	---	---
13	15	7.8	9.2	50	17	27	14	<5.0	6.5	24	17	20
14	11	6.9	8.1	44	13	23	13	<5.0	5.1	18	12	15
15	16	6.0	7.1	105	17	48	12	<5.0	<5.0	224	12	53
16	195	5.4	95	112	22	52	5.6	<5.0	<5.0	648	153	284
17	181	48	85	79	23	44	14	<5.0	<5.0	180	35	60
18	49	20	31	92	37	66	17	<5.0	8.1	552	31	213
19	30	12	16	588	32	68	25	<5.0	8.8	204	85	121
20	15	9.7	12	878	217	335	11	<5.0	<5.0	92	35	54
21	15	7.6	9.5	---	---	---	13	<5.0	<5.0	39	25	30
22	621	8.2	326	---	---	---	38	7.8	19	524	25	270
23	286	125	164	---	---	---	29	<5.0	9.4	245	91	116
24	138	81	109	---	---	---	19	<5.0	<5.0	95	41	63
25	86	34	54	---	---	---	405	<5.0	148	43	26	35
26	40	26	31	26	13	16	201	70	128	129	26	49
27	65	28	52	20	8.2	12	74	18	37	46	22	29
28	58	29	38	13	5.9	8.9	20	7.2	13	31	15	20
29	---	---	---	13	<5.0	7.4	39	<5.0	8.1	35	15	18
30	---	---	---	22	5.8	10	15	<5.0	5.1	23	12	15
31	---	---	---	25	6.8	16	---	---	---	17	9.5	12
MAX	621	125	326	---	---	---	405	70	148	---	---	---
MIN	11	5.4	7.1	---	---	---	5.6	5.0	5.0	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334622 LONGITUDE 0840330 NAD27 DRAINAGE AREA 162.0 CONTRIBUTING DRAINAGE AREA DATUM 770.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19	7.7	9.7	425	60	310	139	34	75	61	18	28
2	16	6.7	8.6	264	122	185	50	16	27	22	13	15
3	147	7.2	18	140	101	125	288	14	18	21	11	13
4	166	39	58	103	72	86	313	54	125	38	17	28
5	57	14	28	224	75	132	69	17	28	26	11	17
6	48	9.5	13	362	81	134	21	14	15	---	---	---
7	448	40	187	82	56	71	210	16	84	---	---	---
8	283	93	120	58	39	48	989	62	125	19	7.2	11
9	93	36	60	40	26	32	998	51	169	21	6.1	9.8
10	39	22	29	64	17	23	822	48	89	18	6.6	11
11	34	15	21	77	40	58	269	30	51	21	7.3	10
12	20	11	16	115	29	48	84	27	38	18	<5.0	6.6
13	551	13	22	95	18	31	107	20	34	10	5.0	6.8
14	685	104	228	931	27	224	78	16	26	63	<5.0	6.3
15	659	71	134	121	36	66	28	11	14	24	7.8	15
16	139	36	54	38	19	26	201	8.5	12	17	8.2	11
17	960	125	436	22	14	18	374	72	204	12	5.1	7.3
18	456	187	271	19	11	13	72	20	33	8.2	<5.0	6.2
19	307	136	180	15	9.5	12	96	11	17	8.6	<5.0	6.3
20	163	104	118	55	8.5	10	106	16	33	10	5.0	6.8
21	107	69	95	170	19	68	83	26	42	9.5	<5.0	5.9
22	86	40	66	168	26	37	27	12	18	323	<5.0	6.5
23	---	---	---	283	52	149	16	8.9	12	533	77	187
24	---	---	---	283	35	66	19	8.2	11	90	28	51
25	---	---	---	51	21	32	14	7.0	10	30	---	---
26	---	---	---	29	15	19	13	6.3	9.1	18	8.4	10
27	295	---	---	25	13	18	12	6.1	8.6	59	7.2	10
28	331	55	116	17	11	12	---	6.3	---	38	12	15
29	138	23	46	13	10	12	---	---	---	17	8.8	12
30	388	14	20	104	10	12	65	23	30	15	5.7	7.7
31	---	---	---	248	66	114	122	28	56	---	---	---
MAX	---	---	---	931	122	310	---	---	---	---	---	---
MIN	---	---	---	13	8.5	10	---	---	---	---	---	---

< Actual value is known to be less than the value shown

ALTAMAHA RIVER BASIN
2003 Water Year

02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA

LOCATION.—Lat 33°46'22", long 84°03'30" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, on GA 124 bridge, 5.0 miles south of the intersection of GA 124 and US 78.

DRAINAGE AREA.— 162.0 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.— March 14, 1996 to current year.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory and Missouri District Water Quality Laboratory. Field values with analyzing agency code 1028 are median values of cross-section field data at the time of sample collection. Field determinations of discharge, specific conductance, pH, water temperature, air temperature, dissolved oxygen, and turbidity by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Hydrologic condition	Hydrologic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, NTU (00076)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
OCT													
24...	1215	--	9	9	81213	3.33	133	10	9.2	6.6	160	40	12.0
DEC													
19...	0945	--	9	9	81213	3.68	196	10	9.0	6.7	150	39	11.0
20-20	0217	1423	A	J	81213	--	--	55	120	6.7	101	27	7.70
FEB													
13...	1310	--	9	9	81213	3.70	220	10	7.5	7.2	135	35	10.0
16-17	1045	0745	A	J	81213	--	--	55	100	5.6	89	25	7.10
APR													
02...	1000	--	9	9	81213	3.73	214	10	8.3	6.8	146	37	10.0
18-18	0635	1235	A	J	81213	--	--	55	9.2	7.2	160	39	11.0
25-25	0636	2335	A	J	81213	--	--	55	180	7.1	88	25	6.90
JUN													
03-04	0900	0535	A	J	81213	--	--	55	73	7.3	124	34	9.70
13-14	2045	0930	A	J	81213	--	--	55	390	6.4	73	23	6.46
JUL													
09...	0820	--	9	9	81213	4.24	337	10	29	7.2	108	32	9.00
AUG													
26...	0830	--	9	9	81213	--	135	10	8.5	7.5	174	44	13.0
SEP													
22-23	1947	1815	A	J	81213	--	--	55	230	6.5	110	22	6.40

02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA —continued.

Date	Magnes-ium, water, fltrd, mg/L (00925)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Residue vola-tile, sus-pended, mg/L (00535)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, unfltrd mg/L (00600)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)
OCT													
24...	2.50	112	6	4	.20	.024	1.70	1.70	<.02	<.02	1.9	.1	<5
DEC													
19...	2.80	97	4	2	.30	.035	1.60	1.70	<.02	<.02	2.0	.5	<5
20-20	2.00	68	120	20	.80	.039	1.20	1.10	<.02	.11	1.9	3.3	11
FEB													
13...	2.50	91	3	3	1.9	.025	1.50	1.50	<.02	<.02	3.4	.7	<5
16-17	1.80	57	108	19	.70	.132	.87	.890	<.02	.09	1.6	1.8	12
APR													
02...	2.80	98	14	2	.20	.026	1.80	1.80	<.02	.02	2.0	1.3	<5
18-18	2.90	100	8	2	.40	.022	1.90	1.90	<.02	.02	2.3	1.9	7
25-25	1.80	E61	222	37	E1.1	E.052	E.98	E.980	<.02	E.16	--	E5.0	8
JUN													
03-04	2.40	82	96	27	.40	.013	1.50	1.40	<.02	.09	1.8	2.3	11
13-14	1.63	55	346	52	1.5	.032	.88	.880	<.02	.26	2.4	3.3	12
JUL													
09...	2.20	70	51	8	.40	.028	1.20	1.20	<.02	.03	1.6	1.0	8
AUG													
26...	2.80	109	4	2	.30	A.020	1.80	1.80	<.02	<.02	2.1	.5	7
SEP													
22-23	1.50	76	242	48	1.3	A.021	1.10	1.10	.02	.22	2.4	5.8	25

Date	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Zinc, water, unfltrd recover-able, ug/L (01092)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sampler type, code (84164)
OCT									
24...	<.5	<1	<2	<2	67	9	--	26	3044
DEC									
19...	<.5	<1	<2	<2	74	11	--	--	3044
20-20	<.5	3	4	4	466	33	82	151	4115
FEB									
13...	<.5	<1	<2	<2	61	7	--	6	3044
16-17	<.5	3	4	4	425	25	81	137	4115
APR									
02...	<.5	<1	<2	<2	74	7	--	20	3044
18-18	<.5	<1	2	<2	107	8	73	15	4115
25-25	<.5	6	6	6	1040	42	82	246	4115
JUN									
03-04	<.5	3	4	3	480	21	70	133	4115
13-14	.2	11	11	12	991	55	--	--	4115
JUL									
09...	<.5	<1	<2	<2	139	8	--	36	3044
AUG									
26...	<.5	<1	<2	<2	85	7	--	8	3044
SEP									
22-23	<.5	8	8	7	1380	49	30	314	4115

02207120 YELLOW RIVER AT GA 124, NEAR LITHONIA, GA —continued.

Date	Time	Ending time	Hydrologic condition	Hydrologic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT													
24...	1230	--	A	9	1028	3.33	133	40	7.9	9.3	96	7.4	161
DEC													
19...	0950	--	A	9	1028	3.68	196	40	9.5	10.8	96	6.8	149
20-20	1455	1500	A	J	1028	6.42	1130	40	230	11.7	110	6.4	66
FEB													
13...	1320	--	9	9	1028	3.70	218	40	8.3	11.9	102	6.8	135
16-16	1235	1245	A	J	1028	5.06	580	40	100	10.4	94	7.2	112
APR													
02...	1015	--	A	9	1028	3.73	214	40	9.0	10.6	103	6.6	146
18-18	1125	1132	A	J	1028	4.18	320	--	10	9.8	--	7.2	156
25-25	0914	0916	A	J	1028	4.90	526	--	130	9.4	--	6.7	119
MAY													
15-15	1030	1035	A	J	1028	4.22	331	40	48	8.9	95	7.0	134
JUN													
04-04	1140	1145	A	J	1028	4.48	405	40	66	8.7	100	7.0	95
14...	1523	--	5	J	1028	--	--	--	150	8.1	94	6.9	72
JUL													
09...	0845	--	9	9	1028	4.24	337	10	36	8.2	97	7.1	107
AUG													
26...	0845	--	9	9	1028	--	135	40	10	7.6	92	7.2	176

Date	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Sampler type, code (84164)
OCT			
24...	20.0	16.6	--
DEC			
19...	--	9.1	--
20-20	--	11.4	--
FEB			
13...	13.5	8.3	8000
16-16	4.5	9.9	--
APR			
02...	--	13.3	8000
18-18	--	17.6	--
25-25	--	15.3	--
MAY			
15-15	--	17.7	8000
JUN			
04-04	23.0	21.1	8000
14...	--	23.2	--
JUL			
09...	27.0	23.3	8000
AUG			
26...	24.6	24.3	8000

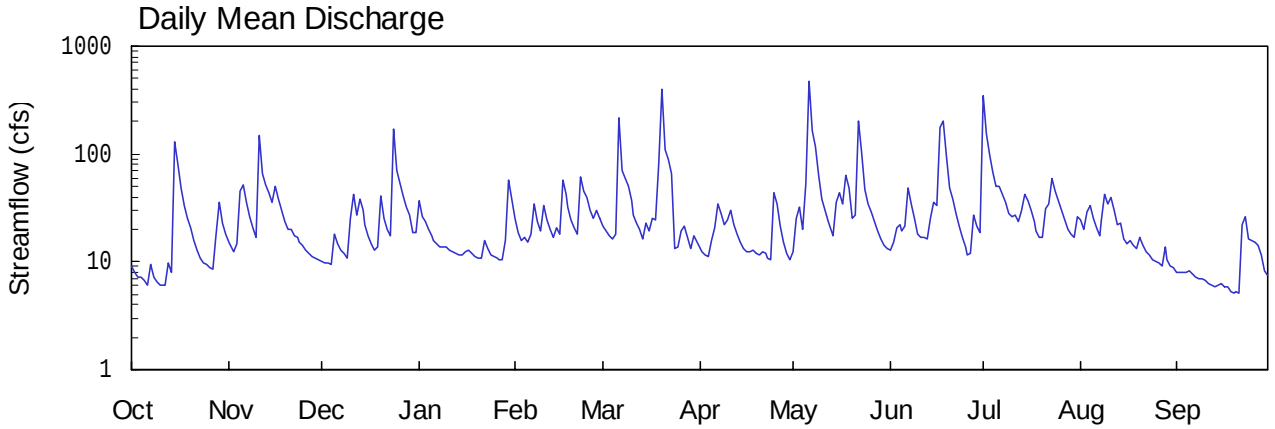
Remark codes used in this report:
- < -- Less than
- > -- Greater than
- A -- Average value
- E -- Estimated value
- S -- Most probable value

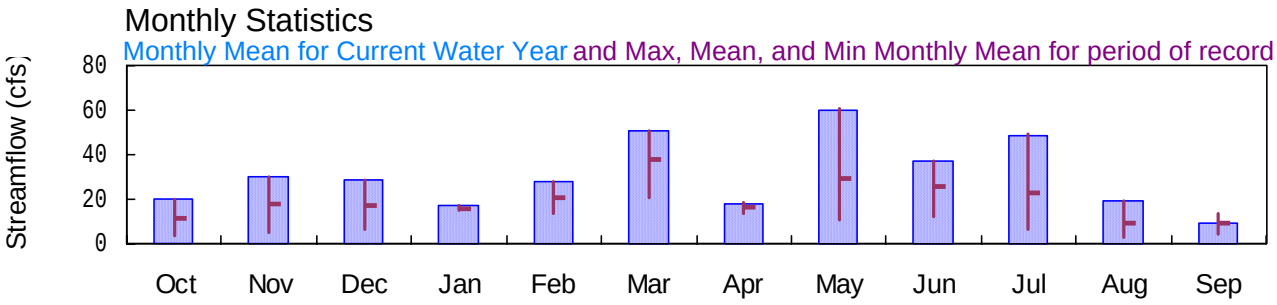
Value qualifier codes used in this report:
- a -- Value was extrapolated above
- f -- Sample field preparation problem
- q -- Insufficient sample received

2003 Water Year

02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA

Latitude: 33°46'41" Longitude: 084°02'17" Hydrologic Unit Code: 03070103 Gwinnett County
Drainage Area: 10.1 mi^2 Datum: 735 feet





ALTAMAHA RIVER BASIN
2003 Water Year

02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE, GA

LOCATION.—Lat 33°46'41", long 84°02'17" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, 5.0 feet downstream of bridge on County Road 135, and 3.4 miles east of Centerville.

DRAINAGE AREA.—10.1 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 1, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 735.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 1, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 735.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 10.20 feet, May 6; minimum gage-height recorded, 1.82 feet, September 18-20.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1* DATUM 735 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	15	10	36	26	21	13	13	13	354	25	8.1
2	8.1	13	9.9	26	19	19	13	25	15	154	20	7.9
3	7.2	12	9.6	24	16	17	12	32	21	99	29	7.9
4	7.2	15	9.3	20	17	16	11	20	22	68	33	7.9
5	6.8	45	18	17	15	18	e16	53	19	e50	25	8.4
6	6.1	53	15	16	18	220	e21	475	21	51	20	7.8
7	9.5	35	13	15	34	71	e34	164	48	42	18	7.3
8	7.2	27	12	14	24	59	28	117	34	36	24	7.0
9	6.5	20	11	14	19	51	22	63	25	28	42	6.8
10	6.1	17	25	14	33	36	25	38	18	26	34	6.7
11	e6.0	148	42	13	24	27	30	30	17	27	40	6.4
12	e6.0	66	27	12	20	23	22	24	17	24	30	6.0
13	9.7	52	38	12	17	20	18	19	16	30	22	5.9
14	8.0	44	30	12	21	16	15	17	26	42	23	6.0
15	e130	35	22	11	18	23	13	36	36	37	16	6.2
16	e80	49	17	12	58	19	12	44	34	31	15	5.9
17	48	39	15	13	43	25	12	35	178	24	16	5.8
18	33	30	13	12	33	24	13	63	199	19	14	5.3
19	25	23	14	11	25	e80	12	48	95	17	13	5.2
20	20	20	41	11	21	e400	12	26	49	17	17	5.2
21	16	20	25	11	18	110	12	27	38	31	14	5.2
22	13	18	20	16	61	90	12	204	28	34	12	22
23	11	e17	18	13	45	65	11	101	21	59	11	26
24	9.9	e15.0	169	12	39	13	11	47	17	45	11	16
25	9.3	e14	70	11	30	14	44	35	14	37	10	e16
26	8.9	e13	53	11	26	19	34	29	12	30	9.7	e15
27	8.6	12	41	11	e30	21	22	24	12	25	9.2	14
28	18	11	32	11	e25	17	15	20	28	20	14	12
29	35	11	27	16	---	13	12	16	21	18	11	8.2
30	23	10	19	58	---	17	10	14	19	17	9.1	7.3
31	18	---	19	38	---	15	---	13	---	27	8.8	---
TOTAL	610.3	899.0	884.8	523	775	1579	537	1872	1113	1519	595.8	275.4
MEAN	19.7	30.0	28.5	16.9	27.7	50.9	17.9	60.4	37.1	49.0	19.2	9.18
MAX	130	148	169	58	61	400	44	475	199	354	42	26
MIN	6.0	10	9.3	11	15	13	10	13	12	17	8.8	5.2
AC-FT	1210	1780	1760	1040	1540	3130	1070	3710	2210	3010	1180	546
CFSM	1.95	2.97	2.83	1.67	2.74	5.04	1.77	5.98	3.67	4.85	1.90	0.91
IN.	2.25	3.31	3.26	1.93	2.85	5.82	1.98	6.89	4.10	5.59	2.19	1.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	11.6	17.5	17.4	15.9	20.8	37.9	16.8	29.3	25.5	22.5	9.09	9.02
MAX	19.7	30.0	28.5	16.9	27.7	50.9	18.6	60.4	37.1	49.0	19.2	13.3
(WY)	2003	2003	2003	2003	2003	2003	2001	2003	2003	2003	2003	2002
MIN	3.57	5.12	6.30	15.0	13.9	20.9	13.8	11.0	12.3	6.77	2.94	4.54
(WY)	2002	2002	2002	2002	2002	2002	2002	2001	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	5892.9		11183.3			
ANNUAL MEAN	16.1		30.6		20.7	
HIGHEST ANNUAL MEAN					30.6	2003
LOWEST ANNUAL MEAN					10.8	2002
HIGHEST DAILY MEAN	169	Dec 24	475	May 6	475	May 6 2003
LOWEST DAILY MEAN	1.8	Aug 12	5.2	Sep 19-21	1.4	Sep 23 2001
ANNUAL SEVEN-DAY MINIMUM	2.0	Aug 8	5.5	Sep 15	2.0	Aug 8 2002
MAXIMUM PEAK FLOW			1400	May 6	1400	May 6 2003
MAXIMUM PEAK STAGE			10.20	May 6	10.20	May 6 2003
ANNUAL RUNOFF (AC-FT)	11690		22180		15030	
ANNUAL RUNOFF (CFSM)	1.60		3.03		2.05	
ANNUAL RUNOFF (INCHES)	21.70		41.19		27.90	
10 PERCENT EXCEEDS	36		51		40	
50 PERCENT EXCEEDS	10		19		12	
90 PERCENT EXCEEDS	3.6		8.9		3.9	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1* DATUM 735 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.10	2.26	2.17	2.76	2.53	2.44	2.24	2.21	2.17	5.74	2.34	1.94
2	2.06	2.21	2.17	2.55	2.39	2.39	2.22	2.51	2.22	4.83	2.25	1.94
3	2.03	2.19	2.16	2.49	2.32	2.35	2.20	2.64	2.35	3.98	2.45	1.94
4	2.03	2.25	2.15	2.41	2.35	2.33	2.19	2.39	2.37	---	2.53	1.94
5	2.02	2.89	2.37	2.36	2.31	2.37	---	2.93	2.32	2.87	2.36	1.95
6	1.99	3.08	2.29	2.32	2.37	5.11	---	6.59	2.36	2.95	2.25	1.93
7	2.10	2.70	2.25	2.30	2.71	3.51	---	4.70	2.91	2.74	2.19	1.92
8	2.03	2.51	2.23	2.28	2.49	3.25	2.56	4.12	2.62	2.60	2.34	1.91
9	2.01	2.37	2.21	2.27	2.40	3.06	2.44	3.19	2.44	2.41	2.74	1.90
10	1.99	2.29	2.51	2.27	2.69	2.76	2.49	2.71	2.29	2.38	2.56	1.89
11	---	4.21	2.89	2.25	2.50	2.57	2.61	2.55	2.26	2.39	2.68	1.88
12	---	3.39	2.57	2.24	2.41	2.47	2.44	2.42	2.27	2.33	2.46	1.87
13	2.11	3.09	2.80	2.23	2.35	2.41	2.35	2.31	2.25	2.47	2.29	1.86
14	2.06	2.92	2.62	2.22	2.43	2.33	2.29	2.27	2.45	2.75	2.31	1.87
15	---	2.73	2.45	2.21	2.37	2.47	2.24	2.65	2.66	2.62	2.16	1.88
16	---	3.04	2.36	2.23	3.21	2.40	2.22	2.81	2.62	2.47	2.12	1.87
17	2.97	2.81	2.30	2.25	2.90	2.53	2.21	2.64	4.62	2.32	2.15	1.86
18	2.66	2.62	2.25	2.22	2.68	2.50	2.23	3.18	4.86	2.23	2.12	1.84
19	2.48	2.49	2.26	2.21	2.51	---	2.20	2.90	3.74	2.18	2.09	1.84
20	2.37	2.40	2.85	2.20	2.42	---	2.20	2.45	2.92	2.17	2.17	1.84
21	2.27	2.41	2.53	2.20	2.37	4.20	2.22	2.47	2.71	2.48	2.11	1.84
22	2.20	2.36	2.40	2.32	3.25	3.86	2.20	4.78	2.51	2.56	2.07	2.25
23	2.15	---	2.36	2.26	2.95	3.36	2.18	3.84	2.36	3.12	2.04	2.37
24	2.12	---	4.38	2.22	2.81	2.25	2.17	2.88	2.26	2.81	2.02	2.16
25	2.10	---	3.48	2.20	2.63	2.25	2.90	2.64	2.19	2.62	2.01	---
26	2.09	---	3.11	2.20	2.54	2.37	2.70	2.52	2.14	2.46	2.00	---
27	2.08	2.23	2.85	2.19	---	2.41	2.43	2.41	2.14	2.34	1.98	2.09
28	2.31	2.21	2.66	2.19	---	2.32	2.29	2.32	2.49	2.24	2.09	2.05
29	2.70	2.20	2.56	2.31	---	2.24	2.21	2.25	2.36	2.19	2.02	1.95
30	2.43	2.19	2.38	3.22	---	2.33	2.16	2.21	2.30	2.17	1.98	1.92
31	2.32	---	2.39	2.78	---	2.28	---	2.18	---	2.39	1.97	---
MEAN	---	---	2.55	2.33	---	---	---	2.92	2.61	---	2.22	---
MAX	---	---	4.38	3.22	---	---	---	6.59	4.86	---	2.74	---
MIN	---	---	2.15	2.19	---	---	---	2.18	2.14	---	1.97	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1* DATUM 735 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.01	0.00	0.38	0.00	0.02	0.00	0.24	0.00	4.29	0.02	0.00
2	0.01	0.01	0.02	0.15	0.00	0.01	0.00	1.13	0.00	0.02	0.00	0.03
3	0.01	0.37	0.01	0.02	0.00	0.00	0.01	0.01	0.50	0.01	0.37	0.02
4	0.17	0.14	0.04	0.00	0.18	0.03	0.00	0.00	0.27	0.00	0.03	0.03
5	0.00	1.75	0.45	0.00	0.00	1.04	---	2.93	0.01	0.17	0.03	0.02
6	0.00	0.02	0.00	0.00	0.77	1.78	---	2.52	0.76	0.01	0.04	0.01
7	0.49	0.01	0.00	0.00	0.07	0.04	---	0.51	0.78	0.00	0.21	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.01	0.00	0.00	0.53	0.01
9	0.01	0.02	0.02	0.07	0.10	0.00	0.09	0.00	0.01	0.00	0.01	0.01
10	0.00	0.01	1.20	0.03	0.50	0.00	0.50	0.00	0.00	0.37	0.02	0.00
11	---	2.20	0.03	0.00	0.00	0.01	0.02	0.22	0.24	0.01	1.02	0.01
12	---	0.48	0.01	0.00	0.00	0.03	0.00	0.01	0.03	0.00	0.00	0.00
13	1.06	0.02	0.69	0.00	0.00	0.00	0.00	0.00	0.19	0.36	0.00	0.00
14	0.02	0.00	0.01	0.00	0.04	0.00	0.00	0.01	0.34	0.01	0.01	0.20
15	3.22	0.24	0.00	0.00	0.01	0.45	0.00	1.18	0.00	0.01	0.00	0.01
16	0.06	0.70	0.00	0.17	1.31	0.00	0.01	0.33	0.34	0.00	0.07	0.00
17	0.00	0.00	0.00	0.01	0.01	0.59	0.16	0.18	1.94	0.00	0.00	0.02
18	0.01	0.01	0.00	0.00	0.00	0.04	0.00	0.59	1.32	0.01	0.00	0.00
19	0.00	0.04	0.83	0.00	0.00	2.30	0.01	0.18	0.13	0.00	0.04	0.00
20	0.31	0.03	0.07	0.00	0.00	0.98	0.00	0.03	0.01	0.29	0.26	0.00
21	0.02	0.25	0.00	0.08	0.11	0.00	0.34	0.31	0.00	0.05	0.00	0.00
22	0.00	0.00	0.01	0.22	1.12	0.00	0.01	1.78	0.00	0.37	0.00	1.55
23	0.00	---	0.04	0.00	0.01	0.00	0.00	0.01	0.00	0.79	0.00	0.02
24	0.01	---	2.31	0.00	0.00	0.00	0.16	0.00	0.00	0.01	0.00	0.00
25	0.05	---	0.03	0.00	0.00	0.01	1.19	0.15	0.00	0.00	0.00	---
26	0.00	---	0.00	0.00	0.41	0.35	0.01	0.06	0.00	0.10	0.00	---
27	0.01	0.00	0.01	0.00	---	0.01	0.00	0.00	0.07	0.00	0.00	0.89
28	1.00	0.00	0.00	0.01	---	0.00	0.00	0.00	0.63	0.00	1.11	0.00
29	0.32	0.00	0.00	0.84	---	0.05	0.01	0.01	0.00	0.01	0.02	0.00
30	0.01	0.00	0.00	0.74	---	0.26	0.01	0.00	0.29	0.25	0.05	0.01
31	0.00	---	0.40	0.01	---	0.00	---	0.00	---	0.55	0.00	---
TOTAL	---	---	6.18	2.73	---	8.00	---	12.40	7.86	7.69	3.84	---

ALTAMAHA RIVER BASIN
2003 Water Year

02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE, GA

LOCATION.—Lat 33°46'41", long 84°02'17" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, 5.0 feet downstream of bridge on CR 135, and 3.4 miles east of Centerville.

DRAINAGE AREA.—10.1 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIOD OF RECORD.— March 1, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: March 1, 2001 to current year.
WATER TEMPERATURE: March 1, 2001 to current year.
TURBIDITY: March 2, 2001 to current year.

INSTRUMENTATION.— Satellite telemetry with a continuous water-quality monitor.

REMARKS.— Records fair, except turbidity, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 266 microsiemens, September 16, 2002; minimum recorded, 21 microsiemens, March 30, 31, 2002.
WATER TEMPERATURE: Maximum recorded 26.7°C, July 29, 2002; minimum recorded, 1.4°C, January 4, 2002.
TURBIDITY: Maximum recorded, >2,200 NTU, March 30, 2002 and June 13, 2002; minimum recorded, <2.0 NTU, on many days.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum, 168 microsiemens, September 23; minimum, 24 microsiemens, May 22.
WATER TEMPERATURE: Maximum 26.6°C, August 14; minimum, 1.4°C, January 24.
TURBIDITY: Maximum, >1,200 NTU, on several days; minimum, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1 DATUM 735 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	131	128	129	144	135	139	108	103	106	90	65	80
2	132	130	131	142	135	140	109	107	108	92	90	91
3	134	131	132	146	133	142	110	108	109	90	86	89
4	134	120	131	133	126	130	112	108	110	89	88	88
5	132	121	128	135	79	111	115	86	102	91	89	90
6	135	132	133	128	83	115	122	111	117	92	90	91
7	134	99	117	131	120	127	122	116	120	94	92	92
8	136	129	133	120	107	114	123	120	121	96	94	95
9	137	135	136	107	104	105	122	118	120	98	96	96
10	139	137	138	105	103	103	118	75	108	101	98	100
11	---	---	---	104	34	72	119	76	106	103	101	102
12	---	---	---	78	70	74	117	98	108	105	103	104
13	---	---	---	78	69	76	98	68	81	106	103	105
14	162	155	159	82	77	79	101	89	98	107	105	106
15	---	---	---	89	82	85	102	97	99	109	107	108
16	141	103	119	89	72	79	99	95	97	110	105	109
17	149	122	140	86	81	84	97	93	95	114	106	110
18	150	135	145	88	85	86	95	93	95	116	113	114
19	138	131	134	88	85	86	98	78	95	117	114	115
20	137	122	132	86	83	85	95	61	84	118	115	117
21	138	127	132	86	81	83	95	93	95	117	115	116
22	141	130	134	90	86	88	93	91	92	119	102	111
23	144	135	140	---	---	---	91	81	89	124	119	121
24	145	140	142	---	---	---	89	32	66	124	118	121
25	142	137	141	---	---	---	86	69	77	119	116	118
26	144	140	142	---	---	---	69	62	65	117	115	116
27	145	140	142	92	87	89	65	62	63	117	114	115
28	146	80	131	94	88	92	69	65	67	117	113	115
29	136	90	117	97	93	96	75	65	70	115	84	108
30	138	131	135	103	97	101	82	75	78	89	76	83
31	141	133	137	---	---	---	89	81	84	102	89	93
MONTH	---	---	---	---	---	---	123	32	94	124	65	104

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1 DATUM 735 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	116	99	106	95	92	94	95	93	94	99	79	96
2	107	103	104	98	95	96	96	93	94	96	66	86
3	106	102	104	99	96	98	95	93	94	105	73	94
4	107	97	103	100	98	99	96	94	95	103	101	102
5	109	107	107	104	52	101	97	80	91	101	42	87
6	109	83	104	64	30	51	---	---	---	---	---	---
7	109	77	97	67	60	64	---	---	---	---	---	---
8	110	109	109	62	58	60	100	94	98	---	---	---
9	109	104	106	62	56	60	99	96	98	---	---	---
10	104	77	91	67	62	64	99	78	93	76	68	72
11	103	101	102	70	67	67	99	77	92	80	73	76
12	102	100	101	74	69	70	97	96	96	77	74	76
13	101	98	100	76	72	73	97	94	96	79	77	78
14	99	86	94	77	76	77	95	93	94	83	79	81
15	98	91	96	79	72	75	97	93	95	89	63	73
16	99	53	81	87	79	82	100	95	96	92	72	84
17	105	97	103	88	72	79	102	97	98	88	79	85
18	100	90	94	85	78	83	100	97	98	85	63	75
19	90	86	87	85	32	76	102	98	100	84	70	76
20	91	85	87	45	28	37	107	102	104	74	72	73
21	94	90	92	50	41	44	104	98	102	76	74	75
22	94	46	79	59	50	53	104	101	103	75	24	47
23	89	85	87	68	58	62	105	102	104	63	41	51
24	85	73	82	69	61	65	105	103	104	61	53	56
25	81	79	80	74	65	70	105	66	87	68	60	63
26	84	80	81	80	74	77	110	75	104	73	65	68
27	---	77	80	106	80	84	108	99	103	74	70	72
28	92	---	---	89	85	87	100	97	99	76	70	74
29	---	---	---	91	88	89	100	96	98	78	75	77
30	---	---	---	91	86	89	99	96	97	79	76	78
31	---	---	---	94	91	92	---	---	---	84	79	80
MONTH	---	---	---	106	28	75	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1 DATUM 735 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	88	83	84	85	30	52	101	77	94	124	119	122
2	85	83	83	43	36	41	104	99	101	127	120	124
3	88	72	80	52	42	46	101	55	89	130	124	127
4	99	86	92	68	51	58	100	92	97	130	123	125
5	99	95	96	71	---	---	95	87	91	133	129	131
6	97	70	90	73	61	68	88	86	88	133	130	131
7	92	55	76	70	63	65	88	86	87	132	129	130
8	93	85	90	71	66	68	94	52	85	131	129	130
9	87	82	85	77	69	72	102	59	93	132	128	130
10	88	83	86	77	69	73	95	78	84	132	130	131
11	87	84	86	80	70	75	82	53	74	134	130	131
12	91	83	87	81	79	80	78	67	74	136	131	132
13	95	89	92	82	54	79	81	75	79	136	132	133
14	97	61	86	---	55	---	83	76	80	136	133	134
15	104	89	99	81	68	75	86	83	84	138	133	135
16	95	68	87	73	68	71	87	85	85	139	134	137
17	84	27	45	76	72	74	91	87	88	137	131	133
18	55	25	42	80	76	77	93	91	92	141	136	138
19	45	36	41	82	78	80	96	92	94	142	137	139
20	58	45	53	82	78	81	97	88	93	142	139	140
21	64	57	61	98	80	89	100	96	98	143	140	141
22	67	63	65	91	69	84	104	100	102	142	65	114
23	73	67	70	80	56	67	108	104	105	168	84	152
24	78	72	75	70	64	68	109	106	107	167	152	160
25	82	78	79	71	67	69	112	109	110	152	---	---
26	88	82	84	73	69	71	114	111	113	---	135	---
27	89	83	86	77	72	74	116	113	114	135	74	122
28	94	61	79	83	76	79	116	67	106	120	86	109
29	99	94	97	90	83	86	117	100	111	124	120	121
30	99	81	93	91	85	88	120	114	118	124	123	123
31	---	---	---	90	64	84	122	117	120	---	---	---
MONTH	104	25	79	---	---	---	122	52	95	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1 DATUM 735 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.8	21.0	21.9	15.6	13.8	14.7	9.4	6.8	7.8	10.8	10.0	10.4
2	23.1	21.1	22.2	14.5	12.9	13.9	8.7	5.6	7.2	11.0	10.0	10.5
3	23.2	21.1	22.1	14.5	13.4	14.0	9.8	6.7	8.4	10.8	7.7	9.3
4	22.9	21.3	22.2	14.9	14.1	14.4	9.5	7.2	8.6	8.5	6.6	7.5
5	24.0	22.2	22.9	14.6	13.8	14.3	8.2	6.6	7.4	9.5	6.6	7.9
6	---	21.3	---	14.8	13.5	14.5	8.2	6.5	7.4	8.4	6.6	7.5
7	23.3	21.7	22.4	14.1	12.6	13.3	7.7	5.1	6.4	7.8	5.7	6.7
8	21.9	19.8	21.0	14.1	11.8	13.0	8.0	5.3	6.6	9.0	6.0	7.4
9	19.8	18.7	19.1	15.1	12.5	13.9	8.4	7.0	7.6	10.7	7.3	8.9
10	19.7	18.9	19.3	16.5	15.1	15.7	8.1	7.6	7.8	10.2	7.7	9.4
11	---	19.5	---	18.0	16.5	16.9	8.5	7.8	8.2	7.7	5.8	6.8
12	---	---	---	16.9	15.7	16.5	8.9	8.0	8.3	6.7	5.0	5.9
13	---	---	---	15.7	14.1	14.9	9.0	8.1	8.6	7.3	5.5	6.3
14	20.5	18.7	19.6	14.8	13.0	13.9	8.5	7.1	7.9	8.0	4.9	6.4
15	---	---	---	14.6	12.6	13.7	8.6	6.2	7.3	6.8	4.9	5.9
16	17.7	16.8	17.4	14.4	13.5	14.2	9.4	6.3	7.8	6.3	4.1	5.3
17	16.9	15.7	16.4	13.5	11.2	12.5	9.7	7.4	8.5	6.2	4.0	5.3
18	16.8	15.0	15.9	12.5	10.3	11.4	9.6	8.3	8.9	4.5	2.2	3.5
19	17.0	15.0	16.0	12.5	10.9	11.6	11.2	8.9	9.6	5.5	3.0	4.1
20	17.4	15.8	16.6	12.7	11.4	12.1	11.4	8.5	10.2	7.7	3.2	5.4
21	18.0	17.2	17.5	13.6	12.0	12.8	9.7	7.4	8.4	10.1	7.3	8.8
22	17.3	16.5	17.1	12.0	9.7	11.0	10.8	7.6	9.0	9.8	8.2	9.1
23	16.5	16.1	16.3	---	---	---	10.1	7.4	8.9	8.2	2.9	5.5
24	17.2	16.0	16.6	---	---	---	9.9	8.7	9.4	4.3	1.4	2.9
25	16.9	16.3	16.5	---	---	---	9.5	7.6	8.7	5.8	2.7	4.2
26	17.3	16.2	16.8	---	---	---	7.8	6.7	7.3	6.8	4.6	5.4
27	17.8	16.4	17.2	11.6	8.7	10.5	7.8	6.0	6.8	5.8	3.4	4.6
28	19.2	17.8	18.2	9.3	7.2	8.3	8.0	5.8	6.8	6.9	2.8	4.9
29	19.4	18.2	18.8	9.3	6.5	8.1	8.8	6.0	7.2	8.3	6.5	7.4
30	18.7	16.6	17.9	11.1	9.1	9.8	9.2	6.4	7.7	9.2	8.2	8.6
31	16.6	15.2	16.0	---	---	---	10.8	8.1	9.4	9.6	8.1	8.8
MONTH	---	---	---	---	---	---	11.4	5.1	8.1	11.0	1.4	6.8

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1 DATUM 735 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.8	7.9	8.6	10.6	10.1	10.3	16.4	10.0	13.1	21.2	18.8	20.0
2	10.7	7.0	8.7	12.2	9.9	10.9	17.7	12.1	14.7	21.8	19.0	20.3
3	11.5	7.5	9.6	11.5	8.1	9.9	18.6	12.7	15.5	20.2	19.1	19.6
4	11.5	9.1	10.7	12.3	8.6	10.6	19.4	14.1	16.7	20.8	18.0	19.5
5	9.9	7.3	8.6	13.1	11.5	12.2	18.3	16.1	17.1	20.1	19.1	19.7
6	8.8	7.7	8.3	13.0	12.3	12.6	---	---	---	19.5	18.8	19.0
7	8.9	7.4	8.0	14.5	12.0	12.9	---	---	---	19.3	18.7	19.0
8	8.3	6.2	7.2	13.5	12.3	12.8	16.0	14.3	15.1	---	---	---
9	9.4	6.4	7.9	15.0	12.5	13.3	14.3	13.2	13.8	21.5	---	---
10	9.7	7.5	8.5	15.2	12.0	13.2	13.2	11.9	12.4	22.2	20.8	21.5
11	9.8	6.3	7.8	15.4	11.2	13.0	14.2	11.3	12.7	21.8	19.8	21.1
12	10.4	6.7	8.3	16.5	11.5	13.8	16.7	11.4	13.9	20.3	18.7	19.4
13	10.2	6.5	8.2	17.4	13.5	15.2	18.1	12.9	15.3	20.0	17.2	18.7
14	9.5	7.3	8.4	15.6	14.2	14.9	18.9	13.5	16.1	18.8	17.7	18.2
15	11.5	8.9	10.1	14.2	12.7	13.3	19.4	15.1	17.2	19.3	17.8	18.6
16	11.0	8.0	9.2	15.8	12.9	13.9	19.2	15.4	17.3	20.5	18.8	19.6
17	8.5	7.8	8.1	14.2	13.2	13.7	18.1	15.9	17.2	21.6	20.1	20.8
18	9.6	7.4	8.2	14.7	13.9	14.3	18.2	16.6	17.4	21.1	19.7	20.1
19	9.9	6.9	8.2	15.0	14.1	14.7	17.4	15.7	16.6	19.7	16.9	18.0
20	11.7	8.3	9.8	14.1	13.1	13.4	17.5	16.6	16.9	18.1	16.6	17.2
21	11.1	10.0	10.6	14.7	13.2	13.8	17.8	16.5	17.1	18.6	17.8	18.3
22	13.6	10.8	12.1	15.3	13.5	14.3	17.8	15.2	16.4	18.7	18.2	18.5
23	12.4	9.9	11.0	16.3	13.4	14.7	17.5	13.7	15.7	19.4	18.1	18.6
24	13.4	9.6	11.2	16.8	11.8	14.1	16.9	13.9	15.6	19.8	18.3	19.0
25	12.8	10.7	11.5	17.3	12.1	14.4	18.0	15.3	16.6	20.4	18.5	19.4
26	11.0	9.8	10.4	17.8	13.8	15.8	18.3	16.5	17.4	20.7	19.5	20.0
27	9.8	8.9	9.2	19.0	15.5	17.0	19.3	16.1	17.8	20.3	18.7	19.5
28	---	---	---	18.6	16.6	17.5	19.8	16.6	18.3	20.4	17.8	19.2
29	---	---	---	18.2	14.7	16.7	20.3	17.0	18.8	20.2	18.2	19.2
30	---	---	---	15.4	12.0	13.8	20.8	18.0	19.5	20.1	17.4	18.9
31	---	---	---	14.8	10.3	12.3	---	---	---	21.3	18.5	19.8
MONTH	---	---	---	19.0	8.1	13.7	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1 DATUM 735 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.4	18.5	19.4	22.6	21.1	21.7	25.5	23.8	24.4	25.2	23.6	24.2
2	20.1	17.3	18.9	21.7	21.2	21.4	24.9	23.8	24.3	24.6	23.0	23.8
3	21.0	19.6	20.3	22.4	21.1	21.7	25.2	23.6	24.2	24.5	23.1	23.9
4	22.1	20.5	21.2	23.5	21.9	22.7	25.3	24.3	24.7	24.8	23.1	23.9
5	21.5	19.4	20.6	23.7	22.6	23.0	25.3	24.2	24.7	24.1	22.7	23.4
6	21.8	20.0	20.8	24.0	23.0	23.4	24.7	23.2	24.1	23.2	21.7	22.6
7	22.3	20.9	21.5	24.5	23.0	23.8	24.2	22.6	23.3	21.8	20.7	21.3
8	23.1	21.9	22.4	25.2	23.5	24.3	24.0	22.7	23.3	21.9	19.7	20.9
9	23.2	21.0	22.0	25.3	23.7	24.5	25.2	23.1	24.2	22.2	19.8	21.0
10	23.3	20.5	22.0	24.4	23.1	23.9	25.2	23.5	24.3	21.8	20.1	21.0
11	23.9	21.8	22.8	24.2	22.6	23.4	24.7	23.3	23.9	21.6	19.5	20.6
12	23.6	21.9	22.7	24.5	22.5	23.6	24.1	22.9	23.5	21.6	19.3	20.4
13	23.4	22.1	22.5	24.8	22.8	23.8	24.4	23.1	23.7	21.8	18.9	20.2
14	23.3	22.0	22.5	25.0	22.7	24.2	26.6	23.1	24.6	22.0	20.0	21.0
15	24.6	22.9	23.7	25.2	23.5	24.4	25.4	23.7	24.6	22.7	20.7	21.7
16	24.6	23.2	23.9	25.1	23.6	24.4	25.6	24.2	24.7	21.7	19.6	20.7
17	24.4	21.5	22.8	25.4	23.7	24.6	25.5	23.4	24.5	21.7	19.4	20.4
18	23.2	22.0	22.7	25.4	23.9	24.6	25.6	23.8	24.8	20.9	17.8	19.4
19	23.0	22.2	22.5	25.3	23.5	24.4	25.5	24.0	24.9	21.2	18.1	19.5
20	23.6	22.1	22.8	25.4	23.6	24.5	25.2	24.1	24.7	21.8	19.1	20.5
21	23.3	20.9	22.1	26.3	24.3	25.3	25.5	23.9	24.7	21.7	19.5	20.6
22	23.1	20.4	21.9	25.3	24.3	24.8	25.5	23.5	24.5	22.4	21.3	21.7
23	23.4	20.9	22.2	24.7	23.0	24.1	25.6	23.6	24.6	22.7	21.0	21.8
24	23.6	21.3	22.5	24.8	22.9	23.8	25.4	23.6	24.7	21.9	19.7	20.9
25	23.7	21.6	22.6	25.2	22.9	24.1	25.2	24.1	24.5	---	---	---
26	23.5	21.6	22.5	25.2	23.6	24.3	25.4	23.2	24.4	---	---	---
27	23.1	21.5	22.5	25.3	23.4	24.3	25.5	23.5	24.5	22.1	19.6	20.9
28	23.6	21.6	22.5	25.5	23.6	24.6	26.1	23.6	24.6	21.3	18.2	20.0
29	24.0	22.5	23.2	25.6	23.9	24.7	25.3	23.3	24.3	18.2	16.1	17.2
30	23.5	22.6	23.0	24.7	23.8	24.2	25.1	23.5	24.3	---	15.2	---
31	---	---	---	25.1	23.4	24.0	25.3	23.4	24.4	---	---	---
MONTH	24.6	17.3	22.1	26.3	21.1	23.9	26.6	22.6	24.4	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1 DATUM 735 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.5	<5.0	<5.0	28	<5.0	9.5	---	---	---	380	21	37
2	8.7	<5.0	<5.0	16	<5.0	6.5	---	---	---	23	15	18
3	8.0	<5.0	<5.0	21	<5.0	6.5	---	---	---	27	15	18
4	56	<5.0	6.5	30	5.8	9.3	22	<5.0	5.8	21	13	15
5	---	---	---	337	<5.0	97	85	5.6	16	20	12	14
6	---	---	---	146	---	37	16	5.7	8.2	21	11	13
7	---	---	---	19	11	13	13	5.2	7.5	19	10	12
8	---	---	---	15	9.9	12	13	5.3	8.0	19	9.2	11
9	---	---	---	13	7.8	9.7	15	5.8	8.9	16	8.8	10
10	---	---	---	11	6.5	7.9	175	5.3	10	16	7.6	8.9
11	---	---	---	>1200	6.9	92	131	16	26	14	7.1	8.8
12	---	---	---	114	56	65	45	14	19	16	6.9	7.9
13	---	---	---	70	44	51	126	13	38	11	6.7	7.5
14	---	---	---	49	30	38	32	10	12	13	6.2	8.0
15	---	---	---	40	23	27	---	---	---	12	6.3	7.9
16	159	52	61	101	26	45	---	---	---	---	---	---
17	68	29	38	29	19	23	---	---	---	---	---	---
18	39	23	27	28	17	19	9.4	<5.0	5.2	10	5.3	5.8
19	26	15	20	21	15	18	261	<5.0	<5.0	10	5.8	7.3
20	34	11	16	24	14	16	297	12	25	10	5.1	5.7
21	18	8.9	11	25	14	17	13	7.5	9.6	9.9	<5.0	5.2
22	13	6.3	9.2	40	12	15	12	6.9	8.2	25	5.8	12
23	15	5.1	7.5	---	---	---	15	6.9	8.7	17	5.3	6.4
24	17	<5.0	6.8	---	---	---	>1200	8.5	59	11	<5.0	5.5
25	13	<5.0	6.0	---	---	---	102	44	64	12	<5.0	5.2
26	16	<5.0	5.2	---	---	---	64	52	56	6.8	<5.0	5.3
27	17	<5.0	5.4	16	7.0	8.3	56	44	49	6.8	<5.0	5.1
28	1130	<5.0	8.8	17	6.4	7.9	48	36	40	10	<5.0	5.0
29	242	19	46	16	6.2	8.2	66	28	37	250	<5.0	8.5
30	42	10	18	15	6.1	7.7	41	20	25	232	35	86
31	24	7.1	11	---	---	---	59	14	22	39	19	25
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1 DATUM 735 NGVD29
Date Processed: 2004-03-17 14:05 By jkjoiner
APPROVED
DD #6, DCP
Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	27	11	14	18	11	13	18	8.0	12	362	5.9	12
2	23	10	13	15	9.6	11	26	8.8	12	1090	11	30
3	19	8.2	10	18	8.8	10	36	8.1	11	266	17	32
4	28	8.4	10	20	7.3	9.3	21	6.8	10	23	8.2	11
5	16	6.3	8.1	879	7.6	11	687	7.2	14	>1200	6.9	10
6	67	6.0	7.6	>1200	116	190	---	---	---	---	---	---
7	72	12	19	120	78	94	---	25	---	---	---	---
8	13	7.9	9.5	107	74	83	30	11	14	---	---	---
9	14	6.1	7.8	135	57	75	20	8.5	12	---	---	---
10	97	9.6	23	59	35	51	175	8.1	12	---	---	---
11	15	7.9	9.5	43	26	34	99	13	28	---	---	---
12	10	6.3	7.7	33	22	26	123	8.9	13	---	---	---
13	30	6.1	7.5	28	18	20	18	7.3	10	22	13	15
14	245	6.4	11	21	12	16	140	8.3	12	24	11	16
15	65	13	24	60	14	26	190	8.0	18	157	13	34
16	635	13	66	21	12	16	34	11	16	693	24	34
17	37	17	20	90	13	32	29	6.5	12	95	16	23
18	27	17	20	26	12	16	21	6.2	10	502	28	75
19	22	15	17	>1200	12	38	16	<5.0	7.8	131	23	45
20	21	12	15	>1200	139	223	16	<5.0	7.5	26	16	18
21	30	11	13	189	120	149	112	6.4	10	33	14	17
22	>1200	11	56	123	78	94	53	5.7	11	>1200	---	---
23	46	34	38	80	46	64	20	<5.0	7.5	---	60	---
24	53	27	34	49	31	37	26	5.6	8.7	64	37	48
25	35	22	26	56	25	36	893	8.8	87	40	24	32
26	34	19	23	446	25	33	170	12	21	27	18	21
27	44	19	26	45	19	24	19	7.9	12	41	14	17
28	---	---	---	28	13	18	18	6.5	9.7	123	12	15
29	---	---	---	22	12	15	24	6.4	9.7	19	10	12
30	---	---	---	30	14	18	34	6.7	12	17	8.6	10
31	---	---	---	21	10	14	---	---	---	13	7.7	9.4
MAX	---	---	---	1200	139	223	---	---	---	---	---	---
MIN	---	---	---	15	7.3	9.3	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334641 LONGITUDE 0840217 NAD27 DRAINAGE AREA 10.1 CONTRIBUTING DRAINAGE AREA 10.1 DATUM 735 NGVD29
Date Processed: 2004-03-17 14:05 By jkjoiner
APPROVED
DD #6, DCP
Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16	7.2	8.7	655	12	230	55	5.5	9.4	8.6	<5.0	<5.0
2	18	6.5	8.3	>1200	77	154	11	<5.0	5.4	8.0	<5.0	<5.0
3	90	7.6	29	104	45	64	287	<5.0	19	5.5	<5.0	<5.0
4	115	8.9	13	55	21	35	28	7.3	11	6.4	<5.0	<5.0
5	83	7.4	11	75	16	21	19	5.4	8.1	6.9	<5.0	<5.0
6	665	6.3	9.6	66	20	25	24	<5.0	6.0	8.3	<5.0	<5.0
7	304	23	54	22	13	15	25	<5.0	5.2	8.0	<5.0	<5.0
8	31	14	17	24	8.2	12	472	<5.0	5.2	---	---	---
9	17	10	12	18	<5.0	7.4	104	19	23	6.7	<5.0	<5.0
10	27	7.1	9.3	89	<5.0	6.7	27	12	17	8.7	<5.0	<5.0
11	76	6.7	9.2	35	<5.0	5.8	775	6.7	14	---	---	---
12	20	6.5	8.9	11	<5.0	<5.0	61	8.4	14	---	---	---
13	16	6.6	9.0	766	<5.0	<5.0	14	5.1	8.5	5.5	<5.0	<5.0
14	438	6.5	31	444	12	26	76	6.8	11	15	<5.0	<5.0
15	32	13	17	26	13	17	13	5.5	9.0	9.7	<5.0	<5.0
16	155	10	17	17	5.8	9.1	12	5.2	7.3	9.2	<5.0	<5.0
17	>1200	20	74	10	<5.0	5.5	11	<5.0	6.4	9.4	<5.0	<5.0
18	---	---	---	7.4	<5.0	<5.0	10	<5.0	5.0	6.6	<5.0	<5.0
19	---	---	---	12	<5.0	<5.0	11	<5.0	5.2	5.7	<5.0	<5.0
20	55	31	36	80	<5.0	<5.0	31	<5.0	6.6	6.2	<5.0	<5.0
21	33	19	24	25	5.3	9.3	14	<5.0	5.0	7.0	<5.0	<5.0
22	25	12	16	208	<5.0	9.2	8.7	<5.0	<5.0	395	<5.0	<5.0
23	16	7.7	11	690	18	59	7.3	<5.0	<5.0	111	6.7	14
24	13	<5.0	6.8	285	18	28	15	<5.0	<5.0	9.7	<5.0	5.2
25	11	<5.0	5.8	41	9.8	17	7.9	<5.0	<5.0	---	---	---
26	33	<5.0	5.3	32	5.3	10	9.5	<5.0	<5.0	---	---	---
27	59	<5.0	<5.0	---	---	---	7.0	<5.0	<5.0	613	<5.0	<5.0
28	213	9.3	19	---	---	---	681	<5.0	<5.0	193	5.7	13
29	13	<5.0	5.3	13	<5.0	<5.0	47	<5.0	7.3	12	<5.0	<5.0
30	40	<5.0	6.0	152	<5.0	<5.0	9.4	<5.0	<5.0	---	<5.0	---
31	---	---	---	500	<5.0	16	8.5	<5.0	<5.0	---	---	---
MAX	---	---	---	---	---	---	775	19	23	---	---	---
MIN	---	---	---	---	---	---	7.0	5.0	5.0	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

ALTAMAHA RIVER BASIN
2003 Water Year

02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE, GA

LOCATION. -- Lat. 33°46'41", long 84°02'17" North American Datum (NAD) 1927, Hydrologic Unit Code 03070103, Gwinnett County, on Lee Road, 2.0 miles East of GA 124.

DRAINAGE AREA. – 10.14 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.— March 11, 1999 to current year.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory and Missouri District Water Quality Laboratory. Field values with analyzing agency code 1028 are median values of cross-section field data at the time of sample collection. Field determinations of discharge, specific conductance, pH, water temperature, air temperature, dissolved oxygen, and turbidity by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Hydrologic condition	Hydrologic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, NTU (00076)	pH, water, unfltrd field, std units (00400)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)
OCT													
24...	1335	--	9	9	81213	2.12	9.9	10	6.1	7.1	109	78	4
DEC													
10-10	2200	2210	A	J	81213	3.67	79	10	130	6.5	70	63	126
19...	1415	--	9	9	81213	2.23	12	10	5.3	6.9	96	66	<1
FEB													
13...	1415	--	9	9	81213	2.34	17	10	6.6	7.0	97	67	2
16-16	1155	1205	A	J	81213	4.40	122	10	200	5.2	130	42	207
APR													
04...	1025	--	9	9	81213	2.20	12	10	9.0	6.8	95	62	6
05-05	1210	1215	A	J	81213	2.60	30	10	110	6.8	82	55	96
MAY													
15-15	0950	1000	A	J	81213	2.89	48	10	120	6.8	65	45	93
JUL													
09...	1015	--	9	9	81213	2.47	30	10	11	7.0	71	54	12
AUG													
18...	0930	--	9	9	81213	2.14	15	10	5.6	6.5	104	65	4
SEP													
22-22	1530	1540	8	J	81213	2.10	14	10	150	7.1	102	72	72

02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE, GA—continued.

Date	Residue volatile, suspended, mg/L (00535)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sampler type, code (84164)
OCT													
24...	2	.30	.032	1.60	1.60	<.02	<.02	1.9	3.1	95	--	18	3044
DEC													
10-10	24	1.3	.178	1.10	1.20	.10	.22	2.5	3.4	1300	63	199	3044
19...	<1	.30	.025	1.50	1.50	<.02	<.02	1.8	1.8	59	--	6	3044
FEB													
13...	2	.20	.023	1.90	2.00	<.02	<.02	2.2	1.3	E18kq	--	15	3044
16-16	34	1.1	.069	.88	.900	<.02	.14	2.0	4.2	1700	56	367	3044
APR													
04...	3	.30	.038	1.80	1.80	<.02	<.02	2.1	2.1	57	--	20	3044
05-05	17	.70	.075	1.40	1.40	<.02	.09	2.1	2.9	717	83	131	3044
MAY													
15-15	28	.80	.072	.77	.770	<.02	.08	1.6	4.3	6400	86	117	3044
JUL													
09...	2	.40	.050	.72	.730	<.02	<.02	1.1	3.4	243k	--	22	3044
AUG													
18...	1	.20	A.038	1.20	1.20	<.02	<.02	1.4	2.2	50	--	13	3044
SEP													
22-22	17	1.1	A.034	1.40	1.40	.12	.14	2.5	3.4	9070	40	213	3044

Date	Time	Ending time	Hydrologic condition	Hydrologic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT													
24...	1347	--	A	9	1028	2.12	9.9	40	4.2	8.9	95	6.9	110
DEC													
10-10	2210	2220	A	J	1028	3.70	80	40	160	11.3	95	6.5	71
19...	1425	--	A	9	1028	2.23	12	40	7.0	11.1	101	6.7	96
FEB													
13...	1430	--	9	9	1028	2.34	17	10	6.5	11.4	102	6.8	97
16-16	1210	1220	A	J	1028	4.30	116	10	260	10.7	94	6.8	54
APR													
04...	1030	--	A	9	--	2.20	12	10	11	9.5	97	6.2	95
05-05	1155	1205	A	J	1028	2.61	30	40	120	8.9	94	6.6	84
MAY													
15-15	0955	1005	A	J	1028	2.89	47	40	160	8.6	91	6.6	65
JUL													
09...	1045	--	9	9	1028	2.46	30	40	12	7.6	92	6.7	71
AUG													
18...	0945	--	9	9	1028	2.14	15	40	8.7	8.0	96	6.5	93
SEP													
22-22	1544	1546	8	J	--	2.18	17	40	190	7.4	85	6.6	95

02207185 NO BUSINESS CREEK AT LEE ROAD, BELOW SNELLVILLE, GA—continued.

Date	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sampler type, code (84164)
OCT					
24...	20.0	17.1	--	6	--
DEC					
10-10	5.5	7.8	14	1310	3002
19...	--	9.9	--	6	3001
FEB					
13...	14.0	9.9	--	8	3001
16-16	4.5	8.6	48	364	3001
APR					
04...	--	15.7	--	19	3001
05-05	--	16.9	71	130	8000
MAY					
15-15	--	17.8	61	149	3001
JUL					
09...	28.0	24.1	--	12	3001
AUG					
18...	31.2	24.1	--	21	8000
SEP					
22-22	--	22.5	50	194	3001

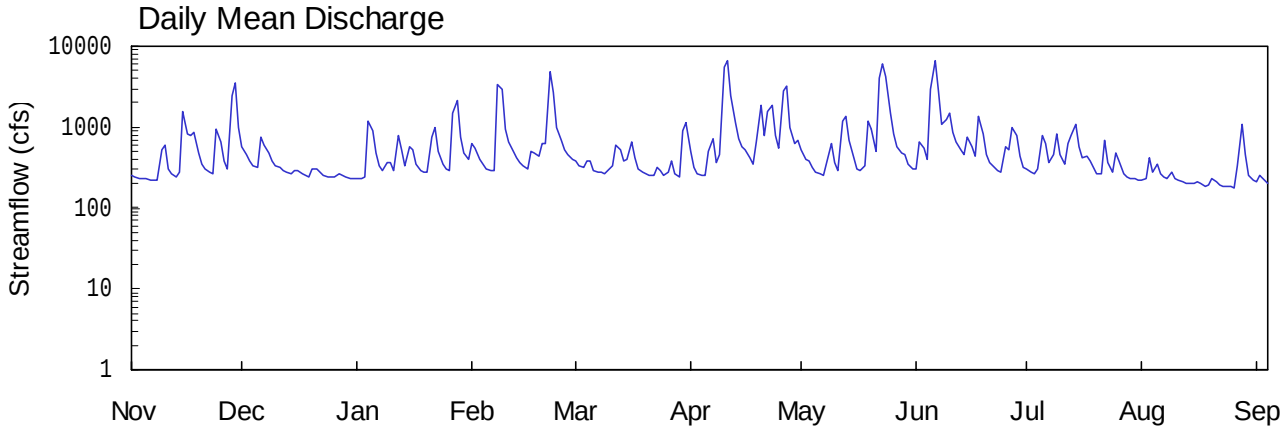
Remark codes used in this report:
< -- Less than
> -- Greater than
A -- Average value
E -- Estimated value
S -- Most probable value

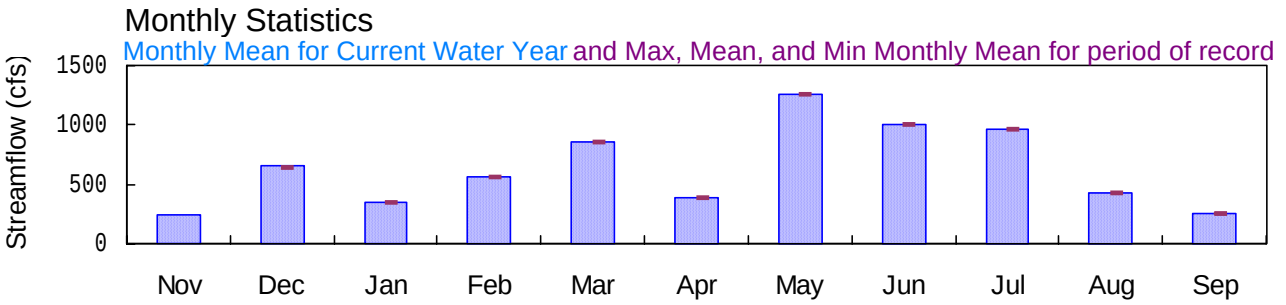
Value qualifier codes used in this report:
a -- Value was extrapolated above
f -- Sample field preparation problem
k -- Counts outside acceptable range
l -- Sample lab preparation problem
q -- Insufficient sample received

2003 Water Year

02207220 YELLOW RIVER AT PLEASANT HILL RD, NR LITHONIA, GA.

Latitude: 33°44'01" Longitude: 084°03'43" Hydrologic Unit Code: 03070103 De kalb County
Drainage Area: 213 mi^2 Datum: 720 feet





NO PHOTOS AVAILABLE FOR THIS SITE

ALTAMAHA RIVER BASIN
2003 Water Year

02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NEAR LITHONIA, GA

LOCATION.—Lat 33°44'01", long 84°03'43" referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit 03070103, on right upstream side of bridge on Pleasant Hill Road, 0.30 miles upstream of Johnson Creek confluence, 1.6 miles east of GA 124, 0.75 miles west of Dekalb/Rockdale County line.

DRAINAGE AREA.—213 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 27, 2002 to September 30, 2003.

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage 720.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except those for periods of estimated daily discharge, which are fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 27, 2002 to September 30, 2003.

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage 720.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 17.53 feet, May 7; minimum gage-height recorded, 2.11 feet, September 21.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 27, 2002 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL RD, NR LITHONIA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213* CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	227	762	473	400	297	258	270	2920	640	269
2	---	---	223	591	336	349	280	493	258	6730	358	243
3	---	---	221	489	287	311	271	716	368	2780	458	236
4	---	---	219	386	362	289	267	368	625	1100	829	279
5	---	---	533	335	364	294	309	456	365	1250	454	235
6	---	---	603	312	286	3380	328	5550	297	1480	343	217
7	---	---	307	288	780	2980	598	6530	1160	872	620	208
8	---	---	260	276	529	937	516	2470	1390	657	773	205
9	---	---	245	270	340	650	387	1150	681	532	1100	202
10	---	---	273	293	564	494	396	715	411	458	580	203
11	---	---	1580	287	513	409	646	573	311	764	413	208
12	---	---	840	261	344	359	411	523	292	569	432	199
13	---	---	797	251	290	330	304	413	336	434	387	188
14	---	---	847	247	275	303	273	347	1200	1390	324	191
15	---	---	484	301	273	490	263	671	928	810	270	233
16	---	---	352	309	770	477	259	1890	500	462	262	211
17	---	---	300	282	1000	432	255	791	4090	369	693	195
18	---	---	277	254	505	628	323	1530	6180	316	371	186
19	---	---	268	242	351	624	288	1850	4210	291	273	186
20	---	---	962	239	306	4900	257	800	1520	280	477	188
21	---	---	650	240	288	2740	275	542	840	561	383	179
22	---	---	377	269	1460	1000	387	2830	582	517	e270	335
23	---	---	304	259	2110	695	268	3180	468	975	247	1080
24	---	---	2480	240	769	533	246	994	458	777	235	460
25	---	---	3460	235	489	449	893	638	353	435	230	256
26	---	---	998	236	404	404	1130	677	306	325	224	225
27	---	249	582	234	636	379	509	533	303	304	222	213
28	---	240	448	229	553	331	312	401	660	273	232	255
29	---	235	376	241	---	311	269	374	554	261	409	220
30	---	232	327	1200	---	387	250	314	398	297	273	200
31	---	---	316	888	---	380	---	281	---	803	352	---
TOTAL	---	---	20136	10946	15657	26645	11467	38858	30314	29992	13134	7705
MEAN	---	---	650	353	559	860	382	1253	1010	967	424	257
MAX	---	---	3460	1200	2110	4900	1130	6530	6180	6730	1100	1080
MIN	---	---	219	229	273	289	246	258	258	261	222	179
CFSM	---	---	3.05	1.66	2.63	4.04	1.79	5.88	4.74	4.54	1.99	1.21
IN.	---	---	3.52	1.91	2.73	4.65	2.00	6.79	5.29	5.24	2.29	1.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2003, BY WATER YEAR (WY)

MEAN	---	---	650	353	559	860	382	1253	1010	967	424	257
MAX	---	---	650	353	559	860	382	1253	1010	967	424	257
(WY)	---	---	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	---	---	650	353	559	860	382	1253	1010	967	424	257
(WY)	---	---	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL RD, NR LITHONIA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213* CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	2.69	5.33	4.19	3.88	3.38	2.95	3.15	9.61	4.87	3.11
2	---	---	2.64	4.68	3.60	3.67	3.25	4.28	3.03	15.76	3.69	2.87
3	---	---	2.62	4.27	3.31	3.47	3.16	5.16	3.61	10.27	4.08	2.79
4	---	---	2.60	3.82	3.66	3.33	3.12	3.73	4.81	6.55	5.59	3.21
5	---	---	4.24	3.60	3.71	3.36	3.40	3.94	3.71	7.01	4.11	2.78
6	---	---	4.72	3.48	3.28	11.31	3.56	14.51	3.33	7.69	3.64	2.58
7	---	---	3.42	3.31	5.39	10.90	4.69	15.49	6.61	5.76	4.78	2.48
8	---	---	3.05	3.21	4.42	5.98	4.36	10.06	7.45	4.94	5.23	2.45
9	---	---	2.89	3.15	3.62	4.91	3.83	6.71	5.02	4.45	6.29	2.42
10	---	---	3.03	3.33	4.55	4.29	3.87	5.16	3.93	4.12	4.63	2.42
11	---	---	8.00	3.30	4.36	3.92	4.89	4.62	3.45	5.35	3.94	2.48
12	---	---	5.59	3.06	3.64	3.71	3.93	4.41	3.34	4.59	4.01	2.38
13	---	---	5.43	2.95	3.33	3.57	3.40	3.94	3.55	4.03	3.82	2.26
14	---	---	5.65	2.91	3.20	3.42	3.18	3.66	6.86	7.37	3.52	2.28
15	---	---	4.24	3.22	3.18	4.23	3.08	4.94	5.91	5.50	3.15	2.75
16	---	---	3.68	3.41	5.21	4.21	3.04	8.82	4.30	4.15	3.02	2.52
17	---	---	3.40	3.26	6.18	4.02	3.00	5.44	12.46	3.75	5.07	2.33
18	---	---	3.21	2.98	4.32	4.83	3.49	7.66	15.25	3.50	3.75	2.23
19	---	---	3.13	2.86	3.67	4.77	3.29	8.67	13.10	3.34	3.17	2.23
20	---	---	6.01	2.82	3.44	13.87	3.02	5.48	7.77	3.24	4.19	2.25
21	---	---	4.90	2.83	3.32	10.37	3.17	4.49	5.63	4.55	3.80	2.16
22	---	---	3.78	3.14	7.18	6.20	3.82	9.89	4.65	4.37	---	3.00
23	---	---	3.42	3.04	9.25	5.08	3.13	11.43	4.17	6.07	2.91	6.45
24	---	---	9.11	2.84	5.37	4.45	2.90	6.16	4.13	5.39	2.78	4.12
25	---	---	11.94	2.77	4.26	4.09	5.63	4.86	3.68	4.03	2.73	3.01
26	---	---	6.17	2.79	3.90	3.89	6.62	5.01	3.44	3.55	2.66	2.66
27	---	2.94	4.64	2.77	4.85	3.80	4.34	4.45	3.38	3.42	2.64	2.53
28	---	2.83	4.08	2.71	4.52	3.58	3.47	3.89	4.94	3.18	2.74	2.99
29	---	2.78	3.78	2.83	---	3.48	3.14	3.77	4.52	3.06	3.83	2.61
30	---	2.74	3.56	6.74	---	3.82	2.95	3.48	3.87	3.26	3.13	2.39
31	---	---	3.50	5.78	---	3.80	---	3.25	---	5.50	3.66	---
MEAN	---	---	4.49	3.46	4.39	5.10	3.67	6.14	5.43	5.40	---	2.76
MAX	---	---	11.94	6.74	9.25	13.87	6.62	15.49	15.25	15.76	---	6.45
MIN	---	---	2.60	2.71	3.18	3.33	2.90	2.95	3.03	3.06	---	2.16

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL RD, NR LITHONIA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213* CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	0.00	0.37	0.00	0.01	0.00	0.39	0.00	3.55	0.01	0.00
2	---	---	0.00	0.12	0.00	0.00	0.00	0.70	0.00	0.02	0.00	0.00
3	---	---	0.00	0.00	0.00	0.02	0.00	0.00	0.34	0.00	0.37	0.19
4	---	---	0.02	0.00	0.32	0.04	0.01	0.01	0.21	0.00	0.01	0.00
5	---	---	0.44	0.00	0.00	1.16	0.31	3.13	0.00	0.30	0.16	0.00
6	---	---	0.00	0.00	0.70	1.69	0.63	2.72	0.79	0.00	0.04	0.00
7	---	---	0.00	0.00	0.04	0.03	0.73	0.59	0.68	0.00	0.26	0.00
8	---	---	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.12	0.00
9	---	---	0.00	0.03	0.08	0.00	0.09	0.00	0.00	0.00	0.08	0.00
10	---	---	1.06	0.01	0.40	0.00	0.38	0.00	0.00	1.01	0.00	0.00
11	---	---	0.01	0.00	0.01	0.00	0.00	0.20	0.03	0.00	0.20	0.00
12	---	---	0.00	0.00	0.00	0.00	0.00	0.01	0.15	0.00	0.08	0.00
13	---	---	0.65	0.00	0.00	0.00	0.00	0.00	0.16	0.46	0.15	0.00
14	---	---	0.00	0.00	0.01	0.00	0.00	0.01	0.43	0.00	0.00	0.50
15	---	---	0.00	0.01	0.00	0.48	0.00	1.22	0.00	0.00	0.00	0.01
16	---	---	0.00	0.17	0.82	0.00	0.00	0.72	0.08	0.07	0.42	0.00
17	---	---	0.00	0.01	0.00	0.63	0.14	0.00	1.07	0.00	0.00	0.00
18	---	---	0.00	0.00	0.00	0.05	0.00	0.78	1.17	0.00	0.00	0.00
19	---	---	0.85	0.00	0.00	2.55	0.00	0.06	0.51	0.00	2.00	0.00
20	---	---	0.06	0.00	0.00	0.92	0.00	0.02	0.00	0.82	0.28	0.00
21	---	---	0.00	---	0.04	0.00	1.07	0.37	0.00	0.02	0.01	0.00
22	---	---	0.00	---	1.12	0.00	0.01	---	0.00	0.10	0.00	1.50
23	---	---	0.04	0.00	0.00	0.00	0.00	---	0.00	1.10	0.00	0.01
24	---	---	2.31	0.00	0.00	0.00	0.13	---	0.00	0.00	0.00	0.00
25	---	---	0.01	0.00	0.00	0.00	1.08	---	0.00	0.00	0.00	0.00
26	---	---	0.00	0.00	0.22	0.12	0.00	---	0.00	0.13	0.00	0.00
27	---	0.00	0.00	0.00	0.08	0.00	0.00	---	0.04	0.00	0.00	0.17
28	---	0.00	0.00	0.00	0.00	0.00	0.00	---	0.64	0.00	0.01	0.00
29	---	0.00	0.00	0.01	---	0.02	0.00	---	0.00	0.00	0.00	0.00
30	---	0.00	0.00	0.10	---	0.23	0.00	---	0.07	0.09	0.02	0.00
31	---	---	0.37	0.00	---	0.00	---	0.00	---	0.93	0.00	---
TOTAL	---	---	5.82	---	3.84	7.95	4.66	---	6.37	8.60	4.22	2.38

ALTAMAHA RIVER BASIN
2003 Water Year

02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NEAR LITHONIA, GA

LOCATION.—Lat 33°44'01", long 84°03'43" referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit 03070103, on right bank of upstream side of bridge on Pleasant Hill Road, 0.3 miles north of Johnson Creek confluence, 1.6 miles east of GA 124, 0.8 miles west of DeKalb/Rockdale County line.

DRAINAGE AREA.—213 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIOD OF RECORD.—February 13, 2003, to September 30, 2003.

CONTINUOUS WATER QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: February 13, 2003, to September 30, 2003.
WATER TEMPERATURE: February 13, 2003, to September 30, 2003.
TURBIDITY: February 13, 2003, to September 30, 2003.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARK.—Records good.

EXTREMES FOR PERIOD OF RECORD.—
SPECIFIC CONDUCTANCE: Maximum, 218 microsiemens, September 20, 2003; minimum, 38 microsiemens, June 17, 2003.
WATER TEMPERATURE: Maximum, 27.3°C, August 24, 2003; minimum, 6.8°C, February 18, 2003.
TURBIDITY: Maximum, >1,100 NTU, March 20, 2003, minimum, 2.4 NTU, September 19, 20, 2003.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL RD, NR LITHONIA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213 CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
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22	---	---	---	---	---	---	---	---	---	---	---	---
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25	---	---	---	---	---	---	---	---	---	---	---	---
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30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL RD, NR LITHONIA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213 CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	103	94	98	118	113	116	147	129	141
2	---	---	---	112	103	107	126	118	123	129	89	110
3	---	---	---	118	110	113	131	123	127	111	89	96
4	---	---	---	121	116	119	133	128	131	114	93	105
5	---	---	---	130	120	126	133	116	127	126	77	115
6	---	---	---	128	48	69	132	116	126	77	40	53
7	---	---	---	66	47	58	119	91	109	54	42	46
8	---	---	---	81	66	75	101	92	96	62	54	58
9	---	---	---	90	81	85	132	101	110	73	62	67
10	---	---	---	100	90	95	119	116	117	85	73	80
11	---	---	---	108	100	102	122	91	106	92	85	89
12	---	---	---	115	107	109	108	93	102	97	91	94
13	---	---	---	118	111	115	123	108	117	104	94	100
14	---	---	---	119	115	118	129	123	126	111	103	107
15	135	128	132	120	106	113	129	124	127	113	98	106
16	131	81	109	110	91	96	137	126	133	104	56	69
17	81	70	74	106	100	102	142	136	139	88	65	78
18	101	78	90	106	87	95	148	132	141	94	62	80
19	114	101	107	101	78	96	132	114	119	75	62	66
20	123	114	118	78	46	53	132	119	126	91	75	84
21	127	120	124	68	48	60	134	121	127	107	91	100
22	126	48	92	79	68	75	132	109	121	104	52	78
23	59	47	52	92	79	86	123	109	117	68	53	59
24	74	59	67	103	92	98	136	123	132	85	68	76
25	86	74	80	108	102	104	136	67	109	93	85	89
26	95	86	91	110	107	108	79	67	74	101	89	95
27	97	92	95	118	108	112	101	79	92	103	89	96
28	94	90	92	120	116	119	119	100	110	115	102	108
29	---	---	---	121	118	120	126	114	120	121	111	116
30	---	---	---	125	114	121	139	126	134	132	113	123
31	---	---	---	127	113	118	---	---	---	132	119	127
MONTH	---	---	---	130	46	99	148	67	118	147	40	91

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL RD, NR LITHONIA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213 CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	139	129	135	100	44	75	105	80	92	112	99	107
2	141	134	137	47	40	43	115	95	105	136	112	122
3	145	128	134	64	47	58	128	87	115	134	127	131
4	152	94	105	73	64	69	121	80	92	147	120	139
5	113	104	107	78	61	69	112	89	96	131	118	122
6	129	113	123	71	57	64	134	110	115	153	131	140
7	128	80	109	79	69	75	134	83	106	162	149	152
8	---	---	---	92	79	87	118	57	93	165	152	158
9	---	---	---	103	92	98	89	45	72	169	154	162
10	---	---	---	113	102	108	115	82	95	164	158	161
11	121	109	115	117	90	105	114	95	105	170	163	165
12	127	121	124	103	91	97	137	101	118	168	163	166
13	139	126	132	114	100	109	123	110	116	168	136	158
14	138	65	82	117	58	79	137	114	120	172	158	167
15	92	70	83	90	65	77	141	133	136	169	150	159
16	111	92	100	111	90	98	150	141	145	165	148	155
17	112	38	58	115	104	109	150	84	108	172	151	161
18	55	39	47	121	115	119	128	98	119	---	---	---
19	58	47	51	125	121	124	133	123	127	---	---	---
20	72	57	65	130	115	126	---	---	---	218	180	204
21	79	72	75	123	91	106	---	---	---	185	178	181
22	89	79	85	119	91	105	---	---	---	200	122	180
23	100	89	96	101	83	91	151	137	146	122	73	88
24	112	95	105	97	79	88	160	147	152	109	89	98
25	121	99	107	112	97	104	169	152	158	132	109	122
26	124	116	120	128	112	122	168	147	155	142	132	137
27	133	124	128	127	123	124	158	151	155	144	141	143
28	135	96	107	---	---	---	163	137	156	148	136	140
29	118	90	97	---	---	---	174	92	129	148	126	137
30	116	100	109	---	---	---	128	93	110	150	138	143
31	---	---	---	147	79	100	141	108	120	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL RD, NR LITHONIA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213 CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL RD, NR LITHONIA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213 CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	10.3	9.7	10	14.5	11.4	12.9	21.8	19.7	20.7
2	---	---	---	11.3	10.2	10.6	16.3	13.3	14.7	22.3	20.9	21.5
3	---	---	---	10.9	9.4	10.2	17.6	14.5	16.0	21.4	19.0	19.8
4	---	---	---	11.3	9.5	10.4	18.5	15.8	17.1	21.1	18.7	19.9
5	---	---	---	12.4	11.1	11.6	18.4	17.3	17.8	20.8	19.8	20.1
6	---	---	---	12.7	12.4	12.5	18.4	17.0	17.7	19.8	19.2	19.4
7	---	---	---	13.1	12.4	12.7	17.7	16.7	17.2	19.4	19.1	19.3
8	---	---	---	13.4	12.7	13.1	16.7	15.2	15.9	20.5	19.4	20.0
9	---	---	---	14.6	12.5	13.4	15.2	13.7	14.4	21.9	20.3	21.0
10	---	---	---	14.8	12.9	13.8	13.7	12.3	12.9	22.6	21.0	21.8
11	---	---	---	14.2	12.2	13.3	13.0	11.5	12.2	22.3	21.0	21.7
12	---	---	---	14.8	12.3	13.5	15.3	11.6	13.3	21.4	19.9	20.6
13	---	---	---	16.0	13.8	14.8	16.8	13.8	15.2	20.6	18.7	19.8
14	8.6	7.7	8.2	16.0	15.0	15.5	18.1	14.9	16.4	19.9	18.7	19.0
15	10.1	8.4	9.1	15.0	13.2	13.9	18.9	16.0	17.4	19.1	18.1	18.5
16	10.1	8.8	9.6	14.3	12.7	13.3	19.0	16.8	17.9	20.2	18.5	19.5
17	8.8	7.0	7.6	14.0	13.4	13.7	18.4	17.3	17.9	21.5	20.0	20.8
18	8.1	6.8	7.3	14.4	13.8	14.1	18.7	17.8	18.2	21.3	19.2	20.1
19	8.6	6.8	7.6	14.7	14.3	14.5	18.0	16.9	17.5	19.2	18.1	18.7
20	10.1	8.1	9.0	14.5	13.3	13.7	17.7	17.1	17.4	18.4	17.6	18.0
21	10.5	9.8	10.1	14.8	13.3	14.0	17.9	16.9	17.4	18.7	18.0	18.4
22	12.3	10.5	11.3	15.6	14.4	14.8	18.5	16.6	17.5	18.8	18.4	18.7
23	12.5	10.6	11.8	15.8	13.7	14.7	18.3	15.8	17.1	18.9	18.2	18.5
24	11.6	10.2	10.8	16.5	13.7	15.0	17.3	15.7	16.5	20.7	18.7	19.6
25	12.1	10.6	11.3	16.8	14.0	15.4	16.7	15.7	16.3	21.0	19.3	20.2
26	11.6	10.1	10.6	17.3	15.3	16.3	17.9	16.4	17.2	21.1	19.9	20.5
27	10.1	8.8	9.3	18.4	16.3	17.3	19.3	16.8	18.0	21.4	19.7	20.5
28	10.1	8.5	9.2	18.3	17.2	17.7	19.8	17.4	18.6	21.2	19.1	20.2
29	---	---	---	18.1	16.8	17.4	20.5	18.0	19.2	21.0	19.3	20.2
30	---	---	---	16.8	13.9	15.4	21.5	19.1	20.2	21.3	18.9	20.1
31	---	---	---	14.1	11.9	13.1	---	---	---	21.7	19.7	20.7
MONTH	---	---	---	18.4	9.4	13.9	21.5	11.4	16.6	22.6	17.6	19.9

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213 CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.2	20.0	21.0	23.4	21.6	22.4	26.0	24.5	25.3	27.0	25.2	26.0
2	21.8	19.3	20.6	21.7	21.4	21.6	26.2	24.7	25.4	26.3	25.0	25.7
3	21.3	20.3	20.7	23.2	21.3	22.3	25.6	24.8	25.1	26.3	25.1	25.7
4	22.7	20.3	21.4	24.0	22.4	23.2	25.6	24.3	25.0	26.3	25.0	25.6
5	23.0	20.9	21.9	23.9	22.7	23.3	26.2	24.5	25.3	25.7	24.7	25.2
6	22.4	21.4	21.8	24.1	23.1	23.6	25.7	24.5	25.2	25.0	23.7	24.2
7	22.1	21.4	21.8	24.8	23.3	24.0	25.0	23.7	24.3	23.7	22.5	23.0
8	23.3	21.9	22.6	25.4	23.7	24.5	25.1	23.4	24.3	23.7	21.7	22.6
9	24.1	22.2	23.1	25.8	24.2	25.0	25.2	23.3	24.2	23.5	21.5	22.5
10	24.0	21.8	23.0	25.4	24.5	24.8	25.4	23.9	24.7	23.2	21.7	22.5
11	24.5	22.8	23.6	25.1	23.8	24.5	25.1	24.0	24.6	23.3	21.2	22.2
12	24.6	23.2	23.9	25.8	23.8	24.8	24.5	23.7	24.1	23.3	21.1	22.1
13	24.3	23.2	23.7	25.9	24.1	25.0	24.8	23.5	24.1	23.0	20.9	22.0
14	23.7	22.7	23.1	25.2	22.4	23.7	26.0	23.9	24.9	22.6	21.4	22.1
15	24.6	23.1	23.8	25.2	23.4	24.3	27.0	24.8	25.7	23.9	21.8	22.7
16	25.1	23.3	24.1	25.6	24.0	24.8	26.6	25.3	25.9	23.3	21.8	22.6
17	24.3	22.3	23.0	26.2	24.4	25.3	26.5	24.8	25.7	23.2	21.2	22.2
18	23.0	22.3	22.7	26.3	24.9	25.6	26.7	25.4	26.1	22.5	20.3	21.4
19	23.0	22.6	22.8	26.3	24.7	25.5	27.0	25.6	26.3	22.5	19.9	21.3
20	24.0	22.9	23.4	26.3	24.8	25.6	---	---	---	22.9	20.6	21.7
21	23.7	21.9	22.8	26.8	25.1	25.9	---	---	---	22.7	21.2	22.0
22	23.3	21.1	22.2	26.4	24.9	25.6	27.0	---	---	22.7	22.3	22.5
23	23.6	21.4	22.5	25.0	24.0	24.6	27.2	25.2	26.2	23.1	22.0	22.5
24	24.2	22.1	23.1	25.5	23.6	24.4	27.3	25.3	26.3	22.4	20.9	21.7
25	25.0	22.7	23.8	25.4	23.6	24.5	27.1	25.4	26.2	22.5	20.7	21.6
26	24.6	23.1	23.9	25.5	24.1	24.8	27.2	25.0	26.0	22.6	20.7	21.6
27	24.0	22.9	23.6	26.1	24.0	25.0	27.1	25.2	26.2	22.8	20.7	21.7
28	23.7	22.6	23.1	---	24.7	---	27.1	25.3	26.1	22.2	20.6	21.6
29	24.5	22.4	23.3	---	---	---	26.1	25.0	25.6	20.6	18.6	19.4
30	24.5	23.4	23.9	26.1	---	---	26.4	25.1	25.7	19.0	17.0	18.0
31	---	---	---	25.7	24.5	25.0	26.4	25.1	25.8	---	---	---
MONTH	25.1	19.3	22.8	---	---	---	---	---	---	27.0	17.0	22.5

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL RD, NR LITHONIA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213 CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL RD, NR LITHONIA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213 CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	31	20	24	20	14	15	340	8.5	11
2	---	---	---	22	15	18	16	11	13	270	30	75
3	---	---	---	17	13	14	15	9.9	11	370	56	120
4	---	---	---	14	12	13	14	9.0	9.9	67	17	31
5	---	---	---	57	11	12	31	8.8	11	830	15	20
6	---	---	---	850	46	380	35	9.3	12	830	130	400
7	---	---	---	300	150	180	95	15	47	360	180	270
8	---	---	---	170	110	120	48	18	25	190	120	160
9	---	---	---	110	67	86	19	12	15	120	73	98
10	---	---	---	70	43	51	34	12	14	75	45	60
11	---	---	---	43	34	37	66	21	46	50	32	41
12	---	---	---	35	27	30	41	14	21	38	26	32
13	---	---	---	28	22	25	18	9.2	13	31	21	25
14	---	---	---	22	18	20	14	8.9	10	25	17	20
15	12	8.4	9.2	63	17	43	13	9.0	10	230	16	78
16	---	---	---	73	26	46	15	8.1	9.4	870	150	260
17	---	---	---	60	21	27	15	7.7	9.0	210	36	64
18	54	22	28	60	31	44	16	8.5	11	900	36	200
19	23	15	17	720	27	47	20	9.8	14	200	83	120
20	21	12	14	>1100	250	330	12	7.2	8.6	89	40	58
21	16	11	12	250	130	160	320	7.0	8.8	42	29	34
22	---	---	---	130	94	110	39	18	22	920	31	140
23	---	---	---	96	61	74	26	10	14	270	100	130
24	120	78	97	61	36	45	16	8.1	10	110	49	71
25	83	39	58	39	28	34	530	8.9	120	52	32	42
26	42	30	34	30	24	26	240	81	120	100	31	45
27	55	31	45	29	18	22	85	25	38	54	20	32
28	53	29	39	21	16	18	27	14	19	25	15	18
29	---	---	---	18	14	16	20	12	14	28	15	16
30	---	---	---	26	14	17	19	9.4	13	18	13	16
31	---	---	---	27	18	22	---	---	---	15	10	12
MAX	---	---	---	1100	250	380	530	81	120	920	180	400
MIN	---	---	---	14	11	12	12	7.0	8.6	15	8.5	11

> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207220 YELLOW RIVER AT PLEASANT HILL RD, NR LITHONIA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334401 LONGITUDE 0840343 NAD27 DRAINAGE AREA 213 CONTRIBUTING DRAINAGE AREA DATUM 720 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13	8.6	11	530	27	210	100	37	72	56	16	25
2	12	7.8	9.8	310	140	190	38	13	22	20	9.5	14
3	59	8.4	15	140	88	110	180	13	21	18	7.9	10
4	110	29	61	93	60	72	230	69	110	32	8.7	18
5	42	14	26	160	60	100	77	19	30	25	8.8	15
6	47	10	13	260	70	110	32	14	17	24	5.6	9.0
7	390	28	130	71	45	58	160	15	74	15	6.2	8.3
8	270	87	120	48	33	39	740	52	92	15	5.0	7.3
9	92	31	53	37	21	28	730	60	200	12	3.9	6.9
10	37	19	26	91	17	22	550	49	76	12	4.6	7.1
11	24	14	18	65	38	53	110	24	53	12	4.9	7.2
12	19	11	14	77	29	44	70	20	29	13	5.0	7.1
13	56	11	14	64	18	30	33	16	26	11	4.4	6.7
14	630	56	170	730	4.5	210	58	10	27	55	4.1	7.3
15	550	69	150	130	38	72	33	6.1	11	95	8.9	15
16	70	37	46	41	20	28	85	4.7	9.5	39	9.2	11
17	530	56	390	27	14	16	260	42	150	15	7.2	10
18	380	200	260	18	11	13	85	14	34	14	6.4	9.0
19	280	130	190	18	9.2	11	---	---	---	14	2.4	9.8
20	140	92	110	150	8.8	11	---	---	---	14	2.4	9.1
21	97	64	83	130	36	57	---	---	---	19	5.0	7.3
22	67	37	51	93	19	32	---	---	---	470	5.1	8.1
23	38	22	30	300	50	120	---	---	---	380	73	160
24	26	19	22	190	30	61	---	---	---	90	26	44
25	25	15	20	33	13	21	---	---	---	27	13	18
26	19	12	14	60	11	14	---	---	---	25	11	14
27	32	9.5	12	23	9.9	12	130	47	76	37	8.2	12
28	170	29	83	---	---	---	280	50	78	40	11	17
29	88	20	44	---	---	---	480	50	220	18	8.1	12
30	140	13	18	---	---	---	180	20	38	18	6.3	9.4
31	---	---	---	290	32	100	83	26	38	---	---	---
MAX	630	200	390	---	---	---	---	---	---	470	73	160
MIN	12	7.8	9.8	---	---	---	---	---	---	11	2.4	6.7

> Actual value is known to be greater than the value shown

ALTAMAHA RIVER BASIN
2003 Water Year

02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NEAR LITHONIA, GA

LOCATION.—Lat 33°44'01", long 84°03'43" referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit 03070103, 0.3 miles north of Johnson Creek confluence, 1.6 miles east of GA 124, .8 miles west of DeKalb/Rockdale County line.

DRAINAGE AREA.—213 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER QUALITY RECORDS

PERIOD OF RECORD.—February 13, 2003, to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses of biological oxygen demand are by the U.S. Geological Survey, Ocala Water-Quality and Resource Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Missouri District Laboratory and the Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, percent of saturation (00301)
DEC													
11...	1040	--	80020	8.76	1850	180	120	6.6	7.0	64	66	746	100
JAN													
07...	1315	--	80020	3.28	284	16	22	7.0	7.6	120	114	751	99
15...	1350	--	80020	2.88	244	10	9.2	7.0	6.7	145	146	752	104
FEB													
18...	1150	--	80020	4.28	492	34	28	7.0	7.1	94	94	751	100
MAR													
06...	1530	--	80020	13.97	4880	290	250	6.3	7.2	57	56	742	105
MAY													
19...	1230	--	80020	8.66	1810	99	80	6.8	7.2	65	67	752	109
MAY													
22-23	0255	0355	80020	--	--	--	150	7.2	7.6	66	67	--	--
JUN													
06-08	1040	1020	80020	--x	--	170	120	7.0	6.6	76	77	--	--
24...	1045	--	80020	4.06	443	30	22	7.0	7.6	108	100	734	--
JUL													
02...	1210	--	80020	15.89	6870	170	120	6.6	7.3	39	43	740	90
21...	0945	--	80020	5.02	690	83	140	7.2	7.4	111	103	--	--
28...	0945	--	80020	3.16	--	13	7.7	7.0	7.4	125	121	742	92
28...	1015	--	80020	3.16	271	13	28	7.0	7.4	125	120	742	92
SEP													
22-23	1530	1100	80020	--	--	210	160	7.6	7.5	103	100	--	--

02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NEAR LITHONIA, GA—continued.

Date	Dis-solved oxygen, mg/L (00300)	Temper-ature, water, deg C (00010)	Temper-ature, air, deg C (00020)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, fltrd, mg/L (71846)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Organic nitro-gen, water, unfltrd mg/L (00605)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, unfltrd mg/L (00600)
DEC													
11...	11.8	7.6	--	--	--	.76	.069	.09	.604	.69	E.006	.192	1.4
JAN													
07...	11.9	6.6	--	--	--	.31	.052	.07	1.22	.26	<.007	.042	1.5
15...	12.9	5.8	--	--	--	.27	.256	.33	1.77	.01	<.007	.015	2.0
FEB													
18...	12.0	7.0	9.9	--	--	.38	.033	.04	.895	.34	<.007	.039	1.3
MAR													
06...	10.9	12.6	10.0	--	--	1.1	.075	.10	.533	.98	<.007	.28	1.6
MAY													
19...	10.0	18.8	16.0	--	--	.57	.069	.09	.511	.50	E.004	.108	1.1
MAY													
22-23	--	--	--	40	224	1.1	.076	.10	.543	1.0	<.007	.185	1.6
JUN													
06-08	--	--	--	55	40	.80	.016	.02	.626	.78	<.007	.178	1.4
24...	--	22.5	31.5	--	--	.32	.015	.02	.905	.30	<.007	.037	1.2
JUL													
02...	7.7	21.6	23.2	--	--	.76	.043	.06	.282	.71	<.007	.194	1.0
21...	7.2	25.4	25.4	--	--	1.0	E.012	--	.982	--	<.007	.23	2.0
28...	7.4	24.9	29.0	75	13	.34	.018	.02	1.17	.32	<.007	.031	1.5
28...	7.4	24.9	29.0	--	--	.56	.020	.03	1.15	.54	<.007	.186	1.7
SEP													
22-23	--	--	--	69	178	1.3	E.010n	--	.913	--	<.007	.26oc	2.2

Date	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)	Hard-ness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Cadmium water, fltrd, ug/L (01025)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Sus-pended sedi-ment concen-tration mg/L (80154)
DEC													
11...	10.6	--	--	E2.0	E.2	18	5.06	1.38	--	E1.0	.21	5	--
JAN													
07...	3.7	.7	--	1.2	<.1	29	7.78	2.33	--	E.7	.10	5	--
15...	2.5	.7	--	.5	<.1	36	9.98	2.58	--	E.8	.11	6	--
FEB													
18...	3.3	1.1	--	1.9	<.1	25	6.85	1.87	--	E.9	.29	7	30
MAR													
06...	11.9	1.6	--	2.6	<.1	14	3.82	1.05	--	E.9	.20	3	361
MAY													
19...	6.6	1.6	--	E2.0	<.1	15	4.22	1.13	--	E.9	.23	3	97
MAY													
22-23	12.2	--	30	--	--	19	5.33	1.42	<.04	M	M	M	209
JUN													
06-08	9.8	2.9	30	--	--	23	6.33	1.63	<.04	E1.1	.09	2	182
24...	3.1	<.1	--	.8	<.1	28	8.08	1.97	--	E1.0	E.05	2	159
JUL													
02...	8.2	2.2	--	.9	.2	13	3.64	.863	--	E1.2	.31	2	--
21...	13.3	2.1	--	--	--	29	8.22	1.99	--	<1.2	E.06	3	127
28...	4.4	.9	10	--	--	36	10.0	2.60	E.03	<1.2	E.08	3	38
28...	5.7	.8	--	--	--	36	10.1	2.48	--	E.9	.09	3	--
SEP													
22-23	14.4	3.7	40	--	--	23	6.35	1.71	<.04	1.1	E.07n	3	314

02207220 YELLOW RIVER AT PLEASANT HILL ROAD, NEAR LITHONIA, GA—continued.

Date	Sus-pended sedi-ment load, tons/d (80155)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sampler type, code (84164)	Sam-pling method, code (82398)
DEC				
11...	--	--	3052	10
JAN				
07...	--	--	3052	10
15...	--	--	3052	10
FEB				
18...	40	89	3052	10
MAR				
06...	4760	51	3052	10
MAY				
19...	474	82	3052	10
MAY				
22-23	--	58	4115	50
JUN				
06-08	--	86	4115	50
24...	190	93	3052	10
JUL				
02...	--	--	3052	10
21...	237	64	3052	10
28...	--	81	3052	10
28...	--	--	3052	10
SEP				
22-23	--	84	4115	50

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this report:
   c -- See laboratory comment
   d -- Diluted sample: method hi range exceeded
   k -- Counts outside acceptable range
   m -- Highly var comp using method, ? prec
   n -- Below the NDV
   o -- Result determined by alternate method
   t -- Below the long-term MDL

Null value qualifier codes used in this report:
   l -- Analysis discarded: lab QC failure
   x -- Result failed quality assurance review

02207334 TRIBUTARY TO YELLOW RIVER AT DENNARD ROAD, NEAR CONYERS, GA

LOCATION.—Lat 33°40'51", long 83°56'28" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103,

DRAINAGE AREA.—1.27 square miles, approximately.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.—June 5, 2003 (invertebrates) and June 11, 2003 (fishes).

REMARKS.—Data collection protocols used are from draft versions of the Standard Operating Procedures: Freshwater Macroinvertebrate Biological Assessment (Georgia Environmental Protection Division, 2002) and Standard Operating Procedures for Conducting Biomonitoring on Fish Communities in the Piedmont Ecoregion of Georgia (Georgia Department of Natural Resources, 2000). William Pennington and Associates of Cookeville, Tennessee identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 99 meters. Fish abbreviations: TL-total length in millimeters, SL-standard length in millimeters. Weight is measured in grams.

Invertebrates

Taxa	Abundance Multi-habitat	Visual
NEMATODA	1	0
MOLLUSCA		
Bivalvia		
Sphaeriidae		
Sphaerium sp.	3	0
ANNELIDA		
Branchiobdellida		
Branchiobdellidae	0	5
ARTHROPODA		
Crustacea		
Ostracoda	2	0
Amphipoda		
Talitridae		
Hyalella azteca	2	0
Decapoda		
Cambaridae		
Cambarus sp.	0	1
INSECTA		
Ephemeroptera		
Caenidae		
Caenis sp.	2	0
Megaloptera		
Corydalidae		

02207334 TRIB TO YELLOW RIVER AT DENNARD ROAD, NEAR CONYERS, GA —continued.

Taxa	Abundance Multi-habitat	Visual
Chauliodes sp.	1	0
Trichoptera		
Hydropsychidae	3	3
Cheumatopsyche sp.	7	0
Hydropsyche betteni gp.	24	41
Diptera		
Chironomidae	7	0
Ablabesmyia mallochi	19	2
Chironomus sp.	81	0
Cladopelma sp.	10	0
Conchapelopia sp.	5	0
Cryptochironomus sp.	1	0
Dicrotendipes sp.	2	1
Microtendipes pedellus gp.	24	0
Paratendipes sp.	7	0
Phaenopsectra sp.	2	0
Polypedilum flavum	2	1
Polypedilum halterale	2	0
Polypedilum illinoense	31	0
Procladius sp.	7	0
Rheotanytarsus sp.	7	18
Tanytarsus sp.	10	1
Xylotopus par	2	0
Simuliidae		
Simulium sp.	6	0
Tipulidae		
Tipula sp.	1	0

Fishes

Species	Common name	Count	TL	SL	Weight
Ameiurus natalis	yellow bullhead	1	117	95	23.1
Ameiurus natalis	yellow bullhead	1	122	97	24.5
Ameiurus natalis	yellow bullhead	1	159	134	51.4
Ameiurus nebulosus	brown bullhead	1	128	107	24.3
Gambusia holbrooki	eastern mosquitofish	1	43	33	0.9
Gambusia holbrooki	eastern mosquitofish	1	46	39	1.3
Gambusia holbrooki	eastern mosquitofish	1	47	37	1.5
Gambusia holbrooki	eastern mosquitofish	1	54	43	2.1
Lepomis auritus	redbreast sunfish	1	60	47	3.6
Lepomis auritus	redbreast sunfish	1	61	48	4.3
Lepomis auritus	redbreast sunfish	1	64	52	5.0
Lepomis auritus	redbreast sunfish	1	65	53	4.6
Lepomis auritus	redbreast sunfish	1	67	54	5.9
Lepomis auritus	redbreast sunfish	1	70	57	6.4
Lepomis auritus	redbreast sunfish	1	70	57	6.1
Lepomis auritus	redbreast sunfish	1	72	58	7.0
Lepomis auritus	redbreast sunfish	1	73	59	7.4

02207334 TRIB TO YELLOW RIVER AT DENNARD ROAD, NEAR CONYERS, GA —continued.

Species	Common name	Count	TL	SL	Weight
Lepomis auritus	redbreast sunfish	1	73	60	6.2
Lepomis auritus	redbreast sunfish	1	76	60	7.1
Lepomis auritus	redbreast sunfish	1	76	62	6.9
Lepomis auritus	redbreast sunfish	1	77	64	9.2
Lepomis auritus	redbreast sunfish	1	78	63	10.5
Lepomis auritus	redbreast sunfish	1	78	64	9.8
Lepomis auritus	redbreast sunfish	1	79	65	9.5
Lepomis auritus	redbreast sunfish	1	80	65	7.7
Lepomis auritus	redbreast sunfish	1	81	66	9.8
Lepomis auritus	redbreast sunfish	1	82	67	11.6
Lepomis auritus	redbreast sunfish	1	83	67	10.9
Lepomis auritus	redbreast sunfish	1	83	68	10.9
Lepomis auritus	redbreast sunfish	1	83	68	9.3
Lepomis auritus	redbreast sunfish	1	85	69	9.8
Lepomis auritus	redbreast sunfish	1	90	73	14.3
Lepomis auritus	redbreast sunfish	1	90	70	12.0
Lepomis auritus	redbreast sunfish	1	91	72	16.0
Lepomis auritus	redbreast sunfish	1	91	73	12.0
Lepomis auritus	redbreast sunfish	1	92	74	12.0
Lepomis auritus	redbreast sunfish	1	94	76	16.0
Lepomis auritus	redbreast sunfish	1	97	78	17.8
Lepomis auritus	redbreast sunfish	1	98	77	21.0
Lepomis auritus	redbreast sunfish	1	98	76	16.0
Lepomis auritus	redbreast sunfish	1	99	78	17.0
Lepomis auritus	redbreast sunfish	1	100	80	16.0
Lepomis auritus	redbreast sunfish	1	102	83	23.1
Lepomis auritus	redbreast sunfish	1	106	85	23.0
Lepomis auritus	redbreast sunfish	1	107	83	19.0
Lepomis auritus	redbreast sunfish	1	107	86	20.0
Lepomis auritus	redbreast sunfish	1	107	87	24.0
Lepomis auritus	redbreast sunfish	1	108	87	23.0
Lepomis auritus	redbreast sunfish	1	108	86	21.0
Lepomis auritus	redbreast sunfish	1	108	85	25.0
Lepomis auritus	redbreast sunfish	1	109	87	24.7
Lepomis auritus	redbreast sunfish	1	109	88	20.0
Lepomis auritus	redbreast sunfish	1	111	89	22.0
Lepomis auritus	redbreast sunfish	1	112	89	24.0
Lepomis auritus	redbreast sunfish	1	114	92	30.0
Lepomis auritus	redbreast sunfish	1	115	94	25.0
Lepomis auritus	redbreast sunfish	1	117	95	32.7
Lepomis auritus	redbreast sunfish	1	117	92	29.0
Lepomis auritus	redbreast sunfish	1	120	94	42.0
Lepomis auritus	redbreast sunfish	1	121	96	32.0
Lepomis auritus	redbreast sunfish	1	122	96	35.0
Lepomis auritus	redbreast sunfish	1	122	95	32.0
Lepomis auritus	redbreast sunfish	1	124	99	32.0
Lepomis auritus	redbreast sunfish	1	124	97	34.0
Lepomis auritus	redbreast sunfish	1	126	98	36.6
Lepomis auritus	redbreast sunfish	1	126	110	43.0
Lepomis auritus	redbreast sunfish	1	127	110	37.0
Lepomis auritus	redbreast sunfish	1	127	102	35.0

02207334 TRIB TO YELLOW RIVER AT DENNARD ROAD, NEAR CONYERS, GA —continued.

Species	Common name	Count	TL	SL	Weight
Lepomis auritus	redbreast sunfish	1	132	106	39.0
Lepomis auritus	redbreast sunfish	1	133	107	40.0
Lepomis auritus	redbreast sunfish	1	135	110	49.0
Lepomis auritus	redbreast sunfish	1	135	105	43.0
Lepomis auritus	redbreast sunfish	1	137	115	55.0
Lepomis auritus	redbreast sunfish	1	138	112	54.0
Lepomis auritus	redbreast sunfish	1	140	114	54.0
Lepomis auritus	redbreast sunfish	1	143	117	63.0
Lepomis auritus	redbreast sunfish	1	143	115	59.0
Lepomis auritus	redbreast sunfish	1	143	115	54.0
Lepomis auritus	redbreast sunfish	1	147	117	58.0
Lepomis auritus	redbreast sunfish	1	147	120	52.0
Lepomis auritus	redbreast sunfish	1	150	117	62.0
Lepomis auritus	redbreast sunfish	1	150	122	63.0
Lepomis auritus	redbreast sunfish	1	151	122	65.0
Lepomis auritus	redbreast sunfish	1	153	125	65.0
Lepomis auritus	redbreast sunfish	1	158	128	75.0
Lepomis auritus	redbreast sunfish	1	160	127	89.0
Lepomis auritus	redbreast sunfish	1	186	152	124.0
Lepomis auritus	redbreast sunfish	12	NA	NA	86.0
Lepomis cyanellus	green sunfish	1	78	62	91.0
Lepomis gulosus	warmouth	1	150	122	73.0
Lepomis macrochirus	bluegill sunfish	1	56	44	3.0
Lepomis macrochirus	bluegill sunfish	1	58	45	3.5
Lepomis macrochirus	bluegill sunfish	1	59	47	3.2
Lepomis macrochirus	bluegill sunfish	1	62	49	4.5
Lepomis macrochirus	bluegill sunfish	1	63	49	3.7
Lepomis macrochirus	bluegill sunfish	1	65	51	4.5
Lepomis macrochirus	bluegill sunfish	1	65	51	4.1
Lepomis macrochirus	bluegill sunfish	1	65	52	4.6
Lepomis macrochirus	bluegill sunfish	1	66	52	4.0
Lepomis macrochirus	bluegill sunfish	1	69	54	5.5
Lepomis macrochirus	bluegill sunfish	1	69	54	4.2
Lepomis macrochirus	bluegill sunfish	1	70	57	5.2
Lepomis macrochirus	bluegill sunfish	1	72	57	5.5
Lepomis macrochirus	bluegill sunfish	1	73	58	6.5
Lepomis macrochirus	bluegill sunfish	1	75	58	6.2
Lepomis macrochirus	bluegill sunfish	1	79	60	6.5
Lepomis macrochirus	bluegill sunfish	1	79	60	7.2
Lepomis macrochirus	bluegill sunfish	1	82	62	8.1
Lepomis macrochirus	bluegill sunfish	1	83	66	8.0
Lepomis macrochirus	bluegill sunfish	1	83	65	7.7
Lepomis macrochirus	bluegill sunfish	1	84	67	8.9
Lepomis macrochirus	bluegill sunfish	1	84	66	11.1
Lepomis macrochirus	bluegill sunfish	1	88	69	11.3
Lepomis macrochirus	bluegill sunfish	1	88	69	11.4
Lepomis macrochirus	bluegill sunfish	1	89	70	10.6
Lepomis macrochirus	bluegill sunfish	1	90	71	11.0
Lepomis macrochirus	bluegill sunfish	1	92	72	11.0
Lepomis macrochirus	bluegill sunfish	1	93	73	12.7
Lepomis macrochirus	bluegill sunfish	1	95	72	13.0

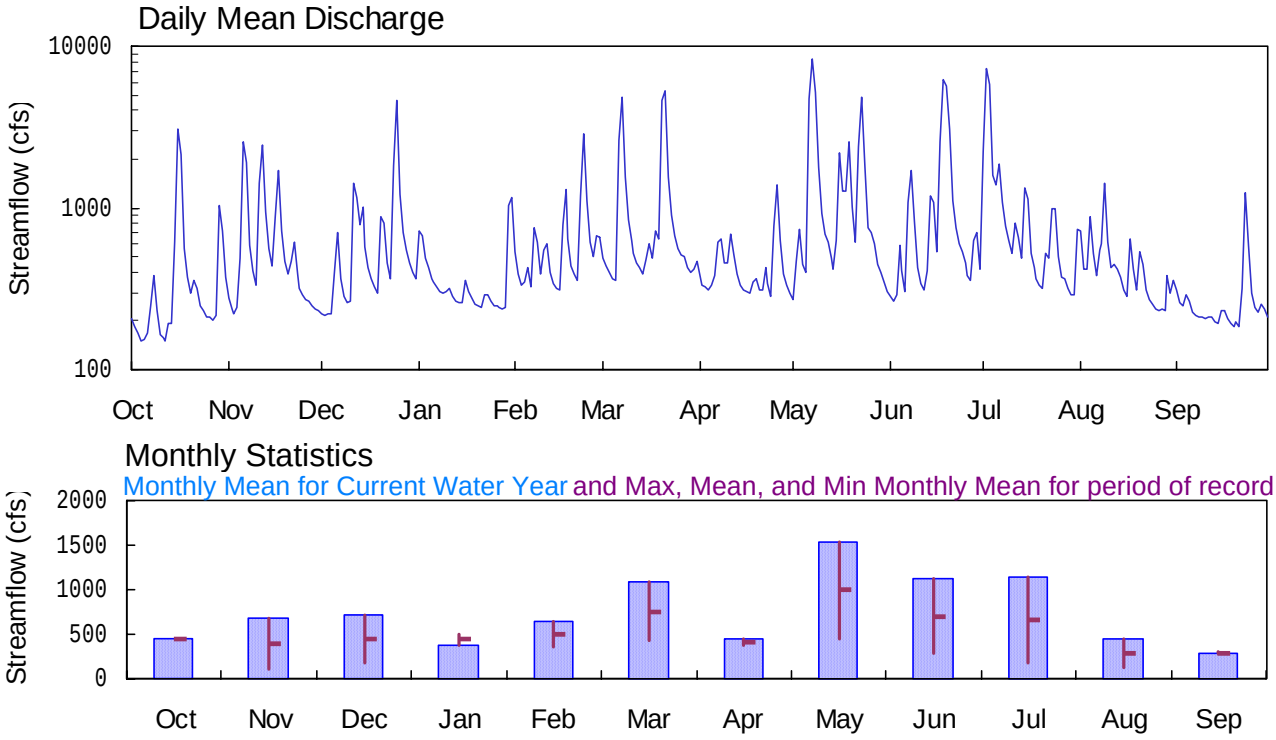
02207334 TRIB TO YELLOW RIVER AT DENNARD ROAD, NEAR CONYERS, GA —continued.

Species	Common name	Count	TL	SL	Weight
Lepomis macrochirus	bluegill sunfish	1	104	82	18.1
Lepomis macrochirus	bluegill sunfish	1	108	86	16.1
Lepomis macrochirus	bluegill sunfish	1	120	93	26.0
Lepomis macrochirus	bluegill sunfish	3	NA	NA	12.1
Micropterus salmoides	largemouth bass	1	50	42	1.4
Nocomis leptocephalus	bluehead chub	1	77	64	5.8
Nocomis leptocephalus	bluehead chub	1	80	67	6.8
Nocomis leptocephalus	bluehead chub	1	87	73	8.7
Nocomis leptocephalus	bluehead chub	1	95	78	11.3
Nocomis leptocephalus	bluehead chub	1	100	85	13.2
Nocomis leptocephalus	bluehead chub	1	100	85	13.9
Nocomis leptocephalus	bluehead chub	1	102	85	14.0
Nocomis leptocephalus	bluehead chub	1	103	88	15.8
Nocomis leptocephalus	bluehead chub	1	104	86	12.8
Nocomis leptocephalus	bluehead chub	1	109	91	16.3
Nocomis leptocephalus	bluehead chub	1	114	95	15.0
Nocomis leptocephalus	bluehead chub	1	135	115	23.0
Nocomis leptocephalus	bluehead chub	1	142	118	39.1
Notropis lutipinnis	yellowfin shiner	1	75	60	4.9
Scartomyzon rupiscartes	striped jumprock	1	184	156	63.9

2003 Water Year

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA

Latitude: 33°40'01" Longitude: 083°56'17" Hydrologic Unit Code: 03070103 Rockdale County
Drainage Area: 260 mi^2 Datum: 620.0 feet



ALTAMAHA RIVER BASIN
2003 Water Year

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA

LOCATION.—Lat 33°40'01", long 83°56'17" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, 100.0 feet upstream of Gees Mill Road, 1.0 miles north of confluence with Big Haynes Creek, and 2.2 miles south of GA 138.

DRAINAGE AREA.—260 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 1, 2001 to current year.

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage 620.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except those for periods of estimated daily discharge, which are fair. Regulation upstream from unknown source.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 1, 2001 to current year.

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage 620.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good. Regulation upstream from unknown source.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 16.31 feet, May 7; minimum gage-height recorded, 3.17 feet, October 10.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260* DATUM 620.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	207	279	224	727	531	493	372	273	286	2250	723	312
2	186	238	217	675	393	436	335	467	268	7350	421	257
3	169	221	220	490	331	395	325	732	290	5750	413	247
4	152	245	219	428	347	363	310	450	589	1580	879	293
5	154	493	397	363	429	357	337	398	410	1390	526	263
6	168	2570	697	348	325	2600	382	4760	304	1870	377	228
7	247	1890	366	323	745	e4880	617	8330	1080	1080	554	219
8	380	585	283	302	620	e1550	644	5180	1720	766	602	213
9	229	405	257	294	394	853	454	1790	830	624	1410	210
10	163	331	267	304	542	622	456	916	425	520	608	208
11	157	1440	1420	321	598	519	680	684	343	807	426	213
12	151	2460	1150	286	403	459	508	612	312	650	446	210
13	193	947	782	264	344	423	390	488	409	489	420	196
14	195	561	1020	259	316	391	e330	413	1200	1320	373	193
15	617	435	574	258	310	482	313	630	1090	1130	310	231
16	3050	874	425	356	795	597	304	2180	541	521	281	229
17	2130	1710	363	304	1300	489	299	1260	2560	424	642	205
18	564	721	e325	278	635	716	351	1280	6200	367	422	194
19	371	466	e300	252	439	643	367	2540	5710	336	314	185
20	299	391	891	246	386	e4650	312	1010	3090	321	531	199
21	e355	463	812	244	356	e5240	311	608	1100	521	449	186
22	e315	610	455	290	1200	1570	425	2410	757	487	314	318
23	e250	387	366	293	2900	897	338	4840	598	999	273	1250
24	e230	315	1810	267	1100	679	287	1800	537	999	251	588
25	e210	289	e4650	251	609	564	767	750	457	500	239	299
26	210	274	e1220	248	497	517	1380	704	385	377	232	243
27	204	264	e710	245	668	496	630	599	354	360	235	225
28	216	250	e550	237	662	429	390	444	633	315	229	254
29	1030	238	e460	240	---	400	330	401	708	290	378	e235
30	728	229	e400	1040	---	421	299	348	416	288	295	e210
31	375	---	368	1160	---	469	---	303	---	744	359	---
TOTAL	13905	20581	22198	11593	18175	33600	13243	47600	33602	35425	13932	8313
MEAN	449	686	716	374	649	1084	441	1535	1120	1143	449	277
MAX	3050	2570	4650	1160	2900	5240	1380	8330	6200	7350	1410	1250
MIN	151	221	217	237	310	357	287	273	268	288	229	185
CFSM	1.73	2.64	2.75	1.44	2.50	4.17	1.70	5.91	4.31	4.40	1.73	1.07
IN.	1.99	2.94	3.18	1.66	2.60	4.81	1.89	6.81	4.81	5.07	1.99	1.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	449	393	450	439	500	758	413	995	700	658	285	294
MAX	449	686	716	504	649	1084	441	1535	1120	1143	449	310
(WY)	2003	2003	2003	2002	2003	2003	2003	2003	2003	2003	2003	2002
MIN	449	101	184	374	350	432	384	455	280	173	121	277
(WY)	2003	2002	2002	2003	2002	2002	2002	2002	2002	2002	2002	2003

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	147953		272167			
ANNUAL MEAN	405		746		746	
HIGHEST ANNUAL MEAN					746	2003
LOWEST ANNUAL MEAN					746	2003
HIGHEST DAILY MEAN	4650	Dec 25	8330	May 7	8330	May 7 2003
LOWEST DAILY MEAN	50	Sep 11	151	Oct 12	50	Sep 11 2002
ANNUAL SEVEN-DAY MINIMUM	53	Sep 7	183	Oct 1	53	Sep 7 2002
MAXIMUM PEAK FLOW			9480	May 7	9480	May 7 2003
MAXIMUM PEAK STAGE			16.31	May 7	16.31	May 7 2003
ANNUAL RUNOFF (CFSM)	1.56		2.87		2.87	
ANNUAL RUNOFF (INCHES)	21.17		38.94		38.97	
10 PERCENT EXCEEDS	844		1410		1410	
50 PERCENT EXCEEDS	229		413		413	
90 PERCENT EXCEEDS	95		229		229	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260* DATUM 620.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.53	3.82	3.60	5.39	4.75	4.62	4.18	3.80	3.96	8.36	5.61	4.02
2	3.45	3.66	3.58	5.25	4.25	4.41	4.04	4.52	3.86	14.84	4.52	3.74
3	3.38	3.59	3.59	4.60	4.02	4.26	4.00	5.44	3.97	13.38	4.46	3.69
4	3.31	3.69	3.59	4.38	4.08	4.14	3.94	4.46	5.18	7.86	6.11	3.93
5	3.32	4.58	4.24	4.14	4.38	4.12	4.04	4.26	4.50	7.44	4.92	3.77
6	3.38	9.71	5.32	4.09	4.00	9.17	4.21	12.39	4.04	8.49	4.34	3.58
7	3.69	8.26	4.15	3.99	5.45	---	5.03	15.55	6.49	6.68	5.00	3.53
8	4.20	4.94	3.84	3.91	5.06	---	5.14	12.86	8.17	5.76	5.20	3.49
9	3.63	4.30	3.73	3.88	4.26	5.83	4.47	8.29	5.91	5.28	7.32	3.48
10	3.36	4.02	3.77	3.92	4.78	5.07	4.48	6.21	4.58	4.91	5.22	3.47
11	3.33	6.96	7.28	3.98	4.99	4.71	5.27	5.50	4.23	5.88	4.54	3.50
12	3.31	9.48	6.61	3.85	4.29	4.49	4.67	5.25	4.08	5.36	4.62	3.48
13	3.48	6.09	5.58	3.76	4.07	4.36	4.24	4.82	4.46	4.79	4.51	3.40
14	3.49	4.86	6.31	3.74	3.96	4.24	---	4.54	6.91	7.07	4.31	3.39
15	4.88	4.41	4.91	3.74	3.94	4.57	3.96	5.29	6.66	6.72	4.02	3.60
16	10.45	5.75	4.37	4.12	5.54	4.98	3.92	9.02	5.01	4.91	3.87	3.59
17	8.65	8.07	4.14	3.92	7.08	4.60	3.90	7.01	9.23	4.53	5.30	3.45
18	4.87	5.40	---	3.82	5.11	5.40	4.09	7.03	13.91	4.29	4.52	3.39
19	4.17	4.52	---	3.72	4.42	5.13	4.16	9.69	13.49	4.15	4.04	3.34
20	3.90	4.24	5.85	3.69	4.22	---	3.95	6.46	10.28	4.08	4.92	3.42
21	---	4.50	5.68	3.68	4.11	---	3.94	5.24	6.72	4.88	4.63	3.35
22	---	5.03	4.48	3.87	6.49	7.70	4.37	8.97	5.73	4.78	4.04	3.92
23	---	4.23	4.15	3.88	10.26	5.97	4.05	12.64	5.21	6.37	3.83	7.10
24	---	3.96	7.67	3.77	6.51	5.27	3.85	8.13	5.00	6.42	3.71	5.12
25	---	3.86	---	3.71	5.03	4.87	5.43	5.71	4.70	4.82	3.65	3.96
26	3.55	3.80	---	3.70	4.63	4.70	7.27	5.56	4.42	4.33	3.61	3.67
27	3.52	3.76	---	3.69	5.23	4.63	5.09	5.21	4.28	4.26	3.63	3.57
28	3.57	3.71	---	3.66	5.21	4.38	4.24	4.65	5.30	4.05	3.59	3.73
29	6.22	3.66	---	3.67	---	4.28	4.02	4.48	5.56	3.92	4.29	---
30	5.41	3.63	---	6.18	---	4.35	3.90	4.25	4.54	3.90	3.94	---
31	4.19	---	4.16	6.66	---	4.53	---	4.04	---	5.66	4.25	---
MEAN	---	5.02	---	4.14	5.00	---	---	6.82	6.01	6.07	4.53	---
MAX	---	9.71	---	6.66	10.26	---	---	15.55	13.91	14.84	7.32	---
MIN	---	3.59	---	3.66	3.94	---	---	3.80	3.86	3.90	3.59	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260* DATUM 620.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.19	0.00	0.03	0.00	0.02	0.00	4.55	0.01	0.00
2	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.69	0.00	0.01	0.00	0.00
3	0.00	0.23	0.00	0.01	0.00	0.00	0.00	0.02	0.35	0.00	0.95	0.01
4	0.00	0.13	0.01	0.00	0.25	0.04	0.02	0.00	0.01	0.00	0.01	0.12
5	0.00	1.39	0.42	0.00	0.00	0.70	0.26	2.60	0.00	0.94	0.27	0.00
6	0.30	0.00	0.00	0.00	0.77	1.60	0.12	2.54	0.37	0.11	0.04	0.00
7	0.32	0.00	0.00	0.00	0.06	0.26	0.64	0.73	1.60	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.02	0.00
9	0.00	0.03	0.01	0.03	0.04	0.00	0.09	0.00	0.00	0.00	0.00	0.00
10	0.02	0.01	1.13	0.00	0.72	0.00	0.56	0.00	0.00	0.75	0.17	0.00
11	0.01	2.03	0.02	0.00	0.00	0.00	0.00	0.13	0.00	0.09	0.16	0.00
12	0.00	0.69	0.00	0.00	0.00	0.00	0.00	0.01	0.41	0.00	0.01	0.00
13	1.11	0.00	0.97	0.00	0.00	0.00	0.00	0.00	1.02	0.25	0.00	0.00
14	0.04	0.00	0.00	0.00	0.01	0.00	0.00	0.02	0.83	0.01	0.00	0.03
15	3.68	0.05	0.00	0.00	0.00	0.38	0.00	0.96	0.00	0.00	0.00	0.01
16	0.02	0.72	0.00	0.14	1.90	0.00	0.00	0.48	1.03	0.11	0.22	0.00
17	0.00	0.00	0.00	0.00	0.01	0.54	0.05	0.07	0.28	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.27	0.60	0.00	0.00	0.00
19	0.00	0.02	0.87	0.00	0.00	1.86	0.00	0.02	0.19	0.01	0.01	0.00
20	0.25	0.01	0.07	0.00	0.00	0.73	0.00	0.02	0.00	0.18	0.31	0.00
21	0.00	0.04	0.01	0.02	0.15	0.00	0.16	0.79	0.00	0.07	0.00	0.08
22	0.00	0.00	0.00	0.46	1.10	0.00	0.00	3.19	0.00	0.60	0.00	3.13
23	0.02	0.00	0.04	0.00	0.00	0.00	0.00	0.01	0.00	0.72	0.00	0.01
24	0.00	0.00	2.02	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00
25	0.06	0.00	0.01	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.26	0.53	0.00	0.05	0.00	0.23	0.00	0.00
27	0.01	0.00	0.00	0.00	0.24	0.00	0.00	0.01	0.15	0.00	0.00	0.68
28	0.96	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.01	0.81	0.00
29	0.25	0.00	0.00	0.66	---	0.00	0.00	0.00	0.00	0.00	0.01	0.00
30	0.01	0.00	0.00	0.51	---	0.23	0.00	0.00	0.06	0.90	0.00	0.00
31	0.00	---	0.43	0.00	---	0.00	---	0.00	---	1.23	0.03	---
TOTAL	7.06	5.36	6.01	2.08	5.51	6.92	3.30	12.63	7.52	10.77	3.03	4.07

ALTAMAHA RIVER BASIN
2003 Water Year

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA

LOCATION.—Lat 33°40'01", long 83°56'17" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, 100.0 feet upstream of Gees Mill Road, 1.0 miles north of confluence with Big Haynes Creek, and 2.2 miles south of GA 138.

DRAINAGE AREA.—260 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIOD OF RECORD.—November 1, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: November 1, 2001 to current year.
WATER TEMPERATURE: November 1, 2001 to current year.
TURBIDITY: November 1, 2001 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.—
SPECIFIC CONDUCTANCE: Maximum, 442 microsiemens, September 13, 2001; minimum, 44 microsiemens, May 7, 2003.
WATER TEMPERATURE: Maximum, 30.5 °C, July 18, 2002; minimum, 1.9 °C, January 5, 2002.
TURBIDITY: Maximum, >1,100 NTU, September 18, 2002; minimum, <2 NTU, August 13-16, 2002.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum, 222 microsiemens, October 6; minimum, 44 microsiemens, May 7.
WATER TEMPERATURE: Maximum, 27.9 °C, August 28; minimum, 2.9 °C, January 25.
TURBIDITY: Maximum, 902 NTU, March 20; minimum, 5.0 NTU, December 4.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260 DATUM 620.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	144	115	130	133	111	120	124	113	119	97	75	85
2	161	138	151	143	128	135	131	113	122	83	61	70
3	194	161	177	154	141	145	133	115	127	95	80	87
4	210	183	198	160	143	152	134	117	127	101	92	97
5	216	188	204	143	95	130	146	115	127	108	98	102
6	222	189	206	96	63	71	153	87	105	113	99	108
7	216	149	187	81	66	76	111	91	101	111	100	107
8	176	112	140	95	81	88	126	106	115	113	102	109
9	129	104	119	114	95	102	132	118	126	123	110	117
10	158	124	142	120	108	112	138	109	129	129	114	121
11	179	147	161	123	69	99	109	59	87	127	116	122
12	190	165	177	71	63	65	71	59	63	---	---	---
13	191	164	175	80	67	73	76	66	72	147	---	---
14	181	158	170	102	80	91	78	59	66	171	135	145
15	183	90	129	112	102	107	75	65	69	156	140	149
16	96	54	68	111	82	98	86	74	80	151	114	128
17	74	52	62	82	70	73	90	82	87	143	123	136
18	95	72	87	82	71	75	---	---	---	149	140	145
19	113	95	103	86	76	80	---	---	---	148	133	143
20	118	105	112	93	84	88	137	73	110	156	135	147
21	---	---	---	94	87	91	80	70	75	154	143	148
22	---	---	---	96	76	84	108	80	96	149	132	138
23	124	111	118	87	77	82	123	105	112	139	127	134
24	---	---	---	97	87	91	118	60	84	142	133	138
25	---	---	---	102	95	98	---	---	---	152	137	146
26	155	141	149	107	100	104	---	---	---	153	141	149
27	167	146	159	112	102	107	---	---	---	157	141	148
28	176	146	163	115	108	112	---	---	---	157	139	149
29	146	77	113	121	112	116	---	---	---	153	141	148
30	93	77	85	128	115	122	---	---	---	144	63	110
31	115	92	103	---	---	---	105	97	102	76	62	68
MONTH	---	---	---	160	63	100	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260 DATUM 620.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	88	76	82	---	---	---	104	96	102	141	123	134
2	99	86	93	---	---	---	117	99	109	135	96	115
3	102	94	98	---	---	---	125	107	118	105	84	96
4	102	96	99	---	---	---	126	114	120	105	87	95
5	103	89	97	123	110	118	122	112	119	112	81	103
6	101	85	94	118	53	77	120	103	113	81	47	55
7	115	88	97	60	50	53	117	100	107	48	44	46
8	95	82	89	72	58	64	102	80	90	57	46	53
9	105	89	98	82	70	76	109	90	99	55	48	51
10	108	94	101	93	80	87	117	106	113	62	52	56
11	111	90	99	100	93	98	118	102	111	70	62	65
12	115	89	104	109	87	100	107	87	98	75	66	70
13	126	103	117	120	99	110	122	105	112	81	70	76
14	132	116	124	119	106	114	127	116	123	85	78	82
15	131	121	127	118	104	112	129	116	125	86	76	80
16	131	85	105	104	87	94	132	116	126	76	51	63
17	97	72	78	96	88	93	140	122	132	69	51	58
18	95	71	85	101	86	94	137	122	131	84	59	75
19	110	95	103	91	71	87	137	114	126	62	55	58
20	---	---	---	71	48	54	120	111	116	83	61	72
21	---	---	---	56	48	52	128	114	122	101	79	90
22	122	59	93	70	53	61	124	111	119	101	60	79
23	---	---	---	78	66	72	120	102	111	64	57	60
24	---	---	---	101	76	88	125	110	117	79	64	70
25	---	---	---	104	93	101	127	98	108	88	79	84
26	---	---	---	111	94	103	102	67	75	98	87	92
27	---	---	---	105	92	100	96	74	84	100	89	95
28	---	---	---	111	97	104	112	94	101	113	92	103
29	---	---	---	110	100	105	120	104	114	112	97	108
30	---	---	---	106	99	103	129	110	122	118	93	105
31	---	---	---	109	99	105	---	---	---	117	108	113
MONTH	---	---	---	---	---	---	140	67	112	141	44	81

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260 DATUM 620.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	122	109	117	109	59	86	111	82	96	142	111	126
2	123	112	120	60	42	47	115	91	106	133	112	124
3	122	113	119	56	42	50	122	109	115	151	126	141
4	128	87	106	---	---	---	125	85	102	156	126	143
5	100	88	94	---	---	---	101	87	95	157	131	144
6	112	88	101	---	---	---	123	99	111	157	126	145
7	103	73	93	---	---	---	130	97	120	171	138	159
8	74	58	66	---	---	---	109	92	97	181	152	171
9	84	67	75	---	---	---	114	65	83	186	155	174
10	106	83	94	---	---	---	113	85	96	187	161	176
11	118	97	111	109	96	103	118	96	104	184	162	178
12	124	107	120	102	88	95	124	100	113	189	166	182
13	130	84	116	101	84	94	132	113	125	188	168	181
14	125	65	88	100	58	82	129	110	123	185	165	178
15	79	66	74	84	59	69	147	114	134	186	161	173
16	91	77	84	107	81	94	154	129	144	178	152	167
17	97	45	70	115	97	107	144	85	122	177	157	168
18	---	---	---	125	100	115	126	83	104	190	160	173
19	---	---	---	130	111	122	133	116	126	202	183	193
20	---	---	---	130	114	124	132	95	110	216	186	198
21	---	---	---	127	100	116	147	114	131	220	197	210
22	---	---	---	110	91	102	133	114	126	201	101	168
23	---	---	---	111	75	94	147	127	138	133	77	103
24	109	93	102	86	76	81	156	142	150	103	81	91
25	113	101	108	104	83	94	168	146	159	124	102	111
26	126	105	116	119	97	111	180	152	166	141	119	131
27	128	115	123	128	108	121	169	144	160	153	132	143
28	127	100	114	132	116	128	174	149	165	154	141	148
29	111	97	103	144	119	136	173	144	158	---	---	---
30	111	95	103	150	128	141	157	109	122	---	---	---
31	---	---	---	147	96	123	130	109	120	---	---	---
MONTH	---	---	---	---	---	---	180	65	123	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260 DATUM 620.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.6	21.7	22.5	16.1	14.6	15.3	8.8	7.3	8.2	10.3	9.2	9.8
2	24.2	22.0	23.0	14.7	13.5	14.1	7.9	6.3	7.1	10.8	10.3	10.5
3	24.4	22.1	23.1	14.3	13.4	13.9	8.3	6.5	7.4	10.8	9.0	10.1
4	24.0	22.2	23.1	14.3	13.7	14.0	8.2	7.5	8.0	9.0	7.5	8.2
5	25.0	23.0	23.7	14.3	14.0	14.1	7.5	7.0	7.3	7.9	6.9	7.4
6	25.0	22.9	23.7	14.3	13.5	14.0	7.5	6.2	6.8	7.7	6.9	7.2
7	24.4	22.8	23.5	13.5	12.9	13.2	6.6	5.7	6.1	7.2	6.3	6.7
8	23.6	21.4	22.5	13.0	12.1	12.6	6.7	5.3	6.0	7.3	6.0	6.6
9	21.4	20.3	20.8	13.8	12.3	12.9	7.2	6.1	6.7	8.9	6.9	7.9
10	20.3	19.9	20.1	15.8	13.8	14.8	7.6	7.1	7.4	9.9	8.9	9.3
11	21.3	19.9	20.5	17.1	15.8	16.6	8.0	7.6	7.8	8.9	7.2	8.0
12	22.2	20.2	21.1	17.2	16.4	16.9	8.2	7.7	7.9	---	---	---
13	22.5	21.1	21.6	16.4	14.3	15.2	8.4	8.1	8.3	---	---	---
14	21.4	20.1	21.0	14.3	12.8	13.4	8.4	7.5	8.0	6.7	5.0	5.9
15	20.1	16.4	17.7	12.8	12.0	12.5	7.5	6.7	7.2	6.6	5.4	5.9
16	17.2	16.2	16.7	13.7	12.8	13.4	7.7	6.6	7.1	5.6	5.0	5.4
17	16.7	15.9	16.3	13.6	11.7	12.8	8.5	7.3	7.9	5.8	4.8	5.3
18	16.3	15.4	15.9	11.7	10.5	11.0	---	7.9	---	4.8	3.6	4.1
19	16.2	15.1	15.7	10.9	10.4	10.7	10.1	---	---	4.5	3.0	3.7
20	16.8	15.5	16.2	11.8	10.8	11.3	10.6	10.0	10.3	5.5	3.1	4.3
21	17.6	16.7	17.1	12.7	11.8	12.2	10.4	8.5	9.3	8.2	5.3	6.9
22	17.6	17.2	17.5	12.3	11.0	11.7	9.0	8.0	8.5	9.2	8.2	8.7
23	17.2	16.6	16.9	11.0	9.5	10.2	9.0	8.0	8.5	8.8	5.4	7.4
24	---	---	---	10.2	8.9	9.5	9.3	8.8	9.1	5.4	3.5	4.2
25	17.0	16.7	16.8	10.3	8.8	9.5	8.9	7.8	8.4	4.4	2.9	3.6
26	17.3	16.5	16.9	10.5	9.0	9.7	7.8	6.7	7.1	5.2	3.8	4.4
27	18.0	16.8	17.4	10.9	9.7	10.4	6.7	5.8	6.3	5.4	3.9	4.5
28	18.8	17.7	18.2	9.7	8.2	9.0	6.6	5.7	6.2	5.6	3.5	4.6
29	19.5	18.5	19.0	8.6	7.2	8.0	7.3	6.1	6.6	7.0	5.4	6.1
30	19.1	18.1	18.7	9.6	8.0	8.7	7.7	6.6	7.1	8.7	7.0	7.9
31	18.1	16.1	17.1	---	---	---	9.2	7.5	8.2	9.0	8.3	8.6
MONTH	---	---	---	17.2	7.2	12.4	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260 DATUM 620.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.0	8.1	8.6	10.1	9.7	9.9	14.6	12.0	13.3	22.0	20.1	20.9
2	9.2	7.8	8.5	11.4	10.1	10.7	16.3	13.3	14.7	22.5	20.7	21.4
3	10.0	8.3	9.1	11.0	9.8	10.5	17.5	14.5	15.9	21.2	19.3	20.2
4	11.4	9.9	10.6	11.2	9.8	10.6	18.5	15.9	17.1	20.8	18.7	19.8
5	10.4	9.1	9.8	12.4	11.0	11.6	18.2	17.2	17.7	20.7	20.0	20.4
6	9.1	8.2	8.8	12.8	12.3	12.6	18.3	17.2	17.8	20.0	19.3	19.6
7	8.2	7.5	7.9	13.2	12.6	12.8	17.9	16.9	17.4	19.6	19.3	19.4
8	7.5	6.5	7.0	13.5	12.5	13.0	16.9	15.3	16.1	20.7	19.4	20.0
9	7.8	6.7	7.2	14.3	12.7	13.5	15.3	14.0	14.7	21.8	20.3	21.0
10	8.9	7.7	8.2	14.5	13.1	13.9	14.0	12.4	13.2	22.5	21.2	21.9
11	8.3	7.3	7.9	14.2	12.7	13.5	12.8	12.0	12.4	22.3	21.2	22.0
12	8.8	7.4	8.1	14.6	12.6	13.7	14.6	12.1	13.4	21.5	20.2	20.8
13	9.1	7.4	8.2	15.8	14.0	14.9	16.6	14.1	15.3	20.8	19.4	20.1
14	8.6	7.8	8.2	15.6	15.0	15.4	17.7	15.0	16.4	20.0	18.9	19.3
15	10.2	8.3	9.2	15.0	13.7	14.2	18.8	16.3	17.5	19.1	18.3	18.6
16	10.3	8.9	9.6	14.2	13.1	13.6	19.4	17.0	18.1	20.4	18.7	19.5
17	9.0	7.4	8.1	13.8	13.7	13.8	18.8	17.6	18.3	21.2	20.0	20.5
18	8.0	6.9	7.5	14.4	13.8	14.1	19.2	18.0	18.4	21.2	19.5	20.6
19	8.4	7.2	7.8	14.8	14.4	14.6	18.2	17.4	17.8	19.5	18.4	18.9
20	---	8.2	---	14.7	13.7	13.9	18.0	17.3	17.6	18.5	17.9	18.2
21	10.4	---	---	14.8	13.4	14.0	18.0	17.2	17.6	19.0	18.3	18.6
22	12.9	10.4	11.6	15.5	13.9	14.8	18.4	16.8	17.6	19.0	18.7	18.9
23	12.2	11.4	12.0	15.4	13.9	14.8	18.5	16.4	17.4	19.0	18.4	18.6
24	11.5	10.0	10.9	15.9	14.0	15.0	17.6	16.1	16.8	20.4	18.7	19.5
25	11.7	10.8	11.3	16.4	14.6	15.6	17.2	16.1	16.6	20.9	19.7	20.4
26	11.4	10.2	10.8	17.2	15.5	16.4	17.8	16.2	17.0	21.3	20.4	20.8
27	10.2	9.1	9.5	18.1	16.4	17.2	18.7	17.0	17.9	21.3	20.1	20.7
28	9.8	8.8	9.3	18.2	17.4	17.8	19.7	17.9	18.8	21.3	19.7	20.5
29	---	---	---	18.2	16.9	17.6	20.5	18.3	19.4	21.0	19.9	20.4
30	---	---	---	16.9	14.4	15.8	21.5	19.3	20.3	21.1	19.3	20.2
31	---	---	---	14.4	12.8	13.6	---	---	---	22.0	20.1	21.0
MONTH	---	---	---	18.2	9.7	14.0	21.5	12.0	16.8	22.5	17.9	20.1

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260 DATUM 620.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.5	20.5	21.4	24.0	21.8	22.7	25.7	24.9	25.3	26.8	25.4	26.0
2	22.0	19.9	20.9	22.0	21.7	21.8	26.1	25.1	25.5	27.1	25.3	26.0
3	21.6	20.8	21.1	23.1	21.6	22.2	25.4	24.8	25.2	26.7	25.0	25.7
4	22.2	20.7	21.5	24.0	22.6	23.3	25.3	24.8	25.1	26.2	25.1	25.7
5	23.0	21.3	22.2	23.9	23.3	23.6	25.9	24.9	25.4	26.1	25.0	25.5
6	22.3	21.6	21.9	24.3	23.2	23.8	25.7	25.1	25.4	25.1	23.6	24.4
7	22.2	21.6	21.9	24.6	23.5	24.1	25.1	24.3	24.6	24.1	22.7	23.3
8	23.4	22.0	22.6	25.2	24.1	24.7	24.9	24.1	24.5	24.1	21.9	22.8
9	23.7	22.3	23.1	26.0	24.6	25.3	24.8	23.3	24.2	24.0	21.7	22.7
10	24.1	22.4	23.3	25.6	24.5	25.0	25.3	24.3	24.8	23.4	21.8	22.5
11	24.9	23.1	23.9	25.1	24.0	24.6	25.4	24.3	24.7	23.7	21.3	22.3
12	24.7	23.3	23.9	25.5	24.2	24.9	24.5	23.8	24.2	23.8	21.3	22.4
13	24.7	23.4	23.8	26.0	24.9	25.3	24.8	23.8	24.2	23.6	21.1	22.2
14	23.4	22.9	23.2	25.1	23.5	24.3	25.8	24.1	24.9	23.2	21.5	22.3
15	24.5	23.1	23.8	25.1	23.5	24.3	26.9	25.1	25.8	23.7	21.8	22.6
16	24.5	23.9	24.2	25.6	24.5	25.1	26.9	25.5	26.1	23.6	21.9	22.6
17	24.4	22.8	23.7	26.2	24.6	25.3	26.1	25.2	25.7	23.7	21.4	22.3
18	22.9	22.4	22.6	26.6	25.2	25.8	26.9	25.6	26.2	23.2	20.5	21.7
19	23.3	22.8	23.0	26.4	25.2	25.7	27.2	25.7	26.3	23.2	20.3	21.6
20	24.1	22.9	23.4	26.6	25.1	25.8	26.5	25.2	25.9	23.5	20.9	22.0
21	23.8	22.4	23.0	26.4	25.3	25.9	26.7	25.6	26.2	23.0	21.2	22.0
22	23.1	21.9	22.6	26.2	25.1	25.8	27.0	25.4	26.1	22.9	22.1	22.4
23	23.5	22.0	22.8	25.1	24.5	24.7	27.2	25.5	26.4	22.9	22.1	22.5
24	24.2	22.5	23.3	25.1	23.8	24.5	27.2	25.7	26.4	22.6	21.4	21.9
25	24.8	23.0	23.8	25.4	24.0	24.7	27.3	25.8	26.4	22.8	21.1	21.8
26	24.8	23.5	24.2	25.5	24.4	24.9	27.5	25.2	26.3	22.7	20.7	21.7
27	24.3	23.4	23.8	26.0	24.4	25.1	27.4	25.4	26.4	23.1	20.8	21.9
28	23.6	22.9	23.3	26.8	24.9	25.8	27.9	25.6	26.5	22.6	20.9	21.7
29	23.8	22.9	23.4	27.4	25.4	26.3	26.6	25.4	26.0	---	---	---
30	24.7	23.7	24.1	26.6	25.4	26.1	26.9	25.1	25.7	---	---	---
31	---	---	---	25.6	24.8	25.3	26.9	25.2	25.9	---	---	---
MONTH	24.9	19.9	23.0	27.4	21.6	24.7	27.9	23.3	25.6	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260 DATUM 620.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23	14	17	57	20	24	8.9	5.3	6.3	94	30	64
2	18	12	15	22	13	16	7.7	4.8	5.5	98	46	75
3	21	11	15	21	13	16	7.1	4.7	5.6	46	30	36
4	19	11	16	28	14	21	7.6	4.6	5.5	33	24	27
5	22	10	15	199	22	33	62	5.0	19	28	19	22
6	25	10	16	303	136	183	102	37	60	22	17	20
7	72	18	32	---	---	---	38	15	22	24	16	18
8	64	36	49	85	38	51	17	8.8	11	20	15	17
9	40	25	30	41	22	30	10	6.7	8.2	26	14	16
10	63	14	28	26	20	21	66	6.1	7.3	23	14	17
11	29	14	19	---	---	---	145	36	97	19	13	15
12	34	10	15	---	---	---	90	39	62	---	---	---
13	68	16	25	---	---	---	67	30	38	---	---	---
14	25	12	17	---	---	---	74	37	53	13	9.5	10
15	815	16	192	---	---	---	41	21	28	13	9.3	10
16	471	173	234	275	28	53	26	15	18	37	13	19
17	195	94	124	---	---	---	22	11	13	17	12	13
18	96	49	67	---	---	---	---	---	---	13	11	12
19	53	31	40	41	22	30	---	---	---	17	10	11
20	79	24	29	28	17	21	224	21	86	12	9.4	10
21	---	---	---	52	15	19	208	44	76	12	9.0	10
22	---	---	---	62	28	42	73	21	31	20	12	15
23	31	21	24	31	15	21	24	15	18	18	8.7	11
24	---	---	---	17	11	13	---	---	---	11	7.8	8.7
25	---	---	---	29	9.8	12	---	---	---	9.6	7.6	8.3
26	41	13	16	17	8.3	9.8	---	---	---	9.2	7.6	8.1
27	24	13	16	13	7.8	9.3	---	---	---	9.2	7.3	7.9
28	---	---	---	17	6.3	8.1	---	---	---	8.5	4.8	5.8
29	282	54	184	14	6.2	7.1	---	---	---	8.4	5.1	5.7
30	164	52	88	8.8	5.3	6.4	---	---	---	335	7.9	108
31	52	28	36	---	---	---	32	26	29	312	59	106
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260 DATUM 620.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	60	27	39	---	---	---	17	10	12	22	11	14
2	29	17	21	---	---	---	15	8.8	11	133	12	50
3	19	12	14	---	---	---	9.8	6.8	8.2	197	42	108
4	31	12	16	---	---	---	8.1	5.8	6.8	175	26	49
5	44	22	28	134	13	15	9.6	5.9	6.8	260	20	24
6	32	15	20	602	51	368	13	7.1	9.4	672	138	348
7	90	17	56	285	154	220	49	7.8	20	348	203	256
8	91	30	52	155	107	134	36	15	24	208	121	140
9	32	15	20	111	72	89	17	9.4	12	125	86	104
10	40	15	29	79	44	59	12	8.0	9.4	88	52	70
11	42	26	38	46	33	39	30	10	22	54	40	48
12	27	13	17	36	28	31	31	12	19	48	33	39
13	15	10	11	31	20	26	14	7.7	9.6	64	26	32
14	12	8.5	9.7	25	18	21	12	7.3	9.2	36	22	27
15	10	7.9	8.9	50	16	24	13	8.4	9.6	118	23	69
16	300	8.6	131	54	30	46	12	8.0	9.4	585	83	232
17	183	72	134	40	21	29	11	8.1	9.4	230	55	120
18	73	30	45	46	33	40	15	8.6	11	355	46	72
19	32	15	21	156	23	28	16	11	12	366	107	164
20	---	---	---	825	141	354	16	7.9	10	168	55	80
21	---	---	---	204	104	126	12	7.8	9.2	74	42	50
22	558	14	277	115	76	95	83	11	19	376	41	275
23	---	---	---	82	49	63	22	11	16	281	102	166
24	---	---	---	52	30	41	21	9.1	11	119	63	96
25	---	---	---	50	22	27	199	9.3	78	86	42	52
26	---	---	---	62	18	23	231	96	124	61	39	44
27	---	---	---	39	15	18	109	32	56	74	30	51
28	---	---	---	17	13	15	33	17	25	32	22	27
29	---	---	---	16	12	13	21	15	18	32	19	22
30	---	---	---	18	12	14	68	14	17	32	16	21
31	---	---	---	19	13	16	---	---	---	28	14	16
MAX	---	---	---	---	---	---	231	96	124	672	203	348
MIN	---	---	---	---	---	---	8.1	5.8	6.8	22	11	14

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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LATITUDE 334001 LONGITUDE 0835617 NAD83 DRAINAGE AREA 260 CONTRIBUTING DRAINAGE AREA 260 DATUM 620.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20	12	14	558	24	279	178	52	76	55	26	31
2	21	11	13	283	188	217	55	21	35	28	16	20
3	24	11	14	190	110	128	105	17	32	22	13	15
4	92	24	57	122	76	96	172	55	112	22	15	18
5	54	22	32	166	70	88	84	29	56	26	14	18
6	273	14	20	238	103	150	34	18	24	19	11	14
7	214	62	158	103	60	73	115	18	35	15	9.7	13
8	307	115	167	63	41	52	140	60	86	15	8.2	11
9	115	49	82	42	29	36	714	59	227	16	7.8	10
10	49	28	36	54	27	30	314	57	80	---	---	---
11	29	18	23	78	32	52	297	40	59	---	---	---
12	24	16	18	57	33	45	76	35	49	---	---	---
13	546	15	23	55	24	34	35	29	32	---	---	---
14	536	88	220	582	40	168	37	24	30	---	---	---
15	422	112	170	264	62	115	32	16	20	71	16	28
16	112	60	73	62	30	41	52	12	17	41	10	14
17	556	52	370	33	21	28	199	21	86	---	---	---
18	386	221	290	23	16	20	113	31	68	---	---	---
19	240	158	209	21	14	17	34	15	22	---	---	---
20	160	110	128	34	13	16	414	17	133	---	---	---
21	110	77	97	79	16	50	58	27	38	---	---	---
22	84	50	68	64	30	37	36	18	23	---	---	---
23	51	34	43	261	32	112	25	15	18	---	---	---
24	38	29	33	154	52	110	28	12	17	---	---	---
25	33	24	28	52	23	32	21	10	13	---	---	---
26	26	19	23	24	15	20	17	10	14	---	---	---
27	24	16	19	30	14	18	22	9.6	14	---	---	---
28	138	18	64	20	12	16	37	10	14	---	---	---
29	105	45	79	17	9.9	12	50	16	34	---	---	---
30	46	22	29	70	9.6	12	109	39	64	---	---	---
31	---	---	---	106	30	75	75	30	41	---	---	---
MAX	556	221	370	582	188	279	714	60	227	---	---	---
MIN	20	11	13	17	9.6	12	17	9.6	13	---	---	---

ALTAMAHA RIVER BASIN
2003 Water Year

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA

LOCATION.—Lat 33°40'01", long 83°56'17" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, 100 feet upstream of Gees Mill Road bridge, 1.0 miles north of confluence with Big Haynes Creek, and 2.2 miles south of GA 138.

DRAINAGE AREA.—260 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER QUALITY RECORDS

PERIOD OF RECORD.—November 01, 2001, to current year.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses of biological oxygen demand are by the U.S. Geological Survey, Ocala Water-Quality and Resource Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Missouri District Laboratory and the Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, percent of saturation (00301)
NOV													
20...	1225	--	80020	4.18	374	18	17	7.3	7.5	116	114	751	102
DEC													
02...	1320	--	80020	3.55	210	8.0	5.6	6.7	7.7	156	153	746	101
10...	0940	--	80020	3.64	233	9.3	--	6.7	--	135	--	749	99
DEC													
20-21	0235	0225	80020	--	--	--	83	--	7.5	--	100	--	--
JAN													
06...	1000	--	80020	4.06	341	21	--	7.4	--	109	--	751	97
14...	1250	--	80020	3.72	253	11	9.3	7.2	7.0	166	166	752	104
FEB													
07...	1110	--	80020	5.56	765	50	27	7.2	7.6	114	117	749	100
11...	1320	--	80020	4.91	575	37	--	6.8	--	93	--	752	97
FEB													
16-17	0745	1330	80020	--	--	150	110	7.0	7.2	93	90	--	--
18...	1330	--	80020	4.99	597	43	28	7.0	7.4	90	89	752	105
22...	0737	--	80020	--	--	--	--	--	7.7	--	75	--	--
FEB													
22-23	0737	0851	80020	--	--	300	200	6.6	--	72	--	--	--
22...	1250	--	80020	6.13	951	240	210	6.8	7.3	86	85	733	101
MAR													
12...	1050	--	80020	4.42	439	18	--	7.1	--	103	--	752	101
APR													
03...	0945	--	80020	4.02	331	15	10	6.8	6.8	123	128	753	97
09...	1015	--	80020	4.48	456	20	22	6.7	7.7	100	99	743	96
10...	0940	--	80020	4.46	450	17	--	6.8	--	112	--	739	97
MAY													
15...	1145	--	80020	5.24	607	78	--	7.0	--	106	--	748	110
19...	1000	--	80020	10.26	2880	170	110	6.9	7.2	63	65	751	112
MAY													
22-23	0745	1220	80020	--	--	380	260	7.0	7.7	59	61	--	--
JUN													
06-08	1940	1535	80020	--	--	230	190	7.8	7.1	84	84	--	--

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA—continued.

11...	0935	--	80020	4.27	353	--	--	7.2	--	112	--	750	--
24...	1205	--	80020	4.93	519	38	21	7.1	7.6	101	106	756	--
JUL													
14...	0945	--	80020	7.03	1210	88	82	7.2	7.8	108	104	764	--
16...	1105	--	81213	4.97	544	26	--	7.2	--	95	--	--	--
JUL 31-													
AUG 01	0250	0330	80020	--	--	290	280	7.3	6.8	111	108	--	--
04...	1305	--	80020	6.23	917	86	77	7.3	7.6	116	112	--	--
19...	1145	--	80020	4.01	303	21	--	7.2	--	134	--	749	--
AUG													
26-26	0930	1000	80020	3.63	230	14	11	7.1	7.7	160	156	752	94
SEP													
08...	0940	--	80020	3.50	206	10	--	7.2	--	168	--	752	99

Date	Dis-solved oxygen, mg/L (00300)	Temper-ature, water, deg C (00010)	Temper-ature, air, deg C (00020)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, fltrd, mg/L (71846)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Organic nitro-gen, water, unfltrd mg/L (00605)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, unfltrd mg/L (00600)
NOV													
20...	10.9	11.5	--	--	--	.30	.082	.11	1.15	.22	<.007	.025	1.5
DEC													
02...	11.8	7.5	--	--	--	.24	.038	.05	1.53	.21	<.007	.015	1.8
10...	11.8	7.1	--	--	--	--	--	--	--	--	--	--	--
DEC													
20-21	--	--	--	73	92	.63	E.012	--	.933	--	<.007	.131	1.6
JAN													
06...	11.6	7.0	--	--	--	--	--	--	--	--	--	--	--
14...	12.7	6.2	--	--	--	.30	.053	.07	1.45	.24	<.007	.021	1.8
FEB													
07...	11.7	7.8	6.4	78	37	.31	.045	.06	1.17	.27	<.007	.054	1.5
11...	11.4	8.0	11.2	--	--	--	--	--	--	--	--	--	--
FEB													
16-17	--	--	--	58	128	.68	.036	.05	.803	.65	<.007	.122	1.5
18...	12.3	7.6	10.3	--	--	.34	.031	.04	.723	.31	<.007	.042	1.1
22...	--	--	--	44	260	--	--	--	--	--	--	--	--
FEB													
22-23	--	--	--	--	--	.95	.034	.04	.688	.91	<.007	.21	1.6
22...	10.4	12.4	--	--	--	.93	.036	.05	.786	.89	<.007	.21	1.7
MAR													
12...	10.5	13.0	19.1	--	--	--	--	--	--	--	--	--	--
APR													
03...	9.7	14.9	22.4	85	<10	.28	.025	.03	1.24	.26	<.007	.024	1.5
09...	9.5	14.7	11.4	--	--	.31	.037	.05	.869	.27	<.007	.029	1.2
10...	9.8	13.3	6.0	--	--	--	--	--	--	--	--	--	--
MAY													
15...	10.1	18.4	21.1	--	--	--	--	--	--	--	--	--	--
19...	10.2	19.0	17.2	--	--	.23	.054	.07	.517	.18	<.007	.139	.75
MAY													
22-23	--	--	--	43	404	1.5	.053	.07	.458	1.4	<.007	.32	1.9
JUN													
06-08	--	--	--	60	155	1.4	E.014	--	.646	--	<.007	.32	2.0
11...	--	23.4	30.0	--	--	--	--	--	--	--	--	--	--
24...	--	24.0	33.5	--	--	.32	.018	.02	1.02	.30	<.007	.033	1.3
JUL													
14...	--	24.7	27.2	--	--	.74	.019	.02	.955	.72	<.007	.139	1.7
16...	--	27.0	26.4	--	--	--	--	--	--	--	--	--	--
JUL 31-													
AUG 01	--	--	--	73	826d	2.5	<.015	--	.857	--	<.007	.68	3.3
04...	8.0	25.1	30.0	--	--	.60	.015	.02	.964	.58	<.007	.104	1.6
19...	--	26.2	30.2	--	--	--	--	--	--	--	--	--	--
AUG													
26-26	7.6	25.4	32.7	101	10	.33	.019	.02	1.25d	.31	<.007	.023	1.6
SEP													
08...	8.5	22.2	28.4	--	--	--	--	--	--	--	--	--	--

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA—continued.

Date	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Chloro-phyll a phyto-plank-ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank-ton, fluoro, ug/L (70954)	Hard-ness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Cadmium water, fltrd, ug/L (01025)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Sus-pended sedi-ment concen-tration mg/L (80154)
NOV													
20...	--	.6	--	.5	<.1	28	7.97	2.03	--	E1.0	.12	3	--
DEC													
02...	2.7	.7	--	E.3	<.1	35	10.2	2.43	--	E.7	.08	6	--
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
20-21	6.7	1.1	20	--	--	25	6.92	1.83	<.04	E.7	.17	5	148
JAN													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	3.6	.6	--	.5	<.1	38	10.7	2.64	--	E.9	.11	6	--
FEB													
07...	3.5	--	<10	--	--	29	8.25	2.00	<.04	E.7	.15	4	79
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
16-17	6.9	2.3	20	--	--	22	6.05	1.59	<.04	E.8	.17	4	145
18...	3.3	1.2	--	1.9	<.1	22	6.25	1.63	--	<1.2	.18	3	71
22...	--	--	E30	--	--	18	4.96	1.34	<.04	1.2	.15	3	--
FEB													
22-23	12.1	2.6	--	--	--	--	--	--	--	--	--	--	349
22...	11.7	E2.5	--	--	--	18	5.22	1.31	--	E.6	.19	4	432
APR													
03...	4.0	1.0	20	--	--	30	8.29	2.20	<.04	<1.2	.09	3	17
09...	3.8	.9	--	E.7	<.1	24	6.84	1.79	--	E.8	.10	3	26
MAY													
19...	7.3	1.8	--	--	--	17	4.66	1.24	--	E.8	.20	2	145
MAY													
22-23	15.7	--	50	--	--	16	4.43	1.12	<.04	E.7	.39	3	332
JUN													
06-08	14.6	2.7	40	--	--	23	6.47	1.56	<.04	E.8	<.08	1	445
24...	3.1	<.1	--	1.1	<.1	31	8.72	2.22	--	E1.1	<.08	3	--
JUL													
14...	7.6	.9	--	3.4	.8	30	8.64	1.98	--	E.8	.11	2	109
16...	--	1.3	--	--	--	--	--	--	--	--	--	--	46
JUL 31-													
AUG 01	30.7	--	20	--	--	31	8.76	2.10	E.02n	1.5	.08	3	982
04...	5.8	1.4	--	--	--	34	10.1	2.21	--	1.3	.13	3	89
AUG													
26-26	2.8	.6	10	--	--	41	11.9	2.82	<.04	E.9n	<.08	3	14

Date	Sus-pended sedi-ment load, tons/d (80155)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	1,2-Di-phenyl-hydra-zine, water, unfltrd ug/L (82626)	246-Tri bromo-phenol, sur Sch 1383/85 wat unf pct rcv (90652)	2,4,6-Tri-chloro-phenol, water, unfltrd ug/L (34621)	2,4-Di-chloro-phenol, water, unfltrd ug/L (34601)	2,4-Di-methyl-phenol, water, unfltrd ug/L (34606)	2,4-Di-nitro-phenol, water, unfltrd ug/L (34616)	2,4-Di-nitro-toluene water unfltrd ug/L (34611)	2,6-Di-nitro-toluene water unfltrd ug/L (34626)	2-Chloro-naphth-alene, water, unfltrd ug/L (34581)	2-chloro-phenol, water, unfltrd ug/L (34586)	2-Methyl-4,6-di-nitro-phenol, wat unf ug/L (34657)
NOV													
20...	--	--	<1	47.1	<3	<2	<2.0	<3	<3	<2	<2	<2	<2
DEC													
10...	--	--	<1	78.2	<3	<2	<2.0	<3	<3	<2	<2	<2	<2
DEC													
20-21	--	73	--	--	--	--	--	--	--	--	--	--	--
JAN													
06...	--	--	<1	66.7	<3	<2	<2.0	<3	<3	<2	<2	<2	<2
FEB													
07...	163	68	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	<1	86.6	M	M	<2.0	<3	<3	<2	<2	<2	<2
FEB													
16-17	--	82	--	--	--	--	--	--	--	--	--	--	--
18...	114	42	--	--	--	--	--	--	--	--	--	--	--
FEB													
22-23	--	75	--	--	--	--	--	--	--	--	--	--	--
22...	1110	87	--	--	--	--	--	--	--	--	--	--	--
MAR													
12...	--	--	<1	88.7	M	M	<2.0	<3	<3	<2	<2	<2	<2

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA—continued.

Date													
APR													
03...	15	59	--	--	--	--	--	--	--	--	--	--	--
09...	32	89	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	<1	78.4	<3	<2	<2.0	<3	<3	<2	<2	<2	<2
MAY													
15...	--	--	<1	81.0	<3	<2	<2.0	<3	<3	<2	<2	<2	<2
19...	1130	84	--	--	--	--	--	--	--	--	--	--	--
MAY													
22-23	--	51	--	--	--	--	--	--	--	--	--	--	--
JUN													
06-08	--	72	--	--	--	--	--	--	--	--	--	--	--
JUL													
14...	357	81	<1	84.9	<3	<2	<2.0	<3	<3	<2	<2	<2	<2mc
16...	68	60	--	--	--	--	--	--	--	--	--	--	--
JUL 31-													
AUG 01	--	83	--	--	--	--	--	--	--	--	--	--	--
04...	220	99	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	<1	86.6	<3	<2	<2.0	<3	<3	<2	<2	<2	<2mc
AUG													
26-26	8.7	92	--	--	--	--	--	--	--	--	--	--	--
SEP													
08...	--	--	<1	89.4	<3	<2	<2.0	<3	<3	<2	<2	<2	<2mc

Date	2-nitro-phenol, water unfltrd ug/L (34591)	3,3'-Di chloro-benzi-dine, water, unfltrd ug/L (34631)	4-Bromo-phenyl phenyl ether, wat unf ug/L (34636)	4-Chloro-3-methyl-phenol, wat unf ug/L (34452)	4-Chloro-phenyl phenyl ether, wat unf ug/L (34641)	4-Nitro-phenol, water, unfltrd ug/L (34646)	9H-Fluor-ene, water, unfltrd ug/L (34381)	Ace-naphth-ene, water, unfltrd ug/L (34205)	Ace-naphth-ylene, water, unfltrd ug/L (34200)	Aldrin, water, unfltrd ug/L (39330)	alpha-Endo-sulfan, water, unfltrd ug/L (39388)	alpha-HCH-d6, surrog, Sch1398 water, unfltrd pct rcv (99777)	Anthra-cene, water, unfltrd ug/L (34220)
NOV													
20...	<1	<.9	<2	<3	<2	<4	<2	<2	<2	<.002	<.002	138	<2
DEC													
10...	<1	<.9	<2	<3	<2	<4	<2	<2	<2	<.002	<.002	84.7	<2
JAN													
06...	<1	<.9	<2	<3	<2	<4	<2	<2	<2	<.002	<.002	77.6	<2
FEB													
11...	<1	<.9	<2	<3	<2	<4	M	<2	<2	<.002	<.002	67.7	<2
MAR													
12...	<1	<.9	<2	<3	<2	<4	<2	<2	<2	<.002	<.002	66.6	<2
APR													
10...	<1	<.9	<2	<3	<2	<4	<2	<2	<2	<.002	<.002	71.7	<2
MAY													
15...	<1	<.9	<2	<3	<2	<4	<2	<2	<2	<.002	<.002	38.9	<2
JUN													
11...	--	--	--	--	--	--	--	--	--	<.002	<.002	44.7	--
JUL													
14...	<1	<.9mc	<2	<3	<2	<4mc	<2	<2	<2	<.002	<.002	57.6	<2
AUG													
19...	<1	<.9mc	<2	<3	<2	<4mc	<2	<2	<2	<.002	<.002	50.7	<2
SEP													
08...	<1	<.9mc	<2	<3	<2	<4mc	<2	<2	<2	--	--	--	<2

Date	Benzi-dine, water, unfltrd ug/L (39120)	Benzo-[a]-anthra-cene, water, unfltrd ug/L (34526)	Benzo-[a]-pyrene, water, unfltrd ug/L (34247)	Benzo-[b]-fluor-anthene water unfltrd ug/L (34230)	Benzo-[g,h,i]-per-ylene, water, unfltrd ug/L (34521)	Benzo-[k]-fluor-anthene water unfltrd ug/L (34242)	Benzyl n-butyl phthal-ate, water, unfltrd ug/L (34292)	Bis(2-chloro-ethoxy) methane water unfltrd ug/L (34278)	Bis(2-chloro-ethyl) ether, water, unfltrd ug/L (34273)	Bis(2-chloro-iso-propyl) ether, wat unf ug/L (34283)	Bis(2-ethyl-hexyl) phthal-ate, wat unf ug/L (39100)	Chlor-dane, tech-nical, water, unfltrd ug/L (39350)	Chrys-ene, water, unfltrd ug/L (34320)
NOV													
20...	<1000	<2	<1	<2	<2	<1	<2	<3	<2	<2	<2	<.1	<3
DEC													
10...	<1000	<2	<1	<2	<2	<1	<2	<3	<2	<2	<2	<.1	<3
JAN													
06...	<1000	<2	<1	<2	<2	<1	<2	<3	<2	<2	<2	<.1	<3
FEB													
11...	<1000	<2	<1	<2	<2	<1	<2	<3	<2	<2	<2	<.1	<3
MAR													
12...	<1000	<2	<1	<2	<2	<1	E1	<3	<2	<2	<2	<.1	<3

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA—continued.

Date													
APR 10...	<1000	<2	<1	<2	<2	<1	<2	<3	<2	<2	<2	<.1	<3
MAY 15...	<1000	<2	<1	<2	<2	<1	<2	<3	<2	<2	M	<.1	<3
JUN 11...	--	--	--	--	--	--	--	--	--	--	--	<.1	--
JUL 14...	<1000mc	<2	Mt	Mt	Mt	Mt	<2	<3	<2	<2	<2	<.1	Mt
AUG 19...	<1000mc	<2	<1	<2	<2	<1	<2	<3	<2	<2	E3	<.1	<3
SEP 08...	<1000mc	<2	<1	<2	<2	<1	<2	<3	<2	<2	<2	--	<3

Date	Di-benzo-[a,h]-anthra-cene, wat unf ug/L (34556)	Diel-drin, water, unfltrd ug/L (39380)	Di-ethyl phthal-ate, water, unfltrd ug/L (34336)	Di-methyl phthal-ate, water, unfltrd ug/L (34341)	Di-n-butyl phthal-ate, water, unfltrd ug/L (39110)	Di-n-octyl phthal-ate, water, unfltrd ug/L (34596)	Endrin, water, unfltrd ug/L (39390)	Fluor-anthene water unfltrd ug/L (34376)	Hepta-chlor epoxide water unfltrd ug/L (39420)	Hepta-chlor, water, unfltrd ug/L (39410)	Hexa-chloro-benzene water unfltrd ug/L (39700)	Hexa-chloro-cyclo-penta-diene, wat unf ug/L (34386)	Indeno-[1,2,-3-cd]-pyrene, water, unfltrd ug/L (34403)
NOV 20...	<1	<.002	<2	<1	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3
DEC 10...	<1	<.002	<2	<1	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3
JAN 06...	<1	<.002	<2	<1	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3
FEB 11...	<1	<.002	<2	M	<2	<2	<.002	M	<.003	<.002	<2	<1	<3
MAR 12...	<1	<.002	<2	<1	<2	<2	<.002	M	<.003	<.002	<2	<1	<3
APR 10...	<1	<.002	<2	<1	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3
MAY 15...	<1	<.002	<2	<1	<2	<2	<.002	<2	<.003	<.002	<2	<1	<3
JUN 11...	--	<.002	--	--	--	--	<.002	--	<.003	<.002	--	--	--
JUL 14...	<1	<.002	<2	<1	<2	<2	<.002	Mt	<.003	<.002	<2	<1mc	Mt
AUG 19...	<1	<.002	<2	<1	<2	<2	<.002	<2	<.003	<.002	<2	<1mc	<3
SEP 08...	<1	--	<2	<1	<2	<2	--	<2	--	--	<2	<1mc	<3

Date	Isodrin surrog, Sch1398 wat unf percent recovry (90571)	Iso-phorone water unfltrd ug/L (34408)	Lindane water, unfltrd ug/L (39340)	Mirex, water, unfltrd ug/L (39755)	Nitro-benzene water unfltrd ug/L (34447)	N-NItroso-di-methyl-amine, wat unf ug/L (34438)	N-NItroso-di-n-propyl-amine, wat unf ug/L (34428)	N-NItroso-di-phenyl-amine, wat unf ug/L (34433)	p,p'-DDD, water, unfltrd ug/L (39360)	p,p'-DDE, water, unfltrd ug/L (39365)	p,p'-DDT, water, unfltrd ug/L (39370)	p,p'-Meth-oxy-chlor, water, unfltrd ug/L (39480)	PCB 207, surrog, Sch1398 water, unfltrd pct rcv (99780)
NOV 20...	83.1	<2	<.0020	<.002	<1	<3	<2	<2	<.002	<.002	<.002	<.003	116
DEC 10...	77.7	<2	<.0020	<.002	<1	<3	<2	<2	<.002	<.002	<.002	<.003	74.6
JAN 06...	72.6	<2	<.0020	<.002	<1	<3	<2	<2	<.002	<.002	<.002	<.003	79.4
FEB 11...	68.7	M	<.0020	<.002	<1	<3	<2	<2	<.002	<.002	<.002	<.003	68.6
MAR 12...	61.6	M	<.0020	<.002	<1	<3	<2	<2	<.002	<.002	<.002	<.003	69.0
APR 10...	42.6	<2	<.0020	<.002	<1	<3	<2	<2	<.002	<.002	<.002	<.003	68.5
MAY 15...	75.9	<2	<.0020	<.002	<1	<3	<2	<2	<.002	<.002	<.002	<.003	70.8
JUN 11...	87.5	--	<.0020	<.002	--	--	--	--	<.002	<.002	<.002	<.003	84.3
JUL 14...	91.9	<2	<.0020	<.002	<1	<3	<2	<2mc	<.002	<.002	<.002	<.003	88.8
AUG 19...	77.5	<2	<.0020	<.002	<1	<3	<2	<2mc	<.002	<.002	<.002	<.003	79.0
SEP 08...	--	<2	--	--	<1	<3	<2	<2mc	--	--	--	--	--

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA—continued.

Date	PCBs, water, unfltrd ug/L (39516)	Penta-chloro-phenol, water, unfltrd ug/L (39032)	Phenan-threne, water, unfltrd ug/L (34461)	Phenol, water, unfltrd ug/L (34694)	Phenol-d5, surrog, Sched. 1383/85 wat unf pct rcv (90630)	Pyrene, water, unfltrd ug/L (34469)	Toxa-phene, water, unfltrd ug/L (39400)	Xylenes water unfltrd ug/L (81551)	1,1,1,2-Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)
NOV													
20...	<.1	<2	<2	<3.0	29.5	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2
DEC													
10...	<.1	<2	<2	<3.0	50.8	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2
JAN													
06...	<.1	<2	<2	<3.0	47.3	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2
FEB													
11...	<.1	<2	<2	E.4	60.1	M	<1	<.2	<.2	<.2	<.2	<.2	<.2
MAR													
12...	<.1	<2	<2	E.2	45.9	M	<1	--	--	--	--	--	--
APR													
10...	<.1	<2	<2	E.5	49.6	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2
MAY													
15...	<.1	<2	<2	E1.7	72.2	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2
JUN													
11...	<.1	--	--	--	--	--	<1	--	--	--	--	--	--
JUL													
14...	<.1	<2mc	Mt	<3.4	45.8	Mt	<1	<.2	<.2	<.2	<.2	<.2	<.2
AUG													
19...	<.1	<2mc	<2	E.6t	63.8	<2	<1	<.2	<.2	<.2	<.2	<.2	<.2
SEP													
08...	--	<2mc	<2	<3.4	48.6	<2	--	<.2	<.2	<.2	<.2	<.2	<.2

Date	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)	1,2,3-Tri-chloro-propane water unfltrd ug/L (77443)	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)	1,2,4-Tri-methyl-benzene water unfltrd ug/L (77222)	Dibromo chloro-propane water unfltrd ug/L (82625)	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-ethane-d4, sur Sch2090 wat unf pct rcv (99832)	1,2-Di-chloro-propane water unfltrd ug/L (34541)
NOV													
20...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<1	<.2	<.2	<.2	118	<.2
DEC													
10...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<1	<.2	<.2	<.2	118	<.2
JAN													
06...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<1	<.2	<.2	<.2	117	<.2
FEB													
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<1	<.2	<.2	<.2	101	<.2
APR													
10...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<1	<.2	<.2	<.2	110	<.2
MAY													
15...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<1	<.2	<.2	<.2	103	<.2
JUL													
14...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<1	<.2	<.2	<.2	113	<.2
AUG													
19...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<1	<.2	<.2	<.2	116	<.2
SEP													
08...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<1	<.2	<.2	<.2	101	<.2

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA—continued.

Date	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,3-Di-chloro-propane water unfltrd ug/L (77173)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	14Bromo fluoro-benzene surrog. VOC Sch wat unf pct rcv (99834)	2,2-Di-chloro-propane water unfltrd ug/L (77170)	2-Chloro-toluene water unfltrd ug/L (77275)	4-Chloro-toluene water unfltrd ug/L (77277)	4-Iso-propyl-toluene water unfltrd ug/L (77356)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)
NOV													
20...	<.2	<.2	<.2	<.2	90.3	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2
DEC													
10...	<.2	<.2	<.2	<.2	89.1	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2
JAN													
06...	<.2	<.2	<.2	<.2	98.2	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2
FEB													
11...	<.2	<.2	<.2	<.2	84.9	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2
APR													
10...	<.2	<.2	<.2	<.2	69.8	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2
MAY													
15...	<.2	<.2	<.2	<.2	86.5	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2
JUL													
14...	<.2	<.2	<.2	<.2	75.2	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2
AUG													
19...	<.2	<.2	<.2	<.2	83.3	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2
SEP													
08...	<.2	<.2	<.2	<.2	80.5	<.2	<.2	<.2	<.2	<2.5	<.2	<.2	<.2

Date	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-methane water unfltrd ug/L (34413)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)
NOV													
20...	.1	<.3	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
DEC													
10...	<.2	<.3	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
JAN													
06...	<.2	<.3	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FEB													
11...	<.2	<.3	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
APR													
10...	<.2	<.3	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
MAY													
15...	<.2	<.3	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
JUL													
14...	<.2	<.3	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
AUG													
19...	<.2	<.3	<.2	<.2	<.2mc	<.2	<.2	<.2	<.2	<.2mc	<.2	<.2	<.2
SEP													
08...	<.2	<.3	<.2	<.2	<.2mc	<.2	<.2	<.2	<.2	<.2mc	<.2	<.2	<.2

Date	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iso-propyl-benzene water unfltrd ug/L (77223)	Naphth-alene, water, unfltrd ug/L (34696)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Toluene water unfltrd ug/L (34010)	-d8, surrog, Sch2090 wat unf percent recovry (99833)
NOV													
20...	<2	<.2	<.5	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	81.4
DEC													
10...	<2	<.2	<.5	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	87.1
JAN													
06...	<2	<.2	<.5	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	88.7
FEB													
11...	<2	<.2	<.5	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	99.6

02207335 YELLOW RIVER AT GEES MILL ROAD, NEAR MILSTEAD, GA—continued.

Date	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	2Fluoro-bi-phenyl, surrog, bed sed <2 mm, pct rcv (49279)	Nitro-benzene-d5, surrog, bed sed <2 mm, pct rcv (49280)	Ter-phenyl-d14, surrog, bed sed <2 mm, pct rcv (49278)	Sampler type, code (84164)	Sam-pling method, code (82398)
MAR												
12...	<2	--	--	--	--	--	--	--	--	--	--	--
APR												
10...	<2	<.2	<.5	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	99.3
MAY												
15...	<2	<.2	<.5	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	97.0
JUL												
14...	<2mc	<.2	<.5	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	96.1
AUG												
19...	<2mc	<.2	<.5	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	97.0
SEP												
08...	<2mc	<.2	<.5	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	98.2
NOV												
20...	<.2	<.2	<.2	<.2	<.2	.3	<.2	59	64	19	8010	10
DEC												
02...	--	--	--	--	--	--	--	--	--	--	3044	10
10...	<.2	<.2	<.2	<.2	<.2	.2	<.2	79	85	28	3060	30
DEC												
20-21	--	--	--	--	--	--	--	--	--	--	8010	50
JAN												
06...	<.2	<.2	<.2	<.2	<.2	.2	<.2	65	72	23	3060	30
14...	--	--	--	--	--	--	--	--	--	--	3044	10
FEB												
07...	--	--	--	--	--	--	--	--	--	--	8010	10
11...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	77	80	25	8010	30
FEB												
16-17	--	--	--	--	--	--	--	--	--	--	4115	50
18...	--	--	--	--	--	--	--	--	--	--	3052	10
22...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
22-23	--	--	--	--	--	--	--	--	--	--	4115	50
22...	--	--	--	--	--	--	--	--	--	--	3052	10
MAR												
12...	--	--	--	--	--	--	--	82	86	27	8010	50
APR												
03...	--	--	--	--	--	--	--	--	--	--	3044	10
09...	--	--	--	--	--	--	--	--	--	--	8010	10
10...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	77	81	44	8010	30
MAY												
15...	<.2	<.2	<.2	<.2	<.2	.2	<.2	79	85	23	8010	30
19...	--	--	--	--	--	--	--	--	--	--	3044	10
MAY												
22-23	--	--	--	--	--	--	--	--	--	--	8010	50
JUN												
06-08	--	--	--	--	--	--	--	--	--	--	4115	50
11...	--	--	--	--	--	--	--	--	--	--	8010	30
24...	--	--	--	--	--	--	--	--	--	--	3052	10
JUL												
14...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	91	95	48	3052	10
16...	--	--	--	--	--	--	--	--	--	--	3052	10
JUL 31-AUG 01	--	--	--	--	--	--	--	--	--	--	4115	50
04...	--	--	--	--	--	--	--	--	--	--	3052	10
19...	<.2	<.2	<.2	<.2	<.2	<.2	<.2	90	94	53	8010	30
AUG												
26-26	--	--	--	--	--	--	--	--	--	--	3052	10
SEP												
08...	<.2	<.2	<.2	<.2	<.2	.4	<.2	87	91	55	8010	30

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this report:
   c -- See laboratory comment
   d -- Diluted sample: method hi range exceeded
   k -- Counts outside acceptable range
   m -- Highly var comp using method, ? prec
   n -- Below the NDV
   o -- Result determined by alternate method
   t -- Below the long-term MDL

Null value qualifier codes used in this report:
   l -- Analysis discarded: lab QC failure
   x -- Result failed quality assurance review

ALTAMAHA RIVER BASIN
2003 Water Year

02207337 TRIBUTARY TO YELLOW RIVER AT CR 411, NEAR CONYERS, GA

LOCATION.—Lat 33°38'49", long 83°57'19" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103,

DRAINAGE AREA.—1.71 square miles, approximately.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.—June 6, 2003 (invertebrates) and June 12, 2003 (fishes).

REMARKS.—Data collection protocols used are from draft versions of the Standard Operating Procedures: Freshwater Macroinvertebrate Biological Assessment (Georgia Environmental Protection Division, 2002) and Standard Operating Procedures for Conducting Biomonitoring on Fish Communities in the Piedmont Ecoregion of Georgia (Georgia Department of Natural Resources, 2000). William Pennington and Associates of Cookeville, Tennessee identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 121 meters. Fish abbreviations: TL-total length in millimeters, SL-standard length in millimeters. Weight is measured in grams.

Invertebrates

Taxa	Abundance	
	Multi-habitat	Visual
ANNELIDA		
Oligochaeta		
Haplotaxida		
Lumbricidae	1	0
INSECTA		
Collembola		
Isotomidae	3	0
Ephemeroptera		
Baetidae		
Baetis c.f. flavistriga	0	1
Ephemerellidae		
Serratella sp.	3	0
Heptageniidae		
Stenonema sp.	2	1
Odonata		
Gomphidae		
Lanthus sp.	1	0
Progomphus obscurus	0	1
Plecoptera		
Nemouridae		
Amphinemura sp.	1	0
Perlidae	5	0
Acroneuria abnormis	0	3

02207337 TRIBUTARY TO YELLOW RIVER AT CR 411, NEAR CONYERS, GA —continued.

Taxa	Abundance Multi-habitat	Visual
Perlodidae		
Isoperla sp.	1	0
Hemiptera		
Gerridae		
Aquarius sp.	0	1
Veliidae		
Rhagovelia obesa	1	5
Megaloptera		
Corydalidae		
Corydalus cornutus	2	0
Nigronia serricornis	5	0
Trichoptera		
Hydropsychidae		
Cheumatopsyche sp.	56	2
Diplectrona modesta	4	0
Hydropsyche betteni gp.	0	3
Psychomyiidae		
Lype diversa	1	0
Rhyacophilidae		
Rhyacophila fuscula	2	1
Coleoptera		
Dryopidae		
Helichus basalis	1	0
Elmidae		
Ancyronyx variegata	1	0
Macronychus glabratus	13	0
Microcylloepus pusillus	1	0
Oulimnius latiusculus	3	0
Stenelmis sp.	1	0
Diptera		
Chironomidae	4	0
Brillia flavifrons	14	0
Conchapelopia sp.	5	0
Parametriocnemus sp.	10	0
Polypedilum flavum	261	1
Polypedilum illinoense	22	0
Rheotanytarsus sp.	14	0
Robackia demeijerei	2	0
Tvetenia bavarica gp.	2	0
Dixidae		
Dixa sp.	8	0
Simuliidae		
Simulium sp.	16	0
Tabanidae		
Chrysops sp.	0	1
Tipulidae		
Hexatoma sp.	1	0

02207337 TRIBUTARY TO YELLOW RIVER AT CR 411, NEAR CONYERS, GA —continued.

Fishes

Species	Common name	Count	TL	SL	Weight
Ameiurus brunneus	snail bullhead	1	162	135	61.7
Lepomis macrochirus	bluegill sunfish	1	37	30	0.6
Lepomis macrochirus	bluegill sunfish	1	38	31	0.8
Lepomis macrochirus	bluegill sunfish	1	40	32	0.8
Lepomis macrochirus	bluegill sunfish	1	42	35	1.0
Lepomis macrochirus	bluegill sunfish	1	43	34	0.9
Lepomis macrochirus	bluegill sunfish	1	43	32	1.0
Lepomis macrochirus	bluegill sunfish	1	44	35	1.3
Lepomis macrochirus	bluegill sunfish	1	45	36	1.4
Lepomis macrochirus	bluegill sunfish	1	45	35	1.1
Lepomis macrochirus	bluegill sunfish	1	48	37	1.6
Lepomis macrochirus	bluegill sunfish	1	48	38	1.6
Lepomis macrochirus	bluegill sunfish	1	49	38	2.6
Lepomis macrochirus	bluegill sunfish	1	49	39	1.9
Lepomis macrochirus	bluegill sunfish	1	49	39	1.5
Lepomis macrochirus	bluegill sunfish	1	50	39	1.6
Lepomis macrochirus	bluegill sunfish	1	50	39	1.4
Lepomis macrochirus	bluegill sunfish	1	55	44	2.4
Lepomis macrochirus	bluegill sunfish	1	55	42	2.0
Lepomis macrochirus	bluegill sunfish	1	56	45	2.8
Lepomis macrochirus	bluegill sunfish	1	56	44	2.8
Lepomis macrochirus	bluegill sunfish	1	58	45	2.5
Lepomis macrochirus	bluegill sunfish	1	58	44	2.6
Lepomis macrochirus	bluegill sunfish	1	58	45	2.5
Lepomis macrochirus	bluegill sunfish	1	59	46	3.2
Lepomis macrochirus	bluegill sunfish	1	59	46	2.8
Lepomis macrochirus	bluegill sunfish	1	59	45	2.8
Lepomis macrochirus	bluegill sunfish	1	59	44	3.2
Lepomis macrochirus	bluegill sunfish	1	61	45	2.7
Lepomis macrochirus	bluegill sunfish	1	63	47	3.5
Lepomis macrochirus	bluegill sunfish	1	65	51	3.4
Lepomis macrochirus	bluegill sunfish	1	69	52	1.7
Lepomis macrochirus	bluegill sunfish	1	70	55	5.1
Lepomis macrochirus	bluegill sunfish	1	73	55	5.4
Lepomis macrochirus	bluegill sunfish	1	75	59	3.8
Lepomis macrochirus	bluegill sunfish	1	75	58	6.2
Lepomis macrochirus	bluegill sunfish	1	78	60	6.9
Lepomis macrochirus	bluegill sunfish	1	88	69	8.9
Lepomis macrochirus	bluegill sunfish	1	95	73	12.9
Micropterus salmoides	largemouth bass	1	32	27	0.5
Micropterus salmoides	largemouth bass	1	110	90	16.1
Nocomis leptocephalus	bluehead chub	1	85	71	7.7
Nocomis leptocephalus	bluehead chub	1	87	74	8.1
Nocomis leptocephalus	bluehead chub	1	90	75	8.9
Nocomis leptocephalus	bluehead chub	1	90	77	8.6
Nocomis leptocephalus	bluehead chub	1	90	74	6.2
Nocomis leptocephalus	bluehead chub	1	95	80	9.3
Nocomis leptocephalus	bluehead chub	1	98	82	12.3
Nocomis leptocephalus	bluehead chub	1	101	88	14.8

02207337 TRIBUTARY TO YELLOW RIVER AT CR 411, NEAR CONYERS, GA —continued.

Species	Common name	Count	TL	SL	Weight
Nocomis leptocephalus	bluehead chub	1	115	98	17.3
Nocomis leptocephalus	bluehead chub	1	116	98	22.8
Nocomis leptocephalus	bluehead chub	1	118	100	16.8
Nocomis leptocephalus	bluehead chub	1	123	105	21.0
Nocomis leptocephalus	bluehead chub	1	125	105	18.4
Nocomis leptocephalus	bluehead chub	1	130	110	25.0
Nocomis leptocephalus	bluehead chub	1	136	116	37.5
Nocomis leptocephalus	bluehead chub	1	147	126	36.9
Notemigonus crysoleucas	golden shiner	1	77	61	4.6
Notemigonus crysoleucas	golden shiner	1	78	59	4.0
Notropis lutipinnis	yellowfin shiner	1	40	32	0.7
Notropis lutipinnis	yellowfin shiner	1	63	51	2.6
Notropis lutipinnis	yellowfin shiner	1	65	54	3.2
Notropis lutipinnis	yellowfin shiner	1	65	54	3.1
Notropis lutipinnis	yellowfin shiner	1	66	55	3.1
Notropis lutipinnis	yellowfin shiner	1	72	54	4.8
Notropis lutipinnis	yellowfin shiner	1	73	61	5.2
Notropis lutipinnis	yellowfin shiner	1	73	59	4.5
Notropis lutipinnis	yellowfin shiner	1	75	62	6.1
Notropis lutipinnis	yellowfin shiner	1	75	63	4.5
Notropis lutipinnis	yellowfin shiner	1	75	62	4.3
Percina nigrofasciata	blackbanded darter	1	75	65	4.4
Scartomyzon rupiscartes	striped jumprock	1	85	73	7.8
Scartomyzon rupiscartes	striped jumprock	1	148	122	34.6
Scartomyzon rupiscartes	striped jumprock	1	152	122	40.3

ALTAMAHA RIVER BASIN
2003 Water Year

02207382 BIG HAYNES CREEK AT PATE ROAD, NEAR SNELLVILLE, GA

LOCATION.—Lat 33°49'38", long 83°59'04" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Pate Road, 2.9 miles southeast of Snellville.

DRAINAGE AREA.—14.9 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1994 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 863.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 9.00 feet, July 1, 2003
DISCHARGE: 2,520 cfs, January 27, 1996

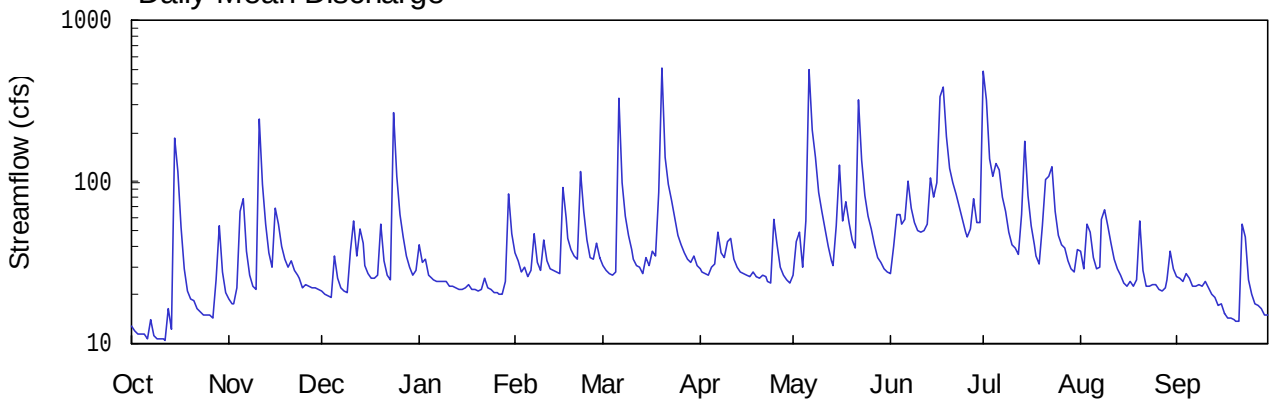
MAXIMUM FOR CURRENT YEAR.—
STAGE: 9.00 feet, July 1
DISCHARGE: Not determined

2003 Water Year

02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA

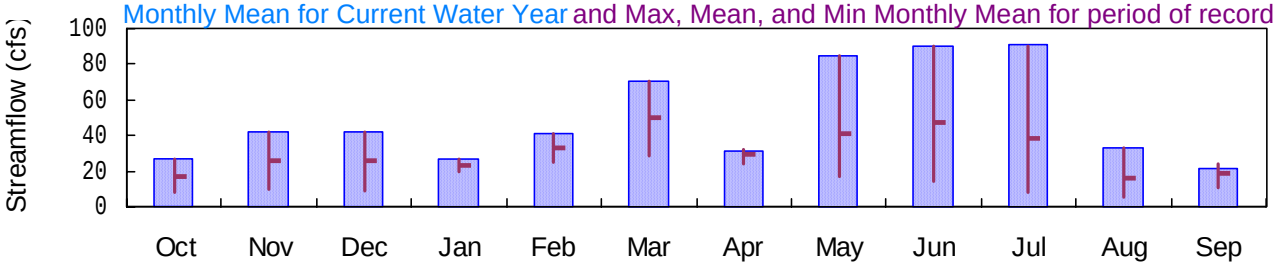
Latitude: 33°48'54" Longitude: 083°59'25" Hydrologic Unit Code: 03070103 Gwinnett County
Drainage Area: 17.3 mi^2 Datum: 860.0 feet

Daily Mean Discharge



Monthly Statistics

Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



ALTAMAHA RIVER BASIN
2003 Water Year

02207385 BIG HAYNES CREEK AT LENORA ROAD, NEAR SNELLVILLE, GA

LOCATION.—Lat 33º48'54", long 83º59'25" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, 30.0 feet upstream of bridge on County Road 368, and 5.5 miles southeast of Snellville.

DRAINAGE AREA.—17.3 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—February 7, 2001 to current year.

GAGE.—Satellite telemetry with a water stage recorder and a continuous water-quality monitor. Datum of gage is 860 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for periods of estimated discharge, which are fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—February 7, 2001 to current year.

GAGE.—Satellite telemetry with a water stage recorder and a continuous water-quality monitor. Datum of gage is 860 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.65 feet, March 20; minimum gage-height recorded, 2.79 feet, October 6, 7, 10, 12, 13.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 7, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3* DATUM 860.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	19	21	41	36	31	29	26	27	486	37	26
2	12	18	20	32	32	29	28	43	40	325	29	26
3	11	18	20	34	28	27	27	49	62	138	55	24
4	11	22	19	27	30	26	27	30	63	107	49	27
5	11	66	35	25	26	28	30	57	55	129	34	25
6	11	78	25	25	28	330	31	496	58	119	29	23
7	14	37	22	24	47	99	49	210	102	81	30	23
8	11	26	21	24	32	62	37	144	69	66	58	23
9	11	23	20	24	28	47	34	87	56	49	67	23
10	11	21	37	24	43	38	43	66	50	41	54	24
11	11	243	58	22	33	34	45	51	49	39	41	22
12	11	97	35	23	29	31	33	40	50	35	33	20
13	16	55	52	22	28	30	30	33	54	63	29	19
14	12	37	41	22	28	e27	28	30	106	180	26	17
15	185	30	30	22	27	34	27	53	81	82	24	18
16	117	69	27	22	92	31	26	126	99	54	23	15
17	52	54	25	23	60	37	26	57	337	41	24	14
18	29	40	25	22	44	35	28	75	387	35	23	14
19	21	33	27	21	38	86	26	55	189	31	25	14
20	19	30	55	21	35	503	25	44	122	53	57	14
21	18	33	33	21	33	142	26	39	99	103	29	14
22	17	29	26	25	116	96	26	322	84	108	23	54
23	16	26	25	22	65	76	24	136	70	124	23	46
24	15	25	269	22	43	60	24	82	58	65	23	25
25	15	e22	109	21	34	47	59	61	49	47	23	20
26	15	23	63	20	33	41	41	51	45	41	22	18
27	14	23	45	20	42	36	30	40	51	39	21	17
28	25	22	34	20	34	33	26	34	78	33	22	17
29	54	22	29	24	---	32	25	32	57	29	25	15
30	28	21	27	84	---	35	23	29	56	28	37	15
31	21	---	28	48	---	30	---	28	---	38	29	---
TOTAL	827	1262	1303	827	1144	2193	933	2626	2703	2809	1024	652
MEAN	26.7	42.1	42.0	26.7	40.9	70.7	31.1	84.7	90.1	90.6	33.0	21.7
MAX	185	243	269	84	116	503	59	496	387	486	67	54
MIN	11	18	19	20	26	26	23	26	27	28	21	14
CFSM	1.54	2.43	2.43	1.54	2.36	4.09	1.80	4.90	5.21	5.24	1.91	1.26
IN.	1.78	2.71	2.80	1.78	2.46	4.72	2.01	5.65	5.81	6.04	2.20	1.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	17.3	25.8	25.5	22.9	33.1	50.4	29.1	41.5	47.3	38.5	16.4	18.7
MAX	26.7	42.1	42.0	26.7	40.9	70.7	32.4	84.7	90.1	90.6	33.0	23.9
(WY)	2003	2003	2003	2003	2003	2003	2002	2003	2003	2003	2003	2002
MIN	7.86	9.59	8.98	19.2	25.4	28.3	24.0	16.9	14.0	7.74	5.57	10.3
(WY)	2002	2002	2002	2002	2002	2002	2001	2001	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	8808.6		18303			
ANNUAL MEAN	24.1		50.1		33.6	
HIGHEST ANNUAL MEAN					50.1	2003
LOWEST ANNUAL MEAN					17.1	2002
HIGHEST DAILY MEAN	269	Dec 24	503	Mar 20	503	Mar 20 2003
LOWEST DAILY MEAN	3.0	Aug 8	11	Oct 3	3.0	Aug 8 2002
ANNUAL SEVEN-DAY MINIMUM	3.1	Aug 7	11	Oct 3	3.1	Aug 7 2002
MAXIMUM PEAK FLOW			811	Mar 20	1990	Mar 15 2001
MAXIMUM PEAK STAGE			11.65	Mar 20	11.65	Mar 20 2003
ANNUAL RUNOFF (CFSM)	1.39		2.90		1.94	
ANNUAL RUNOFF (INCHES)	18.94		39.36		26.39	
10 PERCENT EXCEEDS	46		94		61	
50 PERCENT EXCEEDS	17		31		23	
90 PERCENT EXCEEDS	5.1		19		7.3	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3* DATUM 860.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.87	3.02	3.02	3.34	3.27	3.19	3.12	3.07	3.09	7.19	3.38	3.26
2	2.85	2.99	3.00	3.21	3.21	3.16	3.11	3.25	3.28	5.29	3.29	3.25
3	2.83	3.00	2.99	3.23	3.15	3.13	3.10	3.39	3.54	4.15	3.51	3.23
4	2.83	3.09	2.98	3.13	3.17	3.12	3.09	3.13	3.56	3.97	3.49	3.27
5	2.83	3.50	3.25	3.10	3.11	3.14	3.13	3.36	3.46	4.07	3.35	3.25
6	2.80	3.74	3.10	3.08	3.14	5.21	3.15	6.88	3.50	4.04	3.29	3.21
7	2.90	3.32	3.03	3.08	3.42	3.91	3.39	4.48	3.88	3.78	3.30	3.21
8	2.82	3.16	3.02	3.08	3.21	3.59	3.24	4.15	3.61	3.64	3.49	3.22
9	2.80	3.10	3.00	3.07	3.15	3.42	3.20	3.78	3.48	3.49	3.64	3.21
10	2.80	3.07	3.20	3.08	3.37	3.30	3.31	3.58	3.40	3.42	3.53	3.23
11	2.81	4.61	3.53	3.04	3.22	3.23	3.34	3.41	3.39	3.40	3.42	3.20
12	2.80	3.89	3.25	3.05	3.16	3.19	3.19	3.28	3.41	3.36	3.34	3.18
13	2.95	3.51	3.46	3.04	3.15	3.18	3.14	3.18	3.45	3.50	3.29	3.16
14	2.85	3.28	3.35	3.03	3.14	---	3.10	3.15	3.87	4.33	3.26	3.12
15	4.09	3.18	3.18	3.03	3.13	3.24	3.10	3.43	3.73	3.78	3.23	3.13
16	4.02	3.64	3.13	3.04	3.77	3.19	3.08	3.98	3.83	3.53	3.21	3.08
17	3.50	3.50	3.10	3.06	3.57	3.28	3.07	3.48	5.27	3.41	3.23	3.06
18	3.21	3.32	3.10	3.03	3.38	3.26	3.11	3.66	5.72	3.35	3.21	3.06
19	3.07	3.23	3.13	3.02	3.30	3.65	3.08	3.47	4.39	3.31	3.24	3.05
20	3.02	3.18	3.50	3.02	3.25	7.32	3.07	3.33	4.05	3.43	3.53	3.05
21	3.01	3.22	3.22	3.02	3.23	4.16	3.08	3.27	3.88	3.88	3.29	3.04
22	2.97	3.16	3.12	3.10	3.89	3.86	3.07	5.25	3.76	3.86	3.21	3.43
23	2.94	3.12	3.09	3.04	3.62	3.69	3.05	4.12	3.63	4.05	3.21	3.46
24	2.93	3.11	4.80	3.03	3.37	3.52	3.04	3.74	3.50	3.63	3.22	3.24
25	2.92	---	3.98	3.01	3.24	3.37	3.48	3.53	3.40	3.47	3.22	3.17
26	2.92	3.05	3.60	3.00	3.23	3.29	3.29	3.42	3.35	3.42	3.20	3.13
27	2.91	3.04	3.40	3.00	3.35	3.23	3.14	3.29	3.40	3.39	3.19	3.12
28	3.08	3.04	3.25	3.00	3.24	3.18	3.08	3.20	3.69	3.33	3.21	3.11
29	3.51	3.04	3.17	3.07	---	3.17	3.06	3.17	3.48	3.29	3.24	3.08
30	3.19	3.02	3.13	3.78	---	3.21	3.03	3.13	3.47	3.27	3.37	3.08
31	3.06	---	3.15	3.43	---	3.15	---	3.11	---	3.38	3.30	---
MEAN	3.04	---	3.27	3.10	3.30	---	3.15	3.63	3.72	3.79	3.32	3.18
MAX	4.09	---	4.80	3.78	3.89	---	3.48	6.88	5.72	7.19	3.64	3.46
MIN	2.80	---	2.98	3.00	3.11	---	3.03	3.07	3.09	3.27	3.19	3.04

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3* DATUM 860.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.20	0.00	0.02	0.00	0.58	0.00	4.15	0.00	0.00
2	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.52	0.00	0.02	0.00	0.09
3	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.16	0.51	0.00	0.64	0.00
4	0.26	0.14	0.04	0.00	0.25	0.03	0.01	0.00	0.21	0.00	0.00	0.01
5	0.01	1.52	0.53	0.00	0.00	1.14	0.29	2.95	0.00	0.66	0.00	0.00
6	0.00	0.00	0.00	0.00	0.70	1.82	0.76	2.10	0.65	0.00	0.03	0.00
7	0.51	0.00	0.00	0.00	0.06	0.01	0.56	0.60	0.81	0.00	0.01	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.05	0.00
9	0.01	0.01	0.00	0.06	0.10	0.00	0.05	0.00	0.00	0.00	0.00	0.00
10	0.00	0.01	1.19	0.02	0.45	0.00	0.49	0.00	0.00	0.22	0.00	0.00
11	0.01	2.43	0.01	0.00	0.00	0.00	0.01	0.15	0.08	0.01	0.95	0.00
12	0.01	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.01	0.00
13	0.79	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.14	1.07	0.00	0.00
14	0.02	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.63	0.18	0.00	0.06
15	3.51	0.16	0.00	0.00	0.00	0.41	0.00	0.71	0.00	0.00	0.00	0.01
16	0.03	0.81	0.00	0.15	1.32	0.00	0.00	0.48	0.99	0.00	0.02	0.00
17	0.00	0.00	0.00	0.00	0.00	0.50	0.15	0.10	2.31	0.38	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.53	1.70	0.00	0.00	0.00
19	0.00	0.03	0.81	0.00	0.00	2.55	0.00	0.02	0.02	0.00	0.00	0.00
20	0.33	0.04	0.06	0.00	0.00	1.65	0.00	0.03	0.00	0.14	0.46	0.00
21	0.00	0.15	0.00	0.20	0.09	0.01	0.08	0.25	0.00	0.05	0.00	0.14
22	0.00	0.00	0.02	0.27	1.13	0.00	0.00	2.15	0.00	0.54	0.00	1.74
23	0.01	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.00	0.01
24	0.00	0.00	2.26	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00
25	0.05	0.00	0.03	0.00	0.00	0.00	1.22	0.11	0.00	0.00	0.00	0.00
26	0.01	0.00	0.00	0.00	0.37	0.18	0.01	0.06	0.00	0.01	0.00	0.00
27	0.00	0.00	0.00	0.00	0.23	0.01	0.00	0.00	0.12	0.00	0.00	0.26
28	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.07	0.00
29	0.25	0.00	0.00	0.77	---	0.03	0.00	0.00	0.00	0.00	0.03	0.00
30	0.01	0.00	0.00	0.82	---	0.22	0.00	0.00	0.23	0.36	0.00	0.00
31	0.00	---	0.41	0.00	---	0.00	---	0.00	---	0.75	0.00	---
TOTAL	6.87	5.89	6.09	2.64	4.73	8.63	3.83	11.50	9.06	9.24	2.27	2.32

ALTAMAHA RIVER BASIN
2003 Water Year

02207385 BIG HAYNES CREEK AT LENORA ROAD, NEAR SNELLVILLE, GA

LOCATION.—Lat 33º48'54", long 83º59'25" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, 30.0 feet upstream of bridge on County Road 368, and 5.5 miles southeast of Snellville.

DRAINAGE AREA.—17.3 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIOD OF RECORD.—February 7, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: February 7, 2001 to current year.
WATER TEMPERATURE: February 7, 2001 to current year.
TURBIDITY: February 7, 2001 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records fair, except turbidity, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 132 microsiemens, August 27, 2002; minimum, 15 microsiemens, April 24, 2002, March 6, 2003.
WATER TEMPERATURE: Maximum recorded, 26.4°C, August 24, 2002; minimum recorded, 2.1°C, January 5, 2002.
TURBIDITY: Maximum recorded, >2,200 NTU, January 19, May 4, June 4, 5, 14, 2002; minimum recorded, <2.0 NTU, October 9, 10, 2001.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum, 93 microsiemens, October 9; minimum, 15 microsiemens, March 6.
WATER TEMPERATURE: Maximum, 25.6°C, July 21; minimum, 2.2°C, January 24.
TURBIDITY: Maximum, >1,200 NTU, on many days; minimum, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	72	66	68	68	64	67	76	57	68	---	---	---
2	76	66	72	67	55	63	69	55	64	---	---	---
3	80	69	75	64	50	59	66	46	57	63	57	61
4	83	75	80	65	55	60	70	51	59	64	61	63
5	83	73	80	61	39	50	71	43	53	65	62	63
6	87	76	81	56	43	51	66	53	59	70	60	66
7	83	70	74	62	54	58	73	53	67	74	61	70
8	90	75	84	64	59	62	75	65	71	72	63	69
9	93	80	87	65	58	62	73	63	68	70	60	67
10	92	77	86	67	60	65	72	42	64	68	60	65
11	88	80	85	---	---	---	61	43	55	69	62	67
12	87	77	---	---	---	---	64	60	61	68	62	66
13	---	---	---	58	53	56	64	49	57	73	61	66
14	---	---	---	59	53	56	64	59	61	72	61	68
15	---	---	---	59	55	58	66	61	64	73	65	67
16	---	---	---	58	41	47	68	61	66	73	64	67
17	44	35	40	57	46	53	70	66	68	70	60	67
18	62	41	51	62	57	60	70	66	68	71	65	69
19	67	58	63	67	62	65	69	57	66	70	62	68
20	67	54	63	72	67	70	59	45	54	73	62	68
21	66	59	64	72	69	70	61	58	59	73	63	69
22	70	65	67	70	66	68	63	58	60	70	57	66
23	73	66	70	69	66	68	66	59	61	74	61	69
24	74	65	71	71	69	70	64	18	43	74	62	70
25	73	61	68	72	63	70	---	---	---	70	64	69
26	74	62	71	71	60	67	---	---	---	71	64	68
27	77	63	72	70	55	66	---	---	---	75	64	70
28	74	45	66	71	52	65	---	---	---	74	65	70
29	62	41	50	74	61	68	---	---	---	72	57	67
30	67	58	64	74	54	68	---	---	---	57	32	39
31	66	63	64	---	---	---	---	---	---	46	39	43
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	50	46	49	29	24	28	54	51	53	62	52	59
2	---	---	---	28	26	28	58	54	56	61	29	54
3	---	---	---	29	26	28	58	57	58	---	---	---
4	67	54	61	28	26	27	59	58	58	---	---	---
5	67	59	64	28	18	27	60	55	58	---	---	---
6	66	55	63	45	15	30	61	48	57	---	---	---
7	60	47	56	51	43	47	57	50	54	---	---	---
8	63	59	61	53	48	51	61	56	58	48	41	45
9	67	61	65	57	50	54	62	59	60	50	40	47
10	62	49	56	59	53	56	63	55	61	51	34	47
11	63	59	62	59	54	57	63	54	59	52	43	48
12	66	57	63	61	53	58	63	58	61	60	35	47
13	68	57	62	60	53	58	62	54	58	61	36	46
14	71	58	64	---	---	---	61	56	58	63	44	56
15	66	59	63	60	52	55	61	56	59	57	33	45
16	66	36	50	57	55	57	63	57	60	49	25	38
17	59	54	57	57	50	54	65	59	61	52	42	48
18	61	57	59	56	52	55	69	57	63	51	37	45
19	62	57	61	56	24	51	68	63	66	52	21	40
20	64	59	61	---	---	---	70	62	65	56	31	47
21	64	59	62	43	42	43	69	44	59	56	51	54
22	64	25	42	45	43	44	62	38	55	55	21	38
23	32	25	27	47	---	---	59	32	47	45	21	40
24	30	27	28	---	---	---	63	38	51	46	24	32
25	31	27	29	---	---	---	---	---	---	48	23	34
26	30	26	28	52	48	50	---	---	---	33	23	28
27	27	24	26	55	51	53	---	---	---	32	30	31
28	29	25	27	56	53	55	---	---	---	35	31	33
29	---	---	---	57	54	55	---	---	---	38	34	35
30	---	---	---	56	53	55	62	57	59	39	37	39
31	---	---	---	53	51	52	---	---	---	41	39	41
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	44	41	42	47	21	32	58	44	54	60	59	60
2	53	44	51	40	28	37	---	---	---	61	57	59
3	54	39	49	41	39	40	---	---	---	61	59	60
4	49	36	45	42	41	41	---	---	---	63	58	61
5	51	30	46	44	33	42	---	---	---	62	59	61
6	52	33	42	46	34	42	---	---	---	62	57	61
7	---	---	---	47	45	46	---	---	---	63	56	61
8	---	---	---	49	41	48	---	---	---	63	56	61
9	---	---	---	49	41	46	---	---	---	63	57	61
10	---	---	---	50	41	48	---	---	---	62	58	62
11	55	46	52	51	41	47	---	---	---	62	61	62
12	55	45	51	52	43	48	56	53	55	62	60	62
13	55	47	53	51	27	46	57	56	57	62	61	62
14	49	33	44	44	27	39	58	56	58	63	59	62
15	49	41	47	42	39	41	59	58	58	63	59	61
16	51	34	46	44	42	44	60	58	59	63	57	61
17	47	20	36	46	44	45	61	58	59	63	58	61
18	42	20	34	47	46	47	60	58	59	63	59	61
19	---	---	---	48	46	47	61	59	60	63	59	61
20	---	---	---	48	29	45	60	41	53	64	55	61
21	---	---	---	44	31	41	59	57	58	63	56	61
22	---	---	---	44	29	39	60	59	60	64	39	57
23	---	---	---	48	34	42	61	58	60	57	49	55
24	---	---	---	54	48	51	61	60	60	61	55	59
25	---	---	---	55	54	55	61	58	61	67	60	61
26	---	---	---	58	55	56	62	58	61	64	60	62
27	56	47	54	57	53	56	63	59	61	64	60	63
28	53	27	44	57	55	56	62	59	61	64	59	62
29	54	48	51	56	32	45	62	59	62	63	59	61
30	57	31	51	57	34	56	60	53	58	63	58	61
31	---	---	---	57	33	54	60	58	59	---	---	---
MONTH	---	---	---	58	21	46	---	---	---	67	39	61

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.9	20.1	21.0	15.1	13.3	14.3	10.1	7.5	8.5	---	---	---
2	22.2	20.1	21.2	14.1	12.5	13.4	9.2	6.6	8.0	---	---	---
3	22.3	20.1	21.2	14.3	13.1	13.7	10.2	7.5	9.0	11.4	8.2	9.9
4	21.9	20.4	21.2	14.6	13.9	14.2	10.2	8.0	9.2	8.7	7.1	8.0
5	23.2	21.2	22.0	14.3	13.9	14.1	8.3	6.6	7.6	9.7	7.2	8.4
6	22.6	20.4	21.5	14.4	13.5	14.1	8.6	7.2	7.9	8.9	7.5	8.2
7	22.5	21.0	21.7	13.9	12.5	13.2	8.1	5.9	7.1	8.4	6.7	7.5
8	21.2	19.0	20.3	14.0	11.7	12.9	8.6	6.1	7.4	9.4	7.1	8.2
9	19.0	18.0	18.3	15.4	12.4	13.8	9.1	7.9	8.5	11.2	8.7	10
10	18.9	18.2	18.6	17.0	15.4	16.1	8.9	7.9	8.5	11.1	8.7	10.3
11	20.4	18.9	19.5	17.6	16.7	17.0	9.0	7.9	8.5	8.7	6.9	7.6
12	21.2	18.9	20.0	16.8	15.7	16.4	9.5	8.7	9.0	7.3	5.9	6.7
13	22.5	21.1	21.8	15.7	13.8	14.7	9.3	8.7	9.0	7.7	6.3	7.0
14	21.1	18.7	19.9	14.3	12.4	13.4	9.0	7.9	8.5	8.6	6.2	7.4
15	18.7	14.5	16.3	14.4	11.8	13.1	9.0	7.0	8.0	7.7	6.0	6.8
16	17.7	16.2	17.2	14.3	13.6	14.1	10.0	7.5	8.8	7.1	5.1	6.2
17	16.8	15.6	16.3	13.6	11.1	12.4	10.3	8.5	9.4	6.9	5.0	6.1
18	16.5	14.4	15.5	12.3	10.1	11.3	10.1	9.1	9.6	5.3	3.3	4.4
19	16.5	14.4	15.6	12.5	10.9	11.7	11.5	9.5	10.2	6.2	4.1	5.0
20	17.3	15.4	16.4	12.9	11.7	12.3	11.6	9.3	10.7	8.4	4.5	6.9
21	18.0	17.2	17.5	13.8	12.7	13.1	9.8	8.0	9.0	10.9	8.4	9.9
22	17.3	16.1	16.9	12.7	10.4	11.6	11.0	8.1	9.6	10.6	9.0	10.1
23	16.3	15.9	16.1	11.0	9.2	10.2	10.5	8.2	9.6	9.0	3.7	6.3
24	17.0	15.8	16.4	11.9	9.2	10.6	10.5	8.4	9.4	4.8	2.2	3.6
25	16.6	16.1	16.2	11.8	9.4	10.7	9.3	---	---	6.3	3.7	5.0
26	17.0	16.1	16.6	12.3	9.5	11.1	---	---	---	7.6	5.5	6.3
27	17.6	16.2	17.0	12.4	9.5	11.3	---	---	---	6.6	4.6	5.6
28	18.8	17.6	18.1	9.8	8.1	8.9	---	---	---	7.7	4.0	5.8
29	18.8	17.6	18.5	9.8	7.4	8.7	---	---	---	9.1	7.6	8.4
30	18.1	16.3	17.4	11.6	9.8	10.4	---	---	---	9.2	8.5	8.9
31	16.3	14.8	15.5	---	---	---	---	---	---	9.4	8.2	8.8
MONTH	23.2	14.4	18.4	17.6	7.4	12.8	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10.0	8.3	9.1	10.7	10.1	10.4	15.3	10.1	12.8	20.4	18.3	19.3
2	10.7	7.7	9.2	12.1	10.4	11.0	16.7	12.5	14.6	20.7	18.1	19.5
3	11.5	8.4	10.1	11.3	8.6	10.1	17.4	12.9	15.3	19.4	18.1	18.6
4	11.9	9.8	11.2	12.0	8.8	10.6	18.2	14.2	16.3	19.9	17.2	18.7
5	9.8	7.9	9.0	13.1	11.4	12.1	17.4	16.1	16.7	19.5	18.7	19.0
6	9.0	7.9	8.7	12.9	12.2	12.4	17.1	14.9	16.1	---	---	---
7	8.7	7.4	8.0	14.0	11.9	12.7	16.3	15.2	15.8	---	---	---
8	7.9	6.4	7.3	13.3	12.0	12.6	15.2	13.7	14.3	20.0	18.7	19.3
9	9.4	6.8	8.2	15.1	12.4	13.6	13.7	12.8	13.2	20.8	19.2	20.0
10	9.4	8.1	8.8	14.6	11.7	13.1	12.8	11.6	12.0	21.4	19.7	20.5
11	9.6	6.8	8.2	14.4	10.7	12.6	13.5	10.9	12.2	20.9	19.2	20.2
12	10.5	7.6	8.9	15.4	11.0	13.3	15.7	11.2	13.6	19.4	18.0	18.7
13	10.0	7.3	8.7	16.3	13.1	14.8	16.9	12.8	14.9	19.1	16.7	18.0
14	9.7	8.0	8.8	---	---	---	17.5	13.2	15.5	18.3	17.0	17.6
15	11.9	9.3	10.5	13.9	12.4	13.0	18.0	14.4	16.3	18.6	17.0	17.8
16	11.6	7.9	9.3	15.1	12.7	13.6	18.1	14.9	16.6	20.4	18.3	19.3
17	8.3	7.7	8.0	13.8	13.1	13.5	17.2	15.6	16.6	20.3	19.3	19.8
18	9.3	7.5	8.3	14.4	13.7	14.0	17.2	15.9	16.8	19.8	18.4	18.9
19	10.1	7.2	8.6	14.6	13.9	14.4	16.6	15.1	15.8	18.4	17.0	17.5
20	11.7	8.9	10.2	---	---	---	16.7	16.0	16.3	17.8	16.5	17.1
21	11.1	10.3	10.7	15.4	13.2	14.0	17.0	16.0	16.5	18.3	17.4	17.9
22	13.2	10.9	12.1	15.3	12.9	14.1	16.9	15.1	16.0	18.3	17.9	18.1
23	12.2	10.3	11.3	15.8	13.0	14.3	16.8	13.7	15.4	19.2	17.7	18.3
24	12.8	9.7	11.2	16.9	12.4	14.4	16.1	13.5	15.0	19.7	18.0	18.8
25	12.5	10.6	11.5	17.4	9.8	13.9	17.1	14.8	16.0	20.0	18.1	19.1
26	11.2	9.7	10.3	17.0	13.9	15.5	17.7	15.9	16.9	20.2	18.8	19.4
27	9.7	8.8	9.1	17.7	15.0	16.3	18.5	15.7	17.2	19.7	18.0	18.9
28	11.5	9.1	10.2	17.3	15.7	16.5	18.9	15.9	17.5	19.7	17.2	18.6
29	---	---	---	17.3	14.6	16.1	19.6	16.4	18.1	19.6	17.7	18.7
30	---	---	---	14.6	12.0	13.5	20.1	17.6	19.0	19.7	17.2	18.5
31	---	---	---	13.7	10.2	12.0	---	---	---	20.6	18.0	19.4
MONTH	13.2	6.4	9.5	---	---	---	20.1	10.1	15.6	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.0	18.3	19.2	22.1	21.0	21.3	24.0	23.1	23.5	24.9	23.5	24.2
2	19.8	17.1	18.6	21.6	20.9	21.2	23.9	22.7	23.3	24.3	22.9	23.7
3	20.3	18.9	19.6	22.8	20.6	21.5	24.5	22.4	23.3	24.3	22.9	23.7
4	21.5	19.8	20.6	22.2	21.1	21.7	---	---	---	24.5	23.0	23.7
5	20.9	18.9	20.0	23.0	21.4	22.0	---	---	---	23.7	22.5	23.1
6	20.7	19.2	19.9	23.4	22.3	22.8	---	---	---	22.9	21.4	22.2
7	21.7	20.2	21.0	23.8	22.2	23.0	---	---	---	21.6	20.4	21.0
8	22.3	21.1	21.6	24.3	22.6	23.5	---	---	---	21.6	19.5	20.6
9	22.2	20.3	21.3	24.5	22.8	23.7	---	---	---	21.6	19.5	20.6
10	22.3	19.6	21.1	23.8	22.5	23.2	---	---	---	21.5	19.9	20.7
11	22.9	20.8	21.9	23.3	21.9	22.6	---	---	---	21.2	19.3	20.3
12	22.7	21.2	22.0	23.5	21.8	22.8	23.2	22.2	22.7	21.2	19.2	20.2
13	23.0	21.3	22.0	23.7	21.5	22.8	23.4	22.4	22.9	21.3	18.6	20.1
14	23.4	22.4	22.7	24.3	21.5	23.3	24.3	22.3	23.3	21.6	19.7	20.8
15	23.7	22.2	22.9	24.2	22.8	23.5	24.7	23.0	23.9	22.5	20.7	21.5
16	23.6	22.3	23.0	23.9	22.5	23.2	24.8	23.3	23.9	21.5	19.8	20.7
17	23.5	21.1	22.4	24.1	22.4	23.2	24.6	22.7	23.7	21.1	19.2	20.2
18	22.6	21.5	22.2	24.0	22.6	23.4	24.7	23.1	24.0	20.7	17.8	19.4
19	22.5	21.4	21.9	24.0	22.5	23.3	24.9	23.3	24.1	21.1	18.4	19.9
20	22.6	21.4	22.0	24.5	22.7	23.6	24.7	23.1	24.2	21.6	19.0	20.4
21	22.4	20.4	21.5	25.6	24.0	24.7	24.7	23.2	23.9	21.3	19.3	20.5
22	22.6	20.4	21.5	24.8	23.3	23.8	24.4	22.6	23.6	22.4	21.0	21.5
23	22.6	20.5	21.6	23.9	22.5	23.3	24.6	22.8	23.8	22.2	20.9	21.5
24	22.6	20.8	21.8	23.6	21.9	22.8	24.4	22.9	23.8	21.3	19.4	20.6
25	22.7	20.7	21.8	23.5	21.3	22.5	24.3	23.3	23.7	21.4	19.1	20.4
26	22.6	20.7	21.8	23.4	22.0	22.8	24.4	22.4	23.5	21.3	19.0	20.2
27	22.1	20.8	21.6	24.0	22.4	23.1	24.6	22.7	23.8	21.5	19.1	20.4
28	22.6	21.1	21.9	24.3	22.5	23.5	24.9	23.0	23.9	20.8	18.0	19.7
29	22.9	21.5	22.2	24.5	22.8	23.7	24.9	22.8	23.8	18.0	15.8	17.0
30	22.5	21.6	22.1	23.7	22.8	23.2	25.2	23.6	24.4	17.6	15.0	16.4
31	---	---	---	24.0	22.4	23.1	25.1	23.5	24.3	---	---	---
MONTH	23.7	17.1	21.5	25.6	20.6	23.0	---	---	---	24.9	15.0	20.8

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	39	11	16	16	10	12	18	6.3	9.5	---	---	---
2	26	9.4	13	27	9.0	12	20	5.7	8.5	---	---	---
3	26	7.9	10	28	8.2	11	26	5.6	8.0	73	15	18
4	44	7.3	12	22	9.1	15	25	5.7	7.8	36	12	15
5	20	6.4	9.2	653	8.9	127	276	7.8	33	26	11	14
6	33	6.6	9.2	271	46	76	26	10	14	46	10	13
7	80	14	24	53	25	36	42	8.5	10	36	9.4	12
8	19	7.4	11	43	17	22	33	6.5	9.3	23	8.6	11
9	15	7.1	8.7	26	12	17	21	6.4	8.1	35	8.5	11
10	24	6.5	9.1	19	11	13	264	6.3	9.5	30	8.1	10
11	22	6.4	8.1	>1200	11	412	236	28	48	27	7.6	11
12	17	6.0	8.1	>1200	80	92	68	18	26	40	6.7	9.8
13	166	8.5	27	97	51	67	153	19	48	34	6.3	8.7
14	21	7.9	12	54	31	39	56	18	28	32	6.0	9.4
15	---	---	---	34	23	28	42	12	17	28	5.8	9.1
16	---	---	---	188	27	88	27	10	12	33	5.8	9.0
17	---	---	---	92	37	45	24	8.8	11	36	6.1	9.5
18	---	---	---	52	25	35	24	8.0	11	45	5.1	8.4
19	36	20	23	42	21	26	101	7.3	10	23	<5.0	7.5
20	---	---	---	---	---	---	397	27	51	29	<5.0	7.4
21	---	---	---	---	---	---	49	16	22	43	5.2	8.8
22	22	12	16	---	---	---	27	11	14	31	6.5	10
23	18	11	13	---	---	---	27	8.4	11	50	<5.0	9.6
24	20	9.7	12	---	---	---	1200	8.5	192	28	<5.0	8.0
25	19	9.3	11	---	---	---	---	---	---	33	5.2	8.5
26	17	8.7	10	33	8.6	11	---	---	---	36	5.1	7.8
27	---	---	---	44	8.1	14	---	---	---	35	<5.0	7.6
28	---	---	---	29	7.5	9.4	---	---	---	43	<5.0	9.3
29	1000	46	103	27	6.9	9.5	---	---	---	117	5.6	11
30	48	19	26	18	6.9	8.8	---	---	---	476	57	122
31	21	12	16	---	---	---	---	---	---	94	27	35
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	58	18	22	22	13	15	45	12	16	277	7.9	11
2	43	14	17	24	11	14	41	9.8	14	---	---	---
3	38	11	14	31	11	14	36	11	16	---	---	---
4	92	11	26	19	10	13	33	8.0	13	---	---	---
5	51	10	14	667	9.3	12	54	8.8	15	---	---	---
6	98	8.7	13	>1200	134	283	335	8.4	12	---	---	---
7	141	18	32	144	79	98	188	27	44	---	---	---
8	40	13	18	94	56	68	48	15	22	292	91	114
9	32	10	13	82	41	49	32	12	16	100	63	75
10	133	14	32	60	29	34	102	13	16	70	41	48
11	76	12	17	46	22	28	92	14	20	42	29	35
12	36	10	14	50	18	22	32	9.3	13	53	22	28
13	47	8.8	12	768	18	24	25	8.5	11	35	18	22
14	40	7.3	10	42	14	22	16	7.0	10	75	15	20
15	28	7.3	8.7	95	17	27	26	6.5	9.9	307	17	64
16	535	8.0	106	63	13	23	18	6.4	9.8	581	42	89
17	96	34	44	92	13	38	23	6.9	9.3	65	34	44
18	62	22	28	65	16	28	44	7.1	12	304	35	67
19	51	15	22	1190	15	51	42	5.3	8.6	64	27	33
20	48	12	16	>1200	198	250	25	5.9	8.3	37	20	24
21	41	11	14	206	136	167	41	7.4	11	67	18	21
22	1040	13	132	148	98	120	---	---	---	1040	22	194
23	138	56	75	104	66	80	---	---	---	150	75	100
24	71	40	47	---	---	---	---	---	---	108	46	64
25	43	24	30	---	---	---	360	8.5	70	68	33	44
26	297	18	24	206	23	32	63	18	28	60	24	29
27	62	23	32	56	22	28	40	10	18	65	20	24
28	25	15	18	34	16	21	41	9.5	14	26	17	20
29	---	---	---	36	15	19	29	8.4	12	22	15	18
30	---	---	---	42	16	21	28	7.9	10	24	13	17
31	---	---	---	38	14	17	---	---	---	39	12	14
MAX	1040	56	132	---	---	---	---	---	---	---	---	---
MIN	25	7.3	8.7	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26	11	14	>1200	79	384	108	13	20	46	9.6	18
2	86	12	14	890	133	160	62	9.1	14	56	9.4	19
3	170	13	33	168	99	116	---	---	---	47	7.5	17
4	88	16	24	122	65	86	---	---	---	76	10	20
5	44	11	17	688	50	75	---	---	---	76	8.4	22
6	174	11	15	334	48	71	---	---	---	40	6.2	16
7	311	41	71	91	36	51	---	---	---	40	7.4	15
8	72	22	27	62	25	39	---	---	---	45	8.1	17
9	72	17	21	66	20	30	---	---	---	42	6.7	16
10	51	13	17	41	18	24	---	---	---	26	6.5	12
11	87	13	17	43	13	20	---	---	---	28	6.4	10
12	46	13	19	80	14	20	60	14	20	30	6.4	12
13	104	12	18	>1200	12	23	26	11	14	40	6.8	14
14	>1200	48	74	1130	104	164	20	9.7	13	37	6.8	12
15	148	42	58	130	57	78	23	8.2	11	38	6.3	13
16	1140	34	51	95	36	48	24	7.5	10	34	6.4	12
17	981	98	186	78	23	29	43	7.9	16	29	6.8	10
18	>1200	131	242	42	17	21	53	9.3	17	36	6.2	9.5
19	239	110	131	70	14	19	25	7.6	11	40	<5.0	8.7
20	121	80	98	1130	13	17	1170	9.8	62	28	<5.0	10
21	104	52	68	920	55	80	38	12	18	46	<5.0	9.5
22	72	34	47	>1200	37	65	35	8.7	13	673	7.8	21
23	59	27	35	511	56	110	24	7.3	11	154	45	64
24	50	18	26	78	32	47	27	6.0	11	50	22	26
25	34	15	20	58	24	33	31	7.1	12	159	14	19
26	30	12	17	62	18	28	28	6.3	12	54	9.6	14
27	1170	12	18	53	14	23	46	6.0	11	30	7.7	12
28	627	36	83	54	12	17	46	6.4	12	42	6.6	12
29	53	21	28	74	9.4	16	93	6.8	12	59	6.0	11
30	708	15	24	70	10	18	572	29	42	54	5.0	10
31	---	---	---	485	9.3	16	41	16	24	---	---	---
MAX	1200	131	242	1200	133	384	---	---	---	673	45	64
MIN	26	11	14	41	9.3	16	---	---	---	26	5.0	8.7

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

02207385 BIG HAYNES CREEK AT LENORA ROAD, NEAR SNELLVILLE, GA

LOCATION.—Lat 33º48’54”, long 83º59’25” referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, 30.0 feet upstream of bridge on County Road 368, and 5.5 miles southeast of Snellville.

DRAINAGE AREA.—17.3 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities, Rockdale County Department of Water Resources

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 12, 1996 to current year.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory and Missouri District Water Quality Laboratory. Field values with analyzing agency code 1028 are median values of cross-section field data at the time of sample collection. Field determinations of discharge, specific conductance, pH, water temperature, air temperature, dissolved oxygen, and turbidity by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Hydro-logic condi-tion	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Tur-bidity, NTU (00076)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Hard-ness, water, unfltrd mg/L as CaCO3 (00900)
OCT													
10...	0830	--	9	9	81213	2.80	11	20	10	8.0	6.6	85	17
DEC													
05-05	0245	1015	A	J	81213	--	--	50	55	140	6.6	57	11
18...	1300	--	9	9	81213	3.08	24	5	10	9.0	6.8	68	15
FEB													
16-16	0730	1625	A	J	81213	--	--	300	55	240	5.8	41	8
20...	1025	--	9	9	81213	3.25	35	30	10	11	6.6	60	12
APR													
02...	1200	--	9	9	81213	3.11	28	20	10	12	6.6	57	12
06-07	0945	1435	A	J	81213	--	--	120	55	99	5.8	50	10
MAY													
22-22	0220	1025	A	J	81213	--	--	E160	55	500	5.4	58	9
JUN													
13-14	1855	0705	A	J	81213	--	--	E40	55	56	6.1	55	12
24...	1310	--	9	9	81213	3.50	58	70	10	19	6.7	56	13
JUL													
29...	1200	--	9	9	81213	3.30	30	50	10	11	6.7	60	12

02207385 BIG HAYNES CREEK AT LENORA ROAD, NEAR SNELLVILLE, GA—continued.

Date	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Residue vola-tile, sus-pended, mg/L (00535)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, unfltrd mg/L (00600)
OCT													
10...	5.20	.95	.96	54	4	<1	.20	.060	1.60	1.60	.07	.09	1.8
DEC													
05-05	3.30	.74	.95	39	172	29	.70	.087	.97	.980	<.02	.15	1.7
18...	4.30	.93	.96	49	5	<1	.30	.062	1.10	1.20	.02	.05	1.5
FEB													
16-16	2.40	.55	1.00	27	298	42	1.1	.086	.61	.620	<.02	.18	1.7
20...	3.60	.82	.86	37	7	1	.40	.035	1.00	1.00	<.02	.03	1.4
APR													
02...	3.40	.86	.89	42	14	7	.30	.052	.87	.870	<.02	.02	1.2
06-07	3.00	.73	.93	34	104	18	.70	.062	.66	.660	<.02	.09	1.4
MAY													
22-22	2.60	.57	1.90	40	467	60	1.9	.084	.40	.430	<.02	.38	2.3
JUN													
13-14	3.30	.81	--	34	56	10	.70	.057	.70	.700	<.02	.05	1.4
24...	3.60	.87	.91	45	13	8	.40	.101	.60	.600	<.02	.04	1.0
JUL													
29...	3.40	.76	.87	42	8	5	.40	A.109	.76	.760	<.02	.02	1.2

Date	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Zinc, water, unfltrd recover-able, ug/L (01092)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sampler type, code (84164)
OCT												
10...	.4	<5	<.5	<1	<2	731	<2	131	4	--	4	3044
DEC												
05-05	5.2	14	<.5	<1	9	5470	6	523	27	--	--	4115
18...	.7	<5	<.5	<1	<2	621	<2	157	9	--	6	3044
FEB												
16-16	2.2	11	<.5	2	<2	5980	10	488	36	48	559	4115
20...	.8	<5	<.5	<1	<2	605	<2	130	10	--	9	3044
APR												
02...	1.4	10	<.5	<1	3	794	<2	181	7	--	14	3044
06-07	E3.0	11	<.5	1	<2	2650	4	261	17	76	161	4115
MAY												
22-22	3.3	19	<.5	6	5	14900	33	2170	89	9	6390	4115
JUN												
13-14	.6	12	<.5	<1	<2	--	<2	272	13	84	68	4115
24...	1.2	9	<.5	<1	<2	1290	<2	189	8	--	28	3044
JUL												
29...	1.0	5	<.5	<1	<2	1270	<2	166	6	--	14	3044

02207385 BIG HAYNES CREEK AT LENORA ROAD, NEAR SNELLVILLE, GA—continued.

Date	Time	Ending time	Hydrologic condition	Hydrologic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT													
10...	0845	--	A	9	1028	2.80	11	40	9.0	8.5	92	6.5	79
DEC													
05-05	0857	0902	A	J	1028	3.37	43	40	130	10.5	88	6.2	55
18...	1310	--	A	9	1028	3.08	24	40	10	10.4	93	6.5	68
JAN													
23...	1300	--	5	9	80020	3.04	--	70	7.9	--	--	6.5	62
FEB													
16-16	1300	1310	A	J	1028	4.42	54	40	280	10.5	92	7.0	38
20...	1050	--	A	9	1028	3.25	35	40	14	10.6	93	6.3	60
26...	1025	--	9	9	80020	3.15	--	70	19	11.5	106	6.6	60
MAR													
18...	1310	--	9	9	80020	3.26	--	70	16	9.7	98	6.4	57
APR													
02...	1215	--	A	9	1028	3.11	28	40	13	9.7	97	6.3	57
07-07	1510	1515	A	J	1028	3.54	62	40	81	8.6	87	5.5	49
29...	0745	--	9	9	80020	3.08	--	70	13	8.9	93	6.2	58
MAY													
22-22	1305	1310	5	J	1028	8.58	725	40	340	8.9	97	5.8	31
27...	1320	--	9	9	80020	3.28	41	70	25	8.4	94	6.3	55
27...	1325	--	9	9	80020	3.28	41	10	27	8.4	94	6.3	55
27...	1326	--	9	9	80020	3.28	41	10	27	8.3	93	6.3	55
27...	1327	--	9	9	80020	3.28	41	10	25	8.4	94	6.3	55
27...	1328	--	9	9	80020	3.28	41	10	25	8.4	94	6.3	55
27...	1329	--	9	9	80020	3.28	41	10	25	8.4	94	6.3	55
27...	1330	--	9	9	80020	3.28	41	10	24	8.2	93	6.3	48
JUN													
10...	1050	--	9	9	80020	3.40	50	70	16	8.7	99	6.9	58
14...	1551	--	5	J	1028	--	82	10	160	7.5	87	6.5	52
24...	1320	--	9	9	1028	3.50	58	40	22	8.1	70	6.5	56
JUL													
14...	0930	--	5	9	80020	3.90	--	70	130	7.6	92	6.7	44
29...	1215	--	9	9	1028	3.30	30	40	12	7.6	92	6.5	58
AUG													
21...	0820	--	9	9	80020	3.31	--	70	24	7.6	91	6.9	59
SEP													
08...	1130	--	9	9	80020	3.23	--	70	6.9	9.8	112	7.3	64
22-22	1644	1646	8	J	1028	3.81	85	40	500	7.5	88	6.1	51

02207385 BIG HAYNES CREEK AT LENORA ROAD, NEAR SNELLVILLE, GA—continued.

Date	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Organic carbon, water, unfltrd mg/L (00680)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Sampler type, code (84164)
OCT						
10...	18.0	18.3	--	--	--	8000
DEC						
05-05	5.0	6.6	--	--	--	8000
18...	--	9.9	--	--	--	8000
JAN						
23...	--	6.2	2.0	35	1.2	3070
FEB						
16-16	--	8.3	--	--	--	8000
20...	16.0	9.5	--	--	--	8000
26...	--	10.4	--	77	E2.3	3070
MAR						
18...	--	14.0	2.8	163k	E3.2	3070
APR						
02...	--	15.0	--	--	--	8000
07-07	--	16.2	--	--	--	8000
29...	20.0	16.4	--	120	E1.6	3070
MAY						
22-22	19.0	18.3	--	--	--	8000
27...	27.6	19.3	4.1	102	--	3070
27...	--	19.3	--	--	--	--
27...	--	19.3	--	--	--	--
27...	--	19.3	--	--	--	--
27...	--	19.3	--	--	--	--
27...	--	19.3	--	--	--	--
27...	--	19.8	--	--	--	--
JUN						
10...	26.7	20.5	4.2	173	--	3070
14...	--	22.9	--	--	--	8000
24...	31.0	8.1	--	--	--	8000
JUL						
14...	26.0	23.0	7.3	--	2.3	3070
29...	28.0	23.7	--	--	--	8000
AUG						
21...	--	23.2	4.0	130	E2.7	3070
SEP						
08...	25.0	20.6	23.4	340	E1.3	3070
22-22	--	21.6	--	--	--	8000

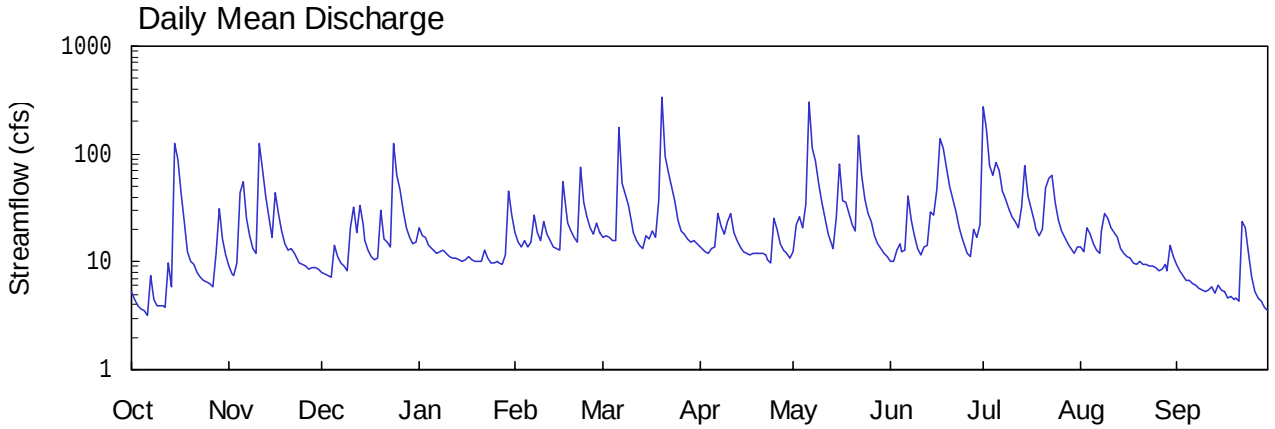
Remark codes used in this report:
< -- Less than
> -- Greater than
A -- Average value
E -- Estimated value
k – Counts outside acceptable range
S -- Most probable value

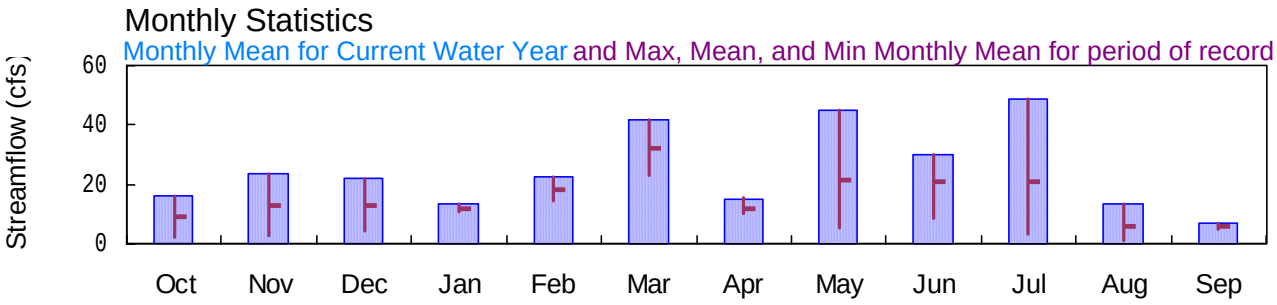
Value qualifier codes used in this report:
a -- Value was extrapolated above
f -- Sample field preparation problem
l -- Sample lab preparation problem
q -- Insufficient sample received

2003 Water Year

02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA

Latitude: 33°49'17" Longitude: 083°56'33" Hydrologic Unit Code: 03070103 Gwinnett County
Drainage Area: 8.15 mi² Datum: 880.0 feet





ALTAMAHA RIVER BASIN
2003 Water Year

02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NEAR LOGANVILLE, GA

LOCATION.—Lat 33°49'17", long 83°56'33" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 0307103, at concrete box culvert on Beaver Road, 2.6 miles southwest of Loganville, and 3.4 miles upstream of Big Haynes Creek.

DRAINAGE AREA.—8.15 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 1, 2001 to current year.

GAGE.—Satellite telemetry with a water stage recorder and a continuous water-quality monitor. Datum of gage is 880.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for the periods of estimated discharge and discharge above 580 cfs, which is fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 1, 2001 to current year.

GAGE.—Satellite telemetry with a water stage recorder and a continuous water-quality monitor. Datum of gage is 880.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 9.10 feet, March 20; minimum gage-height, 1.34 feet, September 22.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15* DATUM 880.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	9.1	7.9	21	19	17	14	12	10	271	14	e9.3
2	4.5	7.8	7.7	18	15	17	13	22	10	170	12	e8.2
3	3.9	7.3	7.4	17	14	17	13	27	13	79	20	e7.5
4	3.7	9.9	7.2	14	15	16	12	20	15	63	18	6.8
5	3.5	44	14	13	14	e16	13	34	13	84	15	6.8
6	3.2	55	11	13	15	e176	14	307	13	71	13	6.2
7	7.4	25	9.9	12	27	53	28	111	41	45	12	6.0
8	4.5	18	9.2	12	18	42	22	85	25	39	19	5.7
9	3.9	13	8.4	13	16	34	18	53	17	31	28	5.5
10	3.9	12	21	12	24	23	24	35	13	26	26	5.4
11	3.9	125	32	11	18	18	28	25	12	24	21	5.5
12	3.8	73	19	11	16	16	19	18	14	21	19	5.9
13	9.7	41	33	11	14	14	16	15	14	33	17	5.1
14	5.9	26	22	10	13	13	14	13	29	79	13	6.0
15	125	17	16	10	13	18	12	25	27	41	12	5.6
16	91	43	13	11	55	16	12	81	47	31	11	e5.3
17	43	28	11	11	30	19	12	37	140	24	11	4.6
18	23	19	10	10	23	e17	12	36	114	20	9.7	e4.7
19	12	15	11	10	19	37	12	28	76	18	9.3	e4.5
20	10	13	30	10	17	337	12	22	51	20	10	e4.6
21	9.3	13	16	10	15	97	12	19	38	48	9.5	e4.4
22	7.8	12	15	13	74	e69	11	147	29	59	e9.5	e24
23	7.3	11	14	11	36	50	10	63	21	63	e9.2	21
24	6.7	9.9	123	9.8	26	37	9.9	38	16	36	e9.1	12
25	6.5	9.4	63	9.8	21	25	26	28	13	24	e8.9	7.2
26	6.3	9.0	46	10	18	19	20	24	12	19	e8.2	5.3
27	6.0	8.7	30	9.7	23	18	15	18	11	17	e8.4	4.6
28	12	8.7	21	9.4	19	16	e13	15	20	15	e9.3	4.3
29	31	8.7	17	12	---	15	e12	13	17	13	8.2	3.8
30	16	8.5	15	46	---	16	11	12	22	12	e14	3.6
31	11	---	15	27	---	15	---	11	---	14	e11	---
TOTAL	491.0	700.0	675.7	417.7	627	1293	459.9	1394	893	1510	415.3	209.4
MEAN	15.8	23.3	21.8	13.5	22.4	41.7	15.3	45.0	29.8	48.7	13.4	6.98
MAX	125	125	123	46	74	337	28	307	140	271	28	24
MIN	3.2	7.3	7.2	9.4	13	13	9.9	11	10	12	8.2	3.6
CFSM	1.94	2.86	2.67	1.65	2.75	5.12	1.88	5.52	3.65	5.98	1.64	0.86
IN.	2.24	3.20	3.08	1.91	2.86	5.90	2.10	6.36	4.08	6.89	1.90	0.96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	9.12	13.0	12.9	12.0	18.3	32.3	11.9	21.3	20.9	20.8	6.00	5.99
MAX	15.8	23.3	21.8	13.5	22.4	41.7	15.3	45.0	29.8	48.7	13.4	6.98
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	2.41	2.67	4.06	10.6	14.2	22.8	10.2	5.47	8.44	3.25	0.90	5.00
(WY)	2002	2002	2002	2002	2002	2001	2001	2001	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	9086.0			
ANNUAL MEAN	24.9		24.9	
HIGHEST ANNUAL MEAN			24.9	2003
LOWEST ANNUAL MEAN			24.9	2003
HIGHEST DAILY MEAN	337	Mar 20	337	Mar 20 2003
LOWEST DAILY MEAN	3.2	Oct 6	0.50	Sep 12 2002
ANNUAL SEVEN-DAY MINIMUM	4.3	Oct 3	0.58	Sep 6 2002
MAXIMUM PEAK FLOW	600	Mar 20	772	Mar 15 2001
MAXIMUM PEAK STAGE	9.10	Mar 20	9.10	Mar 20 2003
ANNUAL RUNOFF (CFSM)	3.05		3.05	
ANNUAL RUNOFF (INCHES)	41.47		41.50	
10 PERCENT EXCEEDS	47		47	
50 PERCENT EXCEEDS	15		15	
90 PERCENT EXCEEDS	6.6		6.6	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15* DATUM 880.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.51	1.64	1.61	1.84	1.81	1.78	1.71	1.65	1.60	5.26	1.69	---
2	1.47	1.60	1.60	1.79	1.74	1.78	1.69	1.86	1.60	3.92	1.65	---
3	1.44	1.59	1.59	1.77	1.70	1.77	1.67	1.94	1.68	2.55	1.80	---
4	1.42	1.67	1.58	1.71	1.74	1.75	1.66	1.84	1.72	2.35	1.77	1.48
5	1.42	2.19	1.78	1.70	1.70	---	1.69	2.04	1.67	2.66	1.70	1.48
6	1.39	2.40	1.71	1.68	1.72	---	1.71	5.93	1.68	2.46	1.66	1.46
7	1.58	1.99	1.67	1.66	1.94	2.33	1.96	3.14	2.15	2.10	1.64	1.45
8	1.47	1.86	1.65	1.67	1.80	2.17	1.86	2.76	1.91	2.01	1.76	1.44
9	1.44	1.76	1.62	1.68	1.75	2.05	1.80	2.34	1.78	1.90	1.94	1.43
10	1.43	1.73	1.82	1.66	1.89	1.88	1.89	2.08	1.70	1.82	1.90	1.42
11	1.44	3.45	2.09	1.64	1.80	1.80	1.96	1.92	1.65	1.79	1.83	1.43
12	1.43	2.62	1.87	1.62	1.75	1.75	1.81	1.79	1.70	1.74	1.79	1.44
13	1.65	2.22	2.10	1.63	1.70	1.72	1.74	1.72	1.71	1.93	1.76	1.41
14	1.53	2.00	1.94	1.62	1.69	1.70	1.70	1.69	1.96	2.60	1.67	1.45
15	3.47	1.84	1.82	1.61	1.69	1.79	1.67	1.91	1.95	2.05	1.64	1.43
16	2.86	2.24	1.75	1.62	2.31	1.76	1.66	2.75	2.23	1.90	1.62	---
17	2.25	2.04	1.71	1.63	2.00	1.82	1.65	2.10	3.68	1.79	1.61	1.38
18	1.96	1.89	1.69	1.61	1.88	---	1.66	2.09	3.26	1.72	1.57	---
19	1.74	1.79	1.70	1.61	1.82	2.09	1.66	1.96	2.64	1.68	1.56	---
20	1.68	1.76	2.05	1.60	1.77	6.12	1.65	1.87	2.31	1.71	1.58	---
21	1.65	1.76	1.83	1.61	1.74	2.89	1.66	1.82	2.13	2.14	1.57	---
22	1.60	1.72	1.81	1.68	2.63	---	1.64	3.77	1.98	2.31	---	---
23	1.59	1.69	1.78	1.63	2.09	2.29	1.62	2.47	1.85	2.37	---	1.83
24	1.56	1.67	3.42	1.60	1.94	2.10	1.60	2.11	1.75	2.03	---	1.65
25	1.56	1.65	2.45	1.60	1.84	1.91	1.91	1.97	1.69	1.88	---	1.52
26	1.55	1.64	2.22	1.60	1.79	1.82	1.83	1.90	1.65	1.80	---	1.45
27	1.54	1.63	2.00	1.60	1.88	1.80	1.73	1.79	1.64	1.75	---	1.43
28	1.68	1.63	1.85	1.59	1.81	1.76	---	1.73	1.83	1.71	---	1.42
29	2.07	1.63	1.77	1.64	---	1.74	---	1.69	1.77	1.68	1.52	1.39
30	1.83	1.63	1.73	2.21	---	1.75	1.62	1.66	1.85	1.64	---	1.38
31	1.72	---	1.73	1.94	---	1.72	---	1.64	---	1.67	---	---
MEAN	1.71	1.90	1.87	1.68	1.85	---	---	2.19	1.96	2.16	---	---
MAX	3.47	3.45	3.42	2.21	2.63	---	---	5.93	3.68	5.26	---	---
MIN	1.39	1.59	1.58	1.59	1.69	---	---	1.64	1.60	1.64	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15* DATUM 880.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.15	0.00	0.03	0.00	0.61	0.00	4.35	0.00	0.00
2	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.51	0.00	0.01	0.00	0.00
3	0.00	0.30	0.00	0.00	0.00	0.01	0.00	0.00	0.37	0.00	0.49	0.00
4	0.18	0.16	0.05	0.00	0.24	0.02	0.00	0.01	0.17	0.00	0.01	0.00
5	0.00	1.45	0.41	0.00	0.00	---	0.20	2.91	0.00	0.64	0.00	0.00
6	0.00	0.01	0.00	0.00	0.67	---	0.38	1.88	0.69	0.01	0.04	0.00
7	0.67	0.00	0.00	0.00	0.05	0.02	0.51	0.60	0.82	0.00	0.03	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.81	0.00
9	0.00	0.01	0.00	0.03	0.14	0.00	0.07	0.00	0.00	0.00	0.00	0.00
10	0.08	0.01	1.13	0.01	0.38	0.00	0.68	0.00	0.00	0.07	0.00	0.00
11	0.00	1.62	0.01	0.00	0.00	0.00	0.00	0.09	0.05	0.01	0.15	0.00
12	0.08	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.02	0.00
13	0.63	0.00	0.71	0.00	0.00	0.00	0.00	0.00	0.23	1.46	0.01	0.00
14	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.57	0.29	0.00	0.00
15	3.39	0.24	0.00	0.00	0.00	0.38	0.00	0.75	0.01	0.00	0.00	0.00
16	0.04	0.70	0.00	0.15	1.41	0.00	0.00	0.57	0.62	0.00	0.15	0.00
17	0.00	0.00	0.00	0.00	0.00	0.47	0.12	0.05	1.64	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.42	0.75	0.00	0.00	0.00
19	0.00	0.03	0.67	0.00	0.01	2.05	0.01	0.04	0.01	0.00	0.00	0.00
20	0.25	0.02	0.03	0.00	0.00	1.64	0.00	0.03	0.00	0.56	0.24	0.00
21	0.00	0.12	0.00	0.17	0.10	0.00	0.05	0.32	0.00	0.03	0.00	0.11
22	0.00	0.00	0.02	0.24	1.24	0.00	0.00	2.22	0.00	0.67	0.00	1.76
23	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.04	0.00	0.57	0.00	0.00
24	0.00	0.00	1.98	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00
25	0.08	0.00	0.02	0.00	0.00	0.00	1.04	0.19	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.35	0.36	0.01	0.04	0.00	0.14	0.00	0.00
27	0.00	0.00	0.00	0.00	0.24	0.01	0.00	0.00	0.21	0.00	0.00	0.25
28	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.01	0.00
29	0.29	0.00	0.00	0.71	---	0.01	0.00	0.00	0.00	0.00	0.93	0.00
30	0.01	0.00	0.00	0.76	---	0.15	0.00	0.00	0.42	0.00	0.00	0.00
31	0.00	---	0.31	0.00	---	0.00	---	0.00	---	0.46	0.00	---
TOTAL	6.51	4.94	5.38	2.33	4.86	---	3.22	11.28	7.49	9.27	2.89	2.12

ALTAMAHA RIVER BASIN
2003 Water Year

02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NEAR LOGANVILLE, GA

LOCATION.—Lat 33°49'17", long 83°56'33" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 0307103, at concrete box culvert on Beaver Road, 2.6 miles southwest of Loganville, and 3.4 miles upstream of Big Haynes Creek.

DRAINAGE AREA.—8.15 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIOD OF RECORD.—March 1, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: March 1, 2001 to current year.
WATER TEMPERATURE: March 1, 2001 to current year.
TURBIDITY: March 1, 2001 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records fair, except for turbidity records, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 88 microsiemens, August 29, 2003; minimum recorded, 13 microsiemens, March 20, 2003.
WATER TEMPERATURE: Maximum recorded, 27.7°C, July 27, 2001; minimum recorded, 1.6°C, January 4, 2002.
TURBIDITY: Maximum recorded, >2,200 NTU, on many days; minimum recorded, <5.0 NTU, on many days.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum, 88 microsiemens, August 29; minimum, 13 microsiemens, March 20.
WATER TEMPERATURE: Maximum, 27.5°C, July 21; minimum, 2.1°C, January 24.
TURBIDITY: Maximum, >2,200 NTU, March 6, 20; minimum, 6.3 NTU, January 26.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15 DATUM 880.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	57	56	57	49	48	49	46	45	46	39	37	38
2	60	57	59	50	48	49	47	46	46	39	37	38
3	62	60	62	50	48	49	47	46	47	39	38	38
4	64	62	63	52	47	48	47	47	47	39	38	38
5	63	62	62	52	27	41	50	45	46	39	38	38
6	66	63	65	---	---	---	45	44	45	39	39	39
7	67	48	58	---	---	---	45	44	45	40	39	40
8	62	58	61	46	45	45	46	44	45	42	40	40
9	63	62	63	46	45	45	47	46	46	45	40	41
10	63	61	62	47	46	47	47	39	45	43	41	42
11	62	59	60	47	17	32	41	38	39	42	41	42
12	61	60	61	40	24	32	44	39	42	42	41	42
13	65	55	58	40	40	40	43	39	42	43	41	42
14	57	56	56	42	40	41	43	42	43	42	42	42
15	57	31	44	43	42	42	43	43	43	43	42	42
16	43	38	40	45	40	42	44	43	43	42	42	42
17	43	42	42	43	43	43	45	43	44	43	42	42
18	44	42	43	44	42	43	44	44	44	42	42	42
19	45	44	45	45	42	44	45	42	44	42	42	42
20	47	45	46	47	45	46	44	40	41	42	42	42
21	47	45	46	47	44	45	44	42	43	43	41	42
22	49	47	48	48	44	46	43	43	43	42	41	42
23	49	47	48	52	48	50	44	43	43	43	42	42
24	49	48	48	56	52	54	44	24	35	43	42	42
25	49	48	49	57	47	52	35	32	33	43	42	42
26	51	48	49	47	45	46	32	32	32	42	41	42
27	50	49	50	46	44	45	34	32	33	42	41	42
28	51	39	48	46	44	45	35	34	35	42	42	42
29	47	43	44	44	43	44	36	35	36	42	40	42
30	49	45	47	45	44	44	37	36	37	42	36	37
31	49	47	47	---	---	---	39	37	37	40	37	39
MONTH	67	31	53	---	---	---	50	24	42	45	36	41

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15 DATUM 880.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	40	39	39	40	40	40	43	41	42	48	43	45
2	41	39	40	41	40	41	42	42	42	47	37	45
3	41	40	41	41	40	41	43	42	42	43	40	42
4	43	39	40	42	41	41	43	42	43	44	43	43
5	44	39	42	---	---	---	45	43	44	46	24	43
6	43	41	43	---	---	---	45	43	44	34	20	27
7	41	40	40	38	33	37	45	41	43	31	27	29
8	41	40	40	38	37	38	43	41	42	51	28	32
9	41	40	41	37	25	34	47	43	43	38	34	36
10	40	36	38	26	24	25	44	43	44	41	37	39
11	40	38	39	29	26	28	44	43	44	43	40	42
12	40	39	40	33	28	31	44	43	43	45	43	44
13	40	40	40	36	33	35	46	43	44	45	44	45
14	42	40	41	39	36	38	47	44	45	45	45	45
15	41	41	41	41	39	40	45	44	44	50	43	45
16	41	24	34	40	40	40	45	43	44	50	30	40
17	38	33	35	42	40	41	45	44	44	44	42	43
18	40	38	39	---	---	---	45	44	44	43	39	41
19	40	39	39	46	28	41	46	44	45	42	41	41
20	40	39	40	29	13	26	46	44	44	48	38	45
21	40	39	40	31	28	29	45	43	44	44	41	42
22	40	17	35	---	---	---	44	44	44	44	29	37
23	38	37	38	34	29	32	45	44	44	38	32	36
24	38	23	30	36	34	35	46	45	45	37	36	36
25	39	26	37	38	36	38	46	38	42	40	37	38
26	40	39	39	41	38	39	43	42	43	40	38	39
27	41	38	39	41	39	40	43	43	43	42	40	41
28	40	40	40	44	41	42	44	43	44	42	41	41
29	---	---	---	42	42	42	46	44	45	42	41	42
30	---	---	---	45	41	42	46	45	45	44	42	43
31	---	---	---	42	41	41	---	---	---	44	42	44
MONTH	44	17	39	---	---	---	47	38	44	51	20	40

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15 DATUM 880.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	46	43	44	41	23	32	45	42	44	46	45	45
2	44	42	43	30	26	28	45	43	44	47	46	46
3	46	43	44	30	27	29	45	35	42	47	17	41
4	44	43	43	32	29	31	44	42	43	48	42	46
5	46	43	44	32	26	30	45	43	44	48	47	47
6	45	40	44	36	29	34	44	44	44	47	46	47
7	44	38	42	37	35	36	45	44	44	48	46	47
8	43	38	41	39	36	37	45	35	43	47	45	46
9	43	40	42	41	37	39	42	39	41	46	45	46
10	45	43	44	43	39	41	42	40	41	46	45	46
11	46	44	45	48	40	44	43	40	41	46	45	46
12	48	42	46	46	42	44	43	41	42	46	45	46
13	46	44	45	46	27	43	44	42	43	46	45	45
14	46	38	43	41	30	37	44	42	43	47	45	46
15	44	42	43	42	37	39	45	43	44	47	45	46
16	43	27	40	41	37	38	48	44	45	---	---	---
17	41	22	27	42	39	40	46	45	45	46	45	45
18	34	22	30	45	41	43	46	45	45	47	45	46
19	33	19	26	44	41	42	46	45	45	46	45	46
20	35	17	26	44	36	42	47	45	45	48	45	46
21	38	34	36	41	36	40	47	45	45	47	45	46
22	39	38	38	41	30	39	46	45	45	49	35	45
23	42	39	41	40	36	39	47	45	45	45	42	43
24	43	42	42	56	37	39	48	45	46	44	42	43
25	46	42	43	41	39	40	47	46	47	45	43	44
26	47	43	44	43	40	41	48	46	47	45	45	45
27	44	43	44	44	42	43	49	46	47	47	45	46
28	44	40	42	44	41	43	49	46	47	49	46	47
29	43	41	42	45	42	43	88	43	48	47	45	46
30	46	33	41	46	43	44	46	42	45	51	46	48
31	---	---	---	45	40	43	45	44	44	---	---	---
MONTH	48	17	40	56	23	39	88	35	44	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15 DATUM 880.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.8	20.5	21.5	15.7	13.5	14.6	9.3	7.0	7.9	10.8	10.0	10.3
2	23.2	20.6	21.8	14.8	12.5	13.7	9.0	6.1	7.5	11.4	10.0	10.5
3	23.1	20.4	21.8	14.6	13.1	13.8	10.3	6.8	8.5	10.8	7.4	9.3
4	22.7	20.7	21.7	14.7	13.8	14.2	9.6	7.2	8.5	8.4	6.1	7.2
5	23.8	21.6	22.5	14.2	13.6	14.0	7.8	6.2	7.1	9.5	6.5	7.8
6	23.2	20.6	21.8	---	---	---	8.2	6.1	7.1	8.3	6.7	7.5
7	23.4	21.3	22.2	---	---	---	8.0	5.0	6.5	7.7	5.4	6.5
8	21.7	19.3	20.6	14.4	11.3	12.7	8.1	5.5	6.7	8.6	5.8	7.0
9	19.3	18.4	18.8	15.5	12.2	13.7	8.4	7.1	7.7	10.7	7.5	8.9
10	19.4	18.6	19.0	17.1	15.2	16.1	8.2	7.2	7.7	10.4	8.2	9.7
11	20.8	19.1	19.8	17.5	16.6	16.9	8.3	7.3	7.8	8.2	6.2	7.1
12	21.7	19.0	20.4	16.8	15.5	16.4	8.9	7.7	8.2	7.0	5.2	6.1
13	22.3	20.5	21.3	15.5	13.5	14.4	8.6	7.7	8.2	7.1	5.7	6.3
14	20.5	18.5	19.5	14.6	12.0	13.2	8.1	6.6	7.4	8.3	5.4	6.7
15	18.5	14.9	16.3	14.0	11.5	12.9	8.5	5.8	7.0	7.2	5.2	6.2
16	17.8	16.1	16.8	13.9	13.1	13.7	9.7	6.6	7.9	6.3	4.7	5.6
17	17.1	15.1	16.1	13.1	10.2	11.7	9.7	7.7	8.6	6.1	4.4	5.3
18	17.2	14.4	15.7	12.0	9.0	10.4	9.4	8.3	8.8	5.1	2.7	3.9
19	17.4	14.5	15.9	11.9	10.1	10.9	10.7	8.8	9.5	5.7	3.2	4.3
20	17.7	15.5	16.6	12.1	10.8	11.4	11.1	8.6	10.2	7.9	3.8	5.8
21	18.5	17.2	17.7	13.7	11.9	12.5	9.7	7.0	8.3	10.3	7.4	9.0
22	17.4	16.3	17.0	12.1	9.6	10.9	10.9	7.6	9.1	9.9	8.5	9.4
23	16.5	16.1	16.2	10.8	8.2	9.5	10.6	7.7	9.1	8.5	3.7	6.0
24	17.2	16.0	16.6	11.9	8.6	10.1	9.9	8.3	9.0	5.1	2.1	3.5
25	16.7	16.2	16.3	11.9	8.7	10.3	8.8	6.5	7.9	6.1	3.3	4.5
26	17.4	16.1	16.7	12.5	8.9	10.7	7.0	5.4	6.2	6.9	4.9	5.6
27	18.2	16.2	17.2	11.7	9.0	10.7	7.3	5.0	6.1	6.2	3.8	5.1
28	18.9	17.8	18.1	9.6	7.6	8.6	7.8	5.2	6.4	7.5	3.6	5.5
29	18.9	17.6	18.4	9.7	6.8	8.3	9.2	6.3	7.5	8.4	6.9	7.7
30	18.5	16.5	17.6	10.9	8.9	9.7	9.5	6.5	7.9	8.5	8.0	8.2
31	16.8	15.1	15.9	---	---	---	10.3	8.2	9.1	9.0	7.6	8.2
MONTH	23.8	14.4	18.6	---	---	---	11.1	5.0	7.9	11.4	2.1	6.9

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15 DATUM 880.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.9	7.7	8.6	10.1	9.6	9.9	16.4	10.5	13.3	22.2	19.2	20.4
2	11.0	7.4	9.1	11.8	10.0	10.6	17.8	12.8	15.1	23.5	19.6	21.0
3	11.7	8.2	10.0	11.7	8.3	9.9	18.8	13.4	16.0	21.2	19.4	20.1
4	11.9	9.8	11.1	12.1	8.7	10.5	19.6	14.9	17.1	22.6	18.7	20.5
5	10.2	7.7	9.0	---	---	---	18.5	16.7	17.4	20.8	19.1	20.0
6	8.9	7.5	8.5	---	---	---	18.1	15.5	16.8	19.7	18.8	19.1
7	8.5	7.2	7.7	14.5	11.9	12.9	16.9	15.9	16.4	20.5	18.7	19.5
8	8.0	5.8	7.0	13.9	12.2	12.9	15.9	14.3	15.1	21.8	19.3	20.4
9	9.5	6.3	7.8	16.3	12.7	14.1	14.3	13.1	13.7	23.4	20.1	21.5
10	9.3	7.7	8.4	15.9	12.2	13.9	13.1	11.7	12.2	24.1	21.0	22.4
11	9.7	6.4	7.9	15.7	11.5	13.4	14.1	11.1	12.5	22.6	20.3	21.7
12	10.4	7.1	8.5	16.9	11.5	14.0	17.1	11.5	14.1	21.5	18.9	20.1
13	10.3	6.8	8.5	17.8	13.7	15.5	18.6	13.3	15.8	21.4	17.7	19.5
14	9.3	7.7	8.5	16.4	13.9	14.9	19.0	14.0	16.4	19.6	18.3	18.9
15	11.8	8.8	10.1	13.9	12.5	13.2	20.0	15.3	17.5	19.7	18.0	18.8
16	11.1	7.6	9.0	15.9	12.9	13.9	19.9	15.8	17.8	21.8	18.8	20.0
17	8.0	7.3	7.6	14.0	13.4	13.7	18.6	16.3	17.6	21.2	20.2	20.6
18	9.2	6.8	7.8	---	---	---	17.8	16.4	17.4	20.6	19.1	19.8
19	9.7	6.9	8.3	14.6	13.8	14.4	17.8	15.7	16.6	19.1	17.7	18.2
20	11.2	8.3	9.7	13.8	12.8	13.3	17.5	16.5	16.9	18.8	17.1	17.8
21	10.6	9.7	10.1	16.0	13.2	14.3	18.0	16.5	17.2	19.7	18.1	18.8
22	13.8	10.4	12.2	---	---	---	18.5	15.4	16.8	18.9	18.1	18.5
23	12.7	10.0	11.3	17.0	13.4	14.9	18.9	14.3	16.4	20.2	18.0	18.8
24	13.3	9.9	11.4	17.7	13.4	15.3	17.8	14.4	16.1	21.8	18.7	19.9
25	13.3	10.8	11.8	18.4	13.5	15.8	18.3	15.5	16.8	22.4	19.1	20.6
26	11.4	9.6	10.4	18.5	14.6	16.4	19.9	16.6	18.1	22.6	20.0	21.1
27	9.6	8.6	8.9	18.7	15.7	17.0	20.4	16.7	18.5	22.0	19.3	20.6
28	11.7	8.8	9.8	18.2	16.4	17.2	20.9	17.0	18.9	22.2	18.5	20.3
29	---	---	---	18.5	15.2	16.8	22.1	17.3	19.6	21.8	19.0	20.3
30	---	---	---	15.7	12.3	14.2	22.2	18.4	20.2	22.0	18.2	20.0
31	---	---	---	14.6	10.6	12.5	---	---	---	22.7	19.2	20.8
MONTH	13.8	5.8	9.2	---	---	---	22.2	10.5	16.5	24.1	17.1	20.0

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15 DATUM 880.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.1	18.8	20.4	23.5	21.2	22.0	25.9	23.5	24.5	26.9	24.5	25.5
2	22.0	18.2	20.0	22.6	21.3	21.8	25.8	23.5	24.4	26.0	23.7	24.9
3	21.8	20.0	20.8	24.3	21.2	22.6	25.7	23.6	24.4	26.0	23.5	24.7
4	24.1	21.0	22.3	24.1	22.1	23.0	26.1	24.2	24.9	25.9	23.5	24.6
5	24.0	20.2	22.1	24.9	22.6	23.5	26.8	24.1	25.2	25.1	23.1	24.0
6	22.4	20.7	21.7	25.2	22.7	23.7	25.3	23.6	24.5	23.7	21.9	22.9
7	23.1	21.4	22.1	26.2	23.0	24.4	25.5	22.6	23.8	22.8	20.7	21.6
8	25.2	22.2	23.4	26.7	23.5	25.0	25.3	22.8	23.7	22.9	19.7	21.3
9	25.1	21.9	23.4	27.2	24.0	25.5	26.6	23.1	24.6	23.2	19.9	21.4
10	25.6	21.2	23.2	25.6	24.0	24.9	26.5	23.9	25.1	22.6	20.3	21.4
11	25.6	22.3	23.8	26.0	23.2	24.4	25.9	23.7	24.6	22.7	19.4	21.0
12	25.2	22.4	23.6	26.6	23.1	24.6	24.6	23.2	23.9	22.6	19.5	20.9
13	24.7	22.8	23.6	26.8	22.1	24.5	25.1	23.1	23.9	23.2	19.0	21.0
14	24.7	22.7	23.4	25.4	22.7	24.1	26.5	23.1	24.6	23.0	20.1	21.6
15	26.3	23.1	24.5	26.0	23.3	24.6	27.1	24.0	25.4	23.9	21.1	22.2
16	24.9	23.5	24.3	26.8	23.7	25.1	27.0	24.4	25.4	---	---	---
17	24.7	22.4	23.5	26.7	23.7	25.1	27.1	23.6	25.2	22.2	19.4	20.7
18	23.9	22.4	23.3	26.7	24.0	25.2	27.2	23.9	25.4	22.1	18.0	20.0
19	24.7	22.6	23.5	26.8	23.6	25.1	26.6	24.1	25.3	22.5	18.3	20.4
20	24.8	22.8	23.7	27.1	23.8	25.1	26.1	24.5	25.1	23.1	19.2	21.0
21	25.1	21.8	23.3	27.5	24.6	25.9	26.7	23.7	25.0	22.7	19.5	21.1
22	24.6	21.6	23.0	26.0	23.9	24.9	26.6	23.4	24.9	22.8	21.5	21.9
23	25.1	21.8	23.3	25.0	23.1	24.1	27.0	23.6	25.2	23.9	21.0	22.3
24	25.6	22.1	23.6	26.1	22.5	24.1	26.0	23.7	24.9	22.9	20.3	21.6
25	25.4	22.1	23.7	25.5	22.5	24.0	26.1	24.0	24.8	23.2	19.7	21.4
26	25.3	22.2	23.7	25.7	23.2	24.3	26.6	23.0	24.7	22.7	19.4	21.0
27	24.5	22.1	23.3	26.7	23.3	24.7	26.7	23.4	25.0	23.3	19.5	21.2
28	24.4	22.1	23.2	27.2	23.6	25.3	26.9	23.6	25.0	21.6	18.3	20.2
29	25.3	23.1	24.0	27.3	24.1	25.5	26.3	23.3	24.7	18.7	15.8	17.3
30	25.2	23.1	23.8	25.7	24.1	24.8	27.1	24.2	25.5	18.7	15.0	16.7
31	---	---	---	26.1	23.3	24.3	27.2	24.6	25.9	---	---	---
MONTH	26.3	18.2	23.1	27.5	21.2	24.4	27.2	22.6	24.8	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15 DATUM 880.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19	9.6	13	---	---	---	14	7.1	9.6	74	24	28
2	20	9.3	12	---	---	---	13	7.1	9.2	28	18	22
3	18	8.1	11	---	---	---	15	7.3	9.1	33	18	20
4	31	9.1	12	---	---	---	14	6.5	8.6	22	14	17
5	18	7.5	10	---	---	---	164	8.4	18	20	14	16
6	18	8.4	11	---	---	---	24	12	15	18	12	14
7	895	11	24	---	---	---	18	9.4	11	18	11	13
8	23	11	14	33	18	22	18	8.8	10	59	11	15
9	22	11	14	24	14	17	15	7.0	9.0	160	13	16
10	33	12	16	19	11	14	268	7.4	10	53	12	20
11	29	10	15	658	12	108	170	26	36	32	12	17
12	38	9.0	15	199	66	81	36	18	22	20	11	14
13	887	21	30	98	44	57	175	18	37	50	11	17
14	26	11	18	51	30	40	34	18	25	24	12	16
15	760	11	117	38	24	30	23	15	18	19	11	14
16	196	74	105	147	29	76	26	13	17	19	11	14
17	107	50	61	57	28	35	21	11	14	21	9.9	13
18	57	37	43	51	20	26	20	9.5	12	16	9.2	11
19	75	24	29	35	17	20	153	8.8	12	18	8.5	9.9
20	44	19	25	33	15	17	211	21	34	18	8.1	10
21	32	15	20	28	14	17	24	15	20	16	8.5	11
22	22	13	16	---	---	---	22	12	15	35	11	15
23	21	13	15	---	---	---	18	9.5	13	17	7.9	11
24	20	12	15	---	---	---	991	12	121	14	7.6	9.2
25	28	10	15	---	---	---	138	71	87	19	6.7	8.6
26	33	11	15	---	---	---	90	56	71	14	6.3	9.3
27	20	10	13	15	9.6	11	85	39	53	17	6.9	8.9
28	872	11	15	19	9.8	12	49	35	40	15	6.9	9.2
29	294	33	52	18	8.9	11	35	26	30	122	7.3	11
30	38	20	26	13	9.1	11	30	22	25	935	48	111
31	38	18	22	---	---	---	50	20	22	51	27	33
MAX	895	74	117	---	---	---	991	71	121	935	48	111
MIN	18	7.5	10	---	---	---	13	6.5	8.6	14	6.3	8.6

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15 DATUM 880.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	33	22	26	36	24	29	72	18	24	407	14	19
2	26	15	21	32	20	26	36	17	22	1120	26	46
3	26	15	17	112	19	24	32	17	22	280	45	60
4	67	13	25	77	20	23	30	15	20	52	31	36
5	26	15	18	860	18	22	38	18	22	1060	23	33
6	97	13	16	>2200	132	276	67	14	20	1070	132	290
7	116	24	36	167	94	118	180	38	53	384	148	184
8	28	17	21	101	77	88	49	26	33	296	104	151
9	21	13	16	84	58	70	37	21	26	120	71	89
10	116	18	33	78	44	54	110	20	26	86	54	63
11	25	13	19	109	34	44	67	24	31	78	39	46
12	19	14	16	65	30	36	28	21	24	49	32	36
13	18	12	14	48	25	32	30	17	22	37	26	29
14	23	11	12	49	23	28	33	15	20	34	22	26
15	30	10	12	75	24	39	29	14	19	212	25	48
16	451	13	97	34	22	28	22	14	17	>1200	40	103
17	84	40	53	86	21	42	42	13	18	103	55	67
18	62	33	40	43	26	31	20	13	16	142	48	59
19	40	24	29	949	24	40	25	11	14	64	37	43
20	71	22	26	>2200	238	309	24	12	14	99	29	37
21	32	19	22	328	195	234	30	12	17	46	25	31
22	1070	20	140	285	130	166	21	15	17	>1200	33	---
23	128	74	94	155	102	120	21	14	17	---	61	---
24	78	54	65	112	71	83	22	14	16	70	47	55
25	61	42	49	81	50	63	310	16	71	98	36	44
26	53	36	44	64	42	52	58	27	33	98	27	34
27	86	42	48	49	32	39	31	20	25	42	24	30
28	44	32	38	147	29	33	28	17	21	35	22	26
29	---	---	---	37	25	30	27	17	20	40	19	23
30	---	---	---	37	25	30	31	15	20	31	17	22
31	---	---	---	60	21	25	---	---	---	28	16	19
MAX	1070	74	140	2200	238	309	310	38	71	---	148	---
MIN	18	10	12	32	18	22	20	11	14	---	14	---

> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NR LOGANVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 334917 LONGITUDE 0835633 NAD27 DRAINAGE AREA 8.15 CONTRIBUTING DRAINAGE AREA 8.15 DATUM 880.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	36	16	21	311	65	147	60	24	33	37	16	21
2	25	17	21	283	138	190	81	24	33	37	12	17
3	45	21	29	428	137	188	679	24	55	27	12	17
4	---	---	---	545	93	145	106	30	46	33	13	16
5	---	---	---	>1200	124	414	57	24	28	48	14	19
6	231	14	43	423	167	243	32	21	26	---	---	---
7	263	35	86	198	104	124	48	24	29	---	---	---
8	98	25	42	133	69	89	1160	24	32	49	14	17
9	55	20	25	102	63	78	417	66	86	22	13	16
10	26	17	20	81	43	54	111	55	66	28	12	16
11	40	15	20	69	40	46	217	40	56	22	13	15
12	238	15	22	61	30	38	70	34	42	20	13	15
13	73	18	29	1140	25	37	56	24	32	20	13	14
14	365	22	74	409	112	145	34	19	26	31	12	15
15	71	31	39	160	73	98	33	20	25	22	11	14
16	961	25	52	183	56	76	76	20	26	27	12	14
17	510	70	117	90	36	55	45	21	26	24	13	16
18	---	---	---	72	24	38	30	19	23	22	13	16
19	---	---	---	82	22	34	37	19	24	20	12	14
20	---	---	---	707	20	30	53	19	25	32	12	15
21	74	45	49	707	85	121	42	19	24	42	12	16
22	47	33	38	769	60	84	38	15	22	607	13	17
23	47	25	30	360	78	102	31	16	20	144	65	75
24	36	19	23	198	60	74	26	16	20	72	34	44
25	28	17	21	106	41	56	---	---	---	40	21	29
26	28	14	18	116	29	45	---	---	---	30	15	19
27	24	14	19	48	23	29	---	---	---	28	14	19
28	110	21	32	78	21	27	---	---	---	---	---	---
29	30	19	26	62	21	27	997	14	17	---	---	---
30	482	16	25	57	19	28	181	31	38	21	11	13
31	---	---	---	236	21	30	38	21	26	---	---	---
MAX	---	---	---	1200	167	414	---	---	---	---	---	---
MIN	---	---	---	48	19	27	---	---	---	---	---	---

> Actual value is known to be greater than the value shown

02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NEAR LOGANVILLE, GA

LOCATION.—Lat 33°49'17", long 83°56'33" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 0307103, at concrete box culvert on Beaver Road, 2.6 miles southwest of Loganville, and 3.4 miles upstream of Big Haynes Creek.

DRAINAGE AREA.—8.15 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 12, 1996 to current year.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory and Missouri District Water Quality Laboratory. Field values with analyzing agency code 1028 are median values of cross-section field data at the time of sample collection. Field determinations of discharge, specific conductance, pH, water temperature, air temperature, dissolved oxygen, and turbidity by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Hydro-logic condi-tion	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Tur-bidity, NTU (00076)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Hard-ness, water, unfltrd mg/L as CaCO3 (00900)
OCT													
10...	0945	--	9	9	81213	1.41	3.8	70	10	16	6.7	57	13
DEC													
10-11	1600	0927	A	J	81213	--	--	70	55	95	6.5	42	9
30...	1155	--	9	9	81213	1.72	40	50	10	18	6.0	40	9
FEB													
16-16	0710	1630	A	J	81213	--	--	300	55	190	6.7	10	8
20...	1220	--	9	9	81213	1.76	16	50	10	20	6.2	41	8
APR													
02...	1310	--	9	9	81213	1.70	14	50	10	29	6.5	40	9
25-25	1044	1050	A	J	81213	--	--	240	--	--	6.9	--	9
MAY													
15-16	0850	0620	A	J	81213	--	--	E60	55	230	6.5	42	8
JUN													
24...	1215	--	9	9	81213	1.76	16	70	10	20	6.5	44	11
JUL													
20-21	2317	0817	A	J	81213	--	--	100	55	300	6.3	41	9
29...	1100	--	9	9	81213	1.68	16	<5	10	22	7.0	48	10
SEP													
22-22	1545	2103	A	J	81213	--	--	160	55	330	5.4	40	6

02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NEAR LOGANVILLE, GA — continued.

Date	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Residue vola-tile, sus-pended, mg/L (00535)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, unfltrd mg/L (00600)
OCT													
10...	3.90	.86	.88	40	7	1	.30	.059	.18	.190	<.02	.05	.49
DEC													
10-11	2.40	.61	.81	38	119	18	.70	.045	.39	.380	.13	.12	1.1
30...	2.40	.61	.64	29	16	2	.40	.037	.38	.390	<.02	<.02	.79
FEB													
16-16	2.20	.51	.92	29	234	31	.70	.061	.35	.360	<.02	.13	1.1
20...	2.40	.59	.63	28	11	<1	.30	.045	.39	.390	<.02	.02	.69
APR													
02...	2.50	.65	.71	31	25	3	.40	.039	.31	.310	<.02	.04	.71
25-25	2.60	.60	.75	28	130	18	.90	.123	.30	.300	<.02	.09	1.2
MAY													
15-16	2.40	.57	1.10	33	257	38	1.2	.130	.24	.240	<.02	.20	1.4
JUN													
24...	3.00	.74	.76	41	15	9	.50	.069	.21	.220	<.02	.05	.72
JUL													
20-21	2.50	.57	1.00	57	700	94	1.2	A.047	.27	.270	<.02	.19	1.5
29...	3.00	.69	.72	35	15	9	.40	A.076	.27	.270	<.02	.04	.67
SEP													
22-22	1.70	.45	1.10	29	411	60	2.0	A.065	.33	.320	<.02	.28	2.3

Date	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Zinc, water, unfltrd recover-able, ug/L (01092)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sampler type, code (84164)
OCT												
10...	.7	11	<.5	<1	<2	2730	<2	568	4	--	8	3044
DEC												
10-11	2.4	9	<.5	<1	2	3500	3	292	15	47	222	4115
30...	.8	7	<.5	<1	<2	899	<2	141	6	--	11	3044
FEB												
16-16	2.5	11	<.5	1	2	4650	6	284	19	46	445	4115
20...	1.1	5	<.5	<1	<2	899	<2	120	6	--	13	3044
APR												
02...	2.1	8	<.5	<1	<2	1730	<2	183	6	--	34	3044
25-25	2.8	9	<.5	1	<2	3040	4	240	12	92	110	--
MAY												
15-16	3.7	21	<.5	2	3	5530	9	468	25	26	1010	4115
JUN												
24...	1.2	12	<.5	<1	<2	2090	<2	239	6	--	27	3044
JUL												
20-21	3.9	17	<.5	2	2	6570	11	535	28	72	453	4115
29...	1.7	10	<.5	<1	<2	2040	<2	202	5	--	24	3044
SEP												
22-22	5.6	25	<.5	2	4	12100	12	1290	42	21	909	4115

02207400 BRUSHY FORK CREEK AT BEAVER ROAD, NEAR LOGANVILLE, GA — continued.

Date	Time	Ending time	Hydrologic condition	Hydrologic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)
OCT													
10...	0950	--	A	9	1028	1.41	3.8	40	17	--	8.3	91	6.5
DEC													
11-11	1149	1151	A	J	1028	3.47	--	40	37	--	10.8	91	5.8
30...	1205	--	A	9	1028	1.72	40	40	26	--	10.0	84	5.5
FEB													
16-16	1320	1325	A	J	1028	4.36	102	40	220	--	10.3	90	6.7
20...	1230	--	A	9	1028	1.76	16	40	25	--	10.6	94	6.2
APR													
02...	1315	--	A	9	1028	1.70	14	40	31	--	9.0	93	6.2
25...	1045	--	A	J	1028	3.65	32	10	150	100	8.7	91	6.3
MAY													
15-15	1125	1135	A	J	1028	3.62	34	40	97	--	8.3	90	6.6
JUN													
24...	1240	--	9	9	1028	1.76	16	40	23	--	7.6	92	6.6
JUL													
21-21	1240	1250	5	J	1028	3.75	38	40	120	--	7.2	91	6.5
29...	1115	--	9	9	1028	1.68	16	40	130	--	7.2	92	6.5
SEP													
22-22	1659	1701	8	J	--	3.94	47	40	450	--	7.3	86	6.3

Date	Specif. conduct- ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Sampler type, code (84164)
OCT				
10...	56	18.0	18.7	--
DEC				
11-11	39	--	7.8	--
30...	40	--	7.4	--
FEB				
16-16	34	--	8.1	--
20...	41	18.5	9.6	--
APR				
02...	40	--	16.2	8000
25...	41	--	15.9	--
MAY				
15-15	39	--	18.2	8000
JUN				
24...	44	31.0	23.4	8000
JUL				
21-21	42	27.0	26.3	8000
29...	42	30.0	26.3	8000
SEP				
22-22	40	--	22.5	8000

Remark codes used in this report:
< -- Less than
> -- Greater than
A -- Average value
E -- Estimated value
S -- Most probable value

Value qualifier codes used in this report:
a -- Value was extrapolated above
f -- Sample field preparation problem
l -- Sample lab preparation problem
q -- Insufficient sample received

ALTAMAHA RIVER BASIN
2003 Water Year

02207412 BIG HAYNES CREEK AT GA 20, NEAR CONYERS, GA

LOCATION.—Lat 33°46'40", long 83°58'47" referenced to North American Datum (NAD) of 1927, Rockdale County, Hydrologic Unit 03070103,

DRAINAGE AREA.—33.2 square miles, approximately.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.—June 6, 2003 (invertebrates) and August 13, 2003 (fishes).

REMARKS.—Data collection protocols used are from draft versions of the Standard Operating Procedures: Freshwater Macroinvertebrate Biological Assessment (Georgia Environmental Protection Division, 2002) and Standard Operating Procedures for Conducting Biomonitoring on Fish Communities in the Piedmont Ecoregion of Georgia (Georgia Department of Natural Resources, 2000). William Pennington and Associates of Cookeville, Tennessee identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 500 meters. Fish abbreviations: TL-total length in millimeters, SL-standard length in millimeters. Weight is measured in grams.

Invertebrates

Taxa	Abundance Multi-habitat	Visual
MOLLUSCA		
Bivalvia		
Veneroida		
Corbiculidae		
Corbicula fluminea	0	2
Sphaeriidae		
Sphaerium sp.	2	1
ARTHROPODA		
Crustacea		
Decapoda		
Cambaridae		
Procambarus sp.	0	1
INSECTA		
Ephemeroptera		
Baetidae	5	0
Baetis sp.	33	2
Plauditus sp.	6	1
Pseudocloeon sp.	7	0
Heptageniidae		
Stenonema sp.	5	1
Odonata		
Aeshnidae		
Boyeria vinosa	0	2

02207412 BIG HAYNES CREEK AT GA 20, NEAR CONYERS, GA —continued.

Taxa	Abundance Multi-habitat	Visual
Gomphidae		
Progomphus obscurus	1	0
Plecoptera		
Perlidae		
Perlesta placida sp. gp.	1	1
Trichoptera		
Hydropsychidae	20	0
Ceratopsyche sp.	2	1
Cheumatopsyche sp.	23	4
Hydropsyche sp.	12	6
Hydropsyche betteni gp.	14	18
Psychomyiidae		
Lype diversa	1	0
Coleoptera		
Elmidae		
Ancyronyx variegata	4	0
Macronychus glabratus	3	0
Stenelmis sp.	2	0
Staphylinidae	1	0
Diptera		
Ceratopogonidae	1	0
Chironomidae	3	0
Brillia flavifrons	4	0
Cardiocladius obscurus	13	1
Eukiefferiella claripennis gp.	3	0
Orthocladius sp.	2	0
Parametriocnemus sp.	1	0
Polypedilum flavum	16	0
Polypedilum illinoense	8	0
Rheotanytarsus sp.	5	1
Tvetenia bavarica gp.	1	1
Simuliidae		
Simulium sp.	360	13

Fishes

Species	Common name	Count	TL	SL	Weight
Ameiurus brunneus	snail bullhead	1	23	19	0.2
Ameiurus brunneus	snail bullhead	1	25	20	0.2
Ameiurus brunneus	snail bullhead	1	25	21	0.2
Ameiurus brunneus	snail bullhead	1	25	20	0.2
Ameiurus brunneus	snail bullhead	1	26	21	0.4
Ameiurus brunneus	snail bullhead	1	28	23	0.3
Ameiurus brunneus	snail bullhead	1	82	70	8.0
Ameiurus brunneus	snail bullhead	1	90	80	10.0
Ameiurus brunneus	snail bullhead	1	110	95	16.0
Ameiurus brunneus	snail bullhead	1	120	112	22.0
Ameiurus brunneus	snail bullhead	1	120	100	22.0
Ameiurus brunneus	snail bullhead	1	122	110	26.0

02207412 BIG HAYNES CREEK AT GA 20, NEAR CONYERS, GA —continued.

Species	Common name	Count	TL	SL	Weight
Ameiurus brunneus	snail bullhead	1	128	115	24.0
Ameiurus brunneus	snail bullhead	1	142	123	36.0
Ameiurus brunneus	snail bullhead	1	145	127	38.0
Ameiurus brunneus	snail bullhead	1	145	122	34.0
Ameiurus brunneus	snail bullhead	1	150	128	40.8
Ameiurus brunneus	snail bullhead	1	157	138	50.0
Ameiurus brunneus	snail bullhead	1	157	133	64.0
Ameiurus brunneus	snail bullhead	1	160	148	60.0
Ameiurus brunneus	snail bullhead	1	162	145	56.0
Ameiurus brunneus	snail bullhead	1	165	140	50.0
Ameiurus brunneus	snail bullhead	1	167	145	70.0
Ameiurus brunneus	snail bullhead	1	175	150	78.0
Ameiurus brunneus	snail bullhead	1	175	147	76.0
Ameiurus brunneus	snail bullhead	1	180	155	82.0
Ameiurus brunneus	snail bullhead	1	183	157	67.0
Ameiurus brunneus	snail bullhead	1	205	175	120.0
Ameiurus brunneus	snail bullhead	1	220	200	182.0
Ameiurus brunneus	snail bullhead	1	245	215	209.4
Cyprinella xaenura	Altamaha shiner	1	70	56	3.4
Cyprinella xaenura	Altamaha shiner	1	70	59	4.0
Cyprinella xaenura	Altamaha shiner	1	70	56	4.0
Cyprinella xaenura	Altamaha shiner	1	70	58	4.0
Cyprinella xaenura	Altamaha shiner	1	72	60	4.0
Cyprinella xaenura	Altamaha shiner	1	73	60	4.2
Cyprinella xaenura	Altamaha shiner	1	74	60	4.0
Cyprinella xaenura	Altamaha shiner	1	75	60	4.1
Cyprinella xaenura	Altamaha shiner	1	75	61	4.5
Cyprinella xaenura	Altamaha shiner	1	75	64	6.0
Cyprinella xaenura	Altamaha shiner	1	75	63	6.0
Cyprinella xaenura	Altamaha shiner	1	77	63	4.9
Cyprinella xaenura	Altamaha shiner	1	77	63	4.0
Cyprinella xaenura	Altamaha shiner	1	77	65	6.0
Cyprinella xaenura	Altamaha shiner	1	77	65	6.0
Cyprinella xaenura	Altamaha shiner	1	78	65	5.4
Cyprinella xaenura	Altamaha shiner	1	79	65	5.9
Cyprinella xaenura	Altamaha shiner	1	80	65	6.0
Cyprinella xaenura	Altamaha shiner	1	81	68	6.3
Cyprinella xaenura	Altamaha shiner	1	83	69	6.3
Cyprinella xaenura	Altamaha shiner	1	83	69	5.5
Cyprinella xaenura	Altamaha shiner	1	84	68	6.4
Cyprinella xaenura	Altamaha shiner	1	85	70	6.1
Cyprinella xaenura	Altamaha shiner	1	85	70	5.8
Cyprinella xaenura	Altamaha shiner	1	85	70	6.9
Cyprinella xaenura	Altamaha shiner	1	85	70	6.0
Cyprinella xaenura	Altamaha shiner	1	87	74	6.0
Cyprinella xaenura	Altamaha shiner	1	88	74	7.5
Cyprinella xaenura	Altamaha shiner	1	89	78	7.8
Cyprinella xaenura	Altamaha shiner	1	89	74	8.14
Cyprinella xaenura	Altamaha shiner	1	89	74	8.0
Cyprinella xaenura	Altamaha shiner	1	90	73	8.4
Cyprinella xaenura	Altamaha shiner	1	90	75	8.7
Cyprinella xaenura	Altamaha shiner	1	90	73	7.7

02207412 BIG HAYNES CREEK AT GA 20, NEAR CONYERS, GA —continued.

Species	Common name	Count	TL	SL	Weight
Cyprinella xaenura	Altamaha shiner	1	90	75	8.8
Cyprinella xaenura	Altamaha shiner	1	90	75	10.0
Cyprinella xaenura	Altamaha shiner	1	91	80	8.9
Cyprinella xaenura	Altamaha shiner	1	91	76	10.0
Cyprinella xaenura	Altamaha shiner	1	93	75	8.6
Cyprinella xaenura	Altamaha shiner	1	95	80	10.0
Cyprinella xaenura	Altamaha shiner	1	95	78	10.0
Cyprinella xaenura	Altamaha shiner	1	95	80	10.0
Cyprinella xaenura	Altamaha shiner	1	96	81	8.0
Cyprinella xaenura	Altamaha shiner	1	100	83	11.9
Cyprinella xaenura	Altamaha shiner	1	100	84	10.6
Cyprinella xaenura	Altamaha shiner	1	100	85	12.0
Cyprinella xaenura	Altamaha shiner	1	107	90	16.0
Cyprinella xaenura	Altamaha shiner	1	109	89	13.7
Cyprinella xaenura	Altamaha shiner	1	109	90	14.0
Cyprinella xaenura	Altamaha shiner	1	110	90	17.2
Cyprinella xaenura	Altamaha shiner	1	110	91	13.8
Cyprinella xaenura	Altamaha shiner	1	110	90	9.5
Cyprinella xaenura	Altamaha shiner	1	110	90	14.0
Cyprinella xaenura	Altamaha shiner	1	111	94	16.0
Cyprinella xaenura	Altamaha shiner	1	115	95	18.6
Cyprinella xaenura	Altamaha shiner	1	115	95	16.0
Cyprinella xaenura	Altamaha shiner	1	115	96	16.0
Cyprinella xaenura	Altamaha shiner	1	116	96	17.1
Cyprinella xaenura	Altamaha shiner	1	116	95	18.0
Cyprinella xaenura	Altamaha shiner	1	116	98	16.0
Cyprinella xaenura	Altamaha shiner	1	117	98	16.0
Cyprinella xaenura	Altamaha shiner	1	118	98	19.7
Cyprinella xaenura	Altamaha shiner	1	119	100	16.0
Cyprinella xaenura	Altamaha shiner	1	120	99	18.0
Cyprinella xaenura	Altamaha shiner	1	120	99	16.4
Cyprinella xaenura	Altamaha shiner	1	120	99	21.1
Cyprinella xaenura	Altamaha shiner	1	120	98	18.0
Cyprinella xaenura	Altamaha shiner	1	124	102	20.0
Cyprinella xaenura	Altamaha shiner	19	NA	NA	187.5
Etheostoma inscriptum	turquoise darter	1	58	49	2.1
Etheostoma inscriptum	turquoise darter	1	62	54	4.0
Etheostoma inscriptum	turquoise darter	1	65	55	4.0
Etheostoma inscriptum	turquoise darter	1	67	57	3.9
Etheostoma inscriptum	turquoise darter	1	71	60	4.4
Etheostoma inscriptum	turquoise darter	1	72	60	4.0
Gambusia holbrooki	eastern mosquitofish	1	29	23	0.2
Gambusia holbrooki	eastern mosquitofish	1	29	23	0.2
Gambusia holbrooki	eastern mosquitofish	1	31	24	0.4
Gambusia holbrooki	eastern mosquitofish	1	33	26	0.5
Gambusia holbrooki	eastern mosquitofish	1	40	32	1.1
Gambusia holbrooki	eastern mosquitofish	1	46	37	1.6
Gambusia holbrooki	eastern mosquitofish	1	46	37	1.5
Ictalurus punctatus	channel catfish	1	65	52	2.5
Lepomis auritus	redbreast sunfish	1	32	26	0.5
Lepomis auritus	redbreast sunfish	1	85	70	12.0
Lepomis auritus	redbreast sunfish	1	95	77	16.0

02207412 BIG HAYNES CREEK AT GA 20, NEAR CONYERS, GA —continued.

Species	Common name	Count	TL	SL	Weight
Lepomis auritus	redbreast sunfish	1	98	80	14.0
Lepomis auritus	redbreast sunfish	1	99	80	18.0
Lepomis auritus	redbreast sunfish	1	105	90	22.0
Lepomis auritus	redbreast sunfish	1	105	85	18.0
Lepomis auritus	redbreast sunfish	1	110	90	20.0
Lepomis auritus	redbreast sunfish	1	135	110	38.0
Lepomis auritus	redbreast sunfish	1	137	110	40.0
Lepomis auritus	redbreast sunfish	1	140	115	52.0
Lepomis auritus	redbreast sunfish	1	145	117	50.0
Lepomis auritus	redbreast sunfish	1	150	120	48.0
Lepomis macrochirus	bluegill sunfish	1	26	21	0.3
Lepomis macrochirus	bluegill sunfish	1	34	26	0.6
Lepomis macrochirus	bluegill sunfish	1	34	26	0.6
Lepomis macrochirus	bluegill sunfish	1	37	29	0.8
Lepomis macrochirus	bluegill sunfish	1	39	30	0.9
Lepomis macrochirus	bluegill sunfish	1	60	48	4.0
Lepomis macrochirus	bluegill sunfish	1	65	50	4.0
Lepomis macrochirus	bluegill sunfish	1	66	50	4.0
Lepomis macrochirus	bluegill sunfish	1	75	57	8.0
Lepomis macrochirus	bluegill sunfish	1	75	58	6.0
Lepomis macrochirus	bluegill sunfish	1	76	60	8.0
Lepomis macrochirus	bluegill sunfish	1	85	65	10.0
Lepomis macrochirus	bluegill sunfish	1	93	77	14.0
Lepomis macrochirus	bluegill sunfish	1	100	78	18.0
Lepomis macrochirus	bluegill sunfish	1	105	85	20.0
Lepomis macrochirus	bluegill sunfish	1	105	84	18.0
Lepomis macrochirus	bluegill sunfish	1	115	92	20.0
Micropterus salmoides	largemouth bass	1	40	32	0.8
Nocomis leptocephalus	bluehead chub	1	80	65	8.0
Nocomis leptocephalus	bluehead chub	1	85	70	8.0
Nocomis leptocephalus	bluehead chub	1	90	77	10.0
Nocomis leptocephalus	bluehead chub	1	90	77	10.0
Nocomis leptocephalus	bluehead chub	1	90	75	8.0
Nocomis leptocephalus	bluehead chub	1	90	74	10.0
Nocomis leptocephalus	bluehead chub	1	95	79	12.0
Nocomis leptocephalus	bluehead chub	1	95	80	10.0
Nocomis leptocephalus	bluehead chub	1	95	80	10.0
Nocomis leptocephalus	bluehead chub	1	95	79	12.0
Nocomis leptocephalus	bluehead chub	1	105	90	16.0
Nocomis leptocephalus	bluehead chub	1	105	88	14.0
Nocomis leptocephalus	bluehead chub	1	107	87	16.0
Nocomis leptocephalus	bluehead chub	1	110	92	16.0
Nocomis leptocephalus	bluehead chub	1	110	94	16.0
Nocomis leptocephalus	bluehead chub	1	111	87	14.0
Nocomis leptocephalus	bluehead chub	1	112	87	12.0
Nocomis leptocephalus	bluehead chub	1	112	94	16.0
Nocomis leptocephalus	bluehead chub	1	113	96	16.0
Nocomis leptocephalus	bluehead chub	1	120	100	22.0
Nocomis leptocephalus	bluehead chub	1	122	105	18.0
Nocomis leptocephalus	bluehead chub	1	140	120	32.0
Nocomis leptocephalus	bluehead chub	1	145	128	40.0
Nocomis leptocephalus	bluehead chub	1	196	168	90.0

02207412 BIG HAYNES CREEK AT GA 20, NEAR CONYERS, GA —continued.

Species	Common name	Count	TL	SL	Weight
Nocomis leptocephalus	bluehead chub	61	NA	NA	1157.3
Notropis hudsonius	spottail shiner	1	116	96	15.6
Notropis hudsonius	spottail shiner	1	116	95	14.0
Notropis hudsonius	spottail shiner	1	117	97	13.3
Notropis hudsonius	spottail shiner	1	118	97	16.4
Scartomyzon rupiscartes	striped jumprock	1	147	127	40.0

ALTAMAHA RIVER BASIN
2003 Water Year

02207414 RANDY POYNTER LAKE AT SPILLWAY, NEAR MILSTEAD, GA

LOCATION.—Lat 33°43'44", long 83°56'11" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit Code 03070103, on east side of channel upstream of Jack Turner Dam, up on gated Rockdale County gravel maintenance road, 0.8 miles west of GA 138, and 8.8 miles northeast of Conyers.

DRAINAGE AREA.—43.32 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—December 3, 2002 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses of biological oxygen demand are by the U.S. Geological Survey, Ocala Water-Quality and Resource Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Lake or reservoir elevation, NGVD, feet (62614)	Turbidity, water, unfltrd field, NTU (61028)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Specif. conduc-tance, wat unf lab, uS/cm 25 degC (90095)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, percent of sat-uration (00301)	Dis-solved oxygen, mg/L (00300)	Temper-ature, water, deg C (00010)
DEC													
03...	1050	80020	734.30	8.3	7.2	6.1	7.7	54	58	750	46	5.0	10.8
JAN													
14...	1140	80020	734.50	8.3	7.3	6.9	6.7	48	52	749	96	11.2	7.5
23...	1200	80020	734.40	5.7	--	6.7	--	48	--	749	235	28.2	6.8
FEB													
26...	1125	80020	735.10	17	--	7.0	--	46	--	747	104	11.5	10.2
APR													
02...	0945	80020	734.70	7.0	15	5.7	7.4	45	45	752	67	7.6	9.4
29...	0855	80020	734.60	6.2	--	5.9	7.7	44	44	747	44	4.8	10.6
MAY													
27...	1235	80020	734.50	6.8	15	6.2	7.8	49	42	744	20	2.2	10.5
JUN													
10...	1010	80020	734.30	5.6	7.0	6.4	6.9	41	44	745	49	4.4	19.1
JUL													
14...	1220	80020	734.35	12	13	6.4	6.3	49	40	752	11	1.1	14.5
AUG													
21...	0900	80020	733.30	3.1	6.3	6.8	7.0	59	43	749	43	4.3	14.2
SEP													
11...	0900	80020	731.60	7.6	6.0	6.5	7.4	67	E2	748	7	.7	14.7

02207414 RANDY POYNTER LAKE AT SPILLWAY, NEAR MILSTEAD, GA—continued.

Date	Temperature, air, deg C (00020)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, fltrd, mg/L (71846)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)
DEC													
03...	--	.67	.371	.48	.190	.30	<.007	.012	.86	4.4	1.5	<1	E1.4
JAN													
14...	--	.45	.155	.20	.347	.29	<.007	.017	.79	3.9	.9	--	2.5
23...	--	--	--	--	--	--	--	--	--	4.0	--	4k	--
FEB													
26...	10.7	--	--	--	--	--	--	--	--	3.6	--	26k	E8.7
APR													
02...	15.6	.32	.049	.06	.418	.27	<.007	.024	.74	4.2	1.6	7k	E2.4
29...	23.9	--	--	--	--	--	--	--	--	--	1.1	2k	E2.4
MAY													
27...	28.2	.41	.085	.11	.283	.33	<.007	.028	.69	4.9	1.8	11	3.4
JUN													
10...	28.2	.45	.113	.15	.230	.34	<.007	.019	.68	4.1	1.3	13	1.3
JUL													
14...	30.7	.52	.150	.19	.119	.37	<.007	.025	.64	4.9	1.7	3k	.6
AUG													
21...	27.8	.49	.151	.19	.052	.34	<.007	.018	.55	4.4	1.6	10	E5.6
SEP													
11...	20.9	.52	.211	.27	.024	.31	<.007	.015	.55	4.5	1.4	E1	E3.2

Date	Chlorophyll b phytoplankton, fluoro, ug/L (70954)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Sampler type, code (84164)	Sampling method, code (82398)
DEC									
03...	<.1	11	3.08	.746	E.7	.12	8	3060	30
JAN									
14...	<.1	10	2.71	.723	<1.2	E.06	2	3060	30
23...	--	--	--	--	--	--	--	3060	30
FEB									
26...	<.1	--	--	--	--	--	--	3070	70
APR									
02...	<.1	8	2.20	.632	<1.2	.14	3	3060	30
29...	<.1	9	2.49	.676	E.8	E.08	2	3060	30
MAY									
27...	<.1	10	2.82	.741	<1.2	.11	4	3060	30
JUN									
10...	<.1	13	3.56	.929	<1.2	.08	6	3060	30
JUL									
14...	<.1	9	2.66	.680	<1.2	.13	3	3060	30
AUG									
21...	<.1	11	2.95	.764	<1.2	.09	2	3060	30
SEP									
11...	<.1	11	3.22	.811	.3	.08	Mn	3060	30

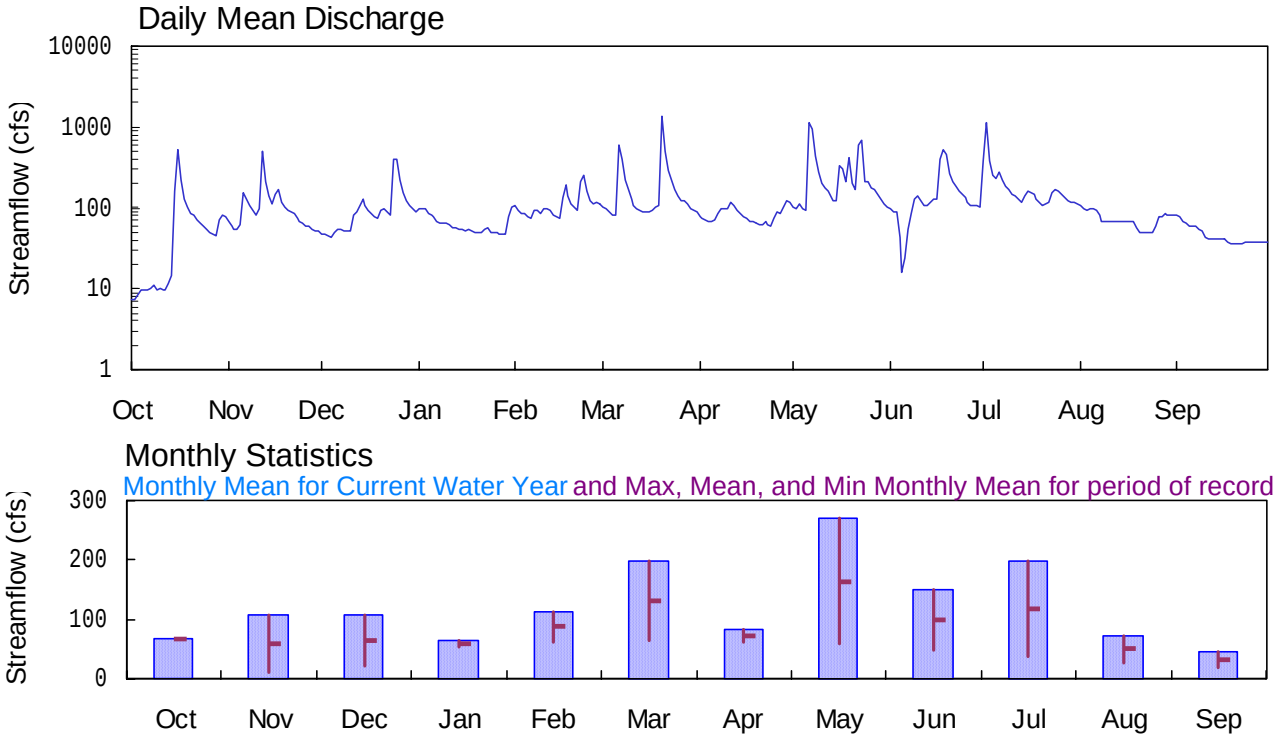
Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
c -- See laboratory comment
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
m -- Highly var comp using method, ? prec
n -- Below the NDV
o -- Result determined by alternate method
t -- Below the long-term MDL

2003 Water Year

02207418 BIG HAYNES CREEK AT JACK TURNER DAM,NR MILSTEAD GA

Latitude: 33°43'10" Longitude: 083°56'05" Hydrologic Unit Code: 03070103 Rockdale County
Drainage Area: 46.3 mi^2 Datum: 670.0 feet



ALTAMAHA RIVER BASIN
2003 Water Year

02207418 BIG HAYNES CREEK AT JACK TURNER DAM, NEAR MILSTEAD, GA

LOCATION.—Lat 33°43'10", long 83°56'05" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, on right bank of west channel, 100.00 feet downstream of Jack Turner dam, 1.7 miles north of GA 138, 3.5 miles east of GA 20, 4.9 miles west of Walnut Grove, on Rockdale County gated gravel maintenance road.

DRAINAGE AREA.—46.3 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 12, 2001 to current year.

GAGE.—Satellite telemetry with water-stage recorder. Datum of gage 670.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except those for periods of estimated daily discharge, which are fair. Flow is regulated by Jack Turner Dam.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 12, 2001 to current year.

GAGE.—Satellite telemetry with water-stage recorder. Datum of gage 670.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good. Flow is regulated by Jack Turner Dam.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.85 feet, March 20; minimum gage-height recorded, 1.93 feet, October 1-3.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 12, 2001 to current year.

GAGE.—Tipping-bucket rain gage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207418 BIG HAYNES CREEK AT JACK TURNER DAM,NR MILSTEAD GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334310 LONGITUDE 0835605 NAD83 DRAINAGE AREA 46.3 CONTRIBUTING DRAINAGE AREA 46.3* DATUM 670.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	68	48	97	106	103	77	102	96	386	107	82
2	7.4	60	46	98	94	99	74	e100	91	1120	96	76
3	8.6	55	45	99	86	89	71	e110	89	382	95	67
4	9.7	55	43	86	83	83	68	e100	43	259	96	64
5	9.7	63	50	80	78	81	69	e95	16	226	96	59
6	9.7	155	54	78	75	603	71	e1150	24	278	95	59
7	e10	130	54	69	92	394	86	935	55	220	83	58
8	e11	106	52	66	91	224	99	442	86	189	67	53
9	9.8	92	51	65	87	166	98	272	130	166	67	51
10	9.9	83	51	64	97	131	99	202	142	149	67	44
11	9.8	e100	83	61	96	109	116	174	121	139	67	41
12	9.8	e500	91	58	93	99	105	158	108	127	67	40
13	11	212	106	56	83	94	94	137	107	117	67	41
14	14	139	128	55	78	90	86	121	118	140	67	41
15	161	111	107	53	74	90	79	123	130	160	67	40
16	520	145	95	52	132	91	73	e330	129	153	67	40
17	217	172	86	54	194	92	69	e300	406	144	67	38
18	128	117	78	52	140	101	68	e210	524	130	67	37
19	101	104	73	51	113	109	65	e410	460	118	56	36
20	87	94	93	50	102	1360	62	e200	265	108	49	36
21	e80	88	96	49	94	501	63	e165	209	113	49	36
22	e70	87	90	54	214	294	67	e590	185	120	49	37
23	e65	73	83	58	250	218	62	e680	164	151	49	38
24	e60	68	398	50	158	171	59	e215	148	167	48	38
25	e55	64	398	49	124	138	74	e210	132	161	58	38
26	50	61	218	49	110	e125	90	e180	119	146	76	38
27	47	58	157	47	116	e120	85	e165	109	134	79	38
28	e45	55	123	46	111	e110	102	e145	108	124	84	38
29	70	53	106	48	---	e100	124	126	109	118	83	38
30	82	51	97	77	---	e95	117	113	104	115	83	38
31	76	---	90	104	---	e90	---	104	---	114	83	---
TOTAL	2051.9	3219	3290	1975	3171	6170	2472	8364	4527	6174	2251	1380
MEAN	66.2	107	106	63.7	113	199	82.4	270	151	199	72.6	46.0
MAX	520	500	398	104	250	1360	124	1150	524	1120	107	82
MIN	7.4	51	43	46	74	81	59	95	16	108	48	36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	66.2	58.7	63.9	58.9	87.2	132	72.0	164	99.6	119	49.9	32.4
MAX	66.2	107	106	63.7	113	199	82.4	270	151	199	72.6	46.0
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	66.2	10.2	21.6	54.0	61.1	64.3	61.5	57.9	48.3	38.7	27.3	18.8
(WY)	2003	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	21640.7		45044.9			
ANNUAL MEAN	59.3		123		123	
HIGHEST ANNUAL MEAN					123	2003
LOWEST ANNUAL MEAN					123	2003
HIGHEST DAILY MEAN	520	Oct 16	1360	Mar 20	1360	Mar 20 2003
LOWEST DAILY MEAN	6.7	Sep 20	7.4	Oct 2	6.7	Sep 20 2002
ANNUAL SEVEN-DAY MINIMUM	7.6	Sep 26	8.9	Oct 1	7.6	Sep 26 2002
MAXIMUM PEAK FLOW			1820	Mar 20	1820	Mar 20 2003
MAXIMUM PEAK STAGE			6.85	Mar 20	6.85	Mar 20 2003
10 PERCENT EXCEEDS	106		213		213	
50 PERCENT EXCEEDS	45		91		91	
90 PERCENT EXCEEDS	23		42		42	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207418 BIG HAYNES CREEK AT JACK TURNER DAM,NR MILSTEAD GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334310 LONGITUDE 0835605 NAD83 DRAINAGE AREA 46.3 CONTRIBUTING DRAINAGE AREA 46.3* DATUM 670.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.94	2.65	2.48	2.86	2.91	2.89	2.71	2.89	2.85	3.72	2.91	2.74
2	1.94	2.59	2.46	2.86	2.84	2.87	2.69	---	2.82	5.66	2.84	2.70
3	1.97	2.54	2.44	2.87	2.78	2.80	2.67	---	2.81	4.03	2.84	2.63
4	1.99	2.54	2.43	2.78	2.77	2.76	2.64	---	2.33	3.62	2.84	2.60
5	1.99	2.61	2.49	2.74	2.72	2.74	2.65	---	2.09	3.49	2.84	2.55
6	1.99	3.17	2.53	2.73	2.70	4.48	2.67	---	2.21	3.69	2.83	2.55
7	---	3.05	2.53	2.65	2.83	4.06	2.78	5.31	2.53	3.47	2.75	2.55
8	---	2.91	2.51	2.63	2.82	3.48	2.87	4.22	2.79	3.33	2.62	2.50
9	1.99	2.83	2.50	2.62	2.79	3.23	2.86	3.67	3.03	3.23	2.62	2.48
10	2.00	2.76	2.50	2.62	2.85	3.05	2.87	3.39	3.11	3.15	2.63	2.42
11	1.99	---	2.76	2.59	2.85	2.93	2.97	3.27	3.00	3.10	2.63	2.38
12	1.99	---	2.82	2.56	2.83	2.87	2.91	3.19	2.93	3.03	2.63	2.38
13	2.02	3.43	2.91	2.55	2.76	2.84	2.84	3.09	2.92	2.98	2.63	2.39
14	2.07	3.09	3.04	2.53	2.72	2.81	2.78	3.00	2.98	3.10	2.63	2.39
15	2.91	2.94	2.92	2.52	2.69	2.81	2.73	3.01	3.05	3.20	2.63	2.38
16	4.41	3.12	2.85	2.51	3.02	2.82	2.69	---	3.05	3.17	2.63	2.38
17	3.45	3.25	2.78	2.53	3.35	2.83	2.66	---	4.05	3.13	2.63	2.35
18	3.04	2.98	2.73	2.51	3.10	2.88	2.65	---	4.41	3.05	2.63	2.33
19	2.88	2.90	2.69	2.50	2.95	2.93	2.62	---	4.26	2.98	2.53	2.33
20	2.79	2.84	2.83	2.49	2.89	6.07	2.60	---	3.64	2.92	2.46	2.33
21	---	2.80	2.85	2.48	2.84	4.37	2.61	---	3.42	2.96	2.46	2.33
22	---	2.79	2.81	2.53	3.37	3.74	2.64	---	3.32	2.99	2.46	2.34
23	---	2.69	2.76	2.56	3.58	3.46	2.60	---	3.22	3.16	2.46	2.34
24	---	2.65	3.88	2.49	3.19	3.25	2.57	---	3.14	3.24	2.46	2.35
25	---	2.62	4.08	2.49	3.01	3.09	2.69	---	3.06	3.21	2.54	2.35
26	2.49	2.59	3.46	2.48	2.94	---	2.81	---	2.99	3.14	2.70	2.35
27	2.46	2.57	3.19	2.47	2.97	---	2.78	---	2.93	3.07	2.72	2.35
28	---	2.54	3.01	2.46	2.94	---	2.88	---	2.92	3.02	2.76	2.35
29	2.66	2.52	2.91	2.47	---	---	3.02	3.03	2.93	2.98	2.75	2.35
30	2.76	2.50	2.86	2.71	---	---	2.98	2.96	2.90	2.97	2.75	2.35
31	2.71	---	2.81	2.90	---	---	---	2.90	---	2.96	2.75	---
MEAN	---	---	2.83	2.60	2.93	---	2.75	---	3.06	3.28	2.66	2.43
MAX	---	---	4.08	2.90	3.58	---	3.02	---	4.41	5.66	2.91	2.74
MIN	---	---	2.43	2.46	2.69	---	2.57	---	2.09	2.92	2.46	2.33

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207418 BIG HAYNES CREEK AT JACK TURNER DAM,NR MILSTEAD GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334310 LONGITUDE 0835605 NAD83 DRAINAGE AREA 46.3 CONTRIBUTING DRAINAGE AREA 46.3* DATUM 670.00 NGVD29

APPROVED

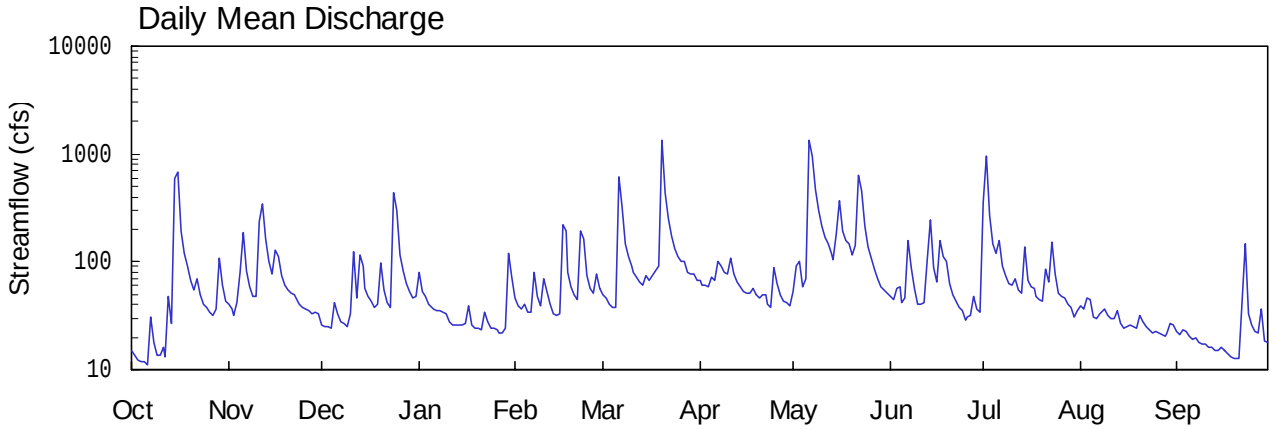
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

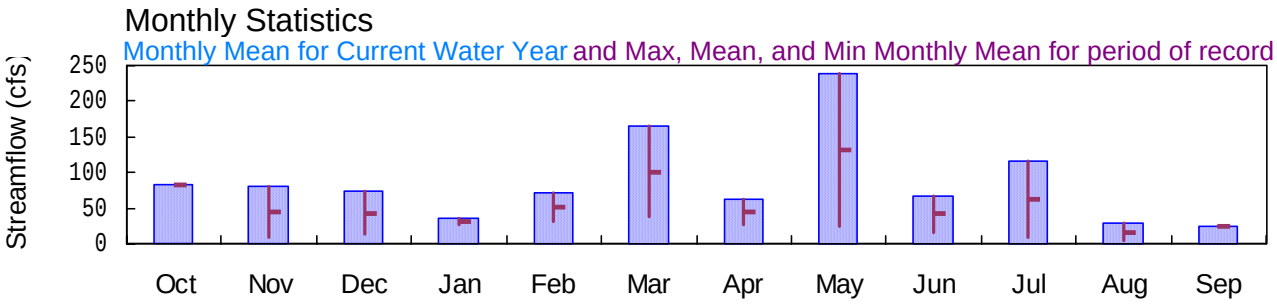
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.16	0.00	0.02	0.00	0.26	0.00	4.37	0.01	0.00
2	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.02	0.00	0.03	0.00	0.00
3	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.50	0.00
4	0.09	0.11	0.03	0.00	0.27	0.02	0.01	0.00	0.18	0.00	0.00	0.00
5	0.00	1.30	0.52	0.00	0.00	0.99	0.35	2.91	0.00	0.92	0.05	0.00
6	0.01	0.00	0.00	0.00	0.65	1.45	0.18	2.28	0.68	0.00	0.03	0.00
7	1.39	0.00	0.00	0.00	0.06	0.07	0.59	0.35	0.98	0.01	0.04	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.01	0.00	0.05	0.01	0.00
9	0.00	0.04	0.00	0.04	0.02	0.03	0.07	0.00	0.00	0.00	0.00	0.00
10	0.02	0.01	1.03	0.00	0.49	0.01	0.63	0.00	0.00	0.25	0.01	0.00
11	0.00	0.18	0.01	0.00	0.00	0.00	0.00	0.18	0.05	0.01	0.02	0.00
12	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.01	0.71	0.00	0.00	0.00
13	0.47	0.00	0.73	0.00	0.00	0.00	0.00	0.00	0.97	0.11	0.00	0.00
14	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.05	0.00	0.00	0.00
15	3.61	0.06	0.00	0.00	0.00	0.42	0.00	1.11	0.00	0.00	0.00	0.00
16	0.02	0.80	0.00	0.15	1.66	0.00	0.05	---	0.48	0.34	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.52	0.72	---	0.26	0.00	0.00	---
18	0.00	0.00	0.00	0.00	0.00	0.03	0.00	---	0.43	0.00	0.00	0.00
19	0.00	0.02	0.65	0.00	0.00	2.08	0.00	---	0.25	0.00	0.00	---
20	0.47	0.01	0.11	0.00	0.00	0.71	0.00	---	0.00	0.11	0.00	---
21	0.00	0.03	0.00	0.07	0.16	0.00	0.20	---	0.00	0.00	0.00	---
22	0.00	0.00	0.00	0.43	1.11	0.00	0.00	---	0.00	0.23	0.00	0.00
23	0.01	0.00	0.04	0.00	0.00	0.00	0.00	---	0.00	1.44	0.00	0.00
24	---	0.00	1.84	0.00	0.00	0.00	0.14	---	0.00	0.00	0.00	0.00
25	---	0.00	0.02	0.00	0.00	0.00	0.84	---	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.29	0.21	0.00	---	0.00	0.16	0.00	0.00
27	0.00	0.00	0.00	0.00	0.17	0.00	0.00	---	0.70	0.00	0.00	0.00
28	0.91	0.00	0.00	0.00	0.00	0.00	0.00	---	0.56	0.00	0.00	0.00
29	0.30	0.00	0.00	0.63	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.47	---	0.24	0.00	0.00	0.08	0.01	0.00	0.00
31	0.00	---	0.41	0.00	---	0.00	---	0.00	---	0.21	0.00	---
TOTAL	---	2.82	5.39	2.01	4.89	6.82	3.85	---	6.62	8.25	0.67	---

2003 Water Year

02207435 LITTLE HAYNES CREEK AT DIAL MILL RD NR MILSTEAD GA

Latitude: 33°42'40" Longitude: 083°54'52" Hydrologic Unit Code: 03070103 Rockdale County
Drainage Area: 25.1 mi^2 Datum: 650.0 feet





ALTAMAHA RIVER BASIN
2003 Water Year

02207435 LITTLE HAYNES CREEK AT DIAL MILL ROAD, NEAR MILSTEAD, GA

LOCATION.—Lat 33°42'40", long 83°54'52" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, on right bank on downstream side of bridge on Dial Mill Road, 0.1 miles north west of Hightower Trail Road, 0.7 miles south of GA 138, 0.6 miles west of Mount Zion Road, and 0.6 miles east of confluence with Big Haynes Creek.

DRAINAGE AREA.—25.1 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 16, 2001 to current year.

GAGE.—Satellite telemetry with water-stage recorder. Datum of gage 650.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except those for periods of estimated daily discharge, which are fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 16, 2001 to current year.

GAGE.—Satellite telemetry with water-stage recorder. Datum of gage 650.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.69 feet, March 20; minimum gage-height recorded, 3.98 feet, October 6-7.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 15, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207435 LITTLE HAYNES CREEK AT DIAL MILL RD NR MILSTEAD GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334240 LONGITUDE 0835452 NAD83 DRAINAGE AREA 25.1 CONTRIBUTING DRAINAGE AREA 25.1* DATUM 650.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	40	26	81	47	49	67	53	48	360	39	22
2	13	36	25	54	39	46	60	92	45	966	36	21
3	12	32	25	47	36	41	60	101	57	268	46	24
4	12	42	24	41	40	38	59	59	59	148	44	22
5	12	80	42	38	35	38	72	71	42	120	31	20
6	11	185	33	37	34	618	68	1340	46	159	30	19
7	31	82	28	35	80	321	101	952	155	91	33	20
8	18	58	27	35	47	145	90	461	88	74	34	e18
9	14	49	25	34	39	111	78	301	57	64	37	e17
10	13	47	33	33	70	91	78	213	41	61	32	e17
11	16	234	126	27	52	80	109	167	40	69	30	e16
12	13	346	46	26	40	72	77	148	42	56	29	16
13	48	163	118	26	33	65	64	119	105	52	35	15
14	27	100	90	26	32	61	58	106	241	137	27	15
15	601	78	57	26	33	73	53	182	87	67	24	16
16	686	128	48	27	220	68	51	371	65	59	25	15
17	193	114	43	39	195	75	51	194	158	57	26	14
18	121	75	37	26	80	81	57	158	112	49	25	13
19	91	60	41	24	59	91	50	149	102	45	24	13
20	66	55	97	24	49	1330	46	117	64	44	32	13
21	e54	51	54	23	45	436	49	144	49	86	28	13
22	e70	e50	42	35	194	254	49	635	44	65	25	44
23	e50	43	38	28	165	177	40	460	38	152	24	149
24	e40	40	435	24	74	134	38	213	35	78	22	33
25	e38	37	301	24	57	112	88	138	29	52	23	26
26	34	36	118	24	52	103	63	110	31	48	22	23
27	e32	35	82	22	77	101	49	85	32	46	21	22
28	e36	33	64	22	57	80	43	69	48	40	21	36
29	109	34	52	24	---	77	42	58	36	38	22	18
30	60	33	47	121	---	77	39	55	34	31	27	18
31	44	---	48	73	---	68	---	52	---	35	26	---
TOTAL	2580	2396	2272	1126	1981	5113	1849	7373	2030	3617	900	728
MEAN	83.2	79.9	73.3	36.3	70.8	165	61.6	238	67.7	117	29.0	24.3
MAX	686	346	435	121	220	1330	109	1340	241	966	46	149
MIN	11	32	24	22	32	38	38	52	29	31	21	13
CFSM	3.32	3.18	2.92	1.45	2.82	6.57	2.46	9.48	2.70	4.65	1.16	0.97
IN.	3.82	3.55	3.37	1.67	2.94	7.58	2.74	10.93	3.01	5.36	1.33	1.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	83.2	44.8	43.0	31.3	50.6	101	43.8	131	41.5	62.7	16.4	23.9
MAX	83.2	79.9	73.3	36.3	70.8	165	61.6	238	67.7	117	29.0	24.3
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	83.2	9.83	12.7	26.2	30.4	37.7	26.1	23.6	15.3	8.77	3.69	23.5
(WY)	2003	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	13143.5		31965			
ANNUAL MEAN	36.0		87.6		87.6	
HIGHEST ANNUAL MEAN					87.6	2003
LOWEST ANNUAL MEAN					87.6	2003
HIGHEST DAILY MEAN	686	Oct 16	1340	May 6	1340	May 6 2003
LOWEST DAILY MEAN	1.8	Sep 12	11	Oct 6	1.8	Sep 12 2002
ANNUAL SEVEN-DAY MINIMUM	2.0	Sep 7	14	Sep 15	2.0	Sep 7 2002
MAXIMUM PEAK FLOW			2530	Mar 20	2530	Mar 20 2003
MAXIMUM PEAK STAGE			11.69	Mar 20	11.69	Mar 20 2003
ANNUAL RUNOFF (CFSM)	1.43		3.49		3.49	
ANNUAL RUNOFF (INCHES)	19.48		47.37		47.41	
10 PERCENT EXCEEDS	72		158		158	
50 PERCENT EXCEEDS	18		48		48	
90 PERCENT EXCEEDS	4.2		22		22	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207435 LITTLE HAYNES CREEK AT DIAL MILL RD NR MILSTEAD GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334240 LONGITUDE 0835452 NAD83 DRAINAGE AREA 25.1 CONTRIBUTING DRAINAGE AREA 25.1* DATUM 650.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.12	4.74	4.44	5.27	4.82	4.86	5.11	4.85	4.84	6.47	4.69	4.32
2	4.08	4.66	4.42	4.93	4.68	4.80	5.02	5.37	4.79	8.74	4.62	4.30
3	4.04	4.58	4.42	4.82	4.62	4.71	5.03	5.46	4.98	6.58	4.80	4.35
4	4.01	4.77	4.39	4.71	4.69	4.66	5.00	5.00	5.01	5.85	4.77	4.32
5	4.03	5.17	4.75	4.67	4.59	4.67	5.16	5.12	4.73	5.64	4.50	4.27
6	4.00	6.08	4.60	4.64	4.57	7.70	5.13	9.63	4.80	5.92	4.49	4.23
7	4.51	5.29	4.49	4.60	5.25	6.81	5.46	8.77	5.88	5.38	4.55	4.26
8	4.22	5.02	4.45	4.59	4.82	5.83	5.36	7.45	5.33	5.19	4.58	---
9	4.09	4.89	4.42	4.57	4.69	5.56	5.24	6.76	4.97	5.07	4.63	---
10	4.08	4.87	4.55	4.56	5.13	5.38	5.24	6.28	4.71	5.03	4.53	---
11	4.16	6.19	5.65	4.44	4.90	5.27	5.54	5.99	4.71	5.13	4.49	---
12	4.06	6.98	4.83	4.40	4.70	5.17	5.23	5.85	4.73	4.96	4.47	4.15
13	4.73	5.95	5.54	4.40	4.55	5.09	5.08	5.64	5.39	4.90	4.60	4.12
14	4.45	5.47	5.37	4.40	4.54	5.04	4.99	5.53	6.35	5.70	4.42	4.12
15	7.04	5.26	5.01	4.40	4.56	5.18	4.93	6.06	5.33	5.12	4.35	4.16
16	8.08	5.68	4.88	4.43	6.01	5.13	4.89	7.06	5.08	5.00	4.38	4.12
17	6.15	5.59	4.79	4.68	6.11	5.20	4.89	6.16	5.86	4.98	4.40	4.10
18	5.65	5.23	4.69	4.41	5.26	5.27	4.97	5.92	5.55	4.85	4.37	4.06
19	5.39	5.05	4.75	4.36	5.01	5.32	4.87	5.86	5.47	4.79	4.36	4.06
20	5.12	4.98	5.43	4.35	4.86	9.49	4.80	5.62	5.07	4.77	4.54	4.05
21	---	4.92	4.96	4.34	4.78	7.34	4.85	5.79	4.86	5.26	4.44	4.05
22	---	---	4.78	4.59	5.94	6.51	4.85	7.81	4.76	5.03	4.37	4.54
23	---	4.79	4.71	4.45	5.93	6.05	4.70	7.39	4.66	5.86	4.35	5.73
24	---	4.74	6.86	4.36	5.20	5.76	4.67	6.28	4.59	5.23	4.32	4.55
25	---	4.69	6.69	4.36	4.98	5.58	5.29	5.78	4.47	4.90	4.33	4.40
26	4.62	4.66	5.62	4.35	4.90	5.49	5.06	5.55	4.50	4.84	4.31	4.32
27	---	4.64	5.28	4.32	5.22	5.47	4.86	5.32	4.54	4.81	4.29	4.31
28	---	4.61	5.07	4.31	4.98	5.26	4.76	5.14	4.82	4.71	4.28	4.60
29	5.54	4.63	4.90	4.36	---	5.23	4.73	4.99	4.62	4.66	4.30	4.22
30	5.05	4.60	4.82	5.59	---	5.23	4.69	4.94	4.57	4.51	4.42	4.20
31	4.81	---	4.83	5.16	---	5.13	---	4.90	---	4.59	4.40	---
MEAN	---	---	4.98	4.57	5.01	5.62	5.01	6.07	5.00	5.31	4.46	---
MAX	---	---	6.86	5.59	6.11	9.49	5.54	9.63	6.35	8.74	4.80	---
MIN	---	---	4.39	4.31	4.54	4.66	4.67	4.85	4.47	4.51	4.28	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207435 LITTLE HAYNES CREEK AT DIAL MILL RD NR MILSTEAD GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 247
LATITUDE 334240 LONGITUDE 0835452 NAD83 DRAINAGE AREA 25.1 CONTRIBUTING DRAINAGE AREA 25.1* DATUM 650.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.23	0.00	0.02	0.00	0.43	0.00	3.81	0.01	0.00
2	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.98	0.00	0.02	0.00	0.00
3	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.02	0.33	0.00	0.69	0.07
4	0.01	0.13	0.03	0.01	0.35	0.04	0.01	0.00	0.13	0.00	0.00	0.01
5	0.00	1.26	0.56	0.00	0.00	0.94	0.25	2.33	0.00	0.95	0.07	0.00
6	0.06	0.01	0.00	0.00	0.71	1.38	0.10	2.49	0.48	0.20	0.03	0.00
7	1.31	0.00	0.00	0.00	0.09	0.10	0.62	0.49	1.28	0.00	0.06	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.03	0.01	---
9	0.00	0.03	0.00	0.03	0.00	0.00	0.08	0.00	0.00	0.00	0.00	---
10	0.13	0.01	1.21	0.01	0.62	0.00	0.60	0.00	0.00	0.45	0.01	---
11	0.01	1.67	0.02	0.00	0.00	0.00	0.01	0.17	0.01	0.05	0.01	---
12	0.01	0.80	0.00	0.00	0.00	0.00	0.00	0.01	0.50	0.00	0.02	0.00
13	0.70	0.00	0.90	0.00	0.00	0.00	0.00	0.00	1.02	0.08	0.00	0.00
14	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.07	0.01	0.00	0.28
15	2.83	0.03	0.00	0.00	0.00	0.40	0.00	1.37	0.00	0.00	0.00	0.00
16	0.02	0.85	0.00	0.14	1.73	0.01	0.00	0.55	0.66	0.46	0.16	0.00
17	0.00	0.00	0.00	0.00	0.00	0.51	0.45	0.15	0.25	0.00	0.00	0.00
18	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.34	0.44	0.00	0.00	0.00
19	0.00	0.01	0.76	0.00	0.00	1.96	0.00	0.01	0.16	0.00	0.00	0.00
20	0.40	0.01	0.13	0.00	0.00	0.79	0.00	0.03	0.01	0.39	0.10	0.00
21	---	---	0.00	0.06	0.19	0.00	0.15	1.24	0.00	0.01	0.00	0.13
22	---	---	0.01	0.42	0.99	0.00	0.01	2.02	0.00	0.14	0.00	2.76
23	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.00
24	---	0.00	2.16	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00
25	---	0.00	0.02	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.29	0.70	0.00	0.13	0.00	0.23	0.00	0.00
27	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.34	0.00	0.00	0.49
28	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.27	0.01
29	0.33	0.00	0.00	0.67	---	0.00	0.00	0.00	0.00	0.00	0.45	0.00
30	0.01	0.00	0.00	0.51	---	0.22	0.00	0.00	0.08	0.25	0.00	0.00
31	0.00	---	0.44	0.00	---	0.00	---	0.00	---	0.64	0.00	---
TOTAL	---	---	6.27	2.14	5.19	7.09	3.55	12.77	6.36	8.87	1.89	---

ALTAMAHA RIVER BASIN
2003 Water Year

02207435 LITTLE HAYNES CREEK AT DIALS MILL ROAD, NEAR MILSTEAD, GA

LOCATION.— Lat.33°42'40", long. 83°54'52", referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit Code 03070103, on right bank of downstream side of bridge on Dial Mill Road, 0.1 miles north west of Hightower Trail Road, 0.7 miles south of GA 138, 0.6 miles west of Mount Zion Road, and 0.6 miles east of confluence with Big Haynes Creek.

DRAINAGE AREA.—25.1 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—November 19, 2002, to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses of biological oxygen demand are by the U.S. Geological Survey, Ocala Water-Quality and Resource Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Missouri District Laboratory and the Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, percent of saturation (00301)	Dissolved oxygen, mg/L (00300)
NOV													
19...	1145	80020	5.02	58	11	9.1	6.5	7.4	47	50	755	100	11.4
DEC													
04...	1155	80020	4.40	24	10	8.1	7.1	7.8	49	53	754	100	11.8
JAN													
23...	1145	80020	4.44	24	12	7.3	6.7	7.5	46	49	753	117	14.9
FEB													
22...	1055	80020	5.77	136	120	81	6.6	7.4	38	41	734	100	10.4
26...	1155	80020	4.87	50	16	--	6.7	--	43	--	749	103	11.7
MAR													
06...	1355	80020	9.28	1100	460	300	5.7	7.2	27	29	744	103	10.6
07...	1145	80020	6.74	296	83	57	6.2	7.2	34	37	744	98	10.3
APR													
02...	1100	80020	5.09	66	18	12	6.6	7.5	45	46	753	104	10.9
29...	1005	80020	4.76	42	22	13	6.7	7.2	47	49	749	102	9.8
MAY													
22...	1150	80020	7.93	598	180	120	6.7	6.3	29	31	--	--	--
27...	1120	80020	5.36	89	24	--	6.9	--	43	--	752	105	9.8
JUN													
10...	0915	80020	4.74	42	22	--	6.8	--	48	--	754	103	9.4
JUL													
02...	1045	80020	8.58	817	150	98	6.2	7.2	27	30	743	91	7.9
14...	1050	80020	6.46	243	340	220	6.5	7.3	35	36	749	93	8.0
AUG													
21...	1000	80020	4.46	29	13	--	7.3	--	50	--	751	99	8.3
SEP													
10...	1115	80020	4.22	19	11	8.8	7.1	7.6	51	53	750	98	8.8

02207435 LITTLE HAYNES CREEK AT DIALS MILL ROAD, NEAR MILSTEAD, GA—continued.

Date	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, fltrd, mg/L (71846)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)
NOV													
19...	9.1	--	.13	.032	.04	.276	.10	--	<.007	.012	.41	--	--
DEC													
04...	7.8	--	.15	.052	.07	.352	.10	--	<.007	.007	.51	1.9	.7
JAN													
23...	4.6	--	.13	.051	.07	.411	.08	--	<.007	.009	.54	2.1	.8
FEB													
22...	12.1	--	.40	.032	.04	.287	.37	--	<.007	.091	.69	5.3	E1.7
26...	8.8	--	--	--	--	--	--	--	--	--	--	1.9	--
MAR													
06...	12.8	15.0	.95	.033	.04	.235	.92	--	<.007	.25	1.2	14.3	1.2
07...	12.0	25.0	.35	.018	.02	.302	.33	--	<.007	.070	.65	4.9	--
APR													
02...	12.7	14.9	.15	.044	.06	.356	.11	--	<.007	.015	.51	2.5	1.0
29...	16.3	21.9	.23	.058	.07	.337	.17	--	<.007	.018	.56	2.7	.5
MAY													
22...	--	--	.68	.027	.03	.115	.66	.025	.008	.131	.80	10.7	2.0
27...	18.0	27.9	--	--	--	--	--	--	--	--	--	--	--
JUN													
10...	19.5	26.6	--	--	--	--	--	--	--	--	--	--	--
JUL													
02...	21.1	23.5	.59	E.014	--	.167	--	--	<.007	.107	.76	8.3	1.2
14...	22.0	27.0	.69	.037	.05	.327	.65	--	<.007	.154	1.0	7.8	2.1
AUG													
21...	23.4	29.0	--	--	--	--	--	--	--	--	--	2.5	--
SEP													
10...	20.0	22.8	.13	.030	.04	.338	.10	--	<.007	.009	.46	1.9	.6

Date	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Chlorophyll b phytoplankton, fluoro, ug/L (70954)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Sampler type, code (84164)
NOV													
19...	235	--	--	11	2.84	.892	<1.2	E.06	1	--	--	--	3044
DEC													
04...	36k	<.1	<.1	11	2.85	.856	<1.2	E.04	1	--	--	--	3044
JAN													
23...	84	.3	<.1	10	2.59	.805	<1.2	E.04	2	--	--	--	3044
FEB													
22...	--	--	--	9	2.19	.743	<1.2	.22	3	86	32	74	3052
26...	58	E1.0	<.1	--	--	--	--	--	--	--	--	--	3070
MAR													
06...	--	1.4	<.1	5	1.35	.439	<1.2	.16	2	E371	--	E68	3052
07...	--	--	--	7	1.90	.619	<1.2	.22	2	67	53	76	3052
APR													
02...	88k	E.4	<.1	10	2.64	.845	<1.2	E.05	M	11	2.0	83	3044
29...	129	E.8	<.1	11	2.84	.864	<1.2	E.08	1	27	3.1	67	3044
MAY													
22...	--	.7	<.1	8	2.06	.711	E.8	.21	2	195	315	53	3052
27...	106	--	--	--	--	--	--	--	--	--	--	--	3060
JUN													
10...	151	--	--	--	--	--	--	--	--	--	--	--	3060
JUL													
02...	--	.6	<.1	7	1.80	.546	E.6	.36	2	1060	2340	73	3052
14...	--l	--	--	8	2.27	.663	E.9	.17	M	144	94	92	3044
AUG													
21...	158	E.5	<.1	--	--	--	--	--	--	--	--	--	3070
SEP													
10...	180	E.5	<.1	13	3.42	1.03	E.2n	<.08	<1	6	.33	73	3044

02207435 LITTLE HAYNES CREEK AT DIALS MILL ROAD, NEAR MILSTEAD, GA—continued.

Date	Sampling method, code (82398)
NOV	
19...	10
DEC	
04...	10
JAN	
23...	10
FEB	
22...	10
26...	70
MAR	
06...	10
07...	10
APR	
02...	10
29...	10
MAY	
22...	10
27...	30
JUN	
10...	30
JUL	
02...	10
14...	10
AUG	
21...	30
SEP	
10...	10

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this report:
   c -- See laboratory comment
   d -- Diluted sample: method hi range exceeded
   k -- Counts outside acceptable range
   m -- Highly var comp using method, ? prec
   n -- Below the NDV
   o -- Result determined by alternate method
   t -- Below the long-term MDL

Null value qualifier codes used in this report:
   l -- Analysis discarded: lab QC failure
   x -- Result failed quality assurance review

02207435 LITTLE HAYNES CREEK AT DIAL MILL ROAD, NEAR MILSTEAD, GA

LOCATION.—Lat 33°42'40", long 83°54'52" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, on right bank on downstream side of bridge on Dial Mill Road, 0.1 miles north west of Hightower Trail Road, 0.7 miles south of GA 138, 0.6 miles west of Mount Zion Road, and 0.6 miles east of confluence with Big Haynes Creek.

DRAINAGE AREA.—25.9 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.—June 6, 2003 (invertebrates) and August 14, 2003 (fishes).

REMARKS.—Data collection protocols used are from draft versions of the Standard Operating Procedures: Freshwater Macroinvertebrate Biological Assessment (Georgia Environmental Protection Division, 2002) and Standard Operating Procedures for Conducting Biomonitoring on Fish Communities in the Piedmont Ecoregion of Georgia (Georgia Department of Natural Resources, 2000). William Pennington and Associates of Cookeville, Tennessee identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 500 meters. Fish abbreviations: TL-total length in millimeters, SL-standard length in millimeters. Weight is measured in grams.

Invertebrates

Taxa	Abundance Multi-habitat	Visual
ARTHROPODA		
Crustacea		
Amphipoda		
Talitridae		
Hyalella azteca	1	0
Decapoda		
Cambaridae	1	0
INSECTA		
Collembola	0	1
Isotomidae	1	0
Ephemeroptera		
Baetidae		
Baetis sp.	4	0
Pseudocloeon sp.	9	0
Heptageniidae		
Stenonema sp.	6	1
Isonychiidae		
Isonychia sp.	11	2
Odonata		
Aeshnidae		
Boyeria vinosa	3	0
Coenagrionidae		
Argia sp.	0	1
Gomphidae		

02207435 LITTLE HAYNES CREEK AT DIAL MILL ROAD, NEAR MILSTEAD, GA —continued.

Taxa	Abundance Multi-habitat	Visual
Gomphus sp.	1	0
Plecoptera		
Perlidae		
Acroneuria abnormis	1	0
Perlesta placida sp. gp.	10	3
Pteronarcidae		
Pteronarcys (Allonarcys) sp.	1	0
Trichoptera		
Hydropsychidae	9	0
Cheumatopsyche sp.	27	0
Hydropsyche sp.	3	0
Hydropsyche betteni gp.	9	0
Coleoptera		
Elmidae		
Ancyronyx variegata	1	0
Macronychus glabratus	1	1
Gyrinidae		
Dineutus sp.	1	5
Diptera		
Chironomidae	2	0
Brillia flavifrons	2	0
Conchapelopia sp.	1	0
Cricotopus sp.	2	0
Cricotopus bicinctus	1	0
Parametriocnemus sp.	1	0
Polypedilum flavum	19	0
Polypedilum illinoense	6	0
Rheocricotopus robacki	1	0
Rheotanytarsus sp.	6	0
Saetheria tylus	2	0
Simuliidae		
Simulium sp.	56	0
Tipulidae		
Antocha sp.	1	1

Fishes

Species	Common name	Count	TL	SL	Weight
Ameiurus brunneus	snail bullhead	1	38	30	0.6
Ameiurus brunneus	snail bullhead	1	45	38	1.9
Ameiurus brunneus	snail bullhead	1	48	40	1.5
Ameiurus brunneus	snail bullhead	1	50	44	1.5
Ameiurus brunneus	snail bullhead	1	55	45	2.0
Ameiurus brunneus	snail bullhead	1	60	50	2.6
Ameiurus brunneus	snail bullhead	1	66	58	4.0
Ameiurus brunneus	snail bullhead	1	78	65	5.7
Ameiurus brunneus	snail bullhead	1	91	79	8.0
Ameiurus brunneus	snail bullhead	1	95	82	10.0

02207435 LITTLE HAYNES CREEK AT DIAL MILL ROAD, NEAR MILSTEAD, GA —continued.

Species	Common name	Count	TL	SL	Weight
Ameiurus brunneus	snail bullhead	1	95	84	10.0
Ameiurus brunneus	snail bullhead	1	100	85	12.0
Ameiurus brunneus	snail bullhead	1	104	89	12.0
Ameiurus brunneus	snail bullhead	1	108	95	14.0
Ameiurus brunneus	snail bullhead	1	119	115	20.0
Ameiurus brunneus	snail bullhead	1	120	104	20.0
Ameiurus brunneus	snail bullhead	1	160	140	48.0
Ameiurus brunneus	snail bullhead	1	161	140	58.0
Ameiurus brunneus	snail bullhead	1	182	157	82.0
Ameiurus brunneus	snail bullhead	1	185	155	68.0
Ameiurus brunneus	snail bullhead	1	200	175	116.0
Ameiurus brunneus	snail bullhead	1	202	175	108.0
Ameiurus brunneus	snail bullhead	1	210	185	114.0
Ameiurus brunneus	snail bullhead	1	240	210	154.0
Ameiurus brunneus	snail bullhead	1	285	254	316.0
Ameiurus brunneus	snail bullhead	10	NA	NA	408.0
Cyprinella callisema	Ocmulgee shiner	1	82	67	5.1
Cyprinella xaenura	Altamaha shiner	1	56	47	1.7
Cyprinella xaenura	Altamaha shiner	1	60	50	2.0
Cyprinella xaenura	Altamaha shiner	1	63	52	2.2
Cyprinella xaenura	Altamaha shiner	1	64	51	2.2
Cyprinella xaenura	Altamaha shiner	1	66	55	2.6
Cyprinella xaenura	Altamaha shiner	1	66	54	4.0
Cyprinella xaenura	Altamaha shiner	1	68	55	2.7
Cyprinella xaenura	Altamaha shiner	1	68	55	4.0
Cyprinella xaenura	Altamaha shiner	1	68	55	4.0
Cyprinella xaenura	Altamaha shiner	1	70	58	3.0
Cyprinella xaenura	Altamaha shiner	1	70	57	4.0
Cyprinella xaenura	Altamaha shiner	1	70	58	4.0
Cyprinella xaenura	Altamaha shiner	1	70	58	5.5
Cyprinella xaenura	Altamaha shiner	1	72	59	9.0
Cyprinella xaenura	Altamaha shiner	1	74	60	4.0
Cyprinella xaenura	Altamaha shiner	1	75	60	4.0
Cyprinella xaenura	Altamaha shiner	1	75	62	6.0
Cyprinella xaenura	Altamaha shiner	1	76	62	3.9
Cyprinella xaenura	Altamaha shiner	1	77	62	4.5
Cyprinella xaenura	Altamaha shiner	1	78	65	4.6
Cyprinella xaenura	Altamaha shiner	1	80	65	4.0
Cyprinella xaenura	Altamaha shiner	1	80	65	6.0
Cyprinella xaenura	Altamaha shiner	1	80	70	6.0
Cyprinella xaenura	Altamaha shiner	1	80	60	6.0
Cyprinella xaenura	Altamaha shiner	1	85	70	5.4
Cyprinella xaenura	Altamaha shiner	1	88	73	8.0
Cyprinella xaenura	Altamaha shiner	1	90	74	6.0
Cyprinella xaenura	Altamaha shiner	1	90	74	7.2
Cyprinella xaenura	Altamaha shiner	1	90	75	7.7
Cyprinella xaenura	Altamaha shiner	1	92	75	8.0
Cyprinella xaenura	Altamaha shiner	1	95	78	7.5
Cyprinella xaenura	Altamaha shiner	1	110	90	16.0
Cyprinella xaenura	Altamaha shiner	1	118	97	14.0
Cyprinella xaenura	Altamaha shiner	50	NA	NA	254.5
Cyprinella xaenura	spottail shiner	1	74	60	4.0

02207435 LITTLE HAYNES CREEK AT DIAL MILL ROAD, NEAR MILSTEAD, GA —continued.

Species	Common name	Count	TL	SL	Weight
Cyprinella xaenura	spottail shiner	1	83	68	6.0
Esox niger	chain pickerel	1	220	193	58.0
Esox niger	chain pickerel	1	248	215	82.0
Esox niger	chain pickerel	1	268	235	100.0
Etheostoma inscriptum	turquoise darter	1	36	29	0.5
Etheostoma inscriptum	turquoise darter	1	55	46	1.8
Etheostoma inscriptum	turquoise darter	1	64	55	2.7
Etheostoma inscriptum	turquoise darter	1	73	64	4.5
Hybopsis rubrifrons	rosyface chub	1	75	60	3.3
Lepomis auritus	redbreast sunfish	1	65	57	4.2
Lepomis auritus	redbreast sunfish	1	71	55	6.4
Lepomis auritus	redbreast sunfish	1	75	60	7.5
Lepomis auritus	redbreast sunfish	1	84	65	9.3
Lepomis auritus	redbreast sunfish	1	85	66	9.2
Lepomis auritus	redbreast sunfish	1	87	69	12.0
Lepomis auritus	redbreast sunfish	1	88	70	10.0
Lepomis auritus	redbreast sunfish	1	88	70	14.0
Lepomis auritus	redbreast sunfish	1	90	70	14.0
Lepomis auritus	redbreast sunfish	1	90	70	14.0
Lepomis auritus	redbreast sunfish	1	90	70	14.0
Lepomis auritus	redbreast sunfish	1	100	80	18.0
Lepomis auritus	redbreast sunfish	1	105	87	24.0
Lepomis auritus	redbreast sunfish	1	109	89	24.0
Lepomis auritus	redbreast sunfish	1	120	100	30.0
Lepomis auritus	redbreast sunfish	1	125	100	32.0
Lepomis auritus	redbreast sunfish	1	126	105	36.0
Lepomis auritus	redbreast sunfish	1	130	105	96.0
Lepomis auritus	redbreast sunfish	1	140	114	52.0
Lepomis auritus	redbreast sunfish	1	175	143	74.0
Lepomis auritus	redbreast sunfish	9	NA	NA	282.0
Lepomis cyanellus	green sunfish	1	56	45	3.4
Lepomis cyanellus	green sunfish	1	65	53	6.0
Lepomis cyanellus	green sunfish	1	74	60	7.0
Lepomis cyanellus	green sunfish	1	97	79	18.0
Lepomis gulosus	warmouth	1	75	60	7.2
Lepomis gulosus	warmouth	1	85	69	12.0
Lepomis gulosus	warmouth	1	105	88	22.0
Lepomis gulosus	warmouth	1	110	90	28.0
Lepomis gulosus	warmouth	1	114	93	30.0
Lepomis gulosus	warmouth	1	130	105	52.0
Lepomis gulosus	warmouth	1	156	125	84.0
Lepomis macrochirus	bluegill sunfish	1	25	18	1.0
Lepomis macrochirus	bluegill sunfish	1	65	48	3.2
Lepomis macrochirus	bluegill sunfish	1	65	50	4.3
Lepomis macrochirus	bluegill sunfish	1	70	55	6.0
Lepomis macrochirus	bluegill sunfish	1	70	55	6.0
Lepomis macrochirus	bluegill sunfish	1	71	60	8.0
Lepomis macrochirus	bluegill sunfish	1	74	56	8.0
Lepomis macrochirus	bluegill sunfish	1	77	59	10.0
Lepomis macrochirus	bluegill sunfish	1	79	63	8.2
Lepomis macrochirus	bluegill sunfish	1	80	63	8.0
Lepomis macrochirus	bluegill sunfish	1	82	65	10.0
Lepomis macrochirus	bluegill sunfish	1	85	66	10.0

02207435 LITTLE HAYNES CREEK AT DIAL MILL ROAD, NEAR MILSTEAD, GA —continued.

Species	Common name	Count	TL	SL	Weight
Lepomis macrochirus	bluegill sunfish	1	85	65	10.0
Lepomis macrochirus	bluegill sunfish	1	86	65	12.0
Lepomis macrochirus	bluegill sunfish	1	87	70	12.0
Lepomis macrochirus	bluegill sunfish	1	89	70	12.0
Lepomis macrochirus	bluegill sunfish	1	90	70	10.0
Lepomis macrochirus	bluegill sunfish	1	90	70	12.0
Lepomis macrochirus	bluegill sunfish	1	90	65	12.0
Lepomis macrochirus	bluegill sunfish	1	90	70	14.0
Lepomis macrochirus	bluegill sunfish	1	90	73	14.0
Lepomis macrochirus	bluegill sunfish	1	91	70	12.0
Lepomis macrochirus	bluegill sunfish	1	91	71	14.0
Lepomis macrochirus	bluegill sunfish	1	91	74	14.0
Lepomis macrochirus	bluegill sunfish	1	92	72	14.0
Lepomis macrochirus	bluegill sunfish	1	93	72	14.0
Lepomis macrochirus	bluegill sunfish	1	94	73	16.0
Lepomis macrochirus	bluegill sunfish	1	95	77	14.0
Lepomis macrochirus	bluegill sunfish	1	95	75	14.0
Lepomis macrochirus	bluegill sunfish	1	95	73	14.0
Lepomis macrochirus	bluegill sunfish	1	95	73	16.0
Lepomis macrochirus	bluegill sunfish	1	96	76	16.0
Lepomis macrochirus	bluegill sunfish	1	98	80	16.0
Lepomis macrochirus	bluegill sunfish	1	98	78	16.0
Lepomis macrochirus	bluegill sunfish	1	98	77	16.0
Lepomis macrochirus	bluegill sunfish	1	100	78	16.0
Lepomis macrochirus	bluegill sunfish	1	100	80	18.0
Lepomis macrochirus	bluegill sunfish	1	105	80	18.0
Lepomis macrochirus	bluegill sunfish	1	105	85	22.0
Lepomis macrochirus	bluegill sunfish	1	106	80	20.0
Lepomis macrochirus	bluegill sunfish	1	110	84	22.0
Lepomis macrochirus	bluegill sunfish	1	110	84	24.0
Lepomis macrochirus	bluegill sunfish	1	115	90	26.0
Lepomis macrochirus	bluegill sunfish	1	115	90	28.0
Lepomis macrochirus	bluegill sunfish	78	NA	NA	810.0
Lepomis microlophus	redear sunfish	1	98	76	12.0
Micropterus punctulatus	spotted bass	1	296	250	364.0
Micropterus salmoides	largemouth bass	1	48	47	2.4
Micropterus salmoides	largemouth bass	1	49	41	1.6
Micropterus salmoides	largemouth bass	1	52	42	1.8
Micropterus salmoides	largemouth bass	1	60	49	2.8
Micropterus salmoides	largemouth bass	1	62	50	3.3
Micropterus salmoides	largemouth bass	1	72	59	4.2
Micropterus salmoides	largemouth bass	1	77	61	5.5
Micropterus salmoides	largemouth bass	1	80	63	5.4
Micropterus salmoides	largemouth bass	1	93	75	10.9
Micropterus salmoides	largemouth bass	1	133	110	33.2
Micropterus salmoides	largemouth bass	1	175	144	73.6
Nocomis leptocephalus	bluehead chub	1	32	27	0.4
Nocomis leptocephalus	bluehead chub	1	71	60	4.8
Nocomis leptocephalus	bluehead chub	1	74	61	4.4
Nocomis leptocephalus	bluehead chub	1	77	65	8.0
Nocomis leptocephalus	bluehead chub	1	78	65	6.0
Nocomis leptocephalus	bluehead chub	1	88	72	8.9

02207435 LITTLE HAYNES CREEK AT DIAL MILL ROAD, NEAR MILSTEAD, GA —continued.

Species	Common name	Count	TL	SL	Weight
Nocomis leptocephalus	bluehead chub	1	90	75	10.0
Nocomis leptocephalus	bluehead chub	1	90	75	10.0
Nocomis leptocephalus	bluehead chub	1	94	80	10.0
Nocomis leptocephalus	bluehead chub	1	94	79	10.0
Nocomis leptocephalus	bluehead chub	1	99	83	11.6
Nocomis leptocephalus	bluehead chub	1	99	83	12.0
Nocomis leptocephalus	bluehead chub	1	101	85	12.0
Nocomis leptocephalus	bluehead chub	1	104	86	12.0
Nocomis leptocephalus	bluehead chub	1	105	89	14.9
Nocomis leptocephalus	bluehead chub	1	105	90	14.0
Nocomis leptocephalus	bluehead chub	1	105	90	14.0
Nocomis leptocephalus	bluehead chub	1	105	90	14.0
Nocomis leptocephalus	bluehead chub	1	108	90	14.5
Nocomis leptocephalus	bluehead chub	1	108	89	15.5
Nocomis leptocephalus	bluehead chub	1	109	94	16.0
Nocomis leptocephalus	bluehead chub	1	112	93	16.8
Nocomis leptocephalus	bluehead chub	1	113	95	18.0
Nocomis leptocephalus	bluehead chub	1	115	99	18.0
Nocomis leptocephalus	bluehead chub	1	116	90	12.0
Nocomis leptocephalus	bluehead chub	1	118	100	22.0
Nocomis leptocephalus	bluehead chub	1	120	103	22.0
Nocomis leptocephalus	bluehead chub	1	120	104	22.0
Nocomis leptocephalus	bluehead chub	1	125	105	24.0
Nocomis leptocephalus	bluehead chub	1	131	111	26.6
Nocomis leptocephalus	bluehead chub	1	135	115	30.0
Notemigonus crysoleucas	golden shiner	1	56	45	1.6
Notropis hudsonius	spottail shiner	1	84	69	5.3
Notropis hudsonius	spottail shiner	1	85	70	6.0
Notropis hudsonius	spottail shiner	1	86	70	6.0
Notropis hudsonius	spottail shiner	1	89	73	6.0
Notropis hudsonius	spottail shiner	1	90	72	6.0
Notropis hudsonius	spottail shiner	1	90	73	6.0
Notropis hudsonius	spottail shiner	1	90	75	8.0
Notropis hudsonius	spottail shiner	1	91	75	6.0
Notropis hudsonius	spottail shiner	1	93	75	6.0
Notropis hudsonius	spottail shiner	1	94	77	6.5
Notropis hudsonius	spottail shiner	1	94	76	6.8
Notropis hudsonius	spottail shiner	1	97	80	8.0
Notropis hudsonius	spottail shiner	1	97	80	8.0
Notropis hudsonius	spottail shiner	1	97	79	7.8
Notropis hudsonius	spottail shiner	1	100	80	8.0
Notropis hudsonius	spottail shiner	1	100	82	8.0
Notropis hudsonius	spottail shiner	1	100	83	8.0
Notropis hudsonius	spottail shiner	1	100	84	8.0
Notropis hudsonius	spottail shiner	1	100	83	8.0
Notropis hudsonius	spottail shiner	1	100	83	8.5
Notropis hudsonius	spottail shiner	1	100	82	8.5
Notropis hudsonius	spottail shiner	1	101	83	8.6
Notropis hudsonius	spottail shiner	1	105	87	10.0
Notropis hudsonius	spottail shiner	1	110	90	12.0
Notropis hudsonius	spottail shiner	1	110	90	12.0
Notropis hudsonius	spottail shiner	1	110	94	13.1

02207435 LITTLE HAYNES CREEK AT DIAL MILL ROAD, NEAR MILSTEAD, GA —continued.

Species	Common name	Count	TL	SL	Weight
Notropis hudsonius	spottail shiner	1	115	95	14.0
Notropis hudsonius	spottail shiner	1	115	94	16.0
Notropis hudsonius	spottail shiner	1	115	96	16.0
Notropis hudsonius	spottail shiner	1	120	98	16.0
Notropis hudsonius	spottail shiner	1	121	100	16.0
Notropis hudsonius	spottail shiner	1	125	102	18.0
Notropis hudsonius	spottail shiner	1	125	104	20.0
Notropis hudsonius	spottail shiner	8	NA	NA	84.0
Notropis longirostris	longnose shiner	1	53	43	1.6
Notropis lutipinnis	yellowfin shiner	1	40	32	0.5
Notropis lutipinnis	yellowfin shiner	1	41	33	0.6
Notropis lutipinnis	yellowfin shiner	1	41	33	0.6
Notropis lutipinnis	yellowfin shiner	1	46	38	0.8
Notropis lutipinnis	yellowfin shiner	1	48	38	0.8
Notropis lutipinnis	yellowfin shiner	1	48	38	0.9
Notropis lutipinnis	yellowfin shiner	1	48	40	1.0
Notropis lutipinnis	yellowfin shiner	1	48	38	1.1
Notropis lutipinnis	yellowfin shiner	1	49	40	1.0
Notropis lutipinnis	yellowfin shiner	1	50	42	1.2
Notropis lutipinnis	yellowfin shiner	1	50	40	1.2
Notropis lutipinnis	yellowfin shiner	1	50	40	1.2
Notropis lutipinnis	yellowfin shiner	1	51	42	1.1
Notropis lutipinnis	yellowfin shiner	1	52	42	1.3
Notropis lutipinnis	yellowfin shiner	1	52	44	1.5
Notropis lutipinnis	yellowfin shiner	1	52	44	1.5
Notropis lutipinnis	yellowfin shiner	1	52	45	1.5
Notropis lutipinnis	yellowfin shiner	1	53	42	1.5
Notropis lutipinnis	yellowfin shiner	1	55	44	1.3
Notropis lutipinnis	yellowfin shiner	1	55	45	1.4
Notropis lutipinnis	yellowfin shiner	1	55	45	1.4
Notropis lutipinnis	yellowfin shiner	1	55	45	1.8
Notropis lutipinnis	yellowfin shiner	1	55	44	1.8
Notropis lutipinnis	yellowfin shiner	1	56	47	2.0
Notropis lutipinnis	yellowfin shiner	1	56	47	2.0
Notropis lutipinnis	yellowfin shiner	1	57	46	2.1
Notropis lutipinnis	yellowfin shiner	1	60	50	1.1
Notropis lutipinnis	yellowfin shiner	1	61	50	2.3
Notropis lutipinnis	yellowfin shiner	1	64	51	2.3
Notropis lutipinnis	yellowfin shiner	1	67	55	4.0
Notropis lutipinnis	yellowfin shiner	21	NA	NA	16.1
Noturus insignis	margined madtom	1	77	67	4.4
Noturus insignis	margined madtom	1	80	70	5.0
Noturus insignis	margined madtom	1	88	75	7.9
Noturus insignis	margined madtom	1	88	78	6.9
Noturus insignis	margined madtom	1	90	80	7.3
Noturus insignis	margined madtom	1	99	86	8.0
Noturus insignis	margined madtom	1	105	95	12.0
Noturus insignis	margined madtom	1	114	98	16.0
Noturus insignis	margined madtom	1	127	114	16.8
Perca flavescens	yellow perch	1	61	49	1.9
Percina nigrofasciata	blackbanded darter	1	40	33	0.5
Percina nigrofasciata	blackbanded darter	1	41	35	0.5

02207435 LITTLE HAYNES CREEK AT DIAL MILL ROAD, NEAR MILSTEAD, GA —continued.

Species	Common name	Count	TL	SL	Weight
Percina nigrofasciata	blackbanded darter	1	48	41	0.9
Percina nigrofasciata	blackbanded darter	1	50	42	1.0
Percina nigrofasciata	blackbanded darter	1	51	42	1.0
Percina nigrofasciata	blackbanded darter	1	52	45	1.0
Percina nigrofasciata	blackbanded darter	1	54	45	1.3
Percina nigrofasciata	blackbanded darter	1	57	48	1.5
Percina nigrofasciata	blackbanded darter	1	61	52	1.8
Percina nigrofasciata	blackbanded darter	1	63	53	2.1
Percina nigrofasciata	blackbanded darter	1	64	54	2.4
Percina nigrofasciata	blackbanded darter	1	65	55	2.4
Percina nigrofasciata	blackbanded darter	1	69	61	2.9
Percina nigrofasciata	blackbanded darter	1	71	62	3.5
Percina nigrofasciata	blackbanded darter	1	75	64	3.7
Percina nigrofasciata	blackbanded darter	1	77	65	4.4
Percina nigrofasciata	blackbanded darter	1	78	67	4.7
Percina nigrofasciata	blackbanded darter	1	80	70	5.0
Percina nigrofasciata	blackbanded darter	1	87	75	7.0
Percina nigrofasciata	blackbanded darter	1	87	75	8.0
Percina nigrofasciata	blackbanded darter	1	88	77	7.2
Percina nigrofasciata	blackbanded darter	1	88	75	7.1
Percina nigrofasciata	blackbanded darter	1	90	77	6.0
Percina nigrofasciata	blackbanded darter	1	91	80	8.3
Percina nigrofasciata	blackbanded darter	1	91	80	8.0
Percina nigrofasciata	blackbanded darter	1	92	80	7.8
Percina nigrofasciata	blackbanded darter	1	93	80	8.0
Percina nigrofasciata	blackbanded darter	1	95	83	8.0
Percina nigrofasciata	blackbanded darter	1	95	83	10.4
Percina nigrofasciata	blackbanded darter	1	97	83	10.2
Percina nigrofasciata	blackbanded darter	1	98	88	10.0
Percina nigrofasciata	blackbanded darter	31	NA	NA	144.4
Pomoxis nigromaculatus	black crappie	1	165	128	54.0
Scartomyzon rupiscartes	striped jumprock	1	40	32	0.6
Scartomyzon rupiscartes	striped jumprock	1	160	139	48.6
Scartomyzon rupiscartes	striped jumprock	1	166	142	52.6
Scartomyzon rupiscartes	striped jumprock	1	172	145	58.0
Scartomyzon rupiscartes	striped jumprock	1	186	160	70.0
Scartomyzon rupiscartes	striped jumprock	1	188	165	82.0
Scartomyzon rupiscartes	striped jumprock	1	195	170	92.0
Scartomyzon rupiscartes	striped jumprock	1	200	170	88.0
Scartomyzon rupiscartes	striped jumprock	1	200	170	90.0
Scartomyzon rupiscartes	striped jumprock	1	220	188	140.0
Scartomyzon rupiscartes	striped jumprock	1	230	195	162.0
Scartomyzon rupiscartes	striped jumprock	1	240	200	162.0

ALTAMAHA RIVER BASIN
2003 Water Year

02207446 BIG HAYNES CREEK ABOVE BALD ROCK ROAD, NEAR MILSTEAD, GA

LOCATION.—Lat 33°40’28", long 83°55’25” referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit Code 03070103, located 2.2 miles south of confluence with Little Haynes Creek, 1.5 miles north of confluence with Yellow River, 4.5 east of Milstead, and 0.8 miles west of Mt. Zion Rd.

DRAINAGE AREA.—78.2 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—December 2, 2002 to September 9, 2003 (discontinued).

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses of biological oxygen demand are by the U.S. Geological Survey, Ocala Water-Quality and Resource Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Missouri District Laboratory and the Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Turbidity, water, unfltrd field, NTU (61028)	Turbidity, wat unf lab, Hach 2100AN NTU (99872)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, percent of saturation (00301)	Dissolved oxygen, mg/L (00300)
DEC													
02...	1100	80020	2.49	29	9.7	7.2	6.5	7.8	53	56	748	98	11.6
JAN													
23...	1105	80020	3.15	91	10	--	7.2	--	48	--	752	87	10.8
29...	1230	80020	2.92	70	7.0	5.2	6.2	7.9	51	50	752	--	--
FEB													
25...	1225	80020	3.95	218	19	--	7.3	--	45	--	754	98	11.0
MAR													
18...	1150	80020	3.78	185	20	21	6.3	7.2	42	43	740	94	9.4
APR													
30...	1150	80020	3.70	164	17	12	6.4	7.2	42	45	752	92	8.5
MAY													
28...	1110	80020	4.05	219	22	15	6.6	7.4	40	41	746	93	8.4
JUN													
11...	1150	80020	3.78	166	22	19	6.8	6.9	41	42	752	94	7.9
JUL													
17...	1040	80020	4.02	207	21	12	6.2	7.3	40	40	753	88	7.3
AUG													
20...	1145	80020	3.00	71	17	12	6.8	6.6	47	48	751	85	6.9
SEP													
09...	1110	80020	2.79	54	17	12	7.3	7.4	46	E43	751	86	7.3

02207446 BIG HAYNES CREEK ABOVE BALD ROCK ROAD, NEAR MILSTEAD, GA—continued.

Date	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, fltrd, mg/L (71846)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)
DEC													
02...	7.1	--	.39	.222	.29	.239	.17	<.007	.013	.63	3.5	.8	43k
JAN													
23...	5.7	--	--	--	--	--	--	--	--	--	3.0	--	43k
29...	6.4	--	.25	.071	.09	.404	.18	<.007	.011	.66	3.0	.9	--
FEB													
25...	9.9	12.5	--	--	--	--	--	--	--	--	3.1	--	66
MAR													
18...	13.8	15.4	.32	.030	.04	.358	.29	<.007	.026	.68	3.7	<.1	124k
APR													
30...	18.7	24.7	.32	.035	.05	.330	.29	<.007	.027	.65	4.1	1.0	54
MAY													
28...	19.3	27.3	.47	.050	.06	.247	.42	<.007	.028	.72	4.4	1.3	40
JUN													
11...	23.3	18.4	.51	.049	.06	.238	.46	<.007	.052	.75	5.4	1.2	60
JUL													
17...	24.2	31.1	.39	.069	.09	.173	.32	<.007	.031	.56	4.8	1.5	102
AUG													
20...	25.3	26.7	.33	.049	.06	.212	.28	<.007	.024	.54	3.5	.9	188
SEP													
09...	22.7	25.3	.32	.062	.08	.161	.26	<.007	.019	.48	3.3	1.1	168

Date	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Chlorophyll b phytoplankton, fluoro, ug/L (70954)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Zinc, water, fltrd, ug/L (01090)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Sampler type, code (84164)	Sampling method, code (82398)
DEC													
02...	E.9	<.1	11	2.99	.794	<1.2	E.08	1	--	--	--	3044	10
JAN													
23...	3.5	<.1	--	--	--	--	--	--	--	--	--	3070	70
29...	2.2	<.1	10	2.75	.751	<1.2	.11	1	--	--	--	3044	10
FEB													
25...	E2.6	<.1	--	--	--	--	--	--	--	--	--	3070	70
MAR													
18...	E2.8	<.1	9	2.38	.722	E.6	.08	2	12	6.0	85	3044	10
APR													
30...	E1.9	<.1	9	2.46	.740	E.6	.11	1	22	9.8	79	3044	10
MAY													
28...	2.4	<.1	9	2.57	.730	<1.2	.20	3	13	7.7	90	3044	10
JUN													
11...	1.7	<.1	10	2.61	.808	E.9n	.17	4	14	6.3	97	3044	10
JUL													
17...	1.5	.3	10	2.61	.769	<1.2	E.06n	Mn	20	11	74	3044	10
AUG													
20...	E1.4	<.1	11	3.11	.894	<1.2	E.07n	<1	10	1.9	100	3044	10
SEP													
09...	E.4	<.1	11	2.90	.878	.7	E.05n	<1	16	2.3	80	3044	10

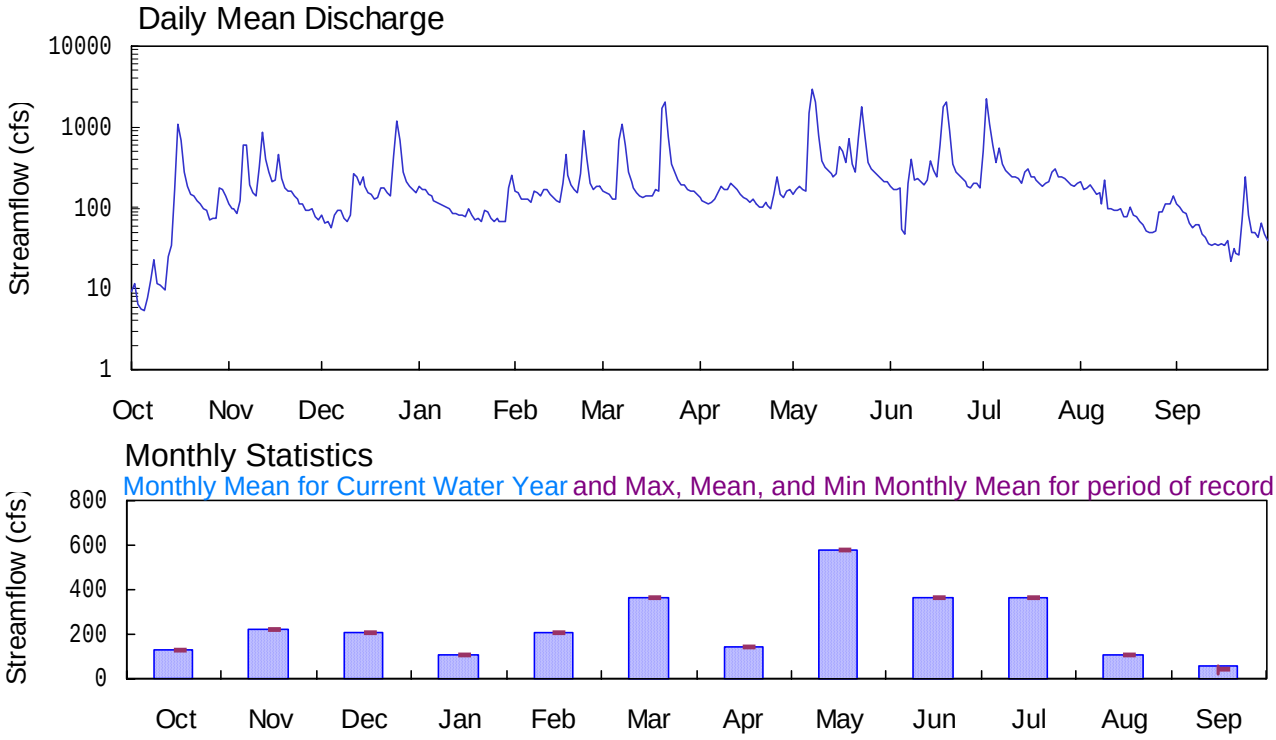
Remark codes used in this report:
- < -- Less than
- E -- Estimated value
- M -- Presence verified, not quantified

Value qualifier codes used in this report:
- c -- See laboratory comment
- d -- Diluted sample: method hi range exceeded
- k -- Counts outside acceptable range
- m -- Highly var comp using method, ? prec
- n -- Below the NDV
- o -- Result determined by alternate method
- t -- Below the long-term MDL

2003 Water Year

02207448 BIG HAYNES CREEK AT BALD ROCK ROAD, NR MILSTEAD GA

Latitude: 33°39'41" Longitude: 083°55'40" Hydrologic Unit Code: 03070103 Newton County
Drainage Area: 79 mi^2 Datum: 620 feet



NO PHOTOS AVAILABLE FOR THIS SITE

ALTAMAHA RIVER BASIN
2003 Water Year

02207448 BIG HAYNES CREEK AT BALD ROCK ROAD, NEAR MILSTEAD, GA

LOCATION.—Lat 33°39'41", long 83°55'40" referenced to North American Datum (NAD) of 1983, Rockdale County, Hydrologic Unit 03070103, on downstream left bank at Bald Rock Road, 0.75 miles upstream of Yellow River confluence, 0.5 miles south of Gees Mill Road, and 4.0 miles east of Milstead.

DRAINAGE AREA.—79.0 square miles.

COOPERATION.—Rockdale County Department of Water Resources.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 10, 2002 to current year.

GAGE.—Satellite telemetry with water-stage recorder. Datum of gage 620.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except those for periods of estimated daily discharge, which are fair. Flow is regulated by Jack Turner Dam.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 10, 2002 to current year.

GAGE.—Satellite telemetry with water-stage recorder. Datum of gage 620.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good. Flow is regulated by Jack Turner Dam.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 17.07 feet, May 7; minimum gage-height recorded, 3.02 feet, October 5.

PRECIPITATION RECORDS

PERIOD OF RECORD.—June 10, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207448 BIG HAYNES CREEK AT BALD ROCK ROAD, NR MILSTEAD GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 217
LATITUDE 333941 LONGITUDE 0835540 NAD83 DRAINAGE AREA 79* CONTRIBUTING DRAINAGE AREA DATUM 620 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.3	110	82	185	161	163	131	145	181	503	212	112
2	12	98	64	170	151	156	124	169	166	e2200	167	105
3	6.4	97	67	166	129	145	117	189	170	e1100	176	90
4	5.6	85	58	145	129	128	110	170	175	e600	192	86
5	5.4	121	82	142	128	130	116	161	55	366	165	64
6	7.8	595	93	125	116	683	130	e1500	48	544	150	58
7	12	612	95	117	164	e1100	151	e3000	202	354	152	61
8	23	195	74	110	157	e600	185	e2000	406	288	112	62
9	12	154	69	107	142	276	172	e800	224	262	219	47
10	e11	143	82	100	167	213	169	383	230	247	97	44
11	10	321	260	96	167	172	206	312	208	241	99	35
12	9.6	e850	244	85	148	151	188	291	197	227	93	34
13	25	e400	189	86	133	140	165	261	219	200	95	37
14	35	276	243	82	122	136	144	243	385	279	96	34
15	172	209	187	81	116	142	135	261	293	306	78	35
16	e1100	223	157	78	205	142	126	564	246	239	79	35
17	e700	457	148	98	454	142	117	512	592	244	101	40
18	275	231	130	81	255	166	126	365	e1800	218	82	22
19	187	175	134	72	194	160	113	704	e2000	202	77	31
20	149	160	176	74	165	1730	104	345	e900	187	68	27
21	e140	160	175	69	154	e2000	101	282	355	200	62	27
22	e120	142	151	93	269	e750	116	766	273	209	53	72
23	e110	126	139	90	907	347	106	e1800	248	273	51	247
24	e100	113	444	76	396	273	96	e800	232	307	49	83
25	e95	113	e1200	68	200	222	149	357	214	248	51	50
26	70	93	e700	73	172	193	242	306	188	241	89	50
27	75	95	277	69	185	190	146	283	173	228	90	44
28	e75	96	214	67	185	167	135	254	203	213	110	66
29	180	77	186	67	---	158	159	235	203	192	113	47
30	168	73	168	178	---	158	166	215	177	184	113	39
31	138	---	155	258	---	e145	---	208	---	206	138	---
TOTAL	4038.1	6600	6443	3308	5871	11278	4245	17881	10963	11308	3429	1784
MEAN	130	220	208	107	210	364	142	577	365	365	111	59.5
MAX	1100	850	1200	258	907	2000	242	3000	2000	2200	219	247
MIN	5.4	73	58	67	116	128	96	145	48	184	49	22
CFSM	1.65	2.78	2.63	1.35	2.65	4.61	1.79	7.30	4.63	4.62	1.40	0.75
IN.	1.90	3.11	3.03	1.56	2.76	5.31	2.00	8.42	5.16	5.32	1.61	0.84

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	130	220	208	107	210	364	142	577	365	365	111	41.0
MAX	130	220	208	107	210	364	142	577	365	365	111	59.5
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	130	220	208	107	210	364	142	577	365	365	111	22.6
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2002

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	87148.1			
ANNUAL MEAN	239		239	
HIGHEST ANNUAL MEAN			239	2003
LOWEST ANNUAL MEAN			239	2003
HIGHEST DAILY MEAN	3000	May 7	3000	May 7 2003
LOWEST DAILY MEAN	5.4	Oct 5	3.0	Sep 10 2002
ANNUAL SEVEN-DAY MINIMUM	8.4	Oct 1	6.5	Sep 7 2002
MAXIMUM PEAK STAGE	17.07	May 7	17.07	May 7 2003
ANNUAL RUNOFF (CFSM)	3.02		3.02	
ANNUAL RUNOFF (INCHES)	41.04		41.06	
10 PERCENT EXCEEDS	421		421	
50 PERCENT EXCEEDS	157		157	
90 PERCENT EXCEEDS	52		52	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207448 BIG HAYNES CREEK AT BALD ROCK ROAD, NR MILSTEAD GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 217
LATITUDE 333941 LONGITUDE 0835540 NAD83 DRAINAGE AREA 79* CONTRIBUTING DRAINAGE AREA DATUM 620 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.28	4.46	4.31	4.79	4.70	4.71	4.57	4.63	4.60	5.99	4.70	4.36
2	3.37	4.40	4.20	4.73	4.66	4.68	4.53	4.74	4.54	14.65	4.55	4.34
3	3.12	4.39	4.22	4.71	4.55	4.63	4.50	4.83	4.56	13.62	4.58	4.28
4	3.06	4.33	4.13	4.61	4.55	4.55	4.46	4.75	4.57	7.41	4.63	4.26
5	3.05	4.51	4.31	4.60	4.55	4.56	4.49	4.70	4.07	5.55	4.54	4.16
6	3.21	6.53	4.37	4.52	4.49	6.83	4.56	10.07	4.00	6.33	4.49	4.11
7	3.38	6.59	4.38	4.49	4.72	11.22	4.66	16.31	4.75	5.47	4.50	4.13
8	3.67	4.86	4.27	4.46	4.69	7.65	4.81	13.23	5.72	5.12	4.36	4.13
9	3.38	4.67	4.24	4.44	4.62	5.22	4.76	7.89	4.78	4.97	4.84	3.99
10	---	4.62	4.31	4.41	4.73	4.96	4.74	5.62	4.79	4.89	4.31	3.95
11	3.32	5.38	5.12	4.39	4.73	4.79	4.90	5.25	4.68	4.85	4.31	3.85
12	3.30	8.25	5.06	4.34	4.64	4.70	4.83	5.13	4.65	4.77	4.29	3.83
13	3.69	6.08	4.83	4.34	4.57	4.64	4.72	4.96	4.74	4.66	4.30	3.86
14	3.86	5.20	5.06	4.31	4.52	4.63	4.63	4.86	5.61	5.07	4.30	3.83
15	4.60	4.92	4.82	4.31	4.49	4.66	4.58	4.97	5.14	5.21	4.23	3.85
16	9.14	4.97	4.69	4.29	4.89	4.65	4.54	6.38	4.88	4.84	4.24	3.84
17	8.00	5.96	4.64	4.40	5.94	4.65	4.50	6.17	6.43	4.86	4.32	3.90
18	5.19	5.01	4.56	4.31	5.11	4.77	4.54	5.51	11.35	4.73	4.25	3.61
19	4.82	4.77	4.58	4.25	4.85	4.73	4.48	6.98	12.54	4.66	4.23	3.78
20	4.65	4.70	4.77	4.27	4.72	10.75	4.43	5.41	9.32	4.61	4.18	3.72
21	---	4.70	4.77	4.24	4.67	13.19	4.42	5.08	5.46	4.67	4.14	3.71
22	---	4.62	4.66	4.38	5.16	7.74	4.49	7.16	5.03	4.68	4.06	4.01
23	---	4.54	4.60	4.36	7.79	5.49	4.44	11.35	4.89	5.03	4.03	4.90
24	---	4.48	5.88	4.28	5.70	5.19	4.39	8.12	4.80	5.23	4.02	4.23
25	---	4.48	10.23	4.23	4.88	4.97	4.64	5.49	4.71	4.89	4.04	4.02
26	4.24	4.37	8.20	4.26	4.76	4.85	5.05	5.22	4.62	4.85	4.27	4.02
27	4.27	4.39	5.18	4.23	4.81	4.83	4.64	5.09	4.57	4.78	4.28	3.96
28	---	4.39	4.92	4.22	4.81	4.73	4.58	4.93	4.67	4.70	4.35	4.16
29	4.78	4.28	4.79	4.21	---	4.69	4.69	4.82	4.67	4.63	4.37	4.00
30	4.74	4.26	4.71	4.76	---	4.69	4.73	4.71	4.58	4.60	4.37	3.90
31	4.60	---	4.65	5.12	---	---	---	4.69	---	4.69	4.45	---
MEAN	---	4.97	4.95	4.43	4.90	---	4.61	6.42	5.46	5.65	4.34	4.02
MAX	---	8.25	10.23	5.12	7.79	---	5.05	16.31	12.54	14.65	4.84	4.90
MIN	---	4.26	4.13	4.21	4.49	---	4.39	4.63	4.00	4.60	4.02	3.61

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207448 BIG HAYNES CREEK AT BALD ROCK ROAD, NR MILSTEAD GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 217
LATITUDE 333941 LONGITUDE 0835540 NAD83 DRAINAGE AREA 79* CONTRIBUTING DRAINAGE AREA DATUM 620 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.21	0.00	0.02	0.00	0.02	0.00	4.22	0.02	0.01
2	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.64	0.00	0.01	0.00	0.00
3	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.02	0.33	0.00	0.69	0.00
4	0.00	0.11	0.01	0.00	0.21	0.04	0.02	0.00	0.00	0.00	0.01	0.08
5	0.00	1.26	0.40	0.00	0.00	0.48	0.29	1.87	0.00	0.37	0.24	0.00
6	0.46	0.01	0.00	0.00	0.71	1.51	0.10	2.29	0.34	0.10	0.03	0.01
7	0.33	0.00	0.00	0.00	0.06	0.30	0.59	0.58	1.41	0.00	0.00	0.01
8	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.01	0.00	0.00	0.01	0.00
9	0.00	0.02	0.00	0.04	0.04	0.00	0.07	0.00	0.00	0.00	0.00	0.00
10	0.08	0.01	1.03	0.00	0.68	0.00	0.47	0.00	0.00	0.54	0.25	0.00
11	0.00	1.98	0.01	0.00	0.00	0.00	0.00	0.12	0.00	0.14	0.17	0.00
12	0.03	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.01	0.00
13	1.05	0.00	0.94	0.00	0.00	0.00	0.00	0.00	0.84	0.16	0.00	0.00
14	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.04	0.91	0.02	0.00	0.07
15	3.08	0.04	0.00	0.00	0.00	0.35	0.00	0.89	0.00	0.00	0.00	0.00
16	0.01	0.61	0.00	0.13	1.67	0.00	0.00	0.49	1.08	0.10	0.15	0.00
17	0.00	0.00	0.00	0.00	0.01	0.50	0.07	0.06	0.25	0.01	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.19	0.58	0.00	0.00	0.00
19	0.00	0.01	0.90	0.00	0.00	1.66	0.00	0.01	0.09	0.01	0.00	0.00
20	0.20	0.00	0.09	0.00	0.00	0.60	0.00	0.01	0.00	0.22	0.26	0.00
21	---	0.03	0.00	0.01	0.13	0.01	0.16	0.52	0.00	0.02	0.00	0.06
22	---	0.00	0.01	0.38	0.89	0.00	0.00	2.97	0.00	0.34	0.00	3.36
23	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.00	0.01
24	---	0.00	1.83	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00
25	---	0.00	0.01	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.25	0.45	0.00	0.06	0.00	0.22	0.00	0.00
27	0.01	0.00	0.00	0.00	0.21	0.01	0.00	0.00	0.22	0.00	0.00	0.48
28	0.62	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.56	0.00	0.88	0.00
29	0.18	0.00	0.00	0.66	---	0.00	0.00	0.00	0.00	0.00	0.01	0.00
30	0.00	0.00	0.00	0.41	---	0.19	0.00	0.00	0.07	0.94	0.00	0.00
31	0.00	---	0.40	0.01	---	0.00	---	0.00	---	1.11	0.02	---
TOTAL	---	4.95	5.66	1.90	4.88	6.14	3.16	10.79	7.24	9.19	2.75	4.09

ALTAMAHA RIVER BASIN
2003 Water Year

02207477 GUM CREEK AT EDWARDS ROAD, NEAR COVINGTON, GA

LOCATION.—Lat 33^{0}39'50", long 83^{0}53'46" referenced to North American Datum (NAD) of 1927, Newton County, Hydrologic Unit 03070103, 1.0 miles north of confluence with Little Gum Creek, 4.3 miles south of GA 138, 5.5 miles east of Conyers, and 2.5 miles west of Flint Hill.

DRAINAGE AREA.—20.4 square miles.

COOPERATION.—Newton County Water and Sewerage Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—October 28, 2002 to May 14, 2003.

GAGE.—Standard USGS vertical staff gage. Datum of gage 660.00 feet above National Geodetic Vertical Datum (NGVD) of 1929.

RATING.—Rating Number 1, effective October 28, 2002 to November 13, 2002. Rating Number 2, effective January 8, 2002 to May 14, 2002.

REMARKS.—Records fair. Staff gage was destroyed by high water, which required a new rating to be created. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/28/02	2.36	13.8
11/08/02	2.67	25.2
11/13/02	3.28	58.6
01/08/03	2.57	21.7
02/18/03	2.82	40.4
04/16/03	2.66	27.2
05/12/03	2.87	43.4
05/14/03	2.72	34.2

02207965 DRIED INDIAN CREEK AT FLAT SHOALS ROAD, NEAR COVINGTON, GA

LOCATION.—Lat 33^{0}32'19", long 83^{0}52'19" referenced to North American Datum (NAD) of 1927, Newton County, Hydrologic Unit 03070103, on right bank 200.00 feet upstream of bridge on Flat Shoals Road, 4.0 miles south of Covington, 1.5 miles west of High Point, and 1.4 miles upstream of the confluence with the Yellow River.

DRAINAGE AREA.—13.0 square miles.

COOPERATION.—City of Covington.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—August 8, 2002 to May 12, 2003.

GAGE.—Standard USGS vertical staff gage. Datum of gage 620.00 feet above National Geodetic Vertical Datum (NGVD) of 1929.

RATING.—Rating Number 1, effective August 20, 2002 to May 12, 2003.

REMARKS.—Records good. Flow is affected by small creek that is regulated by Newton County that drains into Dried Indian Creek approximately 30 feet upstream of gage. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
08/20/02	1.28	5.51
09/05/02	1.15	2.79
11/07/02	1.64	16.5
11/13/02	1.96	39.2
01/08/03	1.63	16.4
02/28/08	1.74	24.3
05/12/03	1.74	21.2

ALTAMAHA RIVER BASIN
2003 Water Year

02208050 ALCOVY RIVER NEAR LAWRENCEVILLE, GA

LOCATION.—Lat 33°58'40", long 83°56'23" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at bridge on US 29, 3.2 miles northeast of Lawrenceville.

DRAINAGE AREA.—9.97 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1964 to 1974, 1995 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 920.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

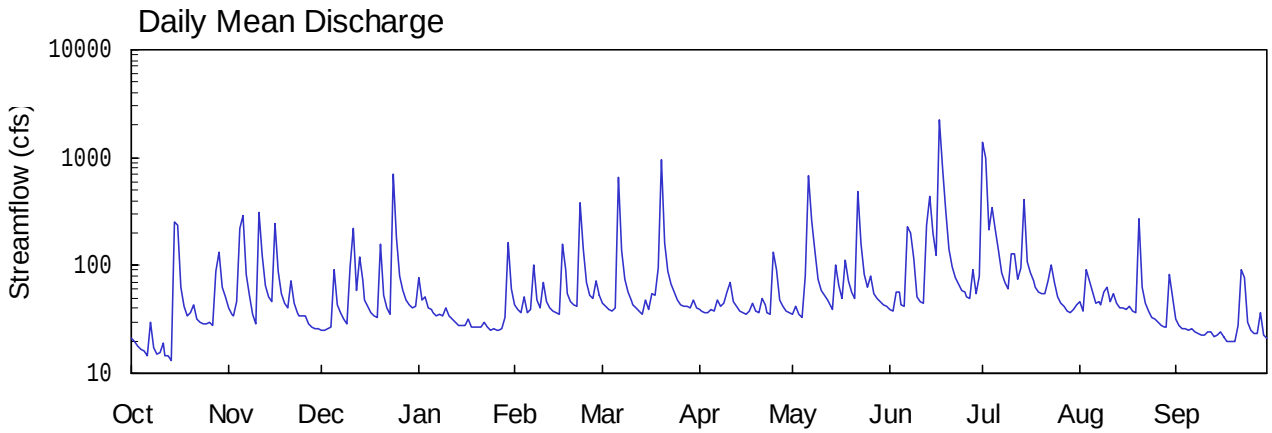
MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 4.92 feet, April 18, 1969
DISCHARGE: 1,620 cfs, April 18, 1969

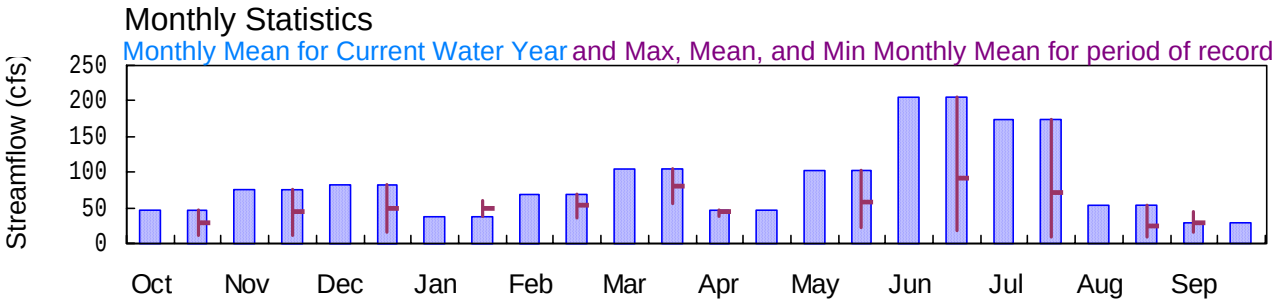
MAXIMUM FOR CURRENT YEAR.—
STAGE: 4.74 feet, July 1
DISCHARGE: 1,440 cfs, July 1

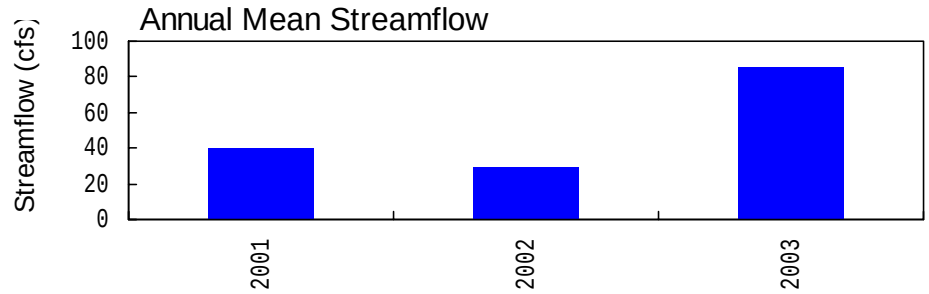
2003 Water Year

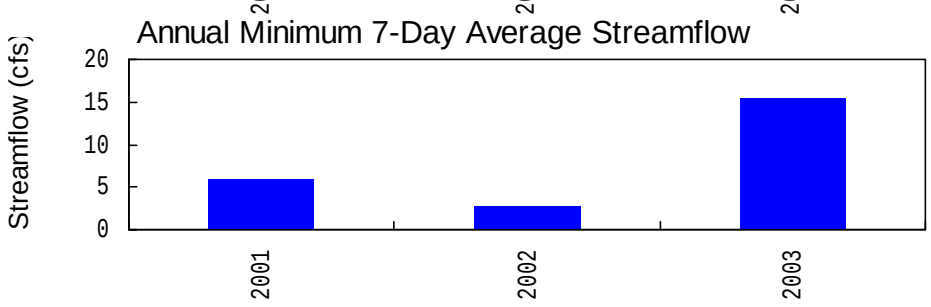
02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA

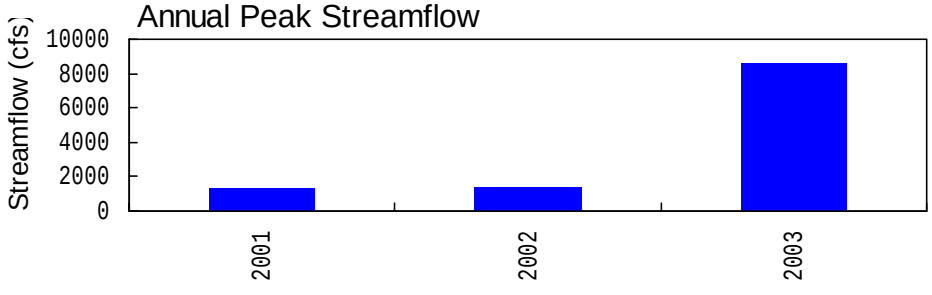
Latitude: 33°55'03" Longitude: 083°53'17" Hydrologic Unit Code: 03070103 Gwinnett County
Drainage Area: 30.8 mi^2 Datum: 850.0 feet











ALTAMAHA RIVER BASIN
2003 Water Year

02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA

LOCATION.—Lat 33°55'03", long 83°53'17" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, 8.0 feet downstream of bridge at New Hope Road, and 4.2 miles northeast of Grayson.

DRAINAGE AREA.—30.8 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 7, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 850.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for periods of estimated discharge, which are fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 7, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 850.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 14.93 feet, June 17; minimum gage-height, 3.02 feet, October 14, 15.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 7, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8* DATUM 850.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	40	25	78	43	45	39	35	39	1410	47	32
2	20	36	25	47	39	42	37	42	38	974	38	27
3	18	34	26	52	36	39	37	36	56	211	91	26
4	16	47	27	41	51	38	37	33	56	341	e72	26
5	16	222	91	39	37	40	39	80	43	215	e56	25
6	14	288	43	37	39	647	38	672	42	139	e45	26
7	30	84	37	34	100	140	47	264	231	85	e47	24
8	17	53	31	35	47	74	41	139	199	69	e43	23
9	15	35	29	34	40	57	45	75	e115	61	e57	23
10	15	29	96	40	70	48	58	58	e52	130	e62	22
11	19	313	220	34	46	43	70	53	46	128	e47	e24
12	14	125	59	31	40	40	47	48	45	76	e55	e24
13	15	66	120	30	37	38	41	42	238	93	e44	e22
14	13	51	73	28	36	36	38	39	442	409	e40	e23
15	250	46	48	27	35	47	37	102	201	110	40	e24
16	234	247	41	28	160	38	36	65	122	84	39	e22
17	62	88	37	31	91	54	37	49	e2240	72	41	e20
18	41	55	34	27	56	53	44	110	809	64	38	e20
19	34	45	33	26	46	94	37	71	322	58	37	e20
20	36	41	157	26	43	947	36	56	140	55	271	e20
21	42	71	52	27	41	164	50	50	98	55	64	e28
22	32	44	40	29	378	88	43	479	78	72	45	e92
23	30	37	35	27	144	66	36	155	66	102	37	77
24	29	34	709	25	69	56	35	82	59	70	33	30
25	29	34	183	26	54	48	134	63	56	51	32	25
26	30	34	80	25	49	44	90	80	52	45	30	24
27	28	29	58	25	73	42	49	55	50	42	27	23
28	89	27	49	26	52	42	42	49	90	38	27	36
29	131	26	43	33	---	40	38	46	55	36	27	22
30	62	26	40	162	---	48	36	43	80	39	83	21
31	51	---	42	60	---	41	---	41	---	43	52	---
TOTAL	1453	2307	2583	1190	1952	3239	1394	3212	6160	5377	1667	851
MEAN	46.9	76.9	83.3	38.4	69.7	104	46.5	104	205	173	53.8	28.4
MAX	250	313	709	162	378	947	134	672	2240	1410	271	92
MIN	13	26	25	25	35	36	35	33	38	36	27	20
CFSM	1.52	2.50	2.71	1.25	2.26	3.39	1.51	3.36	6.67	5.63	1.75	0.92
IN.	1.75	2.79	3.12	1.44	2.36	3.91	1.68	3.88	7.44	6.49	2.01	1.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	28.5	44.0	50.0	48.9	53.1	80.2	43.8	58.3	92.5	71.6	25.4	28.9
MAX	46.9	76.9	83.3	59.4	69.7	104	46.5	104	205	173	53.8	43.5
(WY)	2003	2003	2003	2002	2003	2003	2003	2003	2003	2003	2003	2002
MIN	10.2	11.1	16.7	38.4	36.5	55.8	38.7	21.6	18.6	8.75	9.27	14.9
(WY)	2002	2002	2002	2003	2002	2002	2002	2001	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	16061.9		31385			
ANNUAL MEAN	44.0		86.0		57.9	
HIGHEST ANNUAL MEAN					86.0	2003
LOWEST ANNUAL MEAN					29.8	2002
HIGHEST DAILY MEAN	709	Dec 24	2240	Jun 17	2240	Jun 17 2003
LOWEST DAILY MEAN	2.5	Aug 13	13	Oct 14	2.5	Aug 13 2002
ANNUAL SEVEN-DAY MINIMUM	2.8	Aug 9	15	Oct 8	2.8	Aug 9 2002
MAXIMUM PEAK STAGE			14.93	Jun 17	14.93	Jun 17 2003
ANNUAL RUNOFF (CFSM)	1.43		2.79		1.88	
ANNUAL RUNOFF (INCHES)	19.40		37.91		25.54	
10 PERCENT EXCEEDS	90		142		96	
50 PERCENT EXCEEDS	25		43		32	
90 PERCENT EXCEEDS	5.9		25		8.4	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8* DATUM 850.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.26	3.41	3.46	4.25	3.72	3.76	3.57	3.45	3.54	8.18	3.59	3.49
2	3.23	3.33	3.46	3.80	3.64	3.71	3.54	3.58	3.51	7.79	3.44	3.38
3	3.18	3.28	3.47	3.87	3.59	3.65	3.52	3.46	3.82	5.39	4.04	3.36
4	3.13	3.53	3.51	3.67	3.85	3.62	3.52	3.41	3.83	5.72	---	3.35
5	3.13	4.91	4.38	3.63	3.60	3.65	3.56	3.90	3.60	5.38	---	3.34
6	3.07	5.65	3.83	3.60	3.63	7.35	3.54	7.38	3.59	4.76	---	3.34
7	3.45	4.20	3.72	3.55	4.48	4.93	3.69	5.73	5.28	4.18	---	3.32
8	3.15	3.83	3.61	3.55	3.79	4.21	3.58	4.81	5.14	3.95	---	3.29
9	3.10	3.57	3.56	3.53	3.66	3.96	3.65	4.12	---	3.84	---	3.28
10	3.10	3.48	4.07	3.65	4.13	3.80	3.83	3.86	---	4.50	---	3.26
11	3.20	5.69	5.37	3.53	3.77	3.71	4.03	3.78	3.67	4.63	---	---
12	3.07	4.84	4.09	3.48	3.66	3.66	3.68	3.69	3.64	4.03	---	---
13	3.08	4.19	4.71	3.44	3.60	3.62	3.57	3.58	4.84	4.20	---	---
14	3.03	3.97	4.28	3.40	3.58	3.57	3.51	3.53	6.21	6.16	---	---
15	4.95	3.88	3.92	3.37	3.56	3.78	3.48	4.33	5.29	4.35	3.49	---
16	5.40	5.64	3.81	3.38	4.89	3.63	3.46	3.96	4.64	4.02	3.46	---
17	3.95	4.46	3.73	3.47	4.41	3.87	3.50	3.72	9.36	3.84	3.51	---
18	3.54	4.03	3.66	3.36	3.93	3.88	3.63	4.47	7.60	3.72	3.44	---
19	3.33	3.88	3.63	3.35	3.78	4.36	3.49	4.05	6.15	3.63	3.41	---
20	3.31	3.80	4.97	3.35	3.71	8.01	3.48	3.83	5.01	3.58	5.37	---
21	3.45	4.24	3.99	3.36	3.69	5.15	3.71	3.73	4.59	3.59	3.90	---
22	3.23	3.86	3.79	3.43	5.95	4.38	3.60	6.74	4.35	3.85	3.61	---
23	3.18	3.72	3.69	3.36	4.92	4.09	3.47	4.96	4.20	4.23	3.49	4.15
24	3.15	3.66	6.82	3.33	4.15	3.93	3.45	4.21	4.09	3.82	3.43	3.46
25	3.16	3.66	5.30	3.33	3.90	3.78	4.61	3.94	4.05	3.56	3.41	3.33
26	3.18	3.66	4.35	3.33	3.82	3.70	4.26	4.17	3.99	3.50	3.39	3.30
27	3.14	3.54	4.04	3.31	4.20	3.67	3.71	3.82	3.95	3.47	3.36	3.28
28	3.74	3.50	3.87	3.33	3.88	3.65	3.59	3.72	4.45	3.44	3.36	3.55
29	4.60	3.48	3.75	3.49	---	3.62	3.52	3.66	4.03	3.40	3.38	3.27
30	3.78	3.47	3.68	5.05	---	3.75	3.47	3.61	4.27	3.46	4.17	3.23
31	3.62	---	3.69	4.00	---	3.62	---	3.58	---	3.53	3.83	---
MEAN	3.45	4.01	4.07	3.57	3.98	4.13	3.64	4.15	---	4.38	---	---
MAX	5.40	5.69	6.82	5.05	5.95	8.01	4.61	7.38	---	8.18	---	---
MIN	3.03	3.28	3.46	3.31	3.56	3.57	3.45	3.41	---	3.40	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8* DATUM 850.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.28	0.00	0.04	0.00	0.20	0.00	5.02	0.01	0.00
2	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.20	0.00	0.02	0.00	0.00
3	0.00	0.23	0.00	0.00	0.00	0.00	0.01	0.01	0.57	0.00	0.42	0.01
4	0.03	0.18	0.07	0.00	0.22	0.01	0.02	0.00	0.53	0.00	---	0.05
5	0.00	2.10	0.85	0.00	0.00	1.31	0.18	1.91	0.00	0.60	---	0.00
6	0.00	0.02	0.01	0.00	0.87	1.18	0.27	2.00	0.71	0.00	---	0.00
7	0.50	0.00	0.00	0.00	0.07	0.01	0.48	0.46	1.55	0.00	---	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.01	0.02	0.00	---	0.00
9	0.00	0.00	0.00	0.17	0.13	0.00	0.09	0.00	0.00	0.00	---	0.00
10	0.41	0.06	1.50	0.02	0.46	0.00	0.79	0.00	0.00	0.14	---	0.00
11	0.01	2.17	0.03	0.00	0.00	0.00	0.01	0.15	0.22	0.12	---	0.00
12	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.00	---	0.00
13	0.35	0.00	0.81	0.00	0.00	0.00	0.00	0.00	0.86	1.34	---	0.00
14	0.03	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.83	0.01	---	0.03
15	2.92	0.18	0.00	0.00	0.00	0.36	0.00	0.13	0.00	0.00	0.00	0.01
16	0.09	1.03	0.01	0.23	1.49	0.00	0.00	0.05	1.15	0.05	0.01	0.00
17	0.00	0.00	0.00	0.00	0.00	0.54	0.83	0.03	3.16	0.01	0.00	0.00
18	0.00	0.01	0.00	0.00	0.00	0.06	0.00	0.01	1.47	0.00	0.00	0.00
19	0.00	0.04	0.83	0.00	0.00	2.40	0.01	0.05	0.00	0.00	0.00	0.00
20	0.21	0.09	0.11	0.00	0.00	2.53	0.00	0.12	0.00	0.19	0.52	0.00
21	0.01	0.19	0.00	0.06	0.10	0.00	0.22	0.29	0.08	0.05	0.00	0.01
22	0.00	0.00	0.00	0.17	1.34	0.00	0.00	2.09	0.00	0.33	0.00	1.97
23	0.01	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.01
24	0.00	0.00	2.38	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00	0.00
25	0.15	0.00	0.01	0.00	0.01	0.00	1.12	0.31	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.31	0.11	0.00	0.04	0.00	0.07	0.00	0.00
27	0.00	0.00	0.01	0.00	0.34	0.02	0.00	0.00	0.14	0.00	0.00	0.10
28	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.01	0.40	0.00
29	0.34	0.00	0.00	0.90	---	0.05	0.00	0.00	0.00	0.00	0.00	0.00
30	0.02	0.00	0.00	0.87	---	0.24	0.00	0.00	0.36	0.00	0.17	0.00
31	0.00	---	0.33	0.00	---	0.00	---	0.00	---	0.20	0.08	---
TOTAL	6.00	6.57	7.01	2.87	5.40	8.86	4.21	8.08	12.29	8.65	---	2.19

ALTAMAHA RIVER BASIN
2003 Water Year

02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA

LOCATION.—Lat 33°55'03", long 83°53'17" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, 8.0 feet downstream of bridge at New Hope Road, and 4.2 miles northeast of Grayson.

DRAINAGE AREA.—30.8 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIOD OF RECORD.— March 8, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: March 8, 2001 to current year.
WATER TEMPERATURE: March 8, 2001 to current year.
TURBIDITY: March 8, 2001 to current year.

INSTRUMENTATION.— Satellite telemetry with a continuous water-quality monitor.

REMARKS.— Records good, except turbidity, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 111 microsiemens, November 18, 2002; minimum recorded, 14 microsiemens, June 17, 2003.
WATER TEMPERATURE: Maximum recorded, 26.5°C, July 11, 2001; minimum recorded, 0.0°C, January 4 and 5, 2002.
TURBIDITY: Maximum recorded, >2,200 NTU, May 13, August 28, 2002; minimum recorded, <2.0 NTU, on many days.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum, 111 microsiemens, November 18; minimum, 14 microsiemens, June 17.
WATER TEMPERATURE: Maximum, 25.6°C, August 30, 31; minimum, 0.2°C, January 24.
TURBIDITY: Maximum, >1,200 NTU, on many days; minimum, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8 DATUM 850.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	97	95	96	95	93	94	89	87	87	76	61	67
2	96	93	95	96	94	95	89	88	88	72	67	70
3	94	93	94	96	93	96	88	85	86	76	72	73
4	95	93	94	97	88	93	88	78	82	76	73	75
5	95	93	94	89	55	74	81	62	69	77	76	77
6	97	93	95	73	50	64	79	68	74	77	76	77
7	100	77	86	80	72	77	80	75	78	77	77	77
8	90	81	86	87	80	84	82	79	80	77	76	77
9	97	90	93	89	85	87	82	81	82	77	76	77
10	96	85	91	88	85	87	84	49	79	79	75	76
11	101	89	94	88	45	61	66	45	57	---	---	---
12	92	88	90	71	63	67	75	66	70	76	75	76
13	94	88	91	78	71	75	75	54	65	79	76	77
14	94	93	94	87	78	81	73	65	69	79	78	79
15	93	44	70	87	77	81	77	73	76	---	---	---
16	71	46	63	83	50	63	85	77	79	---	---	---
17	77	71	74	75	63	70	85	81	81	84	78	80
18	86	77	83	111	70	81	81	80	80	81	79	80
19	91	86	88	94	72	79	81	73	80	81	80	80
20	94	87	91	84	83	84	73	50	61	80	79	80
21	96	81	86	87	70	77	74	67	71	79	77	79
22	91	83	87	88	75	79	77	74	76	81	77	79
23	94	90	92	88	78	84	79	77	78	80	78	79
24	94	92	93	85	85	85	78	31	51	82	60	80
25	95	92	93	87	84	86	62	50	57	82	80	81
26	96	92	95	84	78	81	68	62	65	80	79	80
27	96	92	94	85	83	84	70	68	69	80	79	80
28	95	60	88	87	85	86	73	70	72	81	78	80
29	77	60	69	87	87	87	75	73	74	83	68	75
30	86	77	82	88	87	87	75	74	75	73	52	59
31	93	85	89	---	---	---	76	72	75	70	61	66
MONTH	101	44	88	111	45	81	89	31	74	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8 DATUM 850.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	73	70	72	70	69	70	73	71	72	78	75	77
2	74	73	74	72	70	71	73	71	72	78	69	75
3	75	74	74	72	71	72	73	72	73	79	75	77
4	74	66	71	73	71	72	75	72	73	82	76	78
5	75	70	73	73	60	72	76	73	74	81	52	75
6	76	70	75	60	37	44	77	69	74	56	36	46
7	75	56	63	56	49	53	75	66	72	60	37	55
8	73	68	71	60	56	59	74	71	73	66	59	62
9	74	73	73	61	59	61	75	72	73	71	66	69
10	76	61	67	63	61	62	74	68	72	72	70	71
11	71	65	69	64	63	64	70	64	66	73	71	72
12	74	70	72	73	63	67	72	69	71	76	73	75
13	77	74	75	79	73	75	73	71	73	76	74	75
14	77	74	75	75	74	75	---	---	---	78	76	77
15	75	73	74	83	68	74	---	---	---	78	67	72
16	74	52	61	73	69	72	---	---	---	71	67	69
17	64	56	60	77	66	72	---	---	---	73	71	72
18	69	64	67	72	65	69	---	---	---	73	64	68
19	73	69	71	73	43	67	75	74	74	73	67	70
20	74	73	73	54	32	43	75	74	75	77	73	74
21	75	74	74	63	54	59	81	73	76	80	77	78
22	75	36	56	67	63	65	75	73	74	78	45	55
23	59	50	55	69	67	68	81	74	76	64	56	61
24	64	59	62	72	67	70	93	76	81	68	64	67
25	68	64	66	80	67	70	79	49	62	70	68	69
26	70	67	68	71	69	71	70	53	65	75	66	68
27	72	64	67	73	71	72	74	70	72	72	67	70
28	69	65	67	73	71	72	83	74	77	73	71	72
29	---	---	---	73	72	73	78	76	77	74	72	73
30	---	---	---	79	69	73	78	76	77	73	71	72
31	---	---	---	71	69	71	---	---	---	74	72	73
MONTH	77	36	69	83	32	67	---	---	---	82	36	70

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8 DATUM 850.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	74	72	73	---	---	---	81	69	73	75	68	71
2	74	72	73	---	---	---	78	75	77	76	73	74
3	73	68	71	---	---	---	79	56	72	77	76	77
4	68	61	65	---	---	---	---	---	---	78	77	77
5	69	63	66	---	---	---	---	---	---	80	78	79
6	70	66	68	---	---	---	---	---	---	79	76	77
7	69	37	56	---	---	---	---	---	---	76	75	75
8	57	37	50	75	70	73	---	---	---	80	75	78
9	63	57	61	77	75	76	---	---	---	81	79	80
10	---	---	---	79	53	69	---	---	---	81	79	80
11	68	66	67	65	51	60	---	---	---	81	80	80
12	68	67	67	74	64	69	---	---	---	82	80	81
13	72	33	61	71	42	65	---	---	---	82	80	81
14	53	32	45	64	38	51	---	---	---	83	80	81
15	52	39	48	68	60	64	---	---	---	83	81	81
16	57	43	53	71	66	69	---	---	---	89	80	82
17	57	14	34	74	69	71	---	---	---	90	80	82
18	47	26	37	74	71	72	---	---	---	94	80	83
19	---	---	---	75	73	74	---	---	---	96	81	86
20	---	---	---	77	72	75	81	44	62	89	81	83
21	---	---	---	79	73	77	76	65	72	90	81	83
22	---	---	---	84	70	75	79	76	78	92	42	71
23	---	---	---	74	63	68	82	79	81	64	49	59
24	---	---	---	73	64	69	83	81	82	69	64	67
25	---	---	---	77	73	75	84	82	83	72	69	71
26	---	---	---	78	77	77	83	82	82	75	72	73
27	---	---	---	79	77	78	83	81	82	74	73	73
28	---	---	---	80	78	79	83	79	82	76	67	71
29	---	---	---	81	79	80	85	78	82	77	72	75
30	---	---	---	87	78	81	82	41	62	79	77	77
31	---	---	---	86	75	78	71	54	64	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	96	42	77

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8 DATUM 850.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.1	19.8	20.8	14.0	11.8	12.9	8.7	5.7	7.2	11.1	10.3	10.8
2	22.5	20.0	21.2	12.8	10.7	11.9	7.3	4.4	6.0	11.4	10.6	11.0
3	22.3	19.9	21.1	13.1	11.5	12.3	8.7	5.6	7.2	11.1	7.5	9.6
4	21.8	19.9	20.9	13.9	12.7	13.2	8.5	6.6	7.8	7.5	5.7	6.7
5	23.3	20.9	21.9	13.5	13.1	13.3	6.9	5.2	6.2	8.1	5.6	6.8
6	22.5	20.1	21.4	14.1	12.8	13.6	7.5	6.0	6.7	7.4	6.0	6.8
7	22.6	20.8	21.6	12.8	11.1	12.1	6.5	4.3	5.5	6.7	4.8	5.8
8	21.4	19.0	20.3	12.4	10.1	11.5	6.6	4.2	5.5	7.7	5.2	6.4
9	19.0	17.8	18.2	14.2	10.9	12.4	7.7	6.0	6.9	10.3	7.1	8.6
10	18.6	17.8	18.2	16.7	14.2	15.5	7.8	7.2	7.5	10.6	8.1	10
11	20.4	18.5	19.3	17.6	16.7	17.0	8.7	7.3	8.1	8.1	5.7	6.5
12	21.2	18.6	19.9	16.7	15.2	16.2	9.2	8.3	8.7	5.8	4.3	5.2
13	21.8	19.8	20.7	15.2	12.4	13.7	8.9	8.1	8.5	6.3	4.7	5.4
14	19.8	17.9	18.8	12.4	10.3	11.6	8.7	7.1	8.0	6.9	4.2	5.6
15	17.9	14.7	15.7	12.7	9.8	11.3	7.7	5.7	6.9	---	---	---
16	17.3	15.2	16.5	13.7	12.7	13.4	8.7	6.1	7.4	---	---	---
17	16.2	14.2	15.1	13.3	10.0	11.7	9.2	7.4	8.3	5.5	3.4	4.6
18	14.9	12.6	13.9	---	---	---	9.1	8.1	8.6	3.4	1.3	2.5
19	15.1	12.6	13.9	---	---	---	10.5	8.7	9.3	4.3	1.8	2.9
20	16.2	13.9	15.0	11.8	10.3	11.1	11.3	8.9	10.5	6.4	2.2	4.3
21	17.7	16.2	17.0	13.2	11.8	12.4	8.9	6.5	7.6	10.2	6.4	8.6
22	16.9	15.7	16.4	12.2	9.4	11.0	9.8	6.5	8.1	10.3	8.4	9.7
23	15.7	15.2	15.4	9.5	7.7	8.7	9.1	6.8	8.2	8.4	2.3	5.6
24	16.4	15.1	15.7	10.4	7.5	9.0	9.2	8.0	8.6	2.8	0.2	1.6
25	15.9	15.5	15.6	10.5	8.0	9.3	8.9	6.9	8.2	4.2	1.2	2.6
26	16.6	15.3	15.9	10.8	8.0	9.5	7.1	5.9	6.6	6.1	3.5	4.5
27	17.3	15.7	16.6	11.0	8.4	10.3	6.8	5.1	6.1	5.2	2.9	4.1
28	19.0	17.1	17.7	8.4	6.6	7.5	7.0	5.0	6.1	5.6	1.9	3.9
29	18.8	17.2	18.3	7.8	5.1	6.6	8.3	5.7	7.0	8.2	5.6	6.9
30	17.5	15.8	16.8	10.2	7.4	8.7	8.4	6.2	7.4	8.9	8.2	8.7
31	15.8	13.7	14.7	---	---	---	10.3	8.0	8.9	8.9	7.7	8.2
MONTH	23.3	12.6	17.9	---	---	---	11.3	4.2	7.5	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8 DATUM 850.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.3	7.2	8.2	10.5	9.5	9.8	14.9	8.7	11.9	20.2	17.4	18.6
2	9.6	6.4	8.1	12.0	9.8	10.7	17.0	11.7	14.3	20.6	17.5	18.9
3	10.4	7.0	8.8	10.9	7.9	9.7	17.9	12.3	15.2	18.7	17.1	17.9
4	11.8	9.3	10.8	11.2	7.8	9.8	18.7	13.9	16.3	20.1	16.0	18.0
5	9.3	6.6	7.8	12.5	11.0	11.7	17.5	16.0	16.7	19.2	18.0	18.5
6	7.4	6.8	7.1	12.7	12.2	12.4	16.5	14.1	15.5	19.0	18.4	18.7
7	7.6	6.2	6.9	13.7	11.4	12.4	15.5	14.5	15.1	19.0	17.9	18.5
8	6.8	4.9	6.0	13.0	11.0	12.1	14.5	12.6	13.4	20.2	18.4	19.3
9	8.2	5.3	6.8	15.5	11.7	13.4	12.6	11.7	12.1	21.3	18.7	19.9
10	8.8	7.4	8.1	14.3	10.8	12.7	11.7	10.8	11.1	21.6	18.9	20.3
11	8.4	5.4	7.0	13.6	9.4	11.7	13.1	10.0	11.5	20.7	18.5	19.8
12	9.1	5.6	7.4	14.8	9.7	12.4	16.2	10.3	13.3	19.5	17.0	18.2
13	9.0	5.7	7.4	16.6	12.3	14.5	17.6	12.3	15.0	18.8	15.3	17.2
14	7.8	6.5	7.2	15.9	13.2	14.2	18.1	12.6	15.5	17.5	15.9	16.7
15	11.2	7.7	9.4	13.2	11.8	12.3	18.8	13.8	16.3	18.5	16.5	17.3
16	11.2	6.7	8.8	15.2	11.9	13.2	18.6	14.4	16.6	19.9	17.8	18.7
17	7.1	6.2	6.6	13.9	12.6	13.1	17.0	15.0	16.2	19.7	18.5	19.1
18	8.7	6.3	7.4	14.1	13.3	13.7	16.5	15.4	16.2	19.1	17.8	18.2
19	8.9	5.9	7.5	14.4	13.9	14.1	16.3	14.4	15.3	17.8	16.2	16.8
20	11.0	8.1	9.5	13.9	12.6	13.0	16.1	15.4	15.7	17.2	15.7	16.3
21	10.3	9.5	9.9	16.1	12.6	14.1	17.1	15.5	16.2	17.8	16.6	17.2
22	12.6	10.3	11.4	15.4	11.9	13.8	17.7	14.7	16.2	17.9	17.5	17.7
23	12.1	9.7	10.8	15.4	11.5	13.5	17.3	12.8	15.1	18.7	17.0	17.7
24	12.2	8.3	10.2	15.9	11.1	13.7	15.4	12.7	14.3	19.8	17.5	18.5
25	11.7	9.4	10.7	16.5	11.4	14.2	16.4	14.3	15.3	19.5	16.9	18.3
26	10.7	8.7	9.2	16.7	13.1	15.2	17.9	15.4	16.6	20.4	18.4	19.2
27	8.7	7.8	8.0	18.4	14.6	16.4	18.6	14.8	16.7	19.6	17.0	18.4
28	11.1	8.0	9.3	17.5	15.6	16.6	19.2	15.1	17.0	19.6	16.1	17.9
29	---	---	---	17.2	14.7	15.9	19.5	15.5	17.6	19.4	16.5	17.9
30	---	---	---	14.7	11.4	13.2	20.4	16.9	18.6	19.6	16.0	17.8
31	---	---	---	13.2	8.8	11.1	---	---	---	20.5	16.9	18.6
MONTH	12.6	4.9	8.4	18.4	7.8	13.1	20.4	8.7	15.2	21.6	15.3	18.3

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8 DATUM 850.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.4	17.5	18.9	---	---	---	24.1	22.2	23.0	25.2	23.1	24.1
2	19.6	16.0	17.9	---	---	---	24.4	22.2	23.2	24.8	22.3	23.5
3	19.6	17.9	18.7	---	---	---	23.7	22.3	23.0	24.7	22.4	23.5
4	21.8	19.0	20.3	---	---	---	---	---	---	24.7	22.4	23.5
5	21.2	18.1	19.7	---	---	---	---	---	---	23.7	21.8	22.8
6	19.8	18.2	19.1	---	---	---	---	---	---	22.7	21.4	22.1
7	21.7	19.6	20.7	---	---	---	---	---	---	21.5	20.0	20.8
8	22.5	20.9	21.6	23.7	21.1	22.3	---	---	---	21.4	18.9	20.2
9	22.2	19.6	20.9	24.3	21.5	22.9	---	---	---	21.6	18.7	20.1
10	---	---	---	23.3	21.9	22.5	---	---	---	21.3	19.1	20.2
11	22.9	19.9	21.4	23.9	21.9	22.8	---	---	---	21.3	18.6	20.0
12	22.4	20.3	21.4	24.0	21.5	22.7	---	---	---	21.2	18.4	19.8
13	22.2	20.6	21.3	24.2	21.9	23.0	---	---	---	21.1	17.7	19.5
14	22.6	21.2	21.8	22.9	21.7	22.2	---	---	---	21.6	18.8	20.2
15	22.4	20.5	21.5	23.3	21.3	22.3	25.0	22.4	23.6	22.2	20.1	21.1
16	22.5	20.6	21.6	23.6	21.5	22.6	24.6	22.9	23.7	21.4	18.9	20.2
17	22.0	20.8	21.2	24.1	21.6	22.8	24.6	22.2	23.3	21.0	18.4	19.7
18	21.6	20.5	21.1	24.3	21.9	23.0	25.0	22.4	23.6	20.5	16.9	18.8
19	---	---	---	24.2	21.6	22.9	24.7	22.7	23.8	20.8	17.4	19.2
20	---	---	---	24.5	22.0	23.2	25.1	23.4	24.4	21.4	18.1	19.8
21	---	---	---	24.7	21.9	23.2	25.2	23.1	24.2	21.1	18.5	19.9
22	---	---	---	23.4	22.1	22.6	24.8	22.5	23.7	22.4	20.5	21.1
23	---	---	---	23.1	21.5	22.2	24.8	22.5	23.7	22.0	20.1	21.1
24	---	---	---	23.5	20.7	22.1	24.0	22.4	23.3	20.7	18.1	19.5
25	---	---	---	23.0	19.9	21.6	24.4	22.5	23.3	21.0	18.0	19.5
26	---	---	---	23.3	21.0	22.1	24.7	21.9	23.3	20.8	18.0	19.5
27	---	---	---	24.0	21.2	22.5	24.8	22.2	23.5	21.2	18.2	19.7
28	---	---	---	24.7	21.7	23.1	25.1	22.5	23.7	20.5	18.0	19.7
29	---	---	---	25.0	22.2	23.6	24.9	22.2	23.5	18.0	14.9	16.3
30	---	---	---	23.9	22.2	22.8	25.6	23.6	24.4	16.7	13.5	15.2
31	---	---	---	23.8	21.6	22.6	25.6	23.7	24.6	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	25.2	13.5	20.4

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8 DATUM 850.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17	7.6	10	19	10	13	16	<5.0	<5.0	261	38	90
2	---	---	---	16	7.1	9.6	29	<5.0	5.4	52	20	26
3	---	---	---	14	6.3	7.8	18	<5.0	6.7	68	19	32
4	---	---	---	30	10	16	13	<5.0	7.1	28	14	18
5	11	<5.0	5.2	559	9.3	67	521	5.3	113	23	11	14
6	10	<5.0	<5.0	372	70	116	---	---	---	54	11	13
7	205	<5.0	50	74	34	47	59	13	17	16	10	12
8	28	7.0	11	69	19	30	16	9.0	12	---	---	---
9	14	<5.0	7.0	108	14	24	11	7.0	8.2	---	---	---
10	68	5.3	8.3	89	9.3	12	598	6.6	12	---	---	---
11	44	7.7	18	>1200	8.7	184	405	55	97	---	---	---
12	12	<5.0	6.8	184	58	96	67	24	35	---	---	---
13	52	5.3	11	75	30	44	207	26	85	---	---	---
14	12	<5.0	6.3	421	28	50	60	25	37	15	6.7	8.5
15	>1200	5.1	405	34	16	20	---	---	---	14	6.9	8.5
16	384	71	121	572	34	236	---	---	---	62	7.6	9.6
17	72	34	46	84	30	48	---	---	---	38	11	16
18	39	19	24	---	---	---	---	---	---	14	8.4	10
19	28	14	17	---	---	---	72	5.2	6.5	96	7.5	9.6
20	141	10	13	85	11	18	600	56	130	58	10	28
21	79	16	34	114	14	44	---	---	---	13	8.1	9.7
22	52	8.0	14	---	---	---	---	---	---	33	8.7	11
23	29	6.2	8.8	---	---	---	---	---	---	13	7.9	9.1
24	14	5.2	6.9	159	20	34	>1200	9.9	279	12	8.7	9.8
25	12	5.4	6.8	90	20	36	202	85	112	16	6.8	8.5
26	9.4	<5.0	6.2	89	15	24	98	46	59	13	7.2	7.9
27	11	<5.0	<5.0	19	10	14	55	35	43	12	7.0	7.8
28	1170	<5.0	5.4	50	6.9	14	38	25	32	21	6.9	8.1
29	630	68	143	15	5.2	6.5	60	18	23	188	8.3	11
30	76	26	45	10	<5.0	5.1	27	16	18	942	77	183
31	37	15	21	---	---	---	92	14	18	80	25	40
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8 DATUM 850.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	27	17	20	21	15	18	44	12	13	207	10	12
2	19	12	15	32	14	17	158	11	14	247	14	34
3	15	9.5	12	41	12	14	36	16	21	24	11	14
4	770	11	133	25	12	14	106	15	21	26	9.2	12
5	54	16	24	118	11	12	---	---	---	485	8.4	12
6	174	12	15	735	118	278	---	---	---	909	214	428
7	266	38	81	190	71	104	---	---	---	351	106	166
8	38	16	24	96	49	74	---	---	---	169	59	87
9	21	15	17	72	31	42	---	---	---	64	37	46
10	142	18	66	58	22	39	133	12	16	41	23	32
11	37	16	22	---	---	---	153	22	52	32	20	23
12	29	12	15	---	---	---	25	12	15	24	14	17
13	19	11	13	---	---	---	15	8.9	11	17	12	14
14	27	10	13	26	11	13	16	7.8	9.8	14	10	12
15	19	9.3	11	79	12	38	24	8.3	11	327	10	147
16	653	10	219	30	12	15	57	9.8	16	115	38	54
17	173	30	63	126	12	17	496	9.3	12	42	22	36
18	43	19	26	81	20	31	177	24	35	368	24	164
19	23	16	19	1100	16	170	28	13	16	140	43	81
20	26	15	18	>1200	138	276	26	11	12	84	29	39
21	56	18	32	152	54	87	181	9.4	13	924	26	33
22	>1200	33	326	60	31	43	84	14	20	909	52	328
23	381	81	122	39	24	31	25	11	15	124	53	73
24	82	42	60	29	22	25	18	10	12	56	30	39
25	45	28	34	32	18	21	408	11	165	128	24	28
26	60	21	25	29	16	18	582	42	124	111	26	63
27	96	37	54	34	15	18	43	19	26	28	18	21
28	62	18	30	30	13	18	29	13	18	24	14	17
29	---	---	---	24	11	14	19	12	14	24	11	15
30	---	---	---	40	12	23	21	11	13	17	11	13
31	---	---	---	43	10	14	---	---	---	18	9.6	12
MAX	1200	81	326	---	---	---	---	---	---	924	214	428
MIN	15	9.3	11	---	---	---	---	---	---	14	8.4	12

> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335503 LONGITUDE 0835317 NAD27 DRAINAGE AREA 30.8 CONTRIBUTING DRAINAGE AREA 30.8 DATUM 850.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	40	9.3	12	---	---	---	223	24	71	71	17	30
2	67	9.6	16	---	---	---	27	14	21	18	9.2	13
3	487	12	72	---	---	---	>1200	14	19	19	8.2	9.9
4	582	36	68	---	---	---	---	---	---	21	6.9	8.7
5	53	15	23	---	---	---	---	---	---	15	5.5	7.0
6	544	14	17	---	---	---	---	---	---	16	5.4	7.0
7	>1200	65	266	---	---	---	---	---	---	16	<5.0	6.0
8	691	70	134	44	23	31	---	---	---	11	<5.0	5.8
9	74	35	49	39	19	26	---	---	---	13	<5.0	5.7
10	49	25	31	1150	23	30	---	---	---	15	<5.0	<5.0
11	90	23	26	569	67	158	---	---	---	9.0	<5.0	<5.0
12	75	20	32	229	29	41	---	---	---	6.5	<5.0	<5.0
13	1090	20	28	1130	36	96	---	---	---	17	<5.0	<5.0
14	>1200	97	244	>1200	108	202	---	---	---	12	<5.0	<5.0
15	355	89	128	171	47	77	107	36	52	16	<5.0	<5.0
16	1150	61	105	219	34	42	---	---	---	8.1	<5.0	<5.0
17	1170	158	411	108	25	32	---	---	---	12	<5.0	<5.0
18	1060	143	283	50	21	28	---	---	---	9.5	<5.0	<5.0
19	---	---	---	180	21	27	32	6.1	9.1	6.8	<5.0	<5.0
20	---	---	---	960	18	24	>1200	6.8	183	7.9	<5.0	<5.0
21	---	---	---	168	24	41	159	38	66	5.9	<5.0	<5.0
22	---	---	---	279	40	49	66	21	30	1160	<5.0	<5.0
23	---	---	---	453	53	170	33	12	17	468	48	104
24	---	---	---	276	39	78	27	9.6	12	75	17	27
25	---	---	---	109	28	44	27	6.0	9.3	22	9.0	15
26	---	---	---	63	22	31	18	8.3	11	20	5.5	8.6
27	---	---	---	24	14	17	21	6.2	9.2	94	<5.0	6.2
28	---	---	---	146	14	18	357	5.3	7.7	117	10	54
29	---	---	---	127	22	40	44	6.6	11	20	<5.0	5.3
30	---	---	---	132	20	46	872	7.6	166	18	<5.0	<5.0
31	---	---	---	184	20	42	509	30	75	---	---	---
MAX	---	---	---	---	---	---	---	---	---	1160	48	104
MIN	---	---	---	---	---	---	---	---	---	5.9	5.0	5.0

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

ALTAMAHA RIVER BASIN
2003 Water Year

02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA

LOCATION.—Lat 33°55'03", long 83°53'17" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, 8.0 feet downstream of bridge at New Hope Road, and 4.2 miles northeast of Grayson.

DRAINAGE AREA.—30.8 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—October 15, 1996 to current year.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory and Missouri District Water Quality Laboratory. Field values with analyzing agency code 1028 are median values of cross-section field data at the time of sample collection. Field determinations of discharge, specific conductance, pH, water temperature, air temperature, dissolved oxygen, and turbidity by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Hydro-logic condi-tion	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Sam-pling method, code (82398)	Tur-bidity, NTU (00076)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Hard-ness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
OCT													
24...	0955	--	9	9	81213	3.16	28	10	9.2	6.8	101	28	7.90
DEC													
10-10	1815	2325	A	J	81213	--	--	55	360	6.8	71	18	5.00
18...	1045	--	9	9	81213	3.66	29	10	9.4	7.0	83	27	7.20
19-20	2330	0830	A	J	81213	--	--	55	340	6.8	58	18	5.00
FEB													
20...	1415	--	9	9	81213	3.71	42	10	14	6.8	77	23	6.30
APR													
01...	0940	--	9	9	81213	3.57	38	10	9.0	6.8	74	23	6.10
21-21	1605	2015	A	J	81213	--	--	--	100	6.6	79	22	5.90
MAY													
15-15	0520	1330	A	J	81213	--	--	55	230	6.5	71	21	5.70
JUN													
24...	1015	--	9	9	81213	4.15	--	10	20	7.2	V86f	23	6.20
JUL													
29...	0855	--	9	9	81213	3.43	37	10	26	7.1	81	23	6.30
AUG													
20-20	0425	0700	A	J	81213	--	--	55	>1000a	6.2	50	12	3.50
SEP													
22-22	1615	2005	8	J	81213	--	--	55	770	5.7	51	13	3.60

02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA —continued.

Date	Magnes-ium, water, fltrd, mg/L (00925)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Residue vola-tile, sus-pended, mg/L (00535)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, unfltrd mg/L (00600)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)
OCT													
24...	2.00	69	6	4	.30	.096	.38	.380	<.02	<.02	.68	<.1	<5
DEC													
10-10	1.40	45	415	59	1.4	.145	.42	.410	.30	.27	1.8	2.8	12
18...	2.10	57	4	2	.20	.085	.50	.510	<.02	<.02	.71	.5	<5
19-20	1.30	E38	319	44	.40	.076	.37	.410	.11	.21	.81	--	12
FEB													
20...	1.80	47	5	<1	.80	.065	.50	.520	<.02	<.02	1.3	.4	<5
APR													
01...	1.80	51	10	2	<.20	.043	.48	.470	<.02	<.02	--	.4	<5
21-21	1.70	54	122	20	.90	.260	.76	.760	<.02	.09	1.7	2.0	<5
MAY													
15-15	1.60	51	243	42	1.1	.069	.46	.470	<.02	.17	1.6	E3.5	12
JUN													
24...	1.80	52	12	7	<.20	.053	.43	.430	<.02	<.02	--	.7	<5
JUL													
29...	1.80	56	11	7	<.20	A.060	.50	.520	<.02	<.02	--	.7	<5
AUG													
20-20	.91	33	1050	130	2.6	A.239	.53	.520	<.02	.57	3.1	6.9	18
SEP													
22-22	.96	33	752	110	2.6	A.051	.40	.400	<.02	.46	3.0	4.5	20

Date	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Zinc, water, unfltrd recover-able, ug/L (01092)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sampler type, code (84164)
OCT									
24...	<.5	<1	<2	<2	286	3	--	18	3044
DEC									
10-10	<.5	8	9	15	857	55	48	724	4115
18...	<.5	<1	<2	<2	286	5	--	15	3044
19-20	<.5	5	7	12	687	47	--	467	4115
FEB									
20...	<.5	<1	<2	<2	226	5	--	11	3044
APR									
01...	<.5	<1	<2	<2	281	5	--	18	3044
21-21	<.5	2	3	6	665	20	78	161	--
MAY									
15-15	<.5	5	5	9	887	40	77	298	4115
JUN									
24...	<.5	<1	<2	<2	228	4	--	26	3044
JUL									
29...	<.5	<1	<2	<2	227	3	--	24	3044
AUG									
20-20	.2	22	21	40	2060	113	63	1620	4115
SEP									
22-22	<.5	16	14	32	2530	98	17	1260	4115

02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA —continued.

Date	Time	Ending time	Hydrologic condition	Hydrologic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT													
24...	1000	--	A	9	1028	3.16	28	40	9.4	8.9	90	6.8	90
DEC													
11-11	0855	0900	A	J	1028	5.36	183	40	120	11.0	92	6.7	54
18...	1050	--	A	9	1028	3.66	29	40	11	9.6	83	6.7	83
20-20	0720	0725	A	J	1028	5.78	248	40	330	11.6	109	6.9	51
FEB													
16-16	1400	1405	A	J	1028	6.51	385	40	370	10.7	91	7.0	52
20...	1425	--	A	9	1028	3.71	42	40	17	10.5	96	6.6	77
MAR													
11...	1500	--	A	9	80020	3.71	42	10	14	--	112	6.8	72
APR													
01...	1000	--	A	9	1028	3.57	38	40	11	10.8	95	6.3	75
30...	1430	--	A	9	1028	3.47	--	--	--	8.4	94	6.9	78
30...	1430	--	A	9	80020	--	--	280	9.3	--	--	--	--
MAY													
15-15	1210	1215	A	J	1028	3.93	62	40	250	8.8	91	6.9	72
JUN													
24...	1055	--	9	9	1028	4.15	--	40	22	8.7	97	6.9	72
JUL													
29...	0910	--	9	9	1028	3.43	37	40	31	7.8	91	6.9	77
AUG													
20-20	0900	0910	A	J	1028	7.90	731	40	490	7.0	86	6.1	50
SEP													
16...	1245	--	A	9	80020	3.26	22	10	7.1	7.5	82	6.7	76
22-22	1728	1732	8	J	--	4.01	61	40	590	7.5	88	6.3	54

Date	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Sampler type, code (84164)
OCT			
24...	17.5	15.3	--
DEC			
11-11	--	7.9	--
18...	10.0	8.3	--
20-20	--	11.0	--
FEB			
16-16	--	8.0	--
20...	19.5	10.5	--
MAR			
11...	16.0	13.5	3045
APR			
01...	23.0	9.4	8000
30...	--	19.6	--
30...	--	--	280
MAY			
15-15	--	16.8	8000
JUN			
24...	29.0	19.6	8000
JUL			
29...	32.0	22.2	8000
AUG			
20-20	--	24.2	8000
SEP			
16...	23.0	19.6	3045
22-22	--	21.7	8000

02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA —continued.

Remark codes used in this report:
   < -- Less than
   > -- Greater than
   A -- Average value
   E -- Estimated value
   S -- Most probable value
   V -- Contamination

Value qualifier codes used in this report:
   a -- Value was extrapolated above
   f -- Sample field preparation problem
   l -- Sample lab preparation problem
   q -- Insufficient sample received

ALTAMAHA RIVER BASIN
2003 Water Year

02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA

LOCATION.—Lat 33°55'03", long 83°53'17" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, 8.0 feet downstream of bridge at New Hope Road, and 4.2 miles northeast of Grayson.

DRAINAGE AREA.—30.8 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities, and U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---October 1996 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
MAR													
11...	1500	9	80020	3.71	42	10	14	742	--e	112	6.8	72	13.5
SEP													
16...	1245	9	80020	3.26	22	10	7.1	743	7.5	82	6.7	76	19.6

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)
MAR													
11...	2.95	9.0	.21	.07	.05	.47	<.008	.16	<.02	.03	.014	.69	.1
SEP													
16...	4.03	5.6	.16	.06	.04	.50	<.008	.12	<.02	<.02	.008	.67	.2

Date	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)
MAR													
11...	<.1	.1	1.8	25	<.09	<.006	<.1	<.005	E.006	<.004	<.004	E.004	<.006
SEP													
16...	<.1	.2	1.6	330	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006

02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA—continued.

Date	Ala-chlor, water, fltrd, ug/L (46342)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	Cyflu-thrin, water, fltrd, ug/L (61585)	Cyper-methrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)
MAR													
11...	<.004	.040	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004
SEP													
16...	<.004	.013	--u	<.050	<.010	E.006t	<.06	<.005	<.006	<.008	<.009	<.003	<.004

Date	Diaz-inon oxon, water, fltrd, ug/L (61638)	Diazi-non, water, fltrd, ug/L (39572)	Dicro-tophos, water fltrd, ug/L (38454)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)
MAR													
11...	<.04	.007	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
SEP													
16...	<.01	E.004n	<.08	<.005	<.006	<.03	<.004	<.008	--u	<.03	<.009	<.005	<.005

Date	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexa-zinone, water, fltrd, ug/L (04025)	Ipro-dione, water, fltrd, ug/L (61593)	Isofen-phos, water, fltrd, ug/L (61594)	Mala-oxon, water, fltrd, ug/L (61652)	Mala-thion, water, fltrd, ug/L (39532)	Meta-laxyl, water, fltrd, ug/L (61596)	Methi-althion water, fltrd, ug/L (61598)	Methyl para-oxon, water, fltrd, ug/L (61664)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)
MAR													
11...	<.007	<.002	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013
SEP													
16...	<.007	<.002	<.003	E.007	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013

Date	Metri-buzin, water, fltrd, ug/L (82630)	Myclo-butanil water, fltrd, ug/L (61599)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prome-ton, water, fltrd, ug/L (04037)	Prome-tryn, water, fltrd, ug/L (04036)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Ter-bufos oxon sulfone water, fltrd, ug/L (61674)
MAR													
11...	<.006	<.008	E.013	<.10	<.011	<.06	<.008	<.01	<.005	<.004	.104	<.02	<.07
SEP													
16...	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01n	<.005	<.004	.015	E.01n	<.07

Date	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Ter-buthyl-azine, water, fltrd, ug/L (04022)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Di-chlor-vos, water fltrd, ug/L (38775)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
MAR								
11...	<.02	<.01	<.009	<.01	--	--	15.00	3045
SEP								
16...	<.02	<.01	<.009	<.01	90	6	15.00	3045

02208150 ALCOVY RIVER AT NEW HOPE ROAD, NEAR GRAYSON, GA—continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
APR 30...	1430	D	26.2	E64	E90.30	1.9	4.3	280

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
n -- Below the NDV
t -- Below the long-term MDL

Null value qualifier codes used in this report:
e -- Required equipment not functional/avail
u -- Unable to determine-matrix interference

ALTAMAHA RIVER BASIN
2003 Water Year

02208177 CEDAR CREEK AT INDIAN SHOALS ROAD, NEAR DACULA, GA

LOCATION.—Lat 33°54'49", long 83°50'45" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Indian Shoals Road, 6.0 miles southeast of Dacula.

DRAINAGE AREA.—3.10 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1994 to current year.

GAGE.--Crest-stage partial-record gage. Datum of gage is 840.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 7.42 feet, October 5, 1995
DISCHARGE: 691 cfs, October 5, 1995

MAXIMUM FOR CURRENT YEAR.—
STAGE: 6.85 feet, March 20
DISCHARGE: 657 cfs, March 20

ALTAMAHA RIVER BASIN
2003 Water Year

02208192 BAY CREEK AT SHANNON ROAD, NEAR LOGANVILLE, GA

LOCATION.—Lat 33°52'36", long 83°52'54" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Shannon Road, 3.0 miles northeast of Loganville.

DRAINAGE AREA.—6.84 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1995 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 780.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 10.16 feet, March 20, 2003
DISCHARGE: 2,420 cfs, March 20, 2003

MAXIMUM FOR CURRENT YEAR.—
STAGE: 10.16 feet, March 20
DISCHARGE: 2,420 cfs, March 20

02208198 ALCOVY RIVER AT NEW HOPE CHURCH ROAD, NEAR MONROE, GA

LOCATION.—Lat 33^{0}50'23", Long 83^{0}47'16" referenced to North American Datum (NAD) of 1927, Walton County, Hydrologic Unit 03070103, on downstream side of bridge on New Hope Church Road, 6.0 miles east of Loganville, and 1.9 miles north of Between.

DRAINAGE AREA.—81.3 square miles.

COOPERATION.—Monroe Water, Light, and Gas Commission.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—August 10, 1992 to current water year.

GAGE.—Standard USGS vertical staff gage. Datum of gage 736.00 feet above National Geodetic Vertical Datum (NGVD) of 1929.

RATING.—Rating Number 2, effective September 9, 1992 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/23/02	2.64	69.9
02/03/03	3.18	115
04/18/03	3.40	139
06/05/03	3.30	136
08/15/03	3.01	107

02208300 ALCOVY RIVER AT US HIGHWAY 78, NEAR MONROE, GA

LOCATION.--Lat $33^{0}48'20"$, long $83^{0}45'34"$ referenced to North American Datum (NAD) of 1927, Walton County, Hydrologic Unit 03070103, on upstream side of bridge 3.2 miles west of Monroe.

DRAINAGE AREA.--99.0 square miles.

COOPERATION.—Monroe Water, Light, and Gas Commission.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.--August 10, 1992 to current water year.

GAGE.--Standard USGS reference point. Datum of gage 700.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.--Rating Number 3, effective November 2000 to current year.

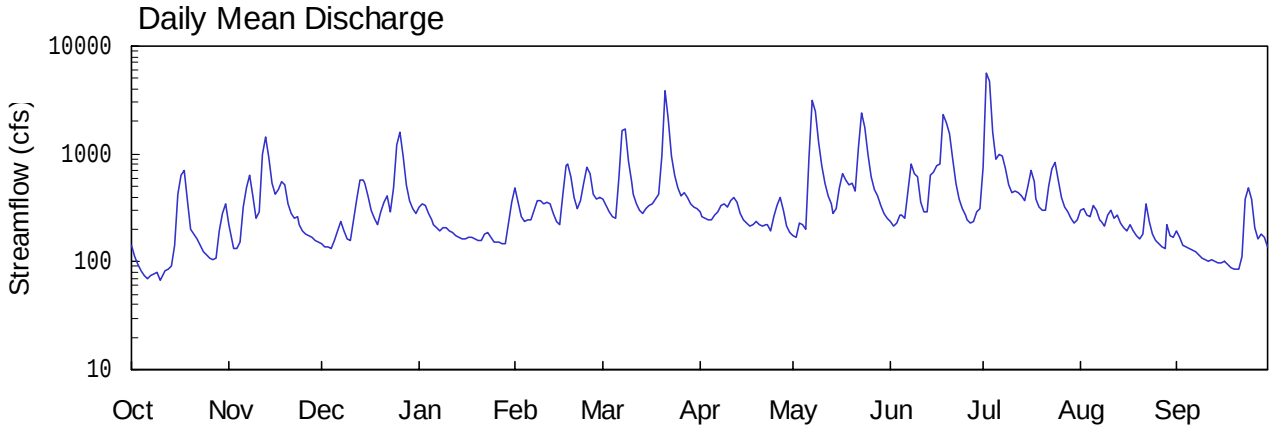
REMARKS.--Records good. Measurements for the current water year are as follows:

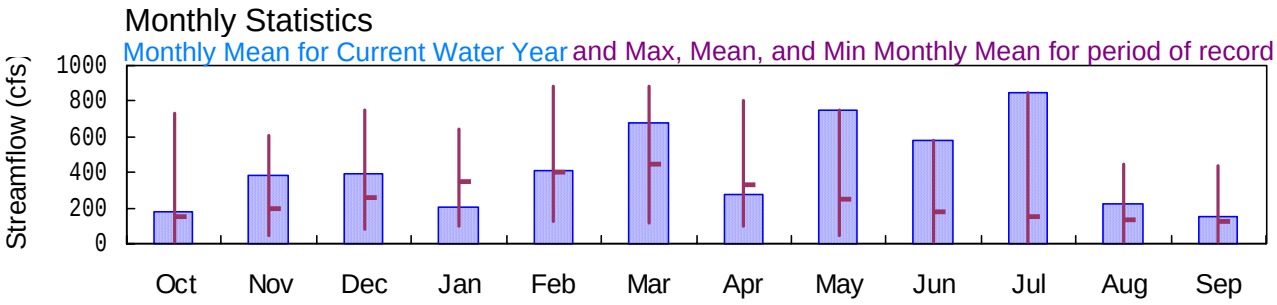
DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/23/02	2.81	74.8
02/03/03	3.26	140
04/18/03	3.26	135
06/05/03	3.54	174
08/15/03	3.14	124

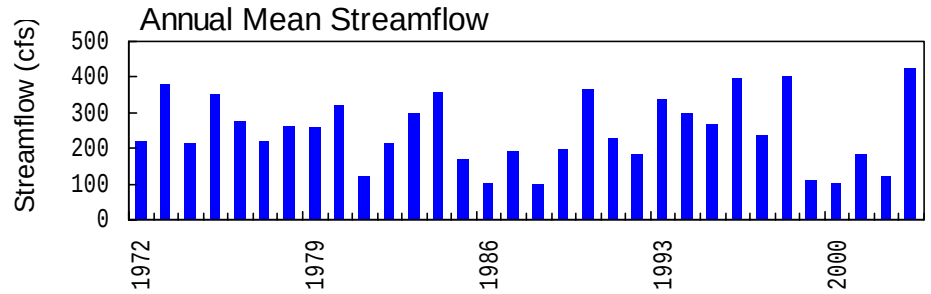
2003 Water Year

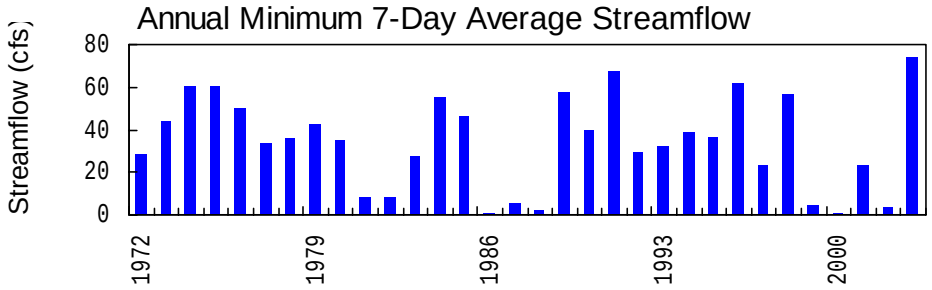
02208450 ALCOVY RIVER ABOVE COVINGTON, GA

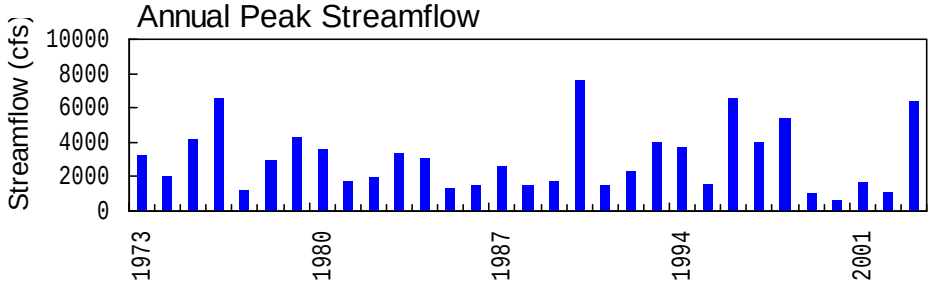
Latitude: 33°38'24" Longitude: 083°46'45" Hydrologic Unit Code: 03070103 Newton County
Drainage Area: 185 mi² Datum: 646.1 feet











ALTAMAHA RIVER BASIN
2003 Water Year

02208450 ALCOVY RIVER ABOVE COVINGTON, GA

LOCATION.—Lat 33°38'24", long 83°46'45" referenced to North American Datum (NAD) of 1927, Newton County, Hydrologic Unit 03070103, at bridge on Alcovy Road, 200.0 feet downstream from Strouds Creek, 200.0 feet upstream from Georgia Railroad bridge, and 6.0 miles northeast of Covington.

DRAINAGE AREA.—185 square miles, approximately, includes that of Strouds Creek.

COOPERATION.—City of Covington.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 1972 to current year.

GAGE.—Water-stage recorder. Datum of gage is 646.10 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment). Prior to October 1986, at site 400 feet upstream at same datum.

REMARKS.—Records good. Discharge affected by diversions for irrigation.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,800 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
12/26	1315	1,850	9.44
03/08	0330	2,070	9.75
03/21	1315	4,480	12.28
05/07	1300	3,490	11.35
05/23	0530	2,800	10.63
06/18	1745	3,750	11.61
07/02	2300	6,360*	13.73*

WATER-STAGE RECORDS

PERIOD OF RECORD.—January 1972 to current year.

GAGE.—Water-stage recorder. Datum of gage is 646.10 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment). Prior to October 1986, at site 400 feet upstream at same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.73 feet, July 2; minimum gage-height recorded, 2.09 feet, October 10.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208450 ALCOVY RIVER ABOVE COVINGTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 217
LATITUDE 333824 LONGITUDE 0834645 NAD27 DRAINAGE AREA 185 CONTRIBUTING DRAINAGE AREA 185* DATUM 646.10 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	141	221	145	321	487	379	290	174	233	762	305	192
2	111	158	139	344	350	328	264	171	214	5550	313	171
3	95	134	135	334	261	289	251	225	233	4700	267	144
4	83	132	134	277	240	263	242	219	268	1610	264	136
5	74	153	159	249	241	250	249	198	270	886	338	134
6	70	321	191	223	246	603	269	934	253	974	297	130
7	73	482	236	207	301	1650	290	3130	452	952	243	125
8	76	644	190	196	364	1710	338	2510	809	732	235	116
9	79	402	162	205	366	870	347	1290	659	517	216	109
10	68	250	156	209	344	557	322	792	619	436	267	105
11	78	289	241	194	362	419	367	534	361	452	300	101
12	82	990	377	185	349	347	396	407	287	442	250	103
13	85	1450	582	174	278	305	351	339	288	409	269	103
14	92	933	574	167	236	282	283	283	634	363	231	98
15	143	531	533	164	223	309	249	306	674	496	205	98
16	422	424	413	162	417	332	228	486	775	703	193	102
17	637	470	301	167	770	340	214	663	796	556	224	95
18	697	552	251	171	802	387	223	567	2300	380	191	87
19	369	511	223	160	609	418	233	522	1970	320	176	84
20	202	343	293	155	396	953	223	533	1550	295	164	85
21	181	279	362	156	316	3800	212	456	899	297	182	84
22	163	253	406	180	368	2080	224	1130	543	497	347	113
23	141	261	293	187	541	942	224	2360	388	717	241	376
24	123	221	480	167	747	641	195	1740	314	823	182	484
25	114	196	1220	153	668	485	259	997	272	565	159	377
26	107	182	1620	151	423	406	334	618	245	400	148	206
27	105	174	944	150	381	431	395	474	226	322	139	166
28	108	167	510	145	389	392	296	406	236	289	134	178
29	192	156	375	147	---	342	217	329	295	252	221	166
30	279	150	311	226	---	325	190	284	315	232	173	137
31	345	---	277	361	---	309	---	257	---	248	169	---
TOTAL	5535	11429	12233	6287	11475	21144	8175	23334	17378	26177	7043	4605
MEAN	179	381	395	203	410	682	272	753	579	844	227	154
MAX	697	1450	1620	361	802	3800	396	3130	2300	5550	347	484
MIN	68	132	134	145	223	250	190	171	214	232	134	84
CFSM	0.97	2.06	2.13	1.10	2.22	3.69	1.47	4.07	3.13	4.56	1.23	0.83
IN.	1.11	2.30	2.46	1.26	2.31	4.25	1.64	4.69	3.49	5.26	1.42	0.93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2003, BY WATER YEAR (WY)

MEAN	155	194	261	344	403	449	334	249	177	150	137	121
MAX	731	604	750	643	880	886	804	753	579	844	450	440
(WY)	1996	1996	1984	1996	1998	1975	1973	2003	2003	2003	1994	1994
MIN	7.66	42.4	83.1	102	129	118	100	48.5	7.89	5.91	9.14	11.8
(WY)	1988	1982	1988	1981	1989	1988	1986	2000	1988	1986	2002	1987

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1972 - 2003	
ANNUAL TOTAL	67434.5		154815			
ANNUAL MEAN	185		424		248	
HIGHEST ANNUAL MEAN					424	2003
LOWEST ANNUAL MEAN					99.4	1988
HIGHEST DAILY MEAN	1620	Dec 26	5550	Jul 2	6470	Mar 18 1990
LOWEST DAILY MEAN	2.3	Sep 8	68	Oct 10	0.18	Jul 22 2000
ANNUAL SEVEN-DAY MINIMUM	3.9	Sep 7	74	Oct 5	0.73	Jul 16 1986
MAXIMUM PEAK FLOW			6360	Jul 2	7620	Mar 18 1992
MAXIMUM PEAK STAGE			13.73	Jul 2,3	14.79	Mar 16 1976
ANNUAL RUNOFF (CFSM)	1.00		2.29		1.34	
ANNUAL RUNOFF (INCHES)	13.56		31.13		18.21	
10 PERCENT EXCEEDS	423		782		510	
50 PERCENT EXCEEDS	135		283		159	
90 PERCENT EXCEEDS	12		133		46	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02208450 ALCOVY RIVER ABOVE COVINGTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 217
LATITUDE 333824 LONGITUDE 0834645 NAD27 DRAINAGE AREA 185 CONTRIBUTING DRAINAGE AREA 185* DATUM 646.10 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.11	3.93	3.21	4.67	5.63	5.03	4.46	3.52	4.05	6.20	4.56	3.70
2	2.76	3.36	3.15	4.81	4.85	4.72	4.28	3.49	3.89	13.12	4.62	3.48
3	2.55	3.09	3.11	4.75	4.25	4.46	4.19	3.97	4.04	12.38	4.30	3.21
4	2.38	3.07	3.09	4.37	4.10	4.27	4.11	3.93	4.31	9.00	4.28	3.11
5	2.24	3.30	3.36	4.16	4.11	4.17	4.17	3.75	4.32	7.33	4.77	3.10
6	2.17	4.66	3.69	3.96	4.14	6.04	4.31	7.05	4.20	7.63	4.51	3.05
7	2.23	5.59	4.07	3.84	4.53	9.10	4.46	10.97	5.35	7.57	4.12	2.99
8	2.27	6.37	3.67	3.74	4.94	9.20	4.78	10.27	7.04	6.73	4.06	2.88
9	2.32	5.14	3.40	3.81	4.95	7.26	4.84	8.43	6.44	5.78	3.91	2.79
10	2.14	4.17	3.33	3.85	4.81	5.97	4.68	6.97	6.25	5.35	4.29	2.73
11	2.29	4.44	4.10	3.71	4.93	5.26	4.96	5.85	4.91	5.44	4.53	2.69
12	2.36	7.55	5.01	3.63	4.85	4.83	5.13	5.19	4.44	5.39	4.17	2.71
13	2.41	8.79	6.09	3.52	4.37	4.56	4.86	4.78	4.45	5.21	4.31	2.71
14	2.50	7.48	6.05	3.45	4.07	4.41	4.42	4.42	6.29	4.93	4.03	2.65
15	3.08	5.83	5.86	3.42	3.96	4.59	4.16	4.56	6.50	5.66	3.82	2.65
16	5.29	5.29	5.22	3.40	5.14	4.74	4.00	5.59	6.91	6.62	3.70	2.70
17	6.47	5.54	4.54	3.45	6.89	4.79	3.89	6.45	6.99	5.96	3.97	2.60
18	6.74	5.95	4.18	3.49	7.02	5.08	3.96	6.02	9.46	5.03	3.69	2.49
19	4.95	5.74	3.97	3.38	6.20	5.25	4.05	5.80	9.52	4.66	3.54	2.46
20	3.74	4.81	4.47	3.32	5.13	7.21	3.96	5.86	8.96	4.50	3.42	2.47
21	3.56	4.38	4.93	3.34	4.64	11.63	3.87	5.46	7.36	4.50	3.59	2.45
22	3.40	4.19	5.19	3.58	4.95	9.66	3.98	7.48	5.89	5.68	4.83	2.80
23	3.17	4.25	4.48	3.65	5.89	7.52	3.97	10.09	5.08	6.67	4.09	4.99
24	2.96	3.95	5.47	3.45	6.80	6.35	3.73	9.26	4.62	7.09	3.60	5.61
25	2.86	3.73	8.29	3.31	6.46	5.62	4.23	7.69	4.34	6.01	3.37	4.99
26	2.77	3.60	9.06	3.29	5.28	5.19	4.75	6.25	4.14	5.15	3.25	3.81
27	2.74	3.53	7.48	3.27	5.04	5.33	5.12	5.56	3.99	4.68	3.15	3.44
28	2.78	3.45	5.73	3.22	5.09	5.11	4.49	5.19	4.07	4.45	3.09	3.56
29	3.68	3.34	5.00	3.24	---	4.81	3.92	4.72	4.49	4.19	3.94	3.44
30	4.37	3.27	4.60	3.97	---	4.69	3.67	4.42	4.63	4.04	3.51	3.12
31	4.82	---	4.37	4.91	---	4.59	---	4.22	---	4.16	3.47	---
MEAN	3.26	4.73	4.78	3.74	5.11	5.85	4.31	6.04	5.56	6.16	3.95	3.18
MAX	6.74	8.79	9.06	4.91	7.02	11.63	5.13	10.97	9.52	13.12	4.83	5.61
MIN	2.14	3.07	3.09	3.22	3.96	4.17	3.67	3.49	3.89	4.04	3.09	2.45

02210000 JACKSON LAKE (LLOYD SHOALS) NEAR JACKSON, GA

LOCATION.—Lat 33°19'13", long 83°50'20" referenced to North American Datum (NAD) of 1927, Butts County, Hydrologic Unit 03070103, on Ocmulgee River, 1.0 mile upstream from bridge on GA 16, and 7.0 miles east of Jackson.

REMARKS.—Water levels and lake contents are collected by Georgia Power Corporation. Please see the following Internet location for more information:

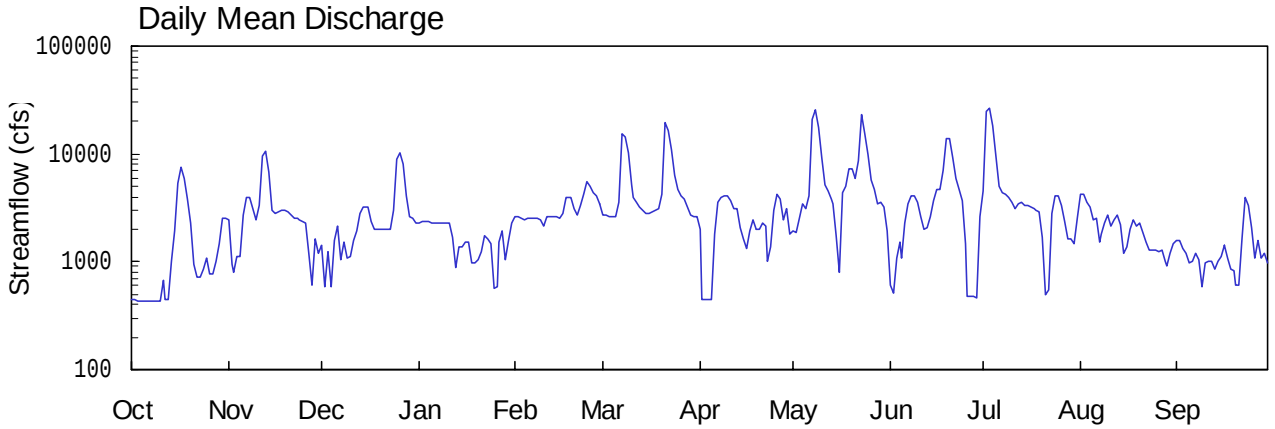
http://lakes.southernco.com/

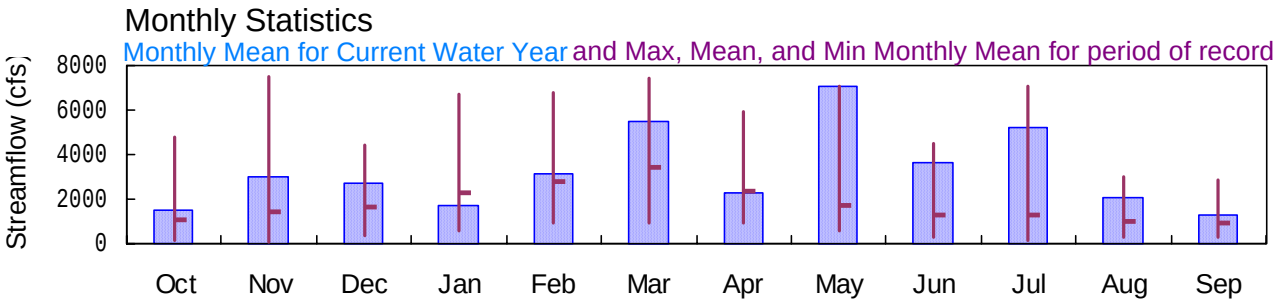
or call: 1-888-GPC-LAKE (1-888-472-5253)

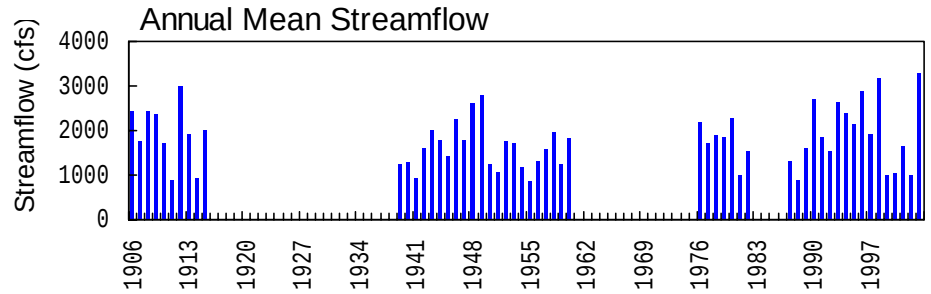
2003 Water Year

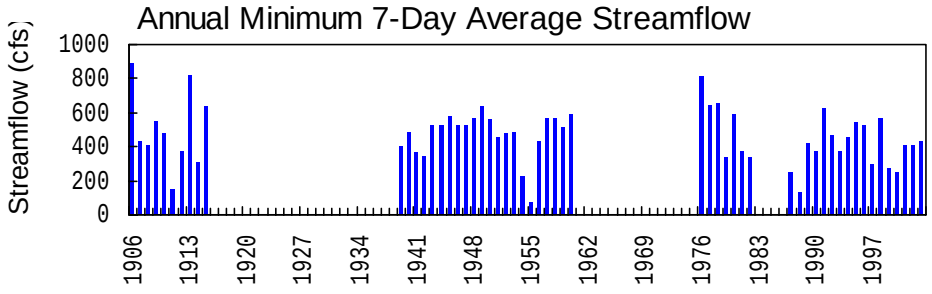
02210500 OCMULGEE RIVER NEAR JACKSON, GA

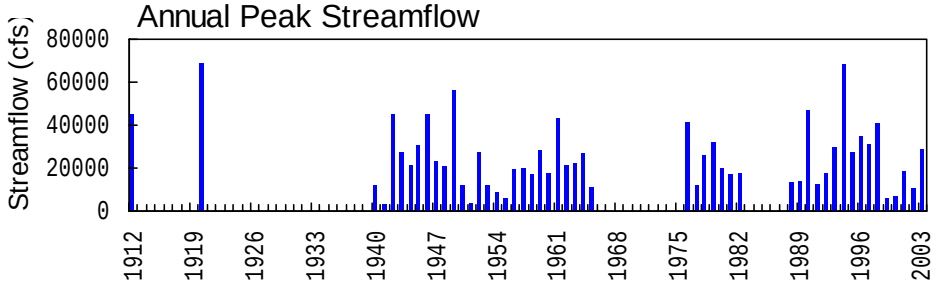
Latitude: 33°18'28" Longitude: 083°50'18" Hydrologic Unit Code: 03070103 Butts County
Drainage Area: 1420. mi^2 Datum: 419.2 feet











ALTAMAHA RIVER BASIN
2003 Water Year

02210500 OCMULGEE RIVER NEAR JACKSON, GA

LOCATION.—Lat 33°18'28", long 83°50'18" referenced to North American Datum (NAD) of 1927, Butts-Jasper County line, Hydrologic Unit 03070103, on right bank 500.0 feet upstream from bridge on GA 16, 0.5 miles upstream from Yellow Water Creek, 1.0 mile downstream from Lloyd Shoals Dam, and 7.0 miles east of Jackson.

DRAINAGE AREA.—1,420 square miles, approximately.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1906 to September 1915, August 1939 to September 1960, October 1975 to September 1982, March 1987 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 419.29 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to January 1, 1913, staff gages were located at this site. From January 1 to December 31, 1913, a water-stage recorder was located at this site. From January 1, 1914 to December 31, 1915, a staff gage was located at this site. From August 1, 1939 to September 30, 1960 and from October 1, 1975 to September 30, 1982, a water-stage recorder was located at this site. All were at present site and gage datum.

REMARKS.—Records good, except for periods of estimated discharge, which are poor. Flow regulated by Lloyd Shoals Reservoir since November 1910. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum gage-height, 26.8 feet, Dec. 11, 1919, from graph based on gage readings, discharge, 69,000 cfs, by computation of flow over dam.

02210500 OCMULGEE RIVER NEAR JACKSON, GA--continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1906 to September 1915, August 1939 to September 1960, October 1975 to September 1982, March 1987 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 419.29 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to January 1, 1913, staff gages were located at this site. From January 1 to December 31, 1913, a water-stage recorder was located at this site. From January 1, 1914 to December 31, 1915, a staff gage was located at this site. From August 1, 1939 to September 30, 1960 and from October 1, 1975 to September 30, 1982, a water-stage recorder was located at this site. All were at present site and gage datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 15.50 feet, July 3; minimum gage-height recorded, 3.76 feet, September 9.

PRECIPITATION RECORDS

PERIOD OF RECORD.—December 21, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02210500 OCMULGEE RIVER NEAR JACKSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 035
LATITUDE 331828 LONGITUDE 0835018 NAD27 DRAINAGE AREA 1420.00* CONTRIBUTING DRAINAGE AREA DATUM 419.29 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	446	2430	1410	2310	2600	2710	2030	1950	608	4520	4280	1560
2	449	961	586	2340	2590	2680	440	1860	509	25200	4250	1570
3	435	808	1240	2360	2580	2650	441	2540	1070	26500	3540	1320
4	425	1130	577	2340	2420	2630	449	3430	1510	18500	3230	1200
5	425	1140	1570	2310	2550	2630	454	3060	1070	9710	2420	982
6	427	2750	2130	2290	2550	3540	1820	4060	2290	4980	2510	1010
7	426	3970	1060	2280	2570	15600	3540	20800	3460	4350	1520	1200
8	429	3950	1530	2280	2580	14200	3940	25300	4110	4200	1800	1030
9	433	3100	1070	2300	2450	10100	4050	17400	4050	3900	2260	582
10	432	2470	1130	2280	2120	5140	4090	9330	3540	e3600	2760	984
11	677	3310	1570	2270	2620	3900	3700	5260	2590	e3100	2170	1000
12	441	9600	1950	1690	2630	3550	3080	4500	2000	3420	2460	1020
13	441	10700	2770	898	2610	3260	3080	3870	2090	3550	2670	864
14	1010	6700	3210	1380	2600	3010	2030	3450	2660	3370	2210	1020
15	1910	3010	3220	1370	2580	2850	1630	1750	3650	3300	1180	1120
16	5330	2820	3190	1530	2840	2800	1330	796	4660	3260	1370	1410
17	7550	2920	2400	1510	3940	2860	1960	4430	4620	3150	1980	1070
18	6000	3030	1980	984	3990	2970	2420	5050	7010	3060	2480	849
19	3800	2990	1980	980	3960	3080	2010	7250	13700	2880	2140	816
20	2300	2890	1990	1040	3090	4230	2010	7190	13800	1670	2260	608
21	e950	2740	1990	1220	2680	19300	2260	5970	9350	497	1900	608
22	e720	2570	2000	1770	3360	16700	2130	8630	6020	547	1500	1650
23	e730	2510	1990	1650	4170	10900	1010	22800	4710	2840	1300	3890
24	e860	2430	2960	1490	5520	6290	1380	15200	3740	4110	1280	3350
25	e1100	2340	9050	570	5070	4650	2970	9790	1500	4150	1300	2090
26	765	2260	10200	584	4320	4140	4250	5650	473	3360	1250	1090
27	765	1180	8090	1550	4020	3770	3750	4620	473	2350	1290	1560
28	e1000	612	4060	1930	3420	3190	2470	3500	474	1630	1010	1090
29	1450	1650	2630	1040	---	2680	3070	3550	464	1610	916	1180
30	2490	1190	2490	1550	---	2660	1820	3270	2650	1470	1200	983
31	2490	---	2310	2280	---	2650	---	1930	---	2560	1480	---
TOTAL	47106	90161	84333	52376	88430	171320	69614	218186	108851	161344	63916	38706
MEAN	1520	3005	2720	1690	3158	5526	2320	7038	3628	5205	2062	1290
MAX	7550	10700	10200	2360	5520	19300	4250	25300	13800	26500	4280	3890
MIN	425	612	577	570	2120	2630	440	796	464	497	916	582
CFSM	1.07	2.12	1.92	1.19	2.22	3.89	1.63	4.96	2.56	3.67	1.45	0.91
IN.	1.23	2.36	2.21	1.37	2.32	4.49	1.82	5.72	2.85	4.23	1.67	1.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2003, BY WATER YEAR (WY)

MEAN	1090	1398	1659	2316	2787	3447	2385	1732	1316	1304	994	930
MAX	4805	7493	4427	6735	6788	7434	5949	7038	4496	7089	3002	2842
(WY)	1996	1949	1993	1946	1998	1952	1979	2003	1912	1994	1994	1994
MIN	119	98.6	370	593	910	906	954	571	308	155	253	299
(WY)	1955	1955	1955	1956	1941	1988	1999	2000	1988	1988	1988	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1911 - 2003	
ANNUAL TOTAL	543656		1194343			
ANNUAL MEAN	1489		3272		1779	
HIGHEST ANNUAL MEAN					3272	2003
LOWEST ANNUAL MEAN					866	1955
HIGHEST DAILY MEAN	10700	Nov 13	26500	Jul 3	62900	Jul 6 1994
LOWEST DAILY MEAN	417	Mar 15	425	Oct 4,5	18	Nov 20 1910
ANNUAL SEVEN-DAY MINIMUM	422	Aug 19	428	Oct 4	75	Nov 19 1954
MAXIMUM PEAK FLOW			28600	Jul 3	68500	Jul 6 1994
MAXIMUM PEAK STAGE			15.50	Jul 3	26.87	Jul 6 1994
ANNUAL RUNOFF (CFSM)	1.05		2.30		1.25	
ANNUAL RUNOFF (INCHES)	14.24		31.29		17.02	
10 PERCENT EXCEEDS	3060		5570		3200	
50 PERCENT EXCEEDS	950		2430		1140	
90 PERCENT EXCEEDS	429		765		501	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02210500 OCMULGEE RIVER NEAR JACKSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 035
LATITUDE 331828 LONGITUDE 0835018 NAD27 DRAINAGE AREA 1420.00* CONTRIBUTING DRAINAGE AREA DATUM 419.29 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.99	5.31	4.71	5.26	5.38	5.43	5.01	4.95	4.17	6.22	6.12	4.73
2	3.99	4.45	4.15	5.27	5.38	5.41	3.98	4.91	4.06	14.34	6.11	4.74
3	3.97	4.36	4.60	5.28	5.37	5.40	3.98	5.23	4.49	14.80	5.80	4.59
4	3.96	4.56	4.14	5.27	5.30	5.39	3.99	5.74	4.85	11.97	5.66	4.52
5	3.96	4.56	4.80	5.26	5.36	5.39	4.00	5.58	4.53	8.45	5.26	4.39
6	3.96	5.38	5.17	5.24	5.36	5.79	4.88	6.02	5.12	6.42	5.32	4.41
7	3.96	5.99	4.46	5.24	5.37	10.79	5.80	12.78	5.76	6.15	4.74	4.52
8	3.96	5.98	4.79	5.24	5.37	10.34	5.97	14.38	6.05	6.09	4.92	4.42
9	3.97	5.60	4.48	5.25	5.29	8.62	6.02	11.56	6.02	5.96	5.20	4.14
10	3.97	5.33	4.52	5.24	5.08	6.48	6.04	8.28	5.80	---	5.44	4.39
11	4.16	5.70	4.83	5.24	5.39	5.96	5.87	6.53	5.37	---	5.16	4.40
12	3.98	8.39	5.09	4.85	5.39	5.80	5.59	6.22	5.08	5.74	5.29	4.42
13	3.98	8.88	5.45	4.35	5.38	5.67	5.59	5.95	5.05	5.80	5.39	4.35
14	4.40	7.14	5.65	4.69	5.38	5.55	5.05	5.76	5.40	5.72	5.10	4.42
15	5.07	5.55	5.65	4.69	5.37	5.48	4.77	4.85	5.85	5.69	4.50	4.47
16	6.57	5.47	5.64	4.79	5.48	5.46	4.61	4.30	6.28	5.67	4.61	4.64
17	7.50	5.51	5.29	4.78	5.97	5.48	4.96	6.18	6.26	5.62	4.97	4.45
18	6.85	5.56	5.10	4.42	5.99	5.54	5.22	6.44	7.29	5.58	5.27	4.32
19	5.90	5.55	5.10	4.42	5.98	5.59	4.99	7.37	10.12	5.49	5.07	4.30
20	5.25	5.50	5.10	4.46	5.60	6.09	4.98	7.34	10.16	4.77	5.13	4.17
21	---	5.43	5.10	4.59	5.41	12.25	5.13	6.84	8.29	4.05	4.93	4.17
22	---	5.37	5.11	4.89	5.72	11.31	5.05	7.91	6.85	4.05	4.69	4.77
23	---	5.34	5.11	4.81	6.07	8.96	4.42	13.53	6.30	5.48	4.57	5.95
24	---	5.31	5.54	4.71	6.64	6.97	4.62	10.72	5.88	6.05	4.56	5.71
25	---	5.27	8.17	4.13	6.45	6.28	5.45	8.49	4.70	6.07	4.58	5.07
26	4.32	5.23	8.65	4.14	6.14	6.06	6.11	6.70	4.02	5.71	4.54	4.45
27	4.32	4.54	7.73	4.80	6.01	5.90	5.89	6.26	4.02	5.25	4.57	4.73
28	---	4.17	6.01	4.99	5.74	5.64	5.25	5.78	4.02	4.86	4.41	4.46
29	4.75	4.87	5.39	4.42	---	5.41	5.58	5.80	4.01	4.78	4.35	4.51
30	5.33	4.56	5.33	4.78	---	5.40	4.95	5.68	5.27	4.68	4.52	4.39
31	5.34	---	5.26	5.23	---	5.40	---	4.92	---	5.25	4.71	---
MEAN	---	5.50	5.36	4.86	5.62	6.62	5.12	7.19	5.70	---	5.02	4.57
MAX	---	8.88	8.65	5.28	6.64	12.25	6.11	14.38	10.16	---	6.12	5.95
MIN	---	4.17	4.14	4.13	5.08	5.39	3.98	4.30	4.01	---	4.35	4.14

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02210500 OCMULGEE RIVER NEAR JACKSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 035
LATITUDE 331828 LONGITUDE 0835018 NAD27 DRAINAGE AREA 1420.00* CONTRIBUTING DRAINAGE AREA DATUM 419.29 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.17	0.00	0.04	0.00	0.01	0.00	3.80	0.66	0.00
2	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.68	0.00	0.00	0.00	0.00
3	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.01	0.26	0.00	0.14	0.00
4	0.01	0.30	0.00	0.00	0.31	0.03	0.00	0.00	0.03	0.01	0.43	0.03
5	0.01	0.33	0.37	0.00	0.00	0.91	0.40	0.01	0.00	0.35	0.00	0.00
6	0.68	0.10	0.00	0.00	0.63	1.58	0.06	0.52	0.21	0.01	0.15	0.12
7	0.05	0.00	0.00	0.00	0.05	1.09	2.14	0.05	0.65	0.86	0.01	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.02	0.00	0.02	0.00	0.00
9	0.01	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.01	0.00	0.00
10	0.04	0.01	0.41	0.00	0.50	0.00	0.17	0.01	0.00	---	0.00	0.00
11	0.00	1.53	0.01	0.00	0.00	0.00	0.02	0.01	0.00	---	0.19	0.00
12	0.00	1.17	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.00	0.16	0.00
13	0.91	0.00	0.93	0.00	0.00	0.00	0.00	0.00	1.07	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.65	0.00	0.00	0.00
15	1.68	0.00	0.00	0.00	0.00	0.25	0.00	---	0.03	0.00	0.00	0.00
16	0.01	1.21	0.00	0.18	1.83	0.00	0.00	---	0.48	0.00	0.01	0.00
17	0.00	0.00	0.00	0.00	0.00	0.69	0.62	---	0.14	0.79	0.21	0.00
18	0.00	0.00	0.00	0.00	0.00	0.01	0.70	---	0.19	0.29	0.01	0.00
19	0.00	0.00	0.63	0.00	0.00	0.20	0.00	---	0.59	0.62	1.48	0.00
20	0.11	0.00	0.28	0.00	0.00	1.10	0.00	0.00	0.00	0.09	0.00	0.00
21	---	0.00	0.00	0.00	0.13	0.01	0.00	0.37	0.00	0.26	0.00	0.00
22	---	0.00	0.01	0.49	1.16	0.00	0.00	1.20	0.00	1.09	0.00	1.95
23	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.00	0.01
24	---	0.00	1.93	0.00	0.00	0.00	0.21	0.00	0.00	0.01	0.00	0.00
25	---	0.00	0.01	0.00	0.01	0.00	1.27	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.05	0.00	0.00
27	0.02	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.02	0.01	0.05	0.00
28	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00
29	0.06	0.00	0.00	0.59	---	0.00	0.00	0.00	0.00	0.00	0.58	0.00
30	0.00	0.00	0.00	0.60	---	0.12	0.00	0.00	0.47	0.01	0.00	0.00
31	0.00	---	0.28	0.00	---	0.00	---	0.00	---	0.47	0.00	---
TOTAL	---	4.78	4.87	2.03	5.40	6.06	5.82	---	5.06	---	4.08	2.11

ALTAMAHA RIVER BASIN
2003 Water Year

02211258 TOWALIGA RIVER AT HAMPTON ROAD, NEAR HAMPTON, GA

LOCATION.—Lat $33^{0}22'34"$, long $84^{0}13'57"$ referenced to North American Datum (NAD) of 1927, Henry County, Hydrologic Unit 03070103, 3.5 miles east of Hampton, 3.0 miles west of intersection GA Highway 155 on Hampton Road, gage is downstream of bridge and can be reached from right bank.

DRAINAGE AREA.—10.9 square miles.

COOPERATION.—Henry County Water and Sewerage Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—August 2000 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 720.0 feet above National Geodetic Vertical Datum of 1929 (from topographic map).

RATING.—Rating Number 3, effective October 1, 2001 through February 28, 2003. Rating Number 4, effective February 28, 2003 through current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/01/02	0.87	0.39
12/09/02	1.18	4.62
02/24/03	1.70	21.9
04/17/03	1.10	12.1
08/01/03	0.95	9.03

02211270 TROUBLESOME CREEK NEAR GRIFFIN, GA

LOCATION.—Lat 33°18'33", long 84°11'22" referenced to North American Datum (NAD) of 1983, Spalding County, Hydrologic Unit 03070103, on downstream left bank 100 feet below GA Highway 155, 7.0 miles southwest of Interstate 75 at Locust Grove exit 212, 6.2 miles northeast of Griffin.

DRAINAGE AREA.—16.9 square miles.

COOPERATION.—Henry County Water and Sewerage Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—1954, 1976, 1978, 1980, 1981, August 9, 2000 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 670.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 2, effective October 1, 2001 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/01/02	1.30	1.90
12/09/02	1.84	6.32
02/24/03	2.57	29.6
04/17/03	2.29	16.4
08/01/03	2.76	38.6

ALTAMAHA RIVER BASIN
2003 Water Year

02211275 LONG BRANCH AT CR 299, NEAR LUELLA, GA

LOCATION.--Lat 33°20'36", long 84°09'24" referenced to North American Datum (NAD) of 1983, Henry County, Hydrologic Unit 03070103, on CR 299 (Frog Road), 2.6 miles west of Interstate 75, and 1.5 southeast of Luella.

DRAINAGE AREA.—1.80 square miles.

COOPERATOR.—Henry County Water and Sewerage Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—August 9, 2000 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 750.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.--Rating Number 02, effective October 1, 2001 to current year.

REMARKS.--Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/01/02	1.01	0.389
12/09/02	1.22	0.889
02/24/03	1.20	3.18
04/17/03	1.15	2.35
06/17/03	1.25	3.97
08/04/03	1.16	3.17

02211280 INDIAN CREEK AT CR 301, NEAR LOCUST GROVE, GA

LOCATION.—Lat 33^{0}21'44", long 84^{0}09'02" referenced to North American Datum (NAD) of 1983, Henry County, Hydrologic Unit 03070103, on downstream left bank 70.00 feet south of CR 301, 2.3 miles northwest of Interstate 75 at Locust Grove exit, 3.3 miles northeast of Luella.

DRAINAGE AREA.—7.30 square miles.

COOPERATION.—Henry County Water and Sewerage Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—August 9, 2000 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 730.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 2, effective October 1, 2001 to December 31, 2002. Rating Number 3, effective January 1, 2003 to current year.

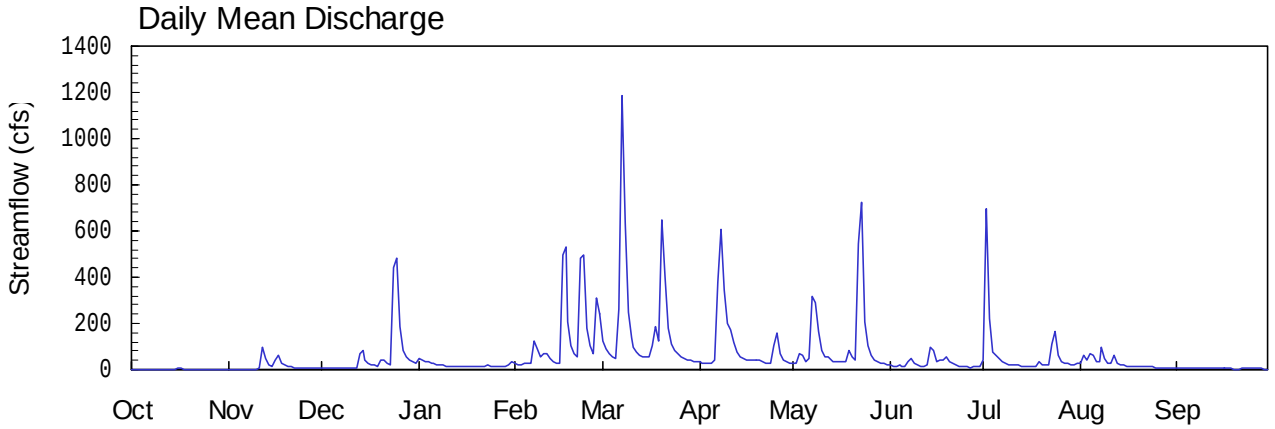
REMARKS.—Records good. Measurements for the current water year are as follows:

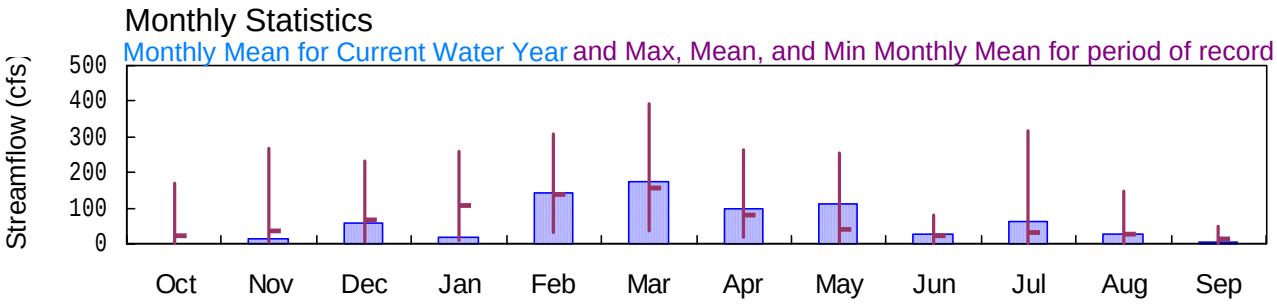
DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
12/09/02	0.90	3.67
02/24/03	1.97	17.0
04/17/03	1.87	13.5
06/17/03	2.20	20.0
08/04/03	1.83	10.6

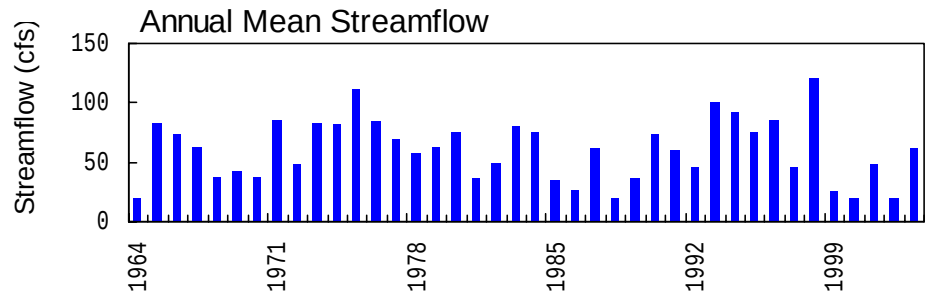
2003 Water Year

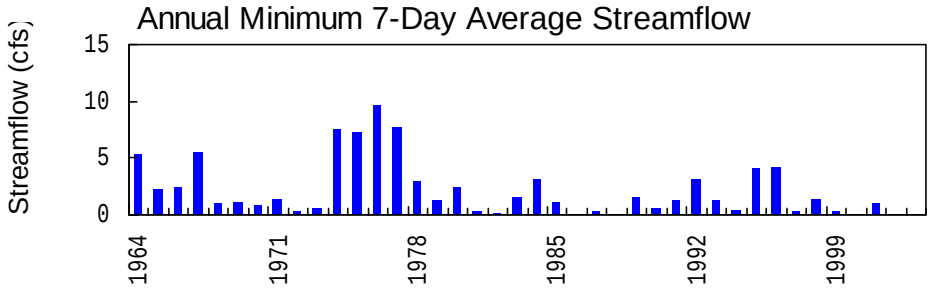
02212600 FALLING CREEK NEAR JULIETTE, GA

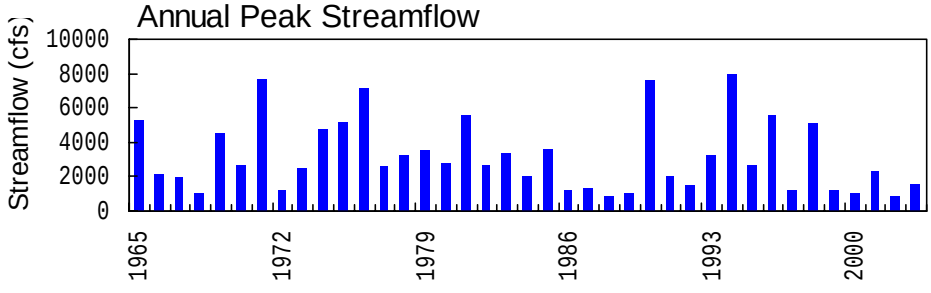
Latitude: 33°05'59" Longitude: 083°43'25" Hydrologic Unit Code: 03070103 Jones County
Drainage Area: 72.2 mi² Datum: 366.5 feet

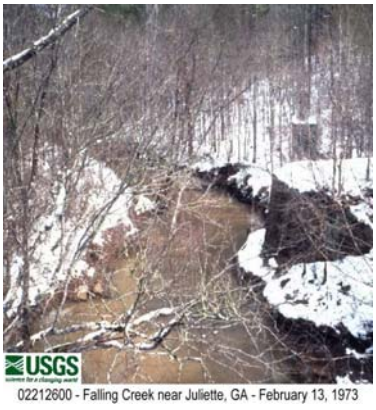












02212600 - Falling Creek near Juliette, GA - February 13, 1973

ALTAMAHA RIVER BASIN
2003 Water Year

02212600 FALLING CREEK NEAR JULIETTE, GA

LOCATION.—Lat 33°05'59", long 83°43'25" referenced to North American Datum (NAD) of 1927, Jones County, Hydrologic Unit 03070103, on left bank 300 feet upstream from bridge on County Road 1432, 4.0 miles upstream from Caney Creek, and 5.1 miles east of Juliette.

DRAINAGE AREA.—72.2 square miles.

COOPERATION.—USGS National Streamflow Information Program (NSIP).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1964 to current year.

GAGE.—Water-stage recorder. Datum of gage is 366.52 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by global positioning system equipment).

REMARKS.—Records good, except for discharges between 10.0 cfs and 1.00 cfs, which are fair, and discharges less than 1.00 cfs, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,100 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
03/07	1830	1,560*	12.12*
05/23	0245	1,170	10.34

WATER-STAGE RECORDS

PERIOD OF RECORD.—July 1964 to current year.

GAGE.—Water-stage recorder. Datum of gage is 366.52 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by global positioning system equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.12 feet, March 7; minimum gage-height recorded, 0.89 feet, October 4, 6.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02212600 FALLING CREEK NEAR JULIETTE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 169
LATITUDE 330559 LONGITUDE 0834325 NAD27 DRAINAGE AREA 72.2 CONTRIBUTING DRAINAGE AREA 72.2* DATUM 366.52 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.54	4.4	49	27	126	32	26	21	39	27	7.3
2	0.00	0.33	4.2	44	22	92	31	26	16	700	65	6.9
3	0.00	0.24	3.9	37	19	70	30	68	16	221	40	7.0
4	0.00	0.41	3.7	34	25	55	28	62	20	75	72	6.6
5	0.00	0.65	4.7	30	29	50	31	38	16	60	65	7.1
6	0.01	0.85	6.0	25	26	259	42	49	15	46	35	7.3
7	0.01	1.2	5.9	20	123	1180	377	316	35	36	35	7.8
8	0.00	2.3	5.3	19	91	631	607	292	46	27	95	6.7
9	0.00	2.2	4.9	18	54	249	344	163	26	23	47	6.0
10	0.00	2.0	5.0	17	68	141	203	83	20	21	28	5.6
11	0.00	5.3	6.8	16	66	99	174	57	16	22	27	5.3
12	0.00	94	7.6	15	46	78	118	58	15	19	65	4.9
13	0.23	50	68	14	35	65	79	40	18	17	31	4.7
14	0.00	21	84	14	29	57	57	33	94	17	23	4.6
15	0.54	12	42	14	25	57	45	34	80	17	19	4.6
16	8.7	43	28	13	496	57	40	36	36	16	17	4.5
17	6.0	63	21	14	534	102	38	33	41	15	17	4.3
18	2.9	29	18	13	208	189	43	31	45	14	16	3.9
19	1.6	18	16	13	105	126	45	84	52	32	14	3.4
20	1.0	13	42	13	70	648	38	56	35	24	13	3.2
21	0.99	11	39	12	56	399	34	40	26	24	13	3.2
22	1.3	9.1	28	15	485	183	31	546	19	21	12	3.6
23	1.1	7.6	22	18	494	111	28	724	15	112	11	5.8
24	0.94	6.8	439	15	180	84	26	210	13	164	10	5.6
25	0.93	6.1	486	14	103	66	102	101	12	59	9.9	4.9
26	0.81	5.6	185	13	72	55	157	61	11	35	9.2	4.2
27	0.69	5.2	85	13	311	47	71	43	10	29	8.4	3.7
28	0.70	5.1	53	12	242	42	45	34	13	25	7.8	3.5
29	1.1	5.0	39	12	---	39	34	29	13	22	8.2	3.0
30	0.99	4.6	32	23	---	37	29	26	13	19	8.1	2.5
31	0.75	---	29	31	---	34	---	24	---	25	7.8	---
TOTAL	31.29	425.12	1818.4	610	4041	5428	2959	3423	808	1976	856.4	151.7
MEAN	1.01	14.2	58.7	19.7	144	175	98.6	110	26.9	63.7	27.6	5.06
MAX	8.7	94	486	49	534	1180	607	724	94	700	95	7.8
MIN	0.00	0.24	3.7	12	19	34	26	24	10	14	7.8	2.5
CFSM	0.01	0.20	0.81	0.27	2.00	2.43	1.37	1.53	0.37	0.88	0.38	0.07
IN.	0.02	0.22	0.94	0.31	2.08	2.80	1.52	1.76	0.42	1.02	0.44	0.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2003, BY WATER YEAR (WY)

MEAN	24.5	35.0	68.5	106	138	154	81.2	41.0	24.1	29.2	25.9	11.5
MAX	170	268	230	259	309	393	262	255	81.5	317	150	47.7
(WY)	1965	1993	1965	1978	1979	1971	1975	1976	1966	1994	1994	1992
MIN	0.51	3.03	4.29	9.75	30.8	34.5	16.5	4.70	0.91	0.10	0.000	0.002
(WY)	1988	2002	2002	2002	1968	1985	1986	2000	2002	2000	2002	2002

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1964 - 2003	
ANNUAL TOTAL	9390.26		22527.91			
ANNUAL MEAN	25.7		61.7		61.3	
HIGHEST ANNUAL MEAN					120	1998
LOWEST ANNUAL MEAN					19.6	1988
HIGHEST DAILY MEAN	633	Feb 7	1180	Mar 7	4940	Jul 6 1994
LOWEST DAILY MEAN	0.00	Jul 10	0.00	Oct 1-5,8-12,14	0.00	Jul 10 2002
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 10	0.00	Oct 1	0.00	Jul 10 2002
MAXIMUM PEAK FLOW			1560	Mar 7	7920	Jul 5 1994
MAXIMUM PEAK STAGE			12.12	Mar 7	23.25	Jul 5 1994
INSTANTANEOUS LOW FLOW					0.00	Jul 10 2002
ANNUAL RUNOFF (CFSM)	0.36		0.85		0.85	
ANNUAL RUNOFF (INCHES)	4.84		11.61		11.54	
10 PERCENT EXCEEDS	59		126		112	
50 PERCENT EXCEEDS	5.0		25		21	
90 PERCENT EXCEEDS	0.00		2.1		2.8	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02212600 FALLING CREEK NEAR JULIETTE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 169
LATITUDE 330559 LONGITUDE 0834325 NAD27 DRAINAGE AREA 72.2 CONTRIBUTING DRAINAGE AREA 72.2* DATUM 366.52 NGVD29

APPROVED

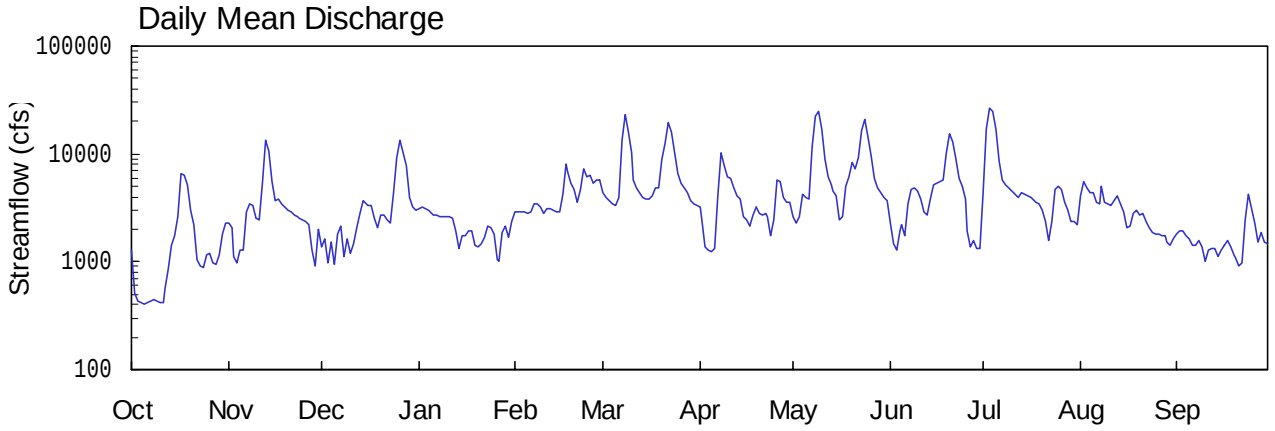
Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

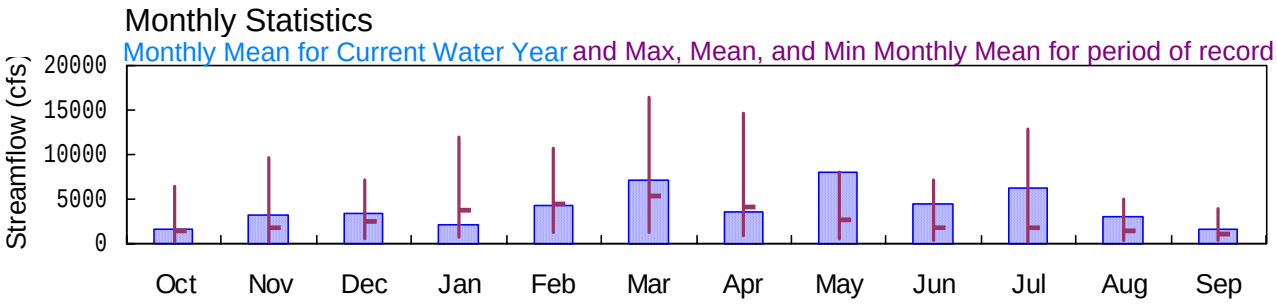
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.91	1.08	1.44	2.53	2.15	3.28	1.90	1.77	1.81	1.99	1.93	1.42
2	0.90	1.05	1.43	2.46	2.04	2.95	1.88	1.76	1.69	7.44	2.55	1.40
3	0.90	1.03	1.41	2.34	1.96	2.69	1.86	2.46	1.69	3.93	2.19	1.40
4	0.90	1.06	1.40	2.28	2.11	2.49	1.83	2.40	1.78	2.63	2.60	1.40
5	0.90	1.09	1.46	2.21	2.19	2.41	1.88	2.01	1.69	2.43	2.55	1.42
6	0.91	1.11	1.52	2.10	2.13	4.11	2.09	2.12	1.65	2.22	2.10	1.43
7	0.92	1.14	1.52	2.00	3.33	10.19	4.86	4.62	2.09	2.04	2.07	1.45
8	0.90	1.23	1.49	1.98	3.03	6.86	6.77	4.46	2.32	1.87	2.94	1.41
9	0.90	1.22	1.47	1.94	2.60	4.16	4.82	3.50	1.95	1.77	2.31	1.38
10	0.91	1.20	1.47	1.91	2.77	3.32	3.84	2.69	1.78	1.71	1.98	1.36
11	0.91	1.39	1.55	1.87	2.76	2.88	3.61	2.34	1.69	1.75	1.96	1.35
12	0.91	2.93	1.59	1.85	2.49	2.62	3.08	2.34	1.64	1.68	2.55	1.34
13	0.99	2.49	2.58	1.83	2.31	2.45	2.63	2.06	1.74	1.63	2.04	1.33
14	0.93	1.95	2.96	1.82	2.20	2.33	2.33	1.93	2.78	1.62	1.86	1.32
15	1.02	1.71	2.41	1.80	2.10	2.33	2.15	1.95	2.78	1.62	1.76	1.33
16	1.53	2.27	2.17	1.79	5.78	2.34	2.06	1.98	2.15	1.60	1.70	1.33
17	1.43	2.70	2.03	1.80	6.24	2.82	2.02	1.93	2.24	1.56	1.70	1.32
18	1.26	2.17	1.93	1.80	3.94	3.73	2.12	1.89	2.30	1.55	1.67	1.30
19	1.18	1.92	1.88	1.78	3.13	3.18	2.14	2.69	2.42	1.99	1.63	1.28
20	1.13	1.79	2.40	1.78	2.73	7.08	2.03	2.32	2.14	1.83	1.59	1.26
21	1.12	1.71	2.37	1.76	2.51	5.23	1.94	2.06	1.95	1.82	1.60	1.26
22	1.15	1.64	2.17	1.83	5.76	3.67	1.87	6.22	1.76	1.74	1.57	1.29
23	1.13	1.59	2.05	1.93	5.94	3.01	1.81	7.49	1.66	2.87	1.54	1.41
24	1.12	1.56	5.40	1.85	3.72	2.70	1.77	3.88	1.59	3.53	1.51	1.40
25	1.12	1.53	5.89	1.80	3.06	2.47	2.76	2.94	1.54	2.46	1.50	1.37
26	1.11	1.50	3.79	1.79	2.72	2.31	3.44	2.46	1.51	2.07	1.47	1.33
27	1.10	1.48	2.97	1.78	4.59	2.18	2.52	2.21	1.49	1.96	1.45	1.32
28	1.10	1.48	2.59	1.77	4.14	2.10	2.14	2.06	1.58	1.87	1.43	1.30
29	1.13	1.47	2.37	1.77	---	2.05	1.95	1.99	1.60	1.79	1.44	1.27
30	1.12	1.45	2.25	2.05	---	2.00	1.83	1.93	1.57	1.73	1.44	1.24
31	1.10	---	2.19	2.24	---	1.94	---	1.89	---	1.87	1.44	---
MEAN	1.05	1.60	2.26	1.95	3.23	3.35	2.60	2.72	1.89	2.21	1.87	1.35
MAX	1.53	2.93	5.89	2.53	6.24	10.19	6.77	7.49	2.78	7.44	2.94	1.45
MIN	0.90	1.03	1.40	1.76	1.96	1.94	1.77	1.76	1.49	1.55	1.43	1.24

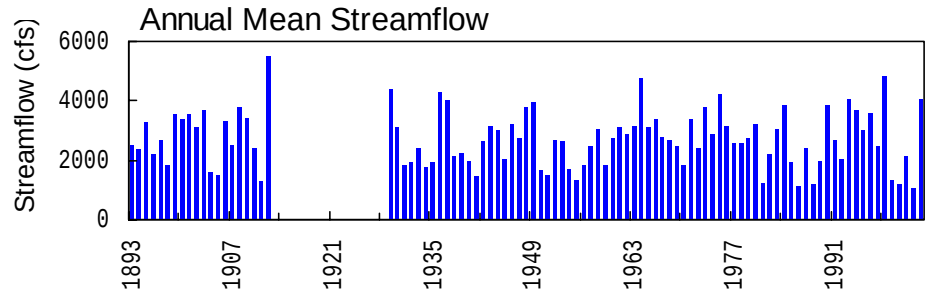
2003 Water Year

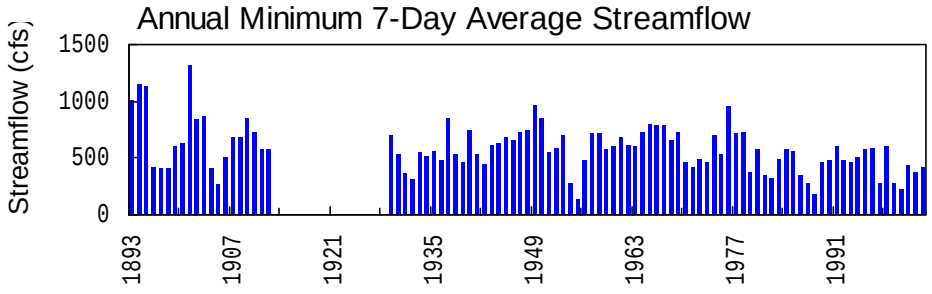
02213000 OCMULGEE RIVER AT MACON, GA

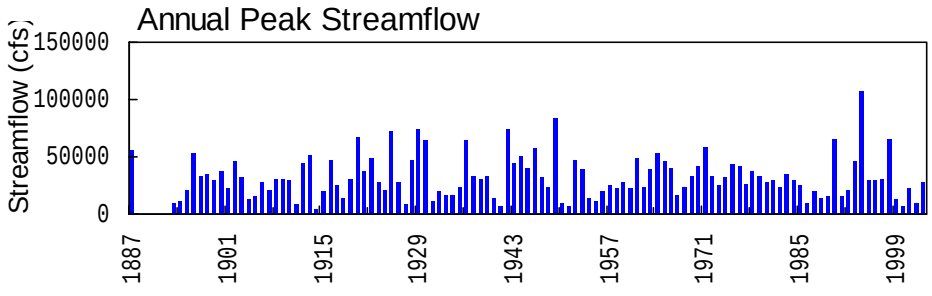
Latitude: 32°50'19" Longitude: 083°37'14" Hydrologic Unit Code: 03070103 Bibb County
Drainage Area: 2240. mi^2 Datum: 269.8 feet











ALTAMAHA RIVER BASIN
2003 Water Year

02213000 OCMULGEE RIVER AT MACON, GA

LOCATION.—Lat 32°50'19", long 83°37'14" referenced to North American Datum (NAD) of 1983, Bibb County, Hydrologic Unit 03070103, at downstream end of right pier of Fifth Street Bridge in Macon, 1.5 miles upstream from Walnut Creek, and at mile 198.0.

DRAINAGE AREA.—2,240 square miles, approximately.

COOPERATION.—City of Macon.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—February 1893 to July 1912, August 1912 to December 1913 (gage-heights and discharge measurements only), October 1928 to current year. Gage-height records collected at same site since 1895 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 822: Drainage area. WSP 1504: 1893-1903, 1905-10, 1932, 1937, 1942(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 269.80 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to October 9, 1905, a non-recording gage was located at site within 1.5 miles downstream at about same datum. From October 9, 1905 to December 31, 1913, a non-recording gage was located at present site and datum. From January 10, 1929 to June 25, 1934, a water-stage recorder was located at a site 500 feet downstream at same datum. From June 25, 1934 to June 25, 1973, a water-stage recorder was located at the present site and datum, and from June 26, 1973 to October 13, 1974, a non-recording gage was located at present site and datum.

REMARKS.—Records good. Flow regulated by Lloyd Shoals Reservoir since November 1910; records of reservoir contents not available prior to October 1929. Records of chemical analyses for the water years 1968-73 are published in reports of the U.S. Geological Survey. Minimum gage-height observed during the period of record was -1.0 feet October 5, 1924, at site and datum then in use. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of January 19, 1925, reached a stage of 26.0 feet, from flood marks at Central of Georgia Railroad bridge, 500 feet downstream, discharge 72,500 cfs.

02213000 OCMULGEE RIVER AT MACON, GA—continued.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 14,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/13	1300	14,600	18.51
12/26	0830	14,200	18.31
03/08	1030	24,000	21.39
03/22	1415	20,400	20.43
05/09	0715	25,600	21.84
05/24	1130	22,300	20.94
06/20	1400	15,700	18.97
07/03	1945	27,700*	22.43*

WATER-STAGE RECORDS

PERIOD OF RECORD.—February 1893 to July 1912, August 1912 to December 1913 (gage-heights and discharge measurements only), October 1928 to current year. Gage-height records collected at same site since 1895 are contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 269.80 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to October 9, 1905, a non-recording gage was located at site within 1.5 miles downstream at about same datum. From October 9, 1905 to December 31, 1913, a non-recording gage was located at present site and datum. From January 10, 1929 to June 25, 1934, a water-stage recorder was located at a site 500 feet downstream at same datum. From June 25, 1934 to June 25, 1973, a water-stage recorder was located at the present site and datum, and from June 26, 1973 to October 13, 1974, a non-recording gage was located at present site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 22.43 feet, July 3; minimum gage-height recorded, 4.84 feet, October 5.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213000 OCMULGEE RIVER AT MACON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 325019 LONGITUDE 0833714 NAD83 DRAINAGE AREA 2240.00* CONTRIBUTING DRAINAGE AREA DATUM 269.80 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1300	2280	1380	3160	2860	4400	3260	2630	2300	4320	4120	1820
2	509	2060	1620	3160	2920	3920	2470	2260	1460	17000	5600	1900
3	432	1100	990	3090	2870	3660	1370	2660	1270	26400	4760	1960
4	423	988	1510	2960	2880	3430	1280	4290	1900	24700	4430	1740
5	406	1300	955	2830	2810	3320	1260	3920	2210	17300	4340	1630
6	414	1260	1820	2730	2890	3920	1330	3860	1720	8700	3570	1440
7	434	2930	2130	2670	3490	13300	4060	11700	3420	5680	3460	1430
8	442	3440	1110	2650	3460	22800	10300	22200	4660	5250	4940	1550
9	437	3310	1640	2650	3180	15900	7900	24500	4760	4890	3570	1400
10	424	2500	1190	2640	2800	10200	6160	16800	4450	4480	3410	996
11	416	2450	1490	2600	3070	5760	5900	8870	3750	4230	3360	1290
12	564	5310	2080	2550	3140	4920	4800	6240	2920	3950	3690	1320
13	852	13600	2850	1900	3030	4400	4120	5240	2760	4430	4070	1330
14	1440	10500	3730	1350	2940	4000	3870	4520	3790	4270	3490	1130
15	1760	5600	3580	1740	2870	3820	2650	4060	5160	4050	2930	1290
16	2650	3730	3320	1730	4260	3760	2410	2480	5370	3900	2080	1420
17	6570	3840	3290	1900	8140	4050	2170	2580	5570	3740	2170	1550
18	6460	3490	2520	1920	6750	4890	2740	5000	5780	3590	2830	1380
19	5150	3240	2100	1420	5300	4780	3220	6120	10300	3420	2960	1170
20	3050	3050	2700	1370	4670	8880	2780	8240	15200	3060	2740	1090
21	2250	2900	2720	1450	3600	12700	2730	7320	12900	2340	2850	918
22	1060	2730	2450	1670	4620	19400	2830	9260	8870	1570	2360	988
23	904	2590	2280	2130	7310	15700	2650	16700	6030	2360	2050	2480
24	892	2500	4320	2050	6170	10400	1730	21300	4960	4640	1850	4170
25	1170	2460	9370	1830	6310	6520	2490	14500	3870	4930	1800	3130
26	1220	2340	13400	1050	5410	5390	5740	9410	1930	4610	1790	2280
27	982	2240	10400	1010	5770	4810	5470	5960	1360	3540	1720	1520
28	957	1290	7800	1880	5780	4440	3960	4830	1560	3000	1750	1850
29	1170	923	3960	2160	---	3750	3540	4420	1330	2390	1530	1520
30	1780	1990	3230	1700	---	3420	3540	3980	1340	2370	1400	1470
31	2270	---	3050	2410	---	3330	---	3690	---	2230	1630	---
TOTAL	48788	97941	104985	66360	119300	223970	108730	249540	132900	191340	93250	49162
MEAN	1574	3265	3387	2141	4261	7225	3624	8050	4430	6172	3008	1639
MAX	6570	13600	13400	3160	8140	22800	10300	24500	15200	26400	5600	4170
MIN	406	923	955	1010	2800	3320	1260	2260	1270	1570	1400	918
CFSM	0.70	1.46	1.51	0.96	1.90	3.23	1.62	3.59	1.98	2.76	1.34	0.73
IN.	0.81	1.63	1.74	1.10	1.98	3.72	1.81	4.14	2.21	3.18	1.55	0.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2003, BY WATER YEAR (WY)

MEAN	1408	1728	2573	3714	4543	5421	4137	2639	1868	1806	1476	1150
MAX	6404	9624	7222	11880	10640	16370	14610	8050	7142	12880	5054	3886
(WY)	1930	1949	1984	1936	1998	1929	1936	2003	1912	1994	1994	1994
MIN	165	186	618	750	1168	1319	972	581	301	214	299	296
(WY)	1955	1955	1955	1981	1938	1988	1986	1986	1988	1988	1988	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1911 - 2003	
ANNUAL TOTAL	593067		1486266			
ANNUAL MEAN	1625		4072		2669	
HIGHEST ANNUAL MEAN					4848	1998
LOWEST ANNUAL MEAN					1061	2002
HIGHEST DAILY MEAN	13600	Nov 13	26400	Jul 3	97000	Jul 6 1994
LOWEST DAILY MEAN	379	Aug 25	406	Oct 5	128	Oct 24 1954
ANNUAL SEVEN-DAY MINIMUM	387	Sep 3	425	Oct 5	139	Oct 22 1954
MAXIMUM PEAK FLOW			27700	Jul 3	107000	Jul 6 1994
MAXIMUM PEAK STAGE			22.43	Jul 3	35.40	Jul 6 1994
INSTANTANEOUS LOW FLOW			398	Oct 5	128	Oct 24 1954
ANNUAL RUNOFF (CFSM)	0.73		1.82		1.19	
ANNUAL RUNOFF (INCHES)	9.85		24.68		16.19	
10 PERCENT EXCEEDS	3330		8000		5150	
50 PERCENT EXCEEDS	1050		2930		1640	
90 PERCENT EXCEEDS	407		1260		652	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213000 OCMULGEE RIVER AT MACON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 325019 LONGITUDE 0833714 NAD83 DRAINAGE AREA 2240.00* CONTRIBUTING DRAINAGE AREA DATUM 269.80 NGVD29

APPROVED

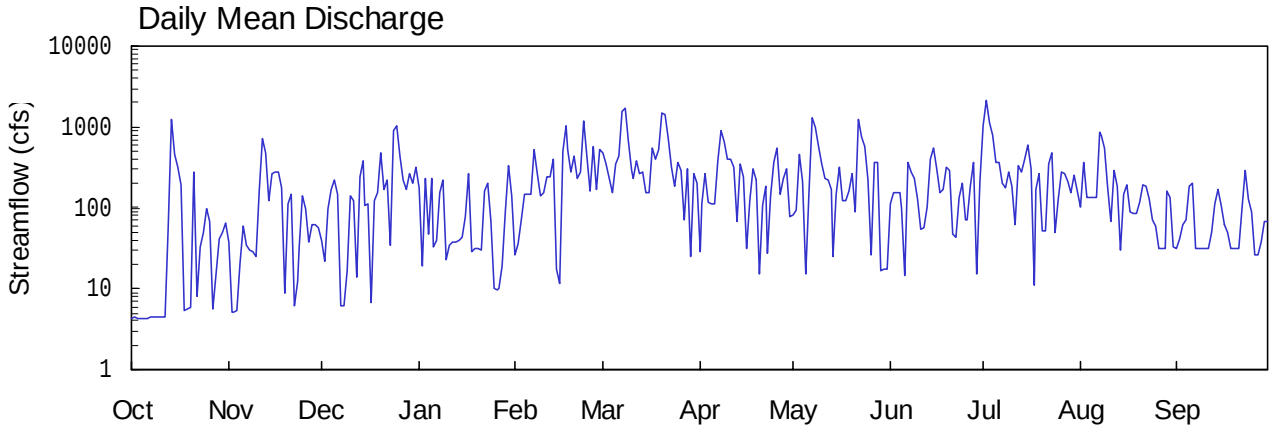
Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

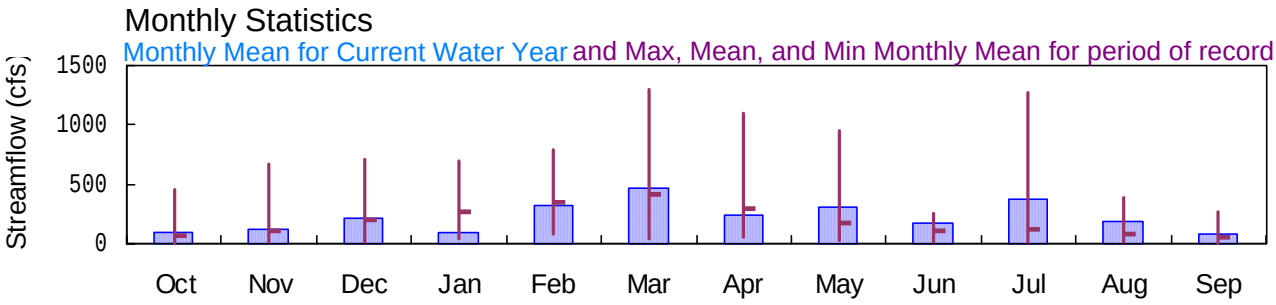
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.05	8.40	6.76	9.90	9.41	11.74	10.07	9.01	8.42	11.16	11.17	7.58
2	5.20	8.00	7.21	9.91	9.50	11.12	8.71	8.35	6.93	18.65	13.13	7.72
3	4.95	6.26	6.05	9.78	9.43	10.71	6.77	9.06	6.58	22.07	12.18	7.83
4	4.92	6.05	7.02	9.56	9.44	10.35	6.61	11.52	7.72	21.59	11.79	7.44
5	4.86	6.64	5.98	9.35	9.31	10.17	6.56	11.11	8.28	19.42	11.64	7.23
6	4.89	6.57	7.57	9.19	9.45	10.96	6.69	10.98	7.39	15.46	10.57	6.89
7	4.96	9.50	8.13	9.08	10.44	17.58	10.22	16.94	10.30	13.21	10.39	6.87
8	4.98	10.36	6.25	9.05	10.38	21.08	16.41	20.91	12.06	12.77	12.31	7.09
9	4.97	10.15	7.25	9.05	9.94	18.91	14.99	21.53	12.20	12.34	10.55	6.81
10	4.92	8.79	6.44	9.03	9.29	16.33	13.66	19.23	11.81	11.84	10.30	6.06
11	4.90	8.70	6.99	8.96	9.76	13.28	13.41	15.57	10.85	11.54	10.22	6.60
12	5.34	12.55	8.05	8.88	9.88	12.38	12.23	13.72	9.51	11.16	10.71	6.67
13	6.03	18.05	9.38	7.72	9.69	11.75	11.40	12.76	9.23	11.78	11.29	6.69
14	7.13	16.51	10.82	6.73	9.54	11.23	11.04	11.90	10.83	11.59	10.43	6.32
15	7.64	12.98	10.58	7.43	9.43	10.97	9.02	11.32	12.67	11.31	9.51	6.60
16	9.12	10.83	10.17	7.42	10.94	10.87	8.63	8.73	12.90	11.08	8.04	6.86
17	13.87	11.00	10.11	7.72	15.21	11.29	8.21	8.86	13.11	10.83	8.20	7.09
18	13.91	10.44	8.81	7.76	14.15	12.34	9.20	12.47	13.31	10.60	9.35	6.78
19	12.64	10.03	8.08	6.85	12.82	12.22	9.99	13.60	16.36	10.33	9.57	6.39
20	9.69	9.73	9.14	6.77	12.08	15.41	9.25	15.27	18.74	9.73	9.19	6.24
21	8.34	9.48	9.16	6.91	10.62	17.57	9.18	14.62	17.71	8.48	9.38	5.91
22	6.18	9.18	8.69	7.31	11.79	20.14	9.34	15.82	15.60	7.13	8.53	6.04
23	5.88	8.94	8.41	8.13	14.60	18.90	9.03	19.12	13.53	8.51	7.99	8.72
24	5.86	8.79	10.74	7.98	13.66	16.44	7.41	20.66	12.43	12.05	7.63	11.45
25	6.38	8.71	15.91	7.60	13.79	13.95	8.74	18.40	11.01	12.39	7.54	9.85
26	6.48	8.51	17.93	6.17	12.94	12.93	13.22	15.90	7.77	12.01	7.52	8.39
27	6.03	8.34	16.46	6.08	13.28	12.25	13.00	13.47	6.73	10.51	7.40	7.03
28	5.99	6.60	14.90	7.68	13.31	11.80	11.09	12.25	7.10	9.64	7.46	7.63
29	6.39	5.92	11.10	8.19	---	10.84	10.51	11.78	6.69	8.58	7.04	7.04
30	7.51	7.88	10.02	7.35	---	10.32	10.52	11.21	6.71	8.55	6.82	6.94
31	8.39	---	9.72	8.62	---	10.18	---	10.76	---	8.31	7.23	---
MEAN	6.95	9.46	9.48	8.13	11.22	13.42	10.17	13.77	10.82	12.08	9.52	7.23
MAX	13.91	18.05	17.93	9.91	15.21	21.08	16.41	21.53	18.74	22.07	13.13	11.45
MIN	4.86	5.92	5.98	6.08	9.29	10.17	6.56	8.35	6.58	7.13	6.82	5.91

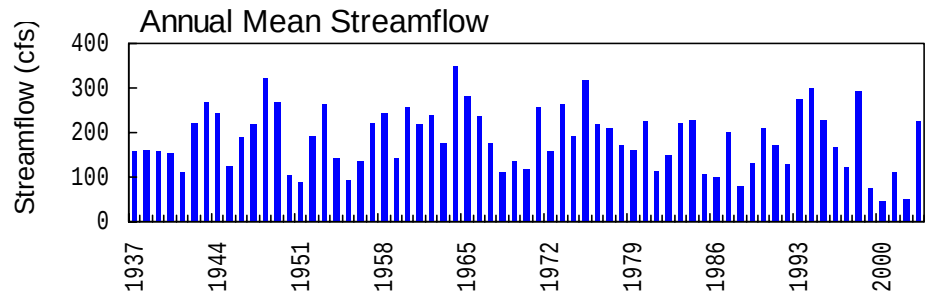
2003 Water Year

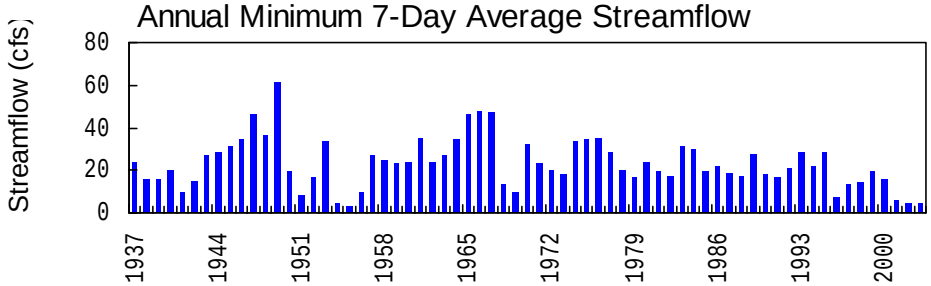
02213500 TOBESOFKEE CREEK NEAR MACON, GA

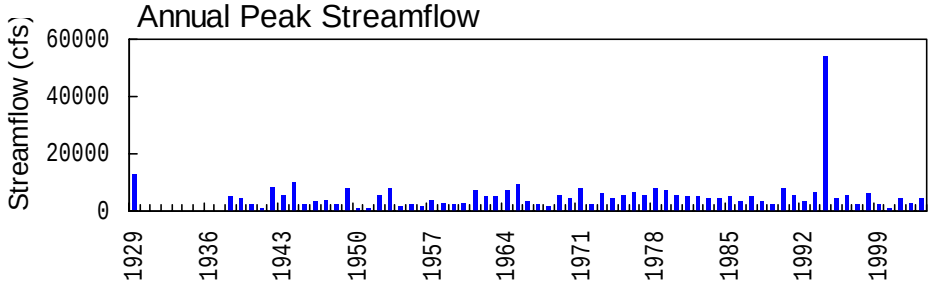
Latitude: 32°48'32" Longitude: 083°45'30" Hydrologic Unit Code: 03070103 Bibb County
Drainage Area: 182 mi² Datum: 309.9 feet











USGS science for a changing world

NO PHOTOS AVAILABLE FOR THIS SITE

ALTAMAHA RIVER BASIN
2003 Water Year

02213500 TOBESOFKEE CREEK NEAR MACON, GA

LOCATION.—Lat 32°48'32", long 83°45'30" referenced to North American Datum (NAD) of 1983, Bibb County, Hydrologic Unit 03070103, on right bank at downstream end of pier of bridge on GA 22 connector, 8.0 miles west of Macon, and 14.0 miles upstream from mouth.

DRAINAGE AREA.—182 square miles.

COOPERATION.—Bibb County.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1937 to current year.

REVISED RECORDS.—WSP 1204: 1942.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 309.98 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to August 28, 1942, a non-recording gage was located at same site and datum.

REMARKS.—Records good. Flow regulated to some extent since November 1967 by Lake Tobesofkee about 1.0 mile upstream.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,900 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
10/14	1500	3,400	13.34
12/24	1300	2,350	10.52
02/17	1230	2,260	10.28
02/20	1345	2,140	9.91
02/23	1145	2,220	10.14
03/07	1400	3,350	13.21
03/08	0530	2,250	10.24
03/20	1100	3,380	13.29
05/07	1000	3,860	14.47
05/22	1730	2,300	10.40
07/02	1415	4,390*	15.68*
07/03	0130	2,880	12.03
08/07	2215	4,030	14.91

02213500 TOBESOFKEE CREEK NEAR MACON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1937 to current year.

GAGE.—Water-stage recorder. Datum of gage is 309.98 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to August 28, 1942, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 15.68 feet, July 2; minimum gage-height recorded, 1.44 feet, October 1-7, 9.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213500 TOBESOFKEE CREEK NEAR MACON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324832 LONGITUDE 0834530 NAD83 DRAINAGE AREA 182 CONTRIBUTING DRAINAGE AREA 182* DATUM 309.98 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	38	40	176	26	469	28	82	111	1050	101	32
2	4.4	5.2	e22	19	35	355	115	92	154	2170	357	42
3	4.3	5.2	e99	234	72	227	268	450	152	1130	134	63
4	4.3	5.3	e166	48	144	156	116	212	152	806	132	70
5	4.4	21	e225	232	145	344	114	15	96	371	131	183
6	4.3	58	e150	33	149	441	114	155	14	362	134	202
7	4.4	34	e6.2	39	527	1530	376	1270	357	e201	861	32
8	4.4	30	6.0	155	271	1680	904	977	274	e178	789	32
9	4.4	29	17	220	142	647	643	586	236	272	560	32
10	4.5	25	142	22	153	295	396	353	131	188	179	32
11	4.5	161	123	34	242	229	392	227	54	61	69	32
12	4.5	728	14	38	240	378	318	224	56	328	289	49
13	60	481	242	37	402	263	68	172	103	274	189	112
14	1250	122	382	39	17	275	350	25	399	401	30	171
15	456	266	105	44	12	153	238	145	536	601	145	108
16	324	275	113	77	505	151	31	321	300	301	194	61
17	192	272	6.7	264	1020	553	121	125	154	11	88	50
18	5.4	180	123	28	517	394	306	124	169	166	85	32
19	5.7	8.9	150	31	282	532	226	162	318	271	87	32
20	5.9	114	482	31	437	1510	16	264	293	53	116	32
21	280	150	167	30	230	1390	108	89	47	51	189	32
22	7.9	6.1	225	163	274	735	188	1220	43	352	188	96
23	32	12	34	204	1170	317	28	749	132	480	127	284
24	49	33	892	69	436	184	143	571	199	50	71	131
25	100	138	1040	10	161	362	370	224	71	127	59	88
26	67	100	432	9.5	583	293	552	26	71	282	32	27
27	5.7	37	225	10	169	72	144	372	183	e266	32	27
28	15	62	172	19	514	304	233	371	365	e215	32	38
29	40	63	261	88	---	25	301	17	15	e152	158	68
30	50	56	202	336	---	262	80	18	211	258	132	69
31	65	---	320	142	---	203	---	17	---	161	32	---
TOTAL	3063.3	3515.7	6583.9	2881.5	8875	14729	7287	9655	5396	11589	5722	2259
MEAN	98.8	117	212	93.0	317	475	243	311	180	374	185	75.3
MAX	1250	728	1040	336	1170	1680	904	1270	536	2170	861	284
MIN	4.3	5.2	6.0	9.5	12	25	16	15	14	11	30	27
CFSM	0.54	0.64	1.17	0.51	1.74	2.61	1.33	1.71	0.99	2.05	1.01	0.41
IN.	0.63	0.72	1.35	0.59	1.81	3.01	1.49	1.97	1.10	2.37	1.17	0.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2003, BY WATER YEAR (WY)

MEAN	64.8	103	196	274	352	421	299	170	103	119	86.1	58.5
MAX	459	672	708	690	794	1295	1099	948	249	1271	383	264
(WY)	1965	1949	1965	1964	1961	1944	1964	1953	1957	1994	1994	1953
MIN	5.97	8.28	9.17	43.6	78.7	43.3	57.1	28.5	8.65	8.70	6.86	4.80
(WY)	1955	2001	2001	1956	2000	1981	2000	2000	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1937 - 2003	
ANNUAL TOTAL	30355.9		81556.4			
ANNUAL MEAN	83.2		223		187	
HIGHEST ANNUAL MEAN					349	1964
LOWEST ANNUAL MEAN					46.5	2000
HIGHEST DAILY MEAN	1420	Feb 7	2170	Jul 2	13000	Jul 6 1994
LOWEST DAILY MEAN	4.2	Sep 9	4.3	Oct 1	2.5	Oct 9 1954
ANNUAL SEVEN-DAY MINIMUM	4.3	Sep 8	4.3	Oct 1	3.1	Oct 3 1954
MAXIMUM PEAK FLOW			4390	Jul 2	54000	Jul 6 1994
MAXIMUM PEAK STAGE			15.68	Jul 2	39.50	Jul 6 1994
INSTANTANEOUS LOW FLOW			4.1	Oct 1-9	2.3	Oct 10 1954
ANNUAL RUNOFF (CFSM)	0.46		1.23		1.03	
ANNUAL RUNOFF (INCHES)	6.20		16.67		13.97	
10 PERCENT EXCEEDS	219		509		367	
50 PERCENT EXCEEDS	12		145		90	
90 PERCENT EXCEEDS	5.2		16		26	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213500 TOBESOFKEE CREEK NEAR MACON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324832 LONGITUDE 0834530 NAD83 DRAINAGE AREA 182 CONTRIBUTING DRAINAGE AREA 182* DATUM 309.98 NGVD29

APPROVED

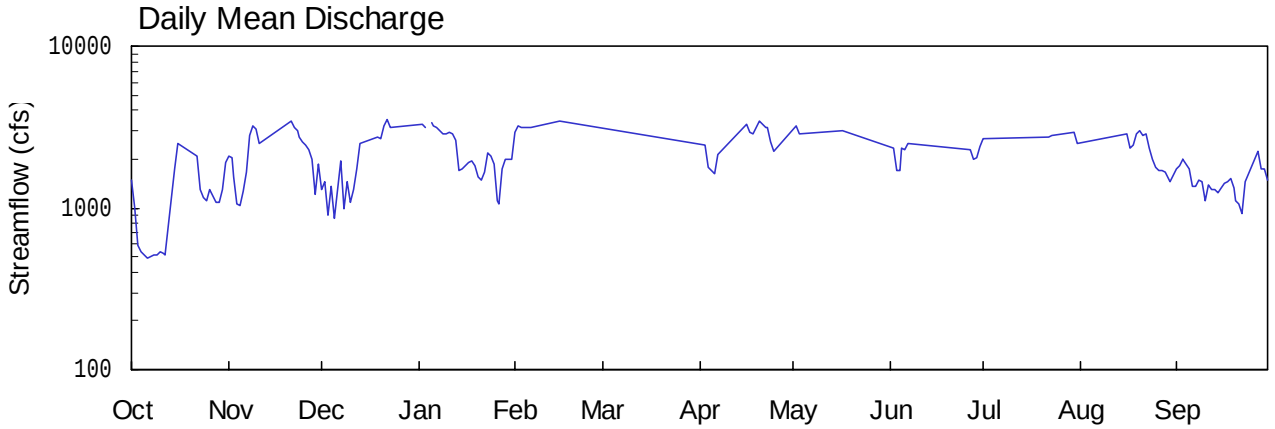
Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

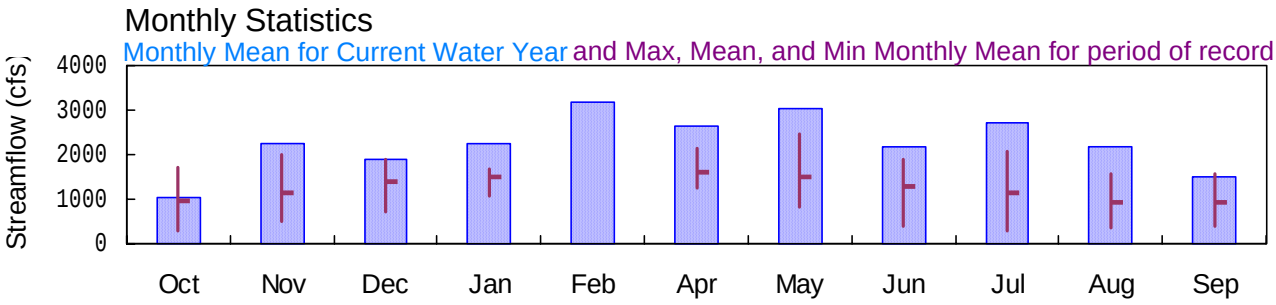
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.45	1.92	2.05	2.77	1.90	4.08	1.86	2.37	2.36	6.14	2.25	1.92
2	1.45	1.49	---	1.79	2.03	3.66	2.37	2.42	2.81	9.59	3.66	2.02
3	1.45	1.49	---	2.84	2.30	2.99	3.28	3.98	2.80	5.94	2.70	2.23
4	1.45	1.49	---	2.17	2.80	2.59	2.60	2.98	2.79	5.18	2.69	2.28
5	1.45	1.78	---	2.91	2.81	3.62	2.58	1.65	2.33	3.73	2.69	2.87
6	1.45	2.19	---	2.00	2.83	3.96	2.58	2.47	1.64	3.69	2.70	2.94
7	1.46	2.01	---	2.07	4.25	7.50	3.66	6.71	3.57	---	5.06	1.92
8	1.46	1.96	1.52	2.73	3.33	8.28	5.63	5.87	3.33	---	5.22	1.91
9	1.46	1.94	1.72	3.07	2.54	4.72	4.70	4.49	3.17	3.32	4.40	1.91
10	1.46	1.88	2.63	1.84	2.64	3.12	3.82	3.65	2.64	2.89	2.71	1.91
11	1.46	2.70	2.45	2.01	3.21	2.97	3.81	3.13	2.15	2.22	2.15	1.91
12	1.46	4.98	1.69	2.06	3.20	3.75	3.47	3.12	2.17	3.42	3.39	2.09
13	1.98	4.00	3.02	2.05	3.63	3.29	2.27	2.81	2.48	3.13	2.82	2.53
14	6.70	2.59	3.65	2.07	1.75	3.31	3.54	1.81	3.76	3.61	1.89	2.88
15	4.02	3.31	2.39	2.13	1.64	2.85	2.93	2.49	4.32	4.56	2.64	2.50
16	3.54	3.34	2.30	2.31	3.84	2.83	1.91	3.49	3.44	3.16	2.97	2.22
17	2.73	3.34	1.54	3.18	6.00	4.33	2.43	2.65	2.57	1.57	2.41	2.10
18	1.50	2.75	2.36	1.93	4.23	3.82	3.47	2.65	2.65	2.52	2.39	1.91
19	1.51	1.60	2.58	1.98	3.37	4.30	2.99	2.82	3.51	3.29	2.40	1.91
20	1.51	2.36	3.81	1.98	3.70	7.48	1.66	3.27	3.31	2.14	2.56	1.91
21	3.01	2.58	2.52	1.96	2.73	7.34	2.25	2.41	2.03	2.12	2.97	1.91
22	1.57	1.52	2.85	2.71	3.07	5.02	2.80	6.66	2.04	3.39	2.96	2.24
23	1.93	1.65	2.01	3.04	6.56	3.11	1.85	5.08	2.54	4.08	2.62	3.35
24	2.17	1.97	5.35	2.20	3.89	2.67	2.53	4.45	2.95	2.11	2.29	2.72
25	2.51	2.70	6.09	1.62	2.67	3.69	3.70	2.80	2.29	2.54	2.17	2.41
26	2.09	2.39	3.93	1.61	4.43	3.33	4.34	1.83	2.29	3.36	1.92	1.91
27	1.51	2.02	3.08	1.63	2.70	2.03	2.75	3.46	2.77	---	1.91	1.91
28	1.67	2.29	2.84	1.78	4.23	3.27	3.13	3.43	3.61	---	1.91	2.04
29	2.09	2.29	3.29	2.13	---	1.81	3.37	1.69	1.66	---	2.64	2.33
30	2.18	2.24	2.93	3.59	---	3.09	2.35	1.70	2.61	3.25	2.49	2.34
31	2.32	---	3.51	2.51	---	2.94	---	1.70	---	2.69	1.92	---
MEAN	2.06	2.36	---	2.28	3.30	3.93	3.02	3.23	2.75	---	2.76	2.23
MAX	6.70	4.98	---	3.59	6.56	8.28	5.63	6.71	4.32	---	5.22	3.35
MIN	1.45	1.49	---	1.61	1.64	1.81	1.66	1.65	1.64	---	1.89	1.91

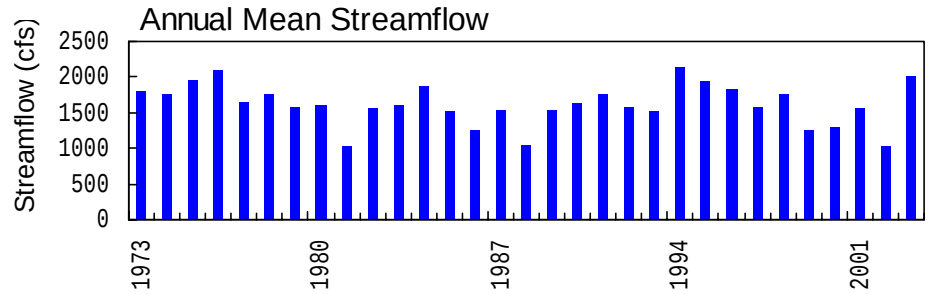
2003 Water Year

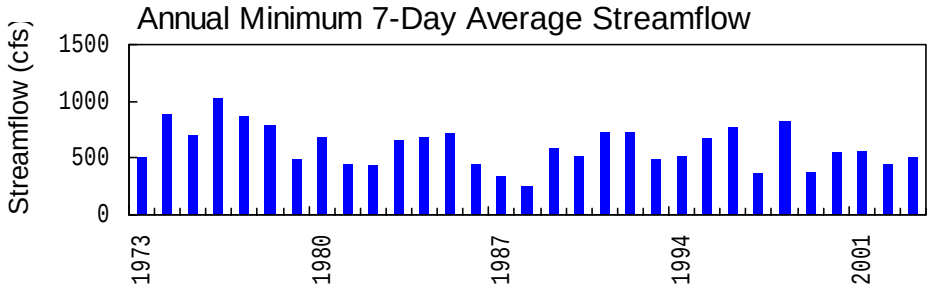
02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA

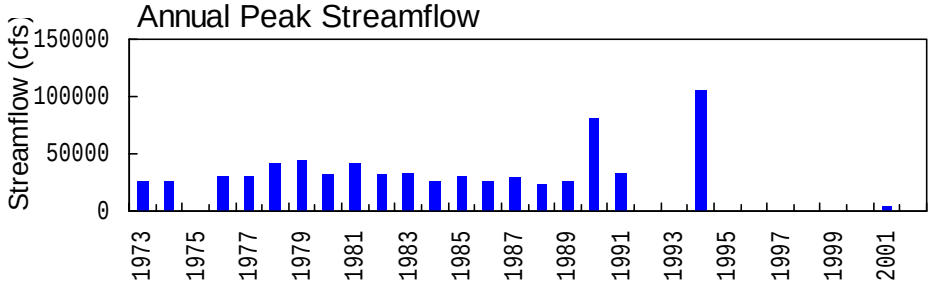
Latitude: 32°40'17" Longitude: 083°36'11" Hydrologic Unit Code: 03070103 Bibb County
Drainage Area: 2690. mi^2 Datum: 251.0 feet











ALTAMAHA RIVER BASIN
2003 Water Year

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA

LOCATION.—Lat 32°40'17", long 83°36'11" referenced to North American Datum (NAD) of 1927, Bibb-Twiggs County line, Hydrologic Unit 03070103, on right bank 0.8 miles upstream from Echeconnee Creek, 4.0 miles northeast of Warner Robins, and 5.7 miles downstream from Tobesofkee Creek.

DRAINAGE AREA.—2,690 square miles, approximately.

COOPERATION.—Georgia Environmental Protection Division.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1972 to current year, discharge less than 3,600 cfs, only.

GAGE.—Satellite telemetry with a water stage recorder and a continuous water-quality monitor. Datum of gage is 244.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair. Flow regulated by Lloyd Shoals Reservoir (See "Lakes and Reservoirs in Altamaha River Basin", station 02210000).

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1972 to current year, discharge less than 3,600 cfs, only.

GAGE.—Satellite telemetry with a water stage recorder and a continuous water-quality monitor. Datum of gage is 244.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 14.67 feet, July 4; minimum gage-height, 2.61 feet, October 6.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 14, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00* CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1490	2090	e1290	---	2910	---	---	---	---	2660	---	1740
2	1010	2070	e1450	e3270	3230	---	---	3210	2370	---	---	e1840
3	582	1560	e903	e3160	3170	---	2460	2890	1710	---	---	e2010
4	531	1050	e1340	---	3120	---	1770	---	1690	---	---	e1880
5	507	1040	e869	e3370	3120	---	1700	---	2330	---	---	e1740
6	493	1260	---	e3230	3180	---	1630	---	2280	---	---	e1360
7	505	1680	1970	3110	---	---	2120	---	2520	---	---	e1360
8	e509	e2830	e986	e3000	---	---	---	---	---	---	---	e1490
9	e509	3190	e1470	e2890	---	---	---	---	---	---	---	e1440
10	532	3090	e1080	e2890	---	---	---	---	---	---	---	e1110
11	522	2520	e1290	e2930	---	---	---	---	---	---	---	e1380
12	515	---	1740	2840	---	---	---	---	---	---	---	e1290
13	768	---	2510	e2620	---	---	---	---	---	---	---	e1300
14	1170	---	---	1690	---	---	---	---	---	---	---	e1230
15	1730	---	---	e1730	3480	---	---	---	---	---	---	e1320
16	2500	---	---	e1820	---	---	3320	---	---	---	2880	1420
17	---	---	---	e1900	---	---	2940	2990	---	---	2330	1460
18	---	---	---	e1950	---	---	2860	---	---	---	2470	1530
19	---	---	2730	1840	---	---	3160	---	---	---	2880	1310
20	---	---	2650	1550	---	---	3420	---	---	---	2990	1120
21	---	3410	e3240	1500	---	---	3260	---	---	---	2830	1060
22	2090	3160	3490	e1660	---	---	3150	---	---	2730	2880	922
23	1290	2970	3170	e2180	---	---	3140	---	---	2820	2320	1450
24	1150	2740	---	e2110	---	---	2590	---	---	---	1980	---
25	1110	e2560	---	e1880	---	---	2250	---	---	---	1760	---
26	1290	e2440	---	e1120	---	---	---	---	---	---	1690	---
27	1190	2280	---	e1050	---	---	---	---	2290	---	1710	2250
28	1070	1980	---	e1750	---	---	---	---	1990	---	1680	1750
29	1080	e1220	---	e1990	---	---	---	---	2060	---	1600	1750
30	1290	e1860	---	e2010	---	---	---	---	2370	2920	1460	1500
31	1930	---	---	2000	---	---	---	---	---	2490	1580	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2003, BY WATER YEAR (WY)

MEAN	954	1141	1389	1493	---	1766	1618	1512	1294	1125	942	941
MAX	1702	2013	1904	1677	---	1836	2150	2474	1904	2089	1562	1566
(WY)	1978	1976	1978	1989	---	1981	1992	1983	1983	1973	1982	1979
MIN	289	497	714	1070	---	1695	1238	807	407	284	343	408
(WY)	1988	1988	2002	1981	---	1988	1986	1986	1988	1988	1988	1999

SUMMARY STATISTICS WATER YEARS 1973 - 2003

HIGHEST DAILY MEAN	3600	Aug 7 1973
LOWEST DAILY MEAN	227	Oct 18 1987
ANNUAL SEVEN-DAY MINIMUM	248	Jul 26 1988
MAXIMUM PEAK STAGE	21.75	Jul 8 1994
INSTANTANEOUS LOW FLOW	227	Sep 28 1981

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00* CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.95	8.98	---	12.33	10.77	13.78	12.08	12.13	12.09	10.20	10.72	7.79
2	5.14	8.89	---	---	11.37	13.61	11.92	11.33	9.56	13.11	13.04	---
3	3.17	7.19	---	---	11.27	13.39	9.77	10.74	7.71	14.36	13.72	---
4	2.87	5.36	---	11.94	11.18	13.02	7.90	11.50	7.65	14.57	13.48	---
5	2.72	5.33	---	---	11.17	12.56	7.67	12.84	9.55	14.50	13.24	---
6	2.63	6.16	---	11.37	11.28	12.34	7.45	12.76	9.44	14.43	12.93	---
7	2.70	7.53	8.58	11.17	11.78	13.20	8.83	12.94	9.86	14.27	12.47	---
8	---	---	---	---	12.53	14.22	12.58	13.97	12.56	14.01	12.33	---
9	---	11.31	---	---	12.80	14.54	14.04	14.46	13.60	13.71	13.26	---
10	2.87	11.12	---	---	12.50	14.41	14.23	14.48	13.56	13.43	13.03	---
11	2.81	10.0	---	10.83	11.90	14.17	14.13	14.35	13.21	13.26	12.76	---
12	2.76	11.11	7.82	10.65	12.05	13.89	13.99	14.19	12.59	13.03	12.22	---
13	4.15	13.09	9.95	10.20	12.06	13.61	13.70	13.95	11.77	12.80	12.34	---
14	5.81	---	11.62	7.64	11.90	13.34	13.28	13.69	11.89	13.20	12.37	---
15	7.76	---	12.61	7.76	11.80	13.04	---	13.33	13.25	13.52	12.01	---
16	9.91	13.82	12.64	8.06	11.78	12.85	11.53	12.63	13.88	13.26	10.72	6.73
17	12.16	13.49	12.24	8.35	13.08	12.86	10.85	10.92	13.93	13.19	9.54	6.85
18	13.32	13.25	11.81	---	14.16	13.27	10.69	12.02	13.89	12.87	9.88	7.11
19	13.56	12.70	10.43	8.15	14.10	13.76	11.25	13.08	13.85	12.49	10.73	6.34
20	13.08	12.17	10.26	7.18	13.85	14.12	11.70	13.51	13.99	12.52	10.93	5.62
21	11.55	11.68	11.38	7.01	13.43	14.41	11.43	13.77	14.20	12.36	10.64	5.41
22	8.77	11.26	11.82	7.55	13.02	14.42	11.24	14.01	14.23	10.40	10.73	4.84
23	6.27	10.91	11.27	---	13.46	14.39	11.21	14.22	14.09	10.60	9.53	6.77
24	5.75	10.45	11.19	---	14.00	14.33	10.11	14.47	13.81	12.82	8.58	11.28
25	5.59	---	12.99	---	14.08	14.22	9.33	14.46	13.47	13.70	7.88	12.50
26	6.27	---	---	---	13.92	14.00	11.83	14.35	12.46	13.53	7.64	11.70
27	5.89	9.45	14.34	---	13.81	13.81	13.58	14.17	9.34	13.19	7.71	9.26
28	5.45	8.55	14.24	---	13.83	13.53	13.73	13.86	8.62	12.53	7.61	7.85
29	5.47	---	14.02	8.61	---	13.15	12.95	13.59	8.83	11.69	7.32	7.85
30	6.27	---	---	8.68	---	12.70	12.55	13.32	9.65	10.81	6.85	6.99
31	8.43	---	12.57	8.61	---	12.21	---	12.77	---	9.90	7.28	---
MEAN	---	---	---	---	12.60	13.59	---	13.28	11.88	12.85	10.76	---
MAX	---	---	---	---	14.16	14.54	---	14.48	14.23	14.57	13.72	---
MIN	---	---	---	---	10.77	12.21	---	10.74	7.65	9.90	6.85	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00* CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	---	0.06	0.00	0.47	0.00	0.40	0.00	0.26	3.24	0.05
2	0.00	0.00	---	---	0.00	0.03	0.00	1.07	0.00	0.01	0.01	---
3	0.00	0.03	---	---	0.00	0.00	0.00	0.01	0.43	0.00	0.50	---
4	0.00	---	---	0.00	0.27	0.07	0.00	0.00	0.19	0.00	0.05	---
5	0.00	0.20	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	---
6	0.09	0.03	---	0.00	0.84	0.36	0.03	0.61	0.57	0.00	0.04	---
7	0.30	0.00	0.00	0.00	0.00	0.65	1.13	0.02	1.64	0.57	1.05	---
8	0.00	0.00	0.00	---	0.00	0.00	0.65	0.87	0.17	0.09	0.00	---
9	0.00	0.00	---	---	0.02	0.01	0.43	0.00	0.00	0.00	0.00	---
10	0.00	0.08	---	---	0.39	0.00	0.22	0.00	0.00	0.14	0.57	---
11	0.00	1.19	---	---	0.00	0.00	0.00	0.14	0.00	0.26	0.00	---
12	0.00	0.81	0.00	---	0.00	0.00	0.00	0.00	1.31	0.00	0.01	---
13	1.43	0.00	1.16	---	0.00	0.00	0.00	0.00	0.09	0.47	0.00	---
14	0.00	---	0.00	0.00	0.00	0.07	0.00	0.01	0.66	0.47	0.00	---
15	1.03	---	0.00	0.00	0.00	0.42	0.00	0.15	0.00	0.00	0.13	---
16	0.01	1.05	0.00	---	1.28	0.00	0.00	0.00	0.01	0.00	0.00	0.00
17	0.00	0.14	0.00	---	0.01	1.01	0.01	0.01	0.81	2.21	0.00	0.00
18	0.00	0.00	0.00	---	0.02	0.11	0.10	0.40	0.01	0.01	0.00	0.00
19	0.00	0.00	0.59	0.00	0.00	1.87	0.00	0.17	0.00	0.18	0.75	0.00
20	0.00	0.00	0.50	0.00	0.00	1.90	0.00	0.02	0.00	0.00	0.02	0.00
21	0.06	0.00	0.00	0.00	0.18	0.00	0.00	0.06	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	---	0.96	0.00	0.00	1.91	0.00	2.02	0.00	1.40
23	0.01	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.87	0.00	0.03
24	0.19	0.00	---	---	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00
25	0.04	---	0.04	---	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00
26	0.02	---	0.00	---	0.28	0.00	0.00	0.00	0.00	0.30	0.01	0.00
27	0.14	0.00	0.00	---	0.50	0.02	0.00	0.00	0.00	0.01	0.01	0.00
28	0.01	0.00	0.00	---	0.00	0.00	0.00	0.00	0.31	0.10	0.00	0.00
29	0.01	---	0.00	0.07	---	0.00	0.00	0.00	1.79	0.14	0.01	0.00
30	0.00	---	0.00	0.86	---	0.08	0.00	0.00	0.28	0.01	0.01	0.00
31	0.00	---	0.92	0.00	---	0.00	---	0.00	---	0.03	0.00	---
TOTAL	3.34	---	---	---	4.75	7.07	3.76	5.85	8.27	8.15	6.45	---

ALTAMAHA RIVER BASIN
2003 Water Year

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA

LOCATION.—Lat 32°40'17", long 83°36'11" referenced to North American Datum (NAD) of 1927, Bibb-Twiggs County line, Hydrologic Unit 03070103, on right bank 0.8 miles upstream from Echeconnee Creek, 4.0 miles northeast of Warner Robins, and 5.7 miles downstream from Tobesofkee Creek.

DRAINAGE AREA.—2,690 square miles, approximately.

COOPERATION.—Georgia Environmental Protection Division.

PERIOD OF RECORD.—May 1970 to February 1994, November 1994 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: October 1970 to current year.
pH: October 1971 to current year.
WATER TEMPERATURE: February 1970 to current year.
DISSOLVED OXYGEN: May 1970 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good, except for dissolved oxygen, which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 377 microsiemens, October 27, 1987; minimum recorded, 25.0 microsiemens, January 7, 1974.
pH: Maximum recorded, 8.8 units, October 6-8, 1993; minimum recorded, 5.2 units, January 14, 1972.
WATER TEMPERATURE: Maximum recorded, 34.5 °C, August 2, 1999; minimum recorded, 1.0 °C, January 19, 20, 1977.
DISSOLVED OXYGEN: Maximum recorded, 13.6 mg/L, March 15, 1993; minimum recorded, 0.0 mg/L, June 8, 9, 1971.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum, 243 microsiemens, October 13; minimum, 56 microsiemens, March 21.
pH: Maximum, 7.5 units, October 9, 13; minimum, 6.5 units, April 15.
WATER TEMPERATURE: Maximum, 29.7 °C, August 28, 30; minimum, 5.1 °C, January 19.
DISSOLVED OXYGEN: Maximum, 12.6 mg/L, January 29; minimum, 5.5 mg/L, June 28, September 23.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	165	154	159	130	122	126	---	---	---	86	82	85
2	190	164	175	137	130	133	---	---	---	86	83	84
3	201	189	194	149	132	140	---	---	---	---	---	---
4	209	195	201	155	---	---	---	---	---	88	85	87
5	227	208	224	163	153	158	---	---	---	88	86	87
6	232	225	229	163	144	153	---	---	---	89	87	88
7	237	228	233	163	131	144	---	---	---	93	89	91
8	230	223	227	131	120	124	---	---	---	92	91	92
9	238	224	233	122	119	121	---	---	---	---	---	---
10	233	202	221	123	120	121	---	---	---	---	---	---
11	236	204	229	125	120	122	---	---	---	---	---	---
12	237	207	229	122	100	112	131	123	128	---	---	---
13	243	209	222	108	98	103	123	112	119	---	---	---
14	211	153	168	107	---	---	112	99	106	114	94	104
15	165	149	158	---	---	---	102	97	99	113	103	107
16	176	139	156	95	93	94	104	98	100	107	101	103
17	140	130	136	95	90	93	108	103	105	106	99	104
18	133	130	131	92	90	91	111	106	108	105	99	102
19	132	126	130	95	92	93	115	111	113	112	101	103
20	126	123	124	94	91	92	115	98	109	114	108	112
21	127	124	126	101	94	98	100	94	96	117	106	110
22	141	127	132	101	98	99	94	90	92	---	---	---
23	145	139	142	105	100	103	98	94	96	---	---	---
24	162	139	148	105	100	102	102	96	99	---	---	---
25	162	148	156	---	---	---	98	72	79	---	---	---
26	152	142	147	---	---	---	80	73	75	---	---	---
27	155	147	150	108	103	104	82	79	81	---	---	---
28	161	151	156	112	106	108	80	76	78	---	---	---
29	162	155	159	---	---	---	77	75	76	118	110	114
30	159	148	155	---	---	---	---	---	---	116	110	113
31	149	128	137	---	---	---	82	77	79	124	111	116
MONTH	243	123	174	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	112	101	105	76	72	74	84	80	82	106	94	97
2	110	103	105	77	73	74	85	82	84	106	98	102
3	111	109	110	79	77	77	114	84	96	108	100	105
4	110	107	108	79	74	76	114	107	110	106	91	99
5	113	110	111	82	78	79	118	108	111	93	89	90
6	113	110	111	84	81	83	121	101	111	97	92	95
7	113	103	109	86	69	78	119	92	107	98	82	90
8	103	98	100	69	64	67	92	66	77	90	77	86
9	99	94	96	64	60	61	70	66	68	77	68	73
10	100	95	97	62	60	61	72	69	70	69	66	67
11	107	100	104	65	61	62	77	72	74	71	67	69
12	107	101	103	68	64	66	81	77	79	72	69	70
13	104	100	102	69	67	68	82	80	81	77	71	74
14	105	102	104	73	68	71	85	82	84	78	75	77
15	105	102	104	78	71	75	96	85	90	80	77	78
16	105	102	104	79	75	77	101	95	98	90	80	83
17	105	75	87	78	75	77	104	94	98	100	90	96
18	79	74	76	79	74	77	106	96	100	101	82	89
19	81	79	80	74	70	72	99	92	96	86	84	85
20	84	79	82	72	65	69	92	90	91	86	78	82
21	88	83	86	66	56	60	96	90	93	80	76	78
22	88	83	85	65	58	63	98	95	96	78	74	76
23	86	69	76	64	63	64	97	92	95	77	73	75
24	70	69	70	63	62	63	112	96	102	76	70	73
25	74	70	72	66	63	64	120	102	108	71	68	69
26	78	74	76	68	66	67	103	82	93	70	67	68
27	79	78	79	70	68	69	83	81	82	73	68	70
28	78	74	76	75	70	73	89	83	86	75	70	73
29	---	---	---	78	75	76	96	89	93	79	72	77
30	---	---	---	82	76	79	99	94	97	80	75	77
31	---	---	---	82	78	80	---	---	---	82	78	80
MONTH	113	69	94	86	56	71	121	66	92	108	66	81

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	91	77	82	114	85	105	113	88	99	137	121	128
2	104	90	99	87	69	82	100	78	92	---	---	---
3	114	104	107	76	68	73	95	79	83	---	---	---
4	116	105	114	71	62	66	88	80	85	---	---	---
5	105	90	96	63	60	62	90	88	90	---	---	---
6	101	88	93	64	61	63	90	86	88	---	---	---
7	108	87	99	69	62	63	91	88	89	---	---	---
8	90	81	84	68	62	64	93	77	86	---	---	---
9	86	82	84	70	66	68	84	65	73	---	---	---
10	89	86	88	73	69	71	84	67	77	---	---	---
11	105	89	95	76	72	74	89	83	87	---	---	---
12	101	93	98	76	74	75	96	89	91	---	---	---
13	104	94	101	76	75	76	96	84	89	---	---	---
14	102	88	96	79	74	77	92	84	89	---	---	---
15	99	85	89	82	77	79	96	92	94	---	---	---
16	89	84	86	83	80	81	111	95	103	152	133	138
17	88	85	87	85	82	83	118	107	111	174	137	146
18	89	86	88	88	85	87	117	107	112	174	125	137
19	89	87	88	93	88	90	110	101	105	157	128	136
20	87	82	85	94	90	92	111	103	105	158	145	150
21	82	77	80	94	84	90	116	105	111	165	151	156
22	79	73	76	---	---	---	120	104	111	168	156	164
23	77	72	73	---	---	---	133	112	121	168	115	150
24	77	72	74	---	---	---	134	114	123	132	117	124
25	76	74	74	---	---	---	128	112	121	117	110	113
26	88	76	80	88	83	85	130	115	123	121	117	119
27	112	88	102	92	88	90	140	118	128	130	120	123
28	123	82	104	100	92	95	138	121	128	144	127	135
29	109	93	104	111	98	101	140	116	127	144	129	137
30	109	98	102	119	102	110	145	120	129	152	128	136
31	---	---	---	121	108	112	142	124	132	---	---	---
MONTH	123	72	91	---	---	---	145	65	103	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.4	7.4	7.4	7.2	7.1	7.1	---	---	---	6.9	6.8	6.9
2	7.4	7.3	7.3	7.2	7.1	7.2	---	---	---	6.9	6.9	6.9
3	7.3	7.3	7.3	7.2	7.1	7.1	---	---	---	---	---	---
4	7.3	7.3	7.3	7.1	7.1	7.1	---	---	---	6.9	6.9	6.9
5	7.4	7.3	7.4	7.2	7.1	7.1	---	---	---	6.9	6.9	6.9
6	7.4	7.4	7.4	7.2	7.2	7.2	---	---	---	7.0	6.9	7.0
7	7.4	7.4	7.4	7.3	7.2	7.2	---	---	---	7.0	7.0	7.0
8	7.4	7.3	7.4	7.3	7.2	7.2	---	---	---	---	---	---
9	7.5	7.4	7.4	7.2	7.0	7.0	---	---	---	---	---	---
10	7.4	7.4	7.4	7.0	6.9	7.0	---	---	---	---	---	---
11	7.4	7.4	7.4	7.0	6.9	7.0	---	---	---	---	---	---
12	7.4	7.4	7.4	7.1	7.0	7.0	7.1	7.1	7.1	---	---	---
13	7.5	7.4	7.4	7.0	6.7	6.8	7.1	7.1	7.1	---	---	---
14	7.4	7.1	7.1	---	---	---	7.1	6.9	7.0	6.9	6.9	6.9
15	7.1	7.0	7.1	---	---	---	7.0	6.9	6.9	7.0	6.9	7.0
16	7.1	6.9	7.1	6.7	6.7	6.7	7.0	6.9	6.9	7.0	7.0	7.0
17	7.1	6.9	7.0	6.7	6.7	6.7	7.0	7.0	7.0	7.1	7.0	7.0
18	7.0	6.9	6.9	6.7	6.7	6.7	7.0	7.0	7.0	7.1	7.0	7.1
19	7.0	6.9	6.9	6.8	6.7	6.7	7.0	6.9	7.0	7.1	7.0	7.0
20	6.9	6.9	6.9	6.8	6.8	6.8	7.0	7.0	7.0	7.0	7.0	7.0
21	6.9	6.8	6.9	6.9	6.8	6.8	7.0	6.9	6.9	7.1	7.0	7.0
22	6.9	6.8	6.8	6.9	6.8	6.9	6.9	6.9	6.9	---	---	---
23	6.9	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	---	---	---
24	7.0	6.9	6.9	7.0	6.9	6.9	7.0	6.8	6.9	---	---	---
25	7.0	7.0	7.0	---	---	---	7.0	6.7	6.7	---	---	---
26	7.1	7.0	7.1	---	---	---	6.7	6.6	6.6	---	---	---
27	7.1	7.0	7.1	7.0	7.0	7.0	6.8	6.7	6.7	---	---	---
28	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.8	6.8	---	---	---
29	7.1	7.0	7.1	---	---	---	6.8	6.8	6.8	7.2	7.2	7.2
30	7.1	7.1	7.1	---	---	---	---	---	---	7.2	7.1	7.2
31	7.2	7.1	7.1	---	---	---	6.8	6.8	6.8	7.2	7.1	7.1
MAX	7.5	7.4	7.4	---	---	---	---	---	---	---	---	---
MIN	6.9	6.8	6.8	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.2	7.1	7.1	7.0	7.0	7.0	7.0	6.9	7.0	7.1	7.0	7.1
2	7.2	7.1	7.2	7.0	7.0	7.0	7.0	6.9	7.0	7.1	7.0	7.1
3	7.2	7.2	7.2	7.0	7.0	7.0	6.9	6.8	6.8	7.2	7.0	7.0
4	7.3	7.2	7.2	7.1	7.0	7.0	6.9	6.8	6.9	7.2	7.1	7.1
5	7.2	7.2	7.2	7.1	7.0	7.0	7.0	6.9	6.9	7.1	7.0	7.0
6	7.3	7.2	7.2	7.1	7.0	7.1	7.0	6.9	7.0	7.1	7.0	7.1
7	7.2	7.2	7.2	7.1	6.9	7.0	7.1	6.9	7.0	7.1	6.9	7.1
8	7.2	7.1	7.2	6.9	6.7	6.8	7.1	6.7	6.9	7.0	6.7	6.9
9	7.1	7.1	7.1	6.7	6.7	6.7	6.8	6.7	6.7	6.7	6.6	6.7
10	7.2	7.1	7.1	6.8	6.7	6.7	6.8	6.8	6.8	6.7	6.6	6.6
11	7.3	6.9	7.1	6.8	6.7	6.8	6.9	6.8	6.9	6.7	6.7	6.7
12	7.3	7.3	7.3	6.9	6.8	6.8	6.9	6.9	6.9	6.8	6.7	6.8
13	7.3	7.3	7.3	6.9	6.8	6.8	7.0	6.9	6.9	6.8	6.8	6.8
14	7.3	7.3	7.3	6.9	6.8	6.9	7.0	6.9	7.0	6.9	6.8	6.8
15	7.3	7.3	7.3	6.9	6.9	6.9	7.0	6.5	7.0	6.9	6.9	6.9
16	7.3	7.3	7.3	6.9	6.9	6.9	7.0	6.9	7.0	6.9	6.8	6.9
17	7.3	7.0	7.1	7.0	6.9	6.9	7.0	6.9	7.0	6.8	6.8	6.8
18	7.0	7.0	7.0	6.9	6.9	6.9	7.2	7.0	7.0	7.0	6.8	7.0
19	7.1	7.0	7.0	6.9	6.8	6.9	7.2	7.1	7.1	7.0	7.0	7.0
20	7.1	7.0	7.1	6.9	6.7	6.9	7.1	7.0	7.1	7.0	6.9	7.0
21	7.1	7.1	7.1	6.8	6.6	6.6	7.1	7.0	7.0	7.0	6.9	6.9
22	7.1	7.1	7.1	6.7	6.6	6.7	7.2	7.1	7.1	7.0	6.9	6.9
23	7.1	6.9	7.0	6.7	6.7	6.7	7.2	7.1	7.1	6.9	6.8	6.9
24	6.9	6.9	6.9	6.7	6.7	6.7	7.1	7.0	7.0	6.8	6.8	6.8
25	7.0	6.9	7.0	6.8	6.7	6.7	7.1	7.0	7.0	6.8	6.8	6.8
26	7.0	7.0	7.0	6.8	6.8	6.8	7.2	7.0	7.1	6.8	6.8	6.8
27	7.1	7.0	7.0	6.8	6.8	6.8	7.0	7.0	7.0	6.9	6.8	6.8
28	7.0	7.0	7.0	6.8	6.8	6.8	7.0	7.0	7.0	6.9	6.8	6.9
29	---	---	---	6.8	6.8	6.8	7.1	7.0	7.0	6.9	6.9	6.9
30	---	---	---	6.9	6.8	6.8	7.1	7.1	7.1	7.0	6.9	6.9
31	---	---	---	7.0	6.9	6.9	---	---	---	7.0	7.0	7.0
MAX	7.3	7.3	7.3	7.1	7.0	7.1	7.2	7.1	7.1	7.2	7.1	7.1
MIN	6.9	6.9	6.9	6.7	6.6	6.6	6.8	6.5	6.7	6.7	6.6	6.6

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.0	6.9	7.0	7.1	6.9	7.0	7.0	6.9	7.0	7.0	6.9	6.9
2	6.9	6.8	6.9	7.1	6.8	7.0	7.0	6.8	6.8	7.0	7.0	7.0
3	6.9	6.8	6.9	6.8	6.8	6.8	6.8	6.8	6.8	---	---	---
4	7.0	6.9	6.9	6.8	6.7	6.8	6.9	6.8	6.8	---	---	---
5	7.1	7.0	7.0	6.8	6.7	6.8	6.9	6.9	6.9	---	---	---
6	7.0	7.0	7.0	6.8	6.8	6.8	6.9	6.8	6.9	---	---	---
7	7.1	7.0	7.0	6.8	6.8	6.8	6.9	6.8	6.9	---	---	---
8	7.0	6.9	7.0	6.9	6.8	6.8	6.9	6.7	6.8	---	---	---
9	7.0	6.9	7.0	6.9	6.8	6.9	6.8	6.6	6.6	---	---	---
10	7.0	7.0	7.0	6.9	6.9	6.9	6.8	6.6	6.7	---	---	---
11	7.1	7.0	7.0	7.0	6.9	6.9	6.9	6.8	6.8	---	---	---
12	7.1	7.0	7.0	7.0	7.0	7.0	6.9	6.8	6.9	---	---	---
13	7.1	7.0	7.0	7.0	7.0	7.0	6.9	6.8	6.9	---	---	---
14	7.1	6.9	7.0	7.0	6.9	7.0	6.9	6.8	6.9	---	---	---
15	7.0	6.9	7.0	7.0	6.9	7.0	6.9	6.9	6.9	7.1	7.1	7.1
16	7.0	6.9	7.0	7.0	7.0	7.0	6.9	6.8	6.8	7.1	7.0	7.1
17	7.0	7.0	7.0	7.0	7.0	7.0	6.9	6.8	6.8	7.1	7.0	7.1
18	7.0	7.0	7.0	7.1	7.0	7.0	7.0	6.8	6.9	7.3	7.0	7.1
19	7.0	7.0	7.0	7.1	7.0	7.1	7.0	6.9	6.9	7.3	7.2	7.3
20	7.0	6.9	7.0	7.1	7.1	7.1	6.9	6.9	6.9	7.3	7.2	7.3
21	6.9	6.9	6.9	7.1	7.0	7.0	7.0	6.8	6.9	7.3	7.2	7.3
22	6.9	6.9	6.9	7.0	6.9	6.9	6.9	6.9	6.9	7.3	7.2	7.2
23	7.0	6.9	6.9	7.0	7.0	7.0	6.9	6.8	6.8	7.3	7.0	7.2
24	7.0	6.9	7.0	7.0	7.0	7.0	6.9	6.8	6.8	7.2	7.0	7.2
25	7.0	6.9	7.0	7.0	6.9	7.0	6.9	6.8	6.8	7.0	7.0	7.0
26	7.0	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.9	7.1	7.0	7.0
27	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.0	6.9	7.0
28	7.0	6.8	6.9	6.9	6.9	6.9	7.0	6.9	6.9	7.2	7.0	7.1
29	6.9	6.8	6.8	6.9	6.8	6.9	7.0	6.9	7.0	7.2	7.2	7.2
30	6.9	6.9	6.9	7.0	6.9	6.9	7.0	6.9	6.9	7.2	7.2	7.2
31	---	---	---	7.0	6.9	6.9	7.0	6.9	6.9	---	---	---
MAX	7.1	7.0	7.0	7.1	7.1	7.1	7.0	6.9	7.0	---	---	---
MIN	6.9	6.8	6.8	6.8	6.7	6.8	6.8	6.6	6.6	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	25.5	24.4	25.0	18.9	17.4	18.0	---	---	---	---	8.9	---
2	26.2	24.9	25.5	17.5	16.8	17.1	---	---	---	---	---	---
3	26.9	25.1	25.9	16.9	16.5	16.7	---	---	---	---	---	---
4	27.1	25.5	26.2	16.8	16.6	16.7	---	---	---	9.2	7.7	8.3
5	27.4	26.0	26.6	16.7	16.3	16.5	---	---	---	---	---	---
6	28.1	25.8	26.8	17.1	16.5	16.8	---	---	---	8.1	7.5	7.8
7	27.9	26.1	26.8	16.6	15.5	15.9	---	---	---	7.8	7.2	7.5
8	26.5	25.2	26.1	16.0	---	---	---	---	---	---	7.0	---
9	25.2	23.2	24.2	16.0	15.6	15.8	---	---	---	---	---	---
10	23.6	22.9	23.2	17.0	15.8	16.4	---	---	---	---	---	---
11	24.7	23.1	23.8	18.0	17.0	17.6	---	---	---	---	---	---
12	25.4	23.6	24.4	18.0	16.7	17.6	9.4	9.1	9.2	---	---	---
13	24.7	23.6	24.4	16.7	15.4	16.0	9.3	9.1	9.2	---	---	---
14	23.6	21.9	22.6	15.4	14.8	15.0	9.2	8.3	8.8	7.8	7.0	7.3
15	21.9	19.5	20.9	---	---	---	8.3	7.5	7.8	7.7	7.0	7.3
16	19.5	18.8	19.0	15.1	14.8	15.0	8.1	7.5	7.8	---	6.8	---
17	20.0	18.7	19.2	15.0	13.6	14.5	8.6	7.9	8.2	7.2	6.4	6.9
18	20.0	19.2	19.6	13.6	12.3	12.8	9.1	8.2	8.6	6.4	---	---
19	19.2	18.7	18.9	12.6	12.2	12.4	10.1	9.0	9.4	5.6	5.1	5.3
20	19.2	18.7	19.0	13.7	12.6	13.1	11.2	10.1	10.7	6.4	5.2	5.9
21	20.0	19.1	19.6	14.3	---	---	11.3	9.6	10.4	8.2	6.1	7.2
22	19.9	19.5	19.7	14.2	13.3	14.0	9.6	8.9	9.2	---	---	---
23	19.5	18.7	19.2	13.3	11.7	12.4	9.4	8.8	9.1	---	---	---
24	18.7	18.4	18.6	11.7	11.1	11.4	10.2	---	---	---	---	---
25	18.8	18.5	18.6	---	---	---	10.7	9.6	10.3	---	---	---
26	18.7	18.4	18.5	11.8	---	---	9.6	8.0	8.6	---	---	---
27	19.4	18.6	19.0	11.9	11.6	11.8	8.0	7.4	7.6	---	---	---
28	20.6	19.3	20.0	11.8	10.5	11.1	7.7	7.2	7.5	---	---	---
29	21.2	20.4	20.8	---	---	---	7.9	7.4	7.6	7.1	5.8	6.6
30	21.5	20.8	21.1	---	---	---	8.1	---	---	8.2	7.1	7.8
31	20.8	18.9	20.0	---	---	---	8.9	7.8	8.3	9.2	8.2	8.7
MONTH	28.1	18.4	22.0	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.4	8.0	8.2	10.7	10.4	10.6	16.0	14.7	15.3	21.9	20.5	21.2
2	8.5	7.9	8.2	11.2	10.6	10.8	17.2	15.4	16.3	22.1	21.0	21.5
3	9.0	7.9	8.4	11.4	10.8	11.1	18.2	16.6	17.3	21.8	21.2	21.6
4	10.4	8.9	9.7	11.9	11.2	11.6	19.2	17.8	18.5	21.3	20.7	21.0
5	10.2	9.3	9.8	12.9	11.8	12.3	19.7	18.9	19.3	21.4	20.3	20.9
6	9.3	8.6	8.9	13.8	12.9	13.5	20.2	19.5	19.9	22.3	21.2	21.8
7	8.6	8.1	8.3	13.8	13.4	13.5	20.4	19.8	20.2	22.2	21.7	21.9
8	8.1	7.6	7.9	13.9	13.0	13.5	19.8	17.0	18.1	22.3	21.4	21.9
9	8.7	7.9	8.3	14.2	13.6	13.9	17.0	15.7	16.3	22.6	22.1	22.3
10	9.8	8.7	9.2	14.5	13.6	14.1	15.7	14.2	14.9	22.8	22.1	22.5
11	9.7	9.1	9.5	14.6	13.9	14.2	14.5	13.9	14.2	23.1	22.6	22.8
12	9.6	8.8	9.2	15.0	14.1	14.5	15.9	14.5	15.1	22.8	22.0	22.4
13	9.8	8.9	9.3	16.4	14.9	15.7	17.3	15.8	16.5	22.1	21.6	21.9
14	9.8	9.0	9.4	16.6	15.9	16.4	18.3	16.9	17.6	21.8	21.3	21.7
15	10.8	9.4	10.1	15.9	14.7	15.4	18.9	17.7	18.3	21.3	21.0	21.2
16	11.4	10.8	11.1	14.7	14.3	14.4	19.6	18.4	18.9	21.8	20.9	21.3
17	10.9	9.0	9.9	14.3	14.1	14.2	19.7	19.1	19.4	23.5	21.7	22.6
18	9.0	8.5	8.8	14.9	14.2	14.6	19.6	19.1	19.3	24.2	23.1	23.8
19	9.4	8.7	9.0	15.9	14.9	15.4	19.2	18.2	18.8	23.1	21.4	22.4
20	10.0	9.3	9.6	17.0	15.9	16.4	18.8	17.9	18.3	21.4	20.9	21.2
21	10.9	10.0	10.6	17.5	16.7	17.0	19.0	18.5	18.7	21.9	21.3	21.6
22	12.5	10.9	11.8	17.3	16.5	16.9	19.4	18.6	19.0	21.8	21.1	21.5
23	13.1	12.3	12.7	16.9	16.2	16.5	19.3	18.4	18.9	21.1	20.4	20.6
24	12.6	11.8	12.1	16.7	15.7	16.2	18.9	18.0	18.5	20.9	20.3	20.6
25	12.0	11.7	11.8	16.9	16.0	16.4	19.1	18.5	18.7	21.5	20.8	21.1
26	12.0	11.8	11.9	17.5	16.7	17.0	18.7	18.0	18.5	21.6	21.2	21.4
27	11.8	10.7	11.4	17.7	17.3	17.5	18.8	17.9	18.3	21.8	21.4	21.6
28	10.7	10.2	10.4	18.2	17.4	17.8	19.8	18.6	19.2	21.8	21.2	21.5
29	---	---	---	18.4	17.7	18.0	20.8	19.3	20.0	22.3	21.4	21.8
30	---	---	---	17.9	16.4	17.4	21.2	19.9	20.5	22.4	21.6	21.9
31	---	---	---	16.4	15.1	15.6	---	---	---	23.1	21.7	22.4
MONTH	13.1	7.6	9.8	18.4	10.4	14.9	21.2	13.9	18.1	24.2	20.3	21.7

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LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.9	22.8	23.2	25.4	24.9	25.0	27.6	27.0	27.3	29.6	28.6	29.0
2	24.0	22.6	23.2	25.0	23.8	24.4	27.2	25.6	26.2	---	28.6	---
3	24.0	23.5	23.7	24.8	23.7	24.4	26.0	25.7	25.8	---	---	---
4	24.5	23.6	24.1	25.1	24.6	24.9	25.9	25.5	25.7	---	---	---
5	25.4	24.1	24.8	24.6	24.2	24.3	26.1	25.4	25.7	---	---	---
6	24.7	24.1	24.6	24.8	24.1	24.4	26.4	25.8	26.0	---	---	---
7	24.2	23.7	23.9	25.5	24.7	25.1	26.7	25.9	26.2	---	---	---
8	23.7	23.1	23.4	25.8	25.3	25.5	26.2	25.2	25.8	---	---	---
9	24.2	23.3	23.7	26.6	25.6	26.1	25.7	25.2	25.5	---	---	---
10	24.9	24.0	24.5	27.1	26.4	26.7	26.5	25.7	26.1	---	---	---
11	25.5	24.6	25.1	27.4	26.5	26.9	26.8	25.9	26.3	---	---	---
12	26.1	25.2	25.5	27.4	26.6	26.9	26.3	25.7	26.0	---	---	---
13	25.5	24.9	25.2	27.2	26.2	26.7	26.0	24.7	25.5	---	---	---
14	25.3	24.7	24.9	26.2	25.3	25.7	26.8	25.7	26.2	---	---	---
15	25.0	24.1	24.6	26.1	25.1	25.6	27.8	26.5	27.1	---	---	---
16	25.7	24.6	25.2	27.0	25.7	26.4	27.7	27.0	27.3	26.6	---	---
17	26.2	25.5	25.8	27.8	26.6	27.1	27.9	27.3	27.5	26.3	25.4	25.8
18	25.7	25.1	25.4	27.7	26.7	27.1	28.3	27.4	27.8	25.9	24.7	25.2
19	25.5	25.1	25.3	27.8	26.8	27.2	28.1	27.3	27.7	25.4	24.2	24.8
20	25.7	25.4	25.5	27.1	26.6	26.8	27.3	26.6	26.9	25.8	24.5	25.1
21	25.4	24.8	25.1	27.2	26.3	26.8	28.0	26.7	27.3	26.2	25.1	25.6
22	25.1	24.5	24.8	---	26.8	---	28.1	27.4	27.8	26.1	25.5	25.8
23	25.4	24.6	25.0	---	---	---	28.1	27.3	27.6	25.7	24.6	25.3
24	26.0	25.2	25.6	---	---	---	28.9	27.9	28.4	25.1	24.1	24.7
25	26.2	25.5	25.9	---	---	---	28.9	28.4	28.6	24.7	24.0	24.3
26	26.6	25.5	26.0	26.5	25.8	26.2	29.1	28.2	28.6	25.1	24.0	24.5
27	26.6	25.8	26.2	26.7	25.9	26.2	29.4	28.5	28.9	25.1	24.3	24.7
28	26.3	24.9	25.9	27.3	26.3	26.8	29.7	28.8	29.2	25.5	24.5	25.0
29	25.4	24.7	25.1	27.2	26.3	26.8	29.6	28.8	29.2	24.5	22.5	23.8
30	25.2	24.5	24.8	27.2	26.6	26.9	29.7	28.7	29.1	22.5	21.4	22.1
31	---	---	---	27.5	26.8	27.1	29.5	28.4	28.9	---	---	---
MONTH	26.6	22.6	24.9	---	---	---	29.7	24.7	27.2	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.7	7.6	7.7	8.5	8.1	8.4	---	---	---	11.1	10.5	10.9
2	7.7	7.1	7.4	8.7	8.5	8.6	---	---	---	10.5	10.5	10.5
3	7.1	7.0	7.0	8.7	8.4	8.6	---	---	---	---	---	---
4	7.2	7.0	7.1	8.4	8.3	8.3	---	---	---	11.8	11.0	11.4
5	7.2	7.1	7.2	8.6	8.4	8.5	---	---	---	12.1	11.8	12.0
6	7.3	7.1	7.2	8.7	8.5	8.6	---	---	---	12.1	12.0	12.1
7	7.3	7.2	7.3	9.2	8.5	8.9	---	---	---	12.2	12.0	12.2
8	7.3	6.9	7.2	9.2	8.9	9.0	---	---	---	12.5	12.2	12.4
9	7.5	7.2	7.4	8.9	8.5	8.7	---	---	---	---	---	---
10	7.6	7.4	7.5	8.7	8.0	8.4	---	---	---	---	---	---
11	7.5	7.3	7.4	8.0	7.8	7.9	---	---	---	---	---	---
12	7.3	7.1	7.2	7.9	7.7	7.8	10.0	9.8	9.8	---	---	---
13	7.3	7.1	7.2	7.7	7.1	7.3	10.1	10.0	10.0	---	---	---
14	7.2	6.7	6.8	7.2	7.1	7.2	10.1	9.9	10.0	11.0	10.4	10.6
15	7.4	7.0	7.2	---	---	---	10.3	10.0	10.2	11.3	10.6	10.9
16	7.6	7.4	7.5	7.5	7.4	7.4	10.4	10.3	10.4	11.4	11.0	11.2
17	7.5	6.9	7.3	7.6	7.4	7.5	10.5	10.4	10.4	11.6	11.2	11.3
18	7.4	6.9	7.2	8.4	7.6	8.0	10.5	10.2	10.4	11.9	11.4	11.6
19	7.6	7.4	7.5	8.7	8.4	8.6	10.2	10.0	10.1	12.0	11.8	11.8
20	7.6	7.2	7.4	8.8	8.6	8.7	10.0	9.6	9.9	11.7	11.6	11.7
21	7.3	7.2	7.2	8.6	8.4	8.5	10.0	9.5	9.8	11.8	11.3	11.6
22	7.2	6.9	7.0	8.6	8.4	8.5	10.3	10.0	10.2	---	---	---
23	7.1	6.9	7.0	9.3	8.6	9.0	10.4	10.3	10.4	---	---	---
24	7.5	7.1	7.4	9.7	9.3	9.6	10.5	10.2	10.3	---	---	---
25	7.8	7.5	7.7	---	---	---	10.5	9.7	9.9	---	---	---
26	8.0	7.8	7.9	---	---	---	10.5	9.8	10.2	---	---	---
27	7.9	7.5	7.8	10.0	9.8	9.9	11.0	10.5	10.8	---	---	---
28	7.5	7.3	7.4	10.0	9.8	9.9	11.2	11.0	11.2	---	---	---
29	7.4	7.3	7.3	---	---	---	11.2	11.0	11.2	12.6	12.3	12.4
30	7.5	7.3	7.4	---	---	---	11.2	11.0	11.1	12.3	11.6	11.9
31	8.1	7.5	7.8	---	---	---	11.3	11.1	11.2	11.6	11.0	11.3
MONTH	8.1	6.7	7.3	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	11.7	11.5	11.6	10.6	10.3	10.4	9.6	9.4	9.5	8.6	8.1	8.4
2	11.8	11.6	11.7	10.4	10.3	10.3	9.5	8.8	9.3	8.8	8.0	8.3
3	11.8	11.6	11.7	10.5	10.2	10.4	8.8	8.0	8.2	8.4	7.7	8.0
4	11.6	11.0	11.3	10.4	10.2	10.3	8.1	7.8	8.0	8.7	8.1	8.4
5	11.1	10.9	11.0	10.3	10.1	10.2	7.8	7.7	7.8	8.5	8.2	8.4
6	11.5	11.1	11.3	10.1	9.7	9.9	7.9	7.5	7.8	8.3	8.2	8.2
7	11.4	11.3	11.4	9.9	9.6	9.8	8.5	7.8	8.1	8.3	7.7	8.0
8	11.6	11.3	11.4	9.6	8.7	9.2	8.7	8.3	8.5	8.1	7.0	7.5
9	11.3	11.0	11.2	8.9	8.7	8.8	8.6	8.4	8.5	7.0	6.7	6.8
10	---	---	---	9.1	8.8	9.0	9.1	8.6	8.8	6.9	6.7	6.8
11	11.5	---	---	9.2	9.0	9.1	9.4	9.1	9.3	6.9	6.8	6.9
12	11.6	11.4	11.5	9.3	9.2	9.3	9.4	9.2	9.3	7.3	6.9	7.1
13	11.6	11.4	11.5	9.2	9.0	9.1	9.2	9.0	9.1	7.6	7.3	7.5
14	11.6	11.3	11.4	9.0	8.7	8.8	9.0	8.9	8.9	7.6	7.5	7.6
15	11.4	11.1	11.3	9.1	8.8	9.0	9.1	8.5	8.8	7.8	7.6	7.7
16	11.1	10.6	10.8	9.5	9.1	9.3	8.5	8.2	8.4	7.8	7.1	7.6
17	10.7	10.4	10.6	9.5	9.4	9.5	8.4	8.0	8.1	7.1	6.8	6.9
18	10.9	10.6	10.7	9.4	9.1	9.3	8.9	8.2	8.5	7.6	7.0	7.4
19	11.0	10.8	10.9	9.1	8.8	9.0	9.2	8.5	8.8	7.8	7.5	7.6
20	11.0	10.8	10.9	8.8	7.9	8.5	9.0	8.8	8.9	8.0	7.8	7.9
21	10.8	10.3	10.6	7.9	7.5	7.6	9.0	8.6	8.8	8.0	7.7	7.8
22	10.3	10.0	10.1	8.0	7.8	7.9	9.1	8.7	8.9	7.8	7.6	7.7
23	10.0	9.5	9.7	8.2	8.0	8.1	9.2	8.8	9.0	7.7	7.4	7.6
24	10.0	9.5	9.7	8.4	8.2	8.3	9.0	8.4	8.6	7.4	7.4	7.4
25	10.2	9.9	10.1	8.6	8.4	8.5	8.9	8.5	8.6	7.4	7.3	7.4
26	10.2	10.0	10.1	8.6	8.5	8.5	9.1	8.8	8.9	7.4	7.3	7.3
27	10.2	10.0	10.1	8.5	8.4	8.5	8.9	8.7	8.7	7.5	7.3	7.4
28	10.6	10.2	10.4	8.5	8.3	8.4	8.7	8.5	8.6	7.7	7.5	7.6
29	---	---	---	8.5	8.4	8.4	8.6	8.3	8.4	7.7	7.4	7.5
30	---	---	---	8.6	8.3	8.4	8.7	8.5	8.6	7.6	7.5	7.6
31	---	---	---	9.4	8.6	9.1	---	---	---	7.6	7.4	7.5
MONTH	---	---	---	10.6	7.5	9.1	9.6	7.5	8.7	8.8	6.7	7.6

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA SOURCE AGENCY USGS STATE 13 COUNTY 021
LATITUDE 324017 LONGITUDE 0833611 NAD27 DRAINAGE AREA 2690.00 CONTRIBUTING DRAINAGE AREA DATUM 251.00 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.4	6.8	7.3	7.4	6.5	6.9	6.7	6.0	6.3	6.3	6.0	6.1
2	6.8	6.3	6.5	7.5	7.0	7.3	6.6	6.2	6.4	6.3	6.2	6.3
3	6.7	6.4	6.5	7.0	6.4	6.8	6.4	6.2	6.3	---	---	---
4	6.8	6.4	6.5	6.6	6.3	6.4	6.5	6.3	6.4	---	---	---
5	7.1	6.8	7.0	6.9	6.6	6.8	6.7	6.5	6.6	---	---	---
6	7.1	7.0	7.0	6.9	6.8	6.9	6.6	6.3	6.4	---	---	---
7	7.5	6.9	7.1	7.0	6.9	6.9	6.5	6.2	6.4	---	---	---
8	7.4	7.1	7.2	7.1	6.9	7.0	6.5	6.1	6.3	---	---	---
9	7.2	7.1	7.1	7.1	7.0	7.0	6.1	5.8	5.9	---	---	---
10	7.2	7.1	7.2	7.0	6.9	6.9	6.2	5.8	6.0	---	---	---
11	7.2	7.1	7.2	6.9	6.7	6.8	6.4	6.2	6.3	---	---	---
12	7.1	7.0	7.1	7.0	6.8	6.9	6.7	6.2	6.4	---	---	---
13	7.1	6.9	7.0	7.1	6.9	7.0	6.7	6.3	6.5	---	---	---
14	7.1	6.6	6.9	7.2	6.8	7.0	6.6	6.4	6.5	---	---	---
15	7.1	6.8	6.9	7.1	6.9	7.0	6.5	6.3	6.4	7.0	6.7	6.9
16	6.9	6.8	6.9	7.1	6.9	7.0	6.4	5.7	6.0	6.9	6.7	6.8
17	7.0	6.8	6.9	7.6	6.9	7.0	6.5	5.8	6.1	7.0	6.7	6.9
18	6.9	6.8	6.9	7.0	6.8	6.9	6.8	6.2	6.4	7.3	6.9	7.1
19	7.0	6.9	6.9	7.1	6.9	7.0	6.8	6.6	6.7	7.2	6.9	7.0
20	6.9	6.7	6.8	7.1	7.0	7.1	6.9	6.6	6.7	7.1	6.8	7.0
21	6.8	6.7	6.8	7.1	6.3	6.9	6.9	6.5	6.6	7.0	6.7	6.9
22	6.9	6.8	6.9	6.3	5.7	5.9	6.8	6.5	6.7	6.8	6.6	6.7
23	7.0	6.9	6.9	---	---	---	6.5	5.9	6.2	6.8	5.5	6.4
24	7.0	6.9	7.0	---	---	---	6.5	6.0	6.2	6.8	6.2	6.6
25	7.1	6.9	7.0	---	---	---	6.3	6.0	6.1	6.7	6.4	6.5
26	6.9	6.3	6.8	6.7	6.5	6.6	6.4	5.9	6.2	6.7	6.5	6.6
27	6.3	5.8	5.9	6.6	6.4	6.5	6.2	5.9	6.1	6.5	6.1	6.3
28	6.6	5.5	6.0	6.4	6.2	6.3	6.2	6.0	6.1	6.9	6.3	6.5
29	6.5	5.8	6.1	6.2	5.9	6.1	6.2	6.0	6.1	7.3	6.9	7.0
30	6.6	6.4	6.5	6.5	6.0	6.2	6.1	5.9	6.0	7.6	7.3	7.4
31	---	---	---	6.5	5.9	6.2	6.1	6.0	6.1	---	---	---
MONTH	7.5	5.5	6.8	---	---	---	6.9	5.7	6.3	---	---	---

ALTAMAHA RIVER BASIN
2003 Water Year

02214280 SAVAGE CREEK AT US 23, NEAR BULLARD, GA

LOCATION.—Lat 32°35'34", long 83°28'11" referenced to North American Datum (NAD) of 1927, Twiggs County, Hydrologic Unit 03070104, at US 23, 3.0 miles southeast of Bullard.

DRAINAGE AREA.—33.0 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1979 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 264.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 11.49 feet, March 13, 1980
DISCHARGE: 2,700 cfs, March 13, 1980

MAXIMUM FOR CURRENT YEAR.—
STAGE: 10.00 feet, March 20
DISCHARGE: 1,200 cfs, March 20

ALTAMAHA RIVER BASIN
2003 Water Year

02214820 MOSSY CREEK AT US 41, NEAR PERRY, GA

LOCATION.—Lat 32°31'15", long 83°43'23" referenced to North American Datum (NAD) of 1927, Houston County, Hydrologic Unit 03070104, at US 41, 4.5 miles north of Perry.

DRAINAGE AREA.—92.9 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1979 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 300.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

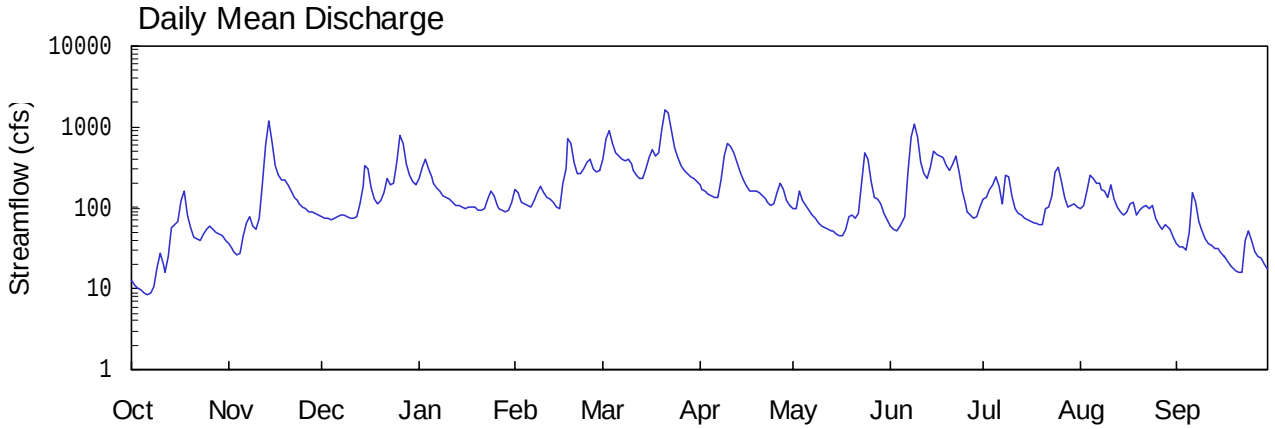
MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 19.86 feet, July 6, 1994
DISCHARGE: 24,000 cfs, July 6, 1994

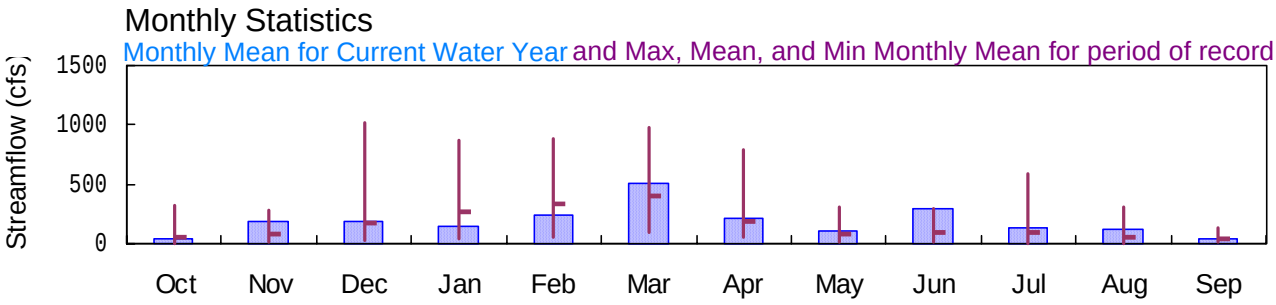
MAXIMUM FOR CURRENT YEAR.—
STAGE: 7.74 feet, March 20
DISCHARGE: 824 cfs, March 20

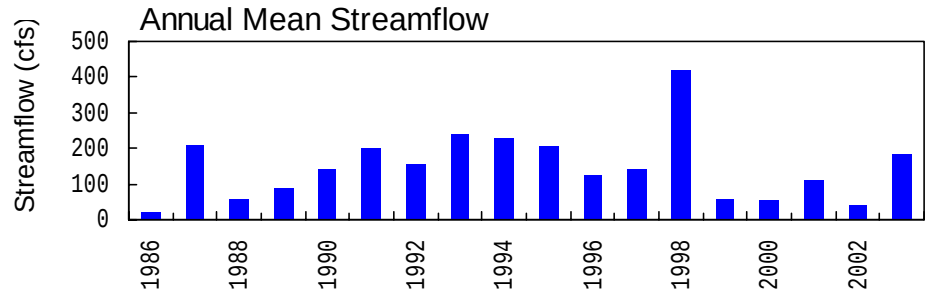
2003 Water Year

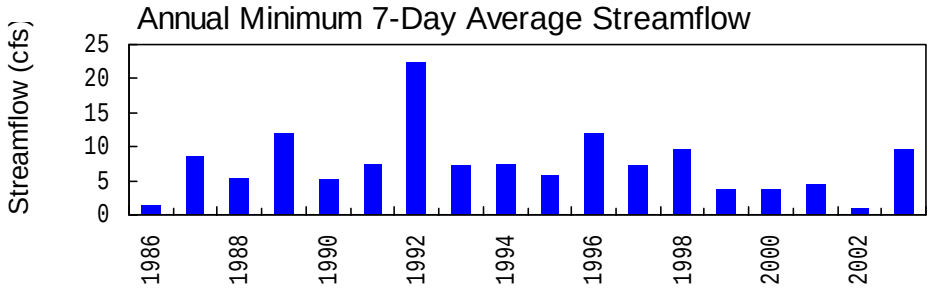
02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA

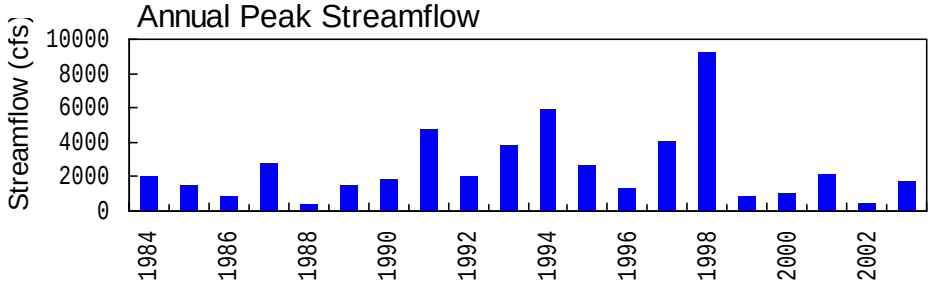
Latitude: 32°14'22" Longitude: 083°30'06" Hydrologic Unit Code: 03070104 Pulaski County
Drainage Area: 163 mi² Datum: 210.4 feet

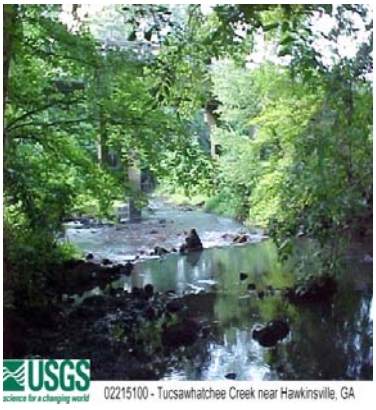












ALTAMAHA RIVER BASIN
2003 Water Year

02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA

LOCATION.—Lat 32°14'22", long 83°30'06" referenced to North American Datum (NAD) of 1983, Pulaski County, Hydrologic Unit 03070104, on left bank 90.0 feet upstream from GA 27 and 257, 0.6 miles upstream from Cedar Creek, 0.6 miles downstream from Long Branch, and 3.5 miles southwest of Hawkinsville.

DRAINAGE AREA.—163 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Water years 1984-86 (annual maximum), April 1986 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 210.49 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from Georgia Department of Transportation). From December 6, 1984 to April 1, 1986, a crest-stage gage was located at a site 100.00 feet downstream at datum 3.00 feet higher.

REMARKS.--Records good, except for period of estimated discharge, which is fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/14	0600	1,260	9.09
03/21	1400	1,790*	10.29*
06/09	0830	1,140	8.76

WATER-STAGE RECORDS

PERIOD OF RECORD.-- Water years 1984-86 (annual maximum), April 1986 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 210.49 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from Georgia Department of Transportation). From December 6, 1984 to April 1, 1986, a crest-stage gage was located at a site 100.00 feet downstream at datum 3.00 feet higher.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 10.29 feet, March 21; minimum gage-height recorded, 1.38 feet, October 6.

02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 26, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 235
LATITUDE 321422 LONGITUDE 0833006 NAD83 DRAINAGE AREA 163 CONTRIBUTING DRAINAGE AREA 163* DATUM 210.49 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	36	77	230	166	395	191	96	60	129	100	35
2	11	32	76	311	154	725	172	96	54	137	108	33
3	10	29	74	405	119	890	159	163	53	168	164	32
4	9.6	27	73	307	110	637	148	125	60	195	257	30
5	8.9	28	75	243	105	487	139	107	64	242	230	49
6	8.4	46	78	203	104	439	133	94	79	184	206	151
7	8.8	66	81	177	121	399	134	82	279	110	198	119
8	11	79	80	159	152	375	216	74	770	248	165	69
9	18	59	77	143	187	395	429	66	1100	247	159	52
10	28	55	73	134	151	352	621	59	742	139	137	41
11	20	73	75	126	134	296	564	58	367	99	191	36
12	16	202	76	116	128	257	469	55	269	85	131	34
13	25	602	114	108	115	232	361	51	232	80	100	31
14	57	1170	183	106	104	234	273	52	315	76	89	31
15	63	655	328	101	97	306	218	47	502	72	82	28
16	68	337	300	97	e200	426	184	46	458	67	91	25
17	121	249	178	101	e300	520	159	44	441	64	113	22
18	159	223	130	105	704	442	159	54	420	66	115	19
19	82	226	113	102	629	489	163	77	333	62	83	18
20	56	191	122	95	365	927	156	83	285	61	92	17
21	44	160	152	92	271	1630	138	73	353	98	100	16
22	40	136	230	99	e262	1490	129	86	439	103	106	16
23	40	121	195	126	e306	894	119	203	276	143	98	40
24	47	111	202	161	e360	555	109	480	160	275	106	52
25	55	103	364	140	e400	412	113	391	110	317	76	40
26	60	96	794	108	e300	340	153	208	88	210	63	29
27	55	91	641	99	e273	295	202	136	82	132	55	25
28	50	88	347	94	285	264	172	128	74	102	62	23
29	48	84	257	89	---	241	124	110	77	108	58	20
30	46	80	215	93	---	227	107	84	102	111	53	17
31	40	---	193	117	---	209	---	70	---	101	44	---
TOTAL	1317.7	5455	5973	4587	6602	15780	6414	3498	8644	4231	3632	1150
MEAN	42.5	182	193	148	236	509	214	113	288	136	117	38.3
MAX	159	1170	794	405	704	1630	621	480	1100	317	257	151
MIN	8.4	27	73	89	97	209	107	44	53	61	44	16
CFSM	0.26	1.12	1.18	0.91	1.45	3.12	1.31	0.69	1.77	0.84	0.72	0.24
IN.	0.30	1.24	1.36	1.05	1.51	3.60	1.46	0.80	1.97	0.97	0.83	0.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2003, BY WATER YEAR (WY)

MEAN	47.4	86.3	169	274	340	400	194	81.5	88.9	94.0	57.7	36.5
MAX	320	282	1014	871	882	972	791	311	288	592	312	137
(WY)	1995	1998	1998	1987	1998	1998	1998	1991	2003	1994	1991	1998
MIN	6.47	17.7	30.5	39.7	56.5	96.1	55.9	17.8	7.02	4.17	1.81	6.91
(WY)	2001	2001	1988	1989	1989	1999	1986	2000	2000	1986	2002	1990

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1986 - 2003	
ANNUAL TOTAL	25127.28		67283.7			
ANNUAL MEAN	68.8		184		157	
HIGHEST ANNUAL MEAN					421	1998
LOWEST ANNUAL MEAN					40.1	2002
HIGHEST DAILY MEAN	1170	Nov 14	1630	Mar 21	8230	Mar 9 1998
LOWEST DAILY MEAN	0.75	Aug 13	8.4	Oct 6	0.75	Aug 13 2002
ANNUAL SEVEN-DAY MINIMUM	0.93	Aug 10	9.7	Oct 2	0.93	Aug 10 2002
MAXIMUM PEAK FLOW			1790	Mar 21	9240	Mar 9 1998
MAXIMUM PEAK STAGE			10.29	Mar 21	17.56	Mar 9 1998
INSTANTANEOUS LOW FLOW			8.0	Oct 6	0.58	Aug 14 2002
ANNUAL RUNOFF (CFSM)	0.42		1.13		0.96	
ANNUAL RUNOFF (INCHES)	5.73		15.36		13.09	
10 PERCENT EXCEEDS	157		402		372	
50 PERCENT EXCEEDS	40		113		59	
90 PERCENT EXCEEDS	3.2		35		11	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 235
LATITUDE 321422 LONGITUDE 0833006 NAD83 DRAINAGE AREA 163 CONTRIBUTING DRAINAGE AREA 163* DATUM 210.49 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.51	1.86	2.24	3.73	3.05	5.33	3.31	2.32	2.00	2.63	2.35	1.76
2	1.48	1.81	2.23	4.60	2.93	7.23	3.10	2.32	1.94	2.71	2.43	1.73
3	1.45	1.77	2.21	5.46	2.61	7.94	2.97	2.97	1.93	3.01	3.00	1.72
4	1.43	1.74	2.20	4.57	2.53	6.87	2.87	2.59	1.99	3.33	4.04	1.69
5	1.41	1.76	2.22	3.88	2.49	6.09	2.79	2.42	2.03	3.87	3.74	1.88
6	1.39	1.95	2.25	3.44	2.48	5.74	2.73	2.30	2.16	3.22	3.47	2.85
7	1.41	2.14	2.27	3.15	2.63	5.41	2.75	2.19	4.19	2.45	3.36	2.54
8	1.46	2.25	2.27	2.97	2.91	5.21	3.58	2.12	7.43	3.93	2.99	2.08
9	1.61	2.07	2.24	2.83	3.26	5.38	5.59	2.05	8.61	3.92	2.93	1.92
10	1.76	2.04	2.20	2.75	2.90	5.01	6.81	1.99	7.31	2.73	2.71	1.82
11	1.65	2.20	2.22	2.67	2.75	4.47	6.52	1.97	5.12	2.35	3.29	1.77
12	1.58	3.45	2.23	2.59	2.69	4.04	5.96	1.95	4.18	2.22	2.65	1.75
13	1.70	6.34	2.57	2.51	2.57	3.75	5.08	1.91	3.76	2.17	2.36	1.71
14	2.06	8.81	3.22	2.49	2.47	3.78	4.21	1.92	4.63	2.13	2.25	1.71
15	2.11	6.90	4.77	2.45	2.42	4.56	3.60	1.87	6.18	2.10	2.19	1.67
16	2.15	4.86	4.49	2.42	---	5.62	3.21	1.87	5.87	2.06	2.27	1.63
17	2.63	3.95	3.18	2.45	---	6.28	2.92	1.85	5.71	2.03	2.48	1.59
18	2.98	3.65	2.71	2.48	7.29	5.77	2.93	1.94	5.56	2.04	2.49	1.55
19	2.28	3.69	2.55	2.46	6.91	6.11	2.96	2.14	4.84	2.01	2.20	1.52
20	2.05	3.31	2.64	2.40	5.11	7.91	2.89	2.20	4.36	2.00	2.28	1.50
21	1.93	2.98	2.91	2.37	4.19	9.92	2.72	2.11	5.01	2.33	2.35	1.49
22	1.90	2.76	3.73	2.44	---	9.62	2.63	2.23	5.74	2.38	2.40	1.49
23	1.90	2.63	3.35	2.68	---	7.93	2.53	3.42	4.24	2.79	2.34	1.80
24	1.97	2.53	3.45	2.99	---	6.46	2.43	6.01	2.95	4.24	2.41	1.92
25	2.04	2.46	5.09	2.80	---	5.52	2.47	5.31	2.45	4.68	2.14	1.81
26	2.09	2.41	7.56	2.51	---	4.90	2.87	3.48	2.25	3.50	2.02	1.69
27	2.04	2.36	6.86	2.43	---	4.46	3.42	2.70	2.19	2.66	1.95	1.63
28	1.99	2.33	4.95	2.39	4.36	4.11	3.08	2.61	2.12	2.37	2.01	1.61
29	1.97	2.30	4.04	2.35	---	3.86	2.58	2.44	2.15	2.42	1.98	1.56
30	1.95	2.27	3.57	2.38	---	3.70	2.41	2.21	2.37	2.45	1.93	1.52
31	1.90	---	3.33	2.60	---	3.51	---	2.08	---	2.36	1.84	---
MEAN	1.86	3.05	3.28	2.91	---	5.69	3.46	2.50	4.04	2.74	2.54	1.76
MAX	2.98	8.81	7.56	5.46	---	9.92	6.81	6.01	8.61	4.68	4.04	2.85
MIN	1.39	1.74	2.20	2.35	---	3.51	2.41	1.85	1.93	2.00	1.84	1.49

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 235
LATITUDE 321422 LONGITUDE 0833006 NAD83 DRAINAGE AREA 163 CONTRIBUTING DRAINAGE AREA 163* DATUM 210.49 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	1.53	0.00	0.11	0.00	0.06	0.00	0.00
2	---	---	---	---	---	0.03	0.00	0.20	0.00	0.04	0.91	0.00
3	---	---	---	---	---	0.13	0.00	0.01	0.41	---	0.60	0.00
4	---	---	---	---	---	0.28	0.00	0.01	0.00	---	0.27	0.10
5	---	---	---	---	---	0.02	0.00	0.00	0.00	---	0.03	0.69
6	---	---	---	---	---	0.03	0.00	0.00	1.54	---	0.09	0.06
7	---	---	---	---	---	0.30	0.71	0.00	2.06	---	0.08	0.00
8	---	---	---	---	---	0.00	0.90	0.00	0.04	---	0.00	0.00
9	---	---	---	---	---	0.00	0.34	0.00	---	---	0.00	0.00
10	---	---	---	---	---	0.00	0.25	0.00	---	---	0.81	0.00
11	---	---	---	---	---	0.00	0.00	0.29	---	---	0.02	0.00
12	---	---	---	---	0.00	0.00	0.00	0.01	---	---	0.12	0.00
13	---	---	---	---	0.00	0.37	0.00	0.00	---	0.00	0.00	0.00
14	---	---	---	---	0.00	0.01	0.00	0.01	---	0.00	0.00	0.00
15	---	---	---	---	0.00	1.18	0.00	0.01	---	0.00	1.51	0.00
16	---	---	---	---	0.91	0.00	0.00	0.00	---	0.00	0.08	0.00
17	---	---	---	---	0.00	0.59	0.00	0.00	---	0.71	0.03	0.00
18	---	---	---	---	0.57	0.04	0.31	0.00	---	---	0.00	0.00
19	---	---	---	---	0.00	0.12	0.00	0.01	---	---	0.00	0.00
20	---	---	---	---	0.00	2.61	0.00	0.00	---	---	0.03	0.00
21	---	---	---	---	0.02	0.00	0.00	0.00	---	---	0.00	0.00
22	---	---	---	---	0.00	0.00	0.00	1.87	---	---	0.00	0.00
23	---	---	---	---	0.00	0.00	0.00	0.00	---	1.44	0.00	0.00
24	---	---	---	---	0.00	0.00	0.11	0.00	---	0.00	0.00	0.00
25	---	---	---	---	0.00	0.00	0.55	0.00	---	0.00	0.00	0.00
26	---	---	---	---	0.00	0.00	0.01	0.01	---	0.05	0.00	0.00
27	---	---	---	---	0.00	0.03	0.00	0.00	---	0.00	0.00	0.00
28	---	---	---	---	0.00	0.01	0.00	0.00	0.00	0.00	0.08	0.00
29	---	---	---	---	---	0.00	0.00	0.00	0.24	0.00	0.00	0.00
30	---	---	---	---	---	0.12	0.00	0.00	0.29	0.06	0.01	0.00
31	---	---	---	---	---	0.00	---	0.23	---	0.32	0.00	---
TOTAL	---	---	---	---	---	7.40	3.18	2.77	---	---	4.67	0.85

ALTAMAHA RIVER BASIN
2003 Water Year

02215245 FOLSOM CREEK TRIBUTARY NEAR ROCHELLE, GA

LOCATION.—Lat 32°00'20", long 83°26'07" referenced to North American Datum (NAD) of 1927, Wilcox County, Hydrologic Unit 03070104, at culvert on GA 233, 4.0 miles north of Rochelle.

DRAINAGE AREA.—1.44 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1964 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 260.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 7.16 feet, August 11, 1970
DISCHARGE: 434 cfs, August 11, 1970

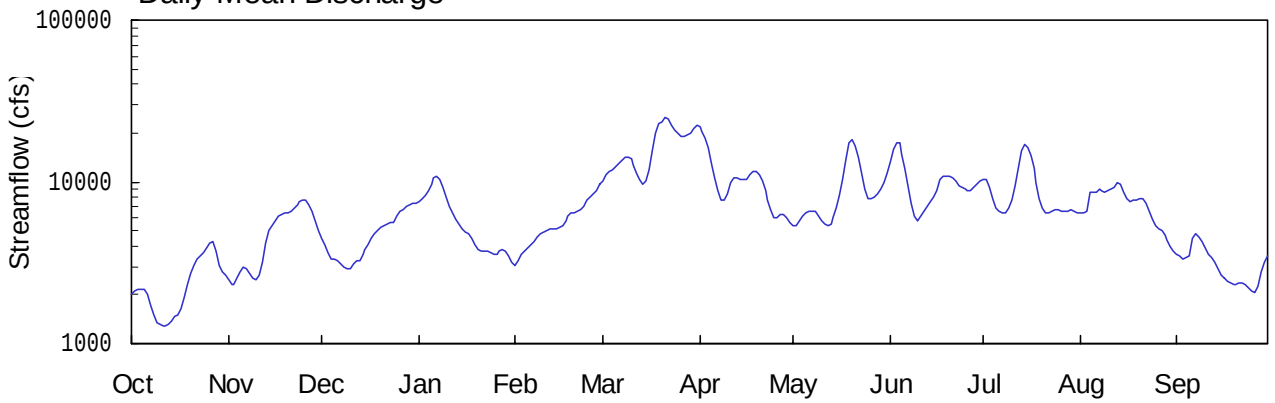
MAXIMUM FOR CURRENT YEAR.—
STAGE: 1.85 feet, December 25
DISCHARGE: 35.4 cfs, December 25

2003 Water Year

02215500 OCMULGEE RIVER AT LUMBER CITY, GA

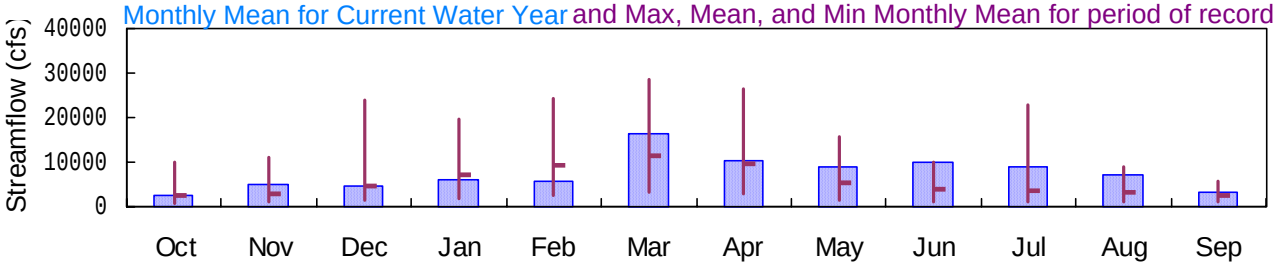
Latitude: 31°55'12" Longitude: 082°40'27" Hydrologic Unit Code: 03070104 Jeff davis County
Drainage Area: 518 mi² Datum: 87.4 feet

Daily Mean Discharge

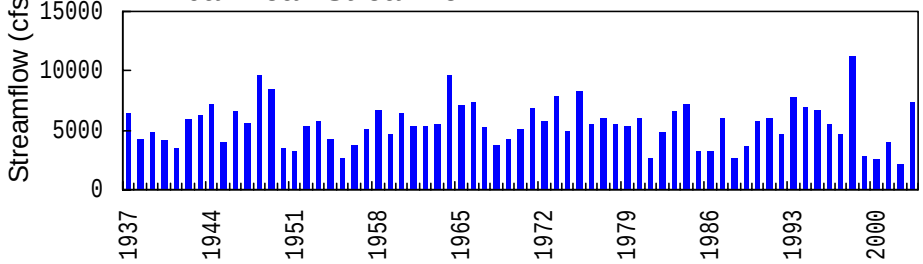


Monthly Statistics

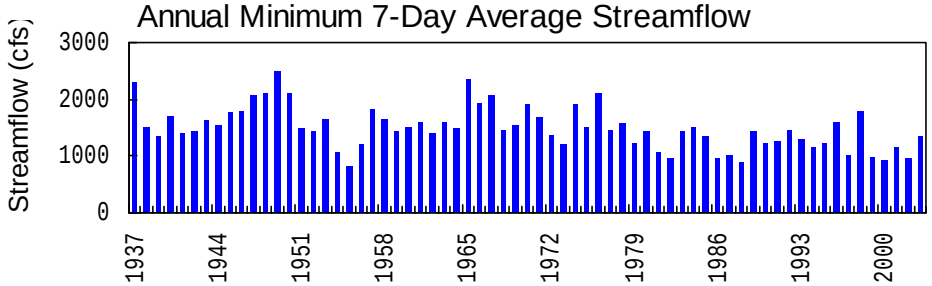
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record

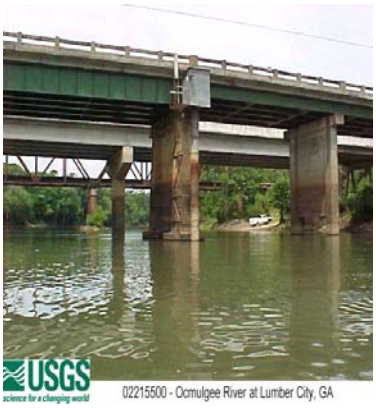


Annual Mean Streamflow

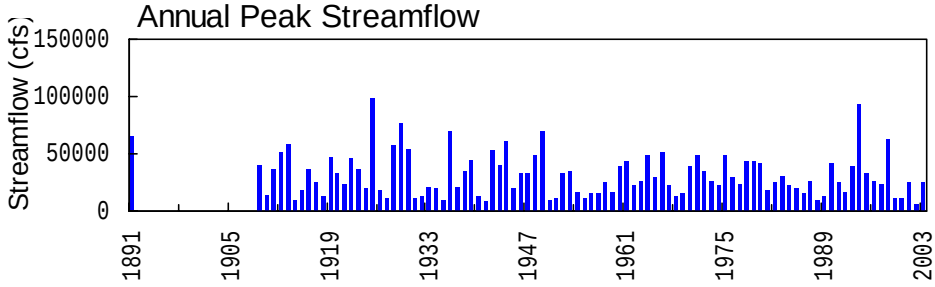


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



ALTAMAHA RIVER BASIN
2003 Water Year

02215500 OCMULGEE RIVER AT LUMBER CITY, GA

LOCATION.—Lat 31°55'12", long 82°40'27" (revised) referenced to North American Datum (NAD) of 1927, Jeff Davis County, Hydrologic Unit 03070104, near left bank on downstream end of pier of bridge on US 341 at Lumber City, 500.0 feet downstream from Southern Railway bridge, 1.0 mile upstream from Little Ocmulgee River, and 12.0 miles upstream from confluence with Oconee River.

DRAINAGE AREA.—5,180 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1936 to current year. Gage-height records collected at same site since 1908 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 1504: 1937.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 87.48 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to November 8, 1937, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum discharge known since at least 1841, 98,400 cfs, January 21, 1925, from rating extended above 86,000 cfs on basis of records of peak flow for stations on Ocmulgee, Oconee, and Altamaha Rivers; maximum stage known, 26.3 feet, January 21, 1925, which had backwater conditions from Oconee River.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 15,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/21	1345	25,500*	14.75*
05/20	0400	18,500	12.63
06/04	0000	18,000	12.49
07/14	1300	17,200	13.19

02215500 OCMULGEE RIVER AT LUMBER CITY, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1936 to current year. Gage-height records collected at same site since 1908 are contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 87.48 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to November 8, 1937, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.75 feet, March 21; minimum gage-height recorded, 0.04 feet, October 13.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 1, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02215500 OCMULGEE RIVER AT LUMBER CITY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 161
LATITUDE 315512 LONGITUDE 0824027 NAD27 DRAINAGE AREA 5180 CONTRIBUTING DRAINAGE AREA 5180* DATUM 87.48 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2020	2460	4500	7550	3020	10200	21900	5400	13200	10400	6460	3570
2	2110	2330	4110	7860	3230	11000	20500	5400	15800	10200	6450	3470
3	2150	2330	3640	8310	3530	11600	18700	5750	17600	9220	6580	3350
4	2170	2540	3330	8930	3750	11800	16100	6120	17200	7840	8560	3380
5	2160	2770	3310	9730	3930	12400	13100	6390	15000	6950	8550	3480
6	2020	2940	3230	10500	4080	12800	10600	6550	12100	6590	8560	4430
7	1740	2930	3110	10700	4320	13500	8780	6600	9420	6430	9120	4820
8	1490	2690	2990	10300	4620	14300	7770	6510	7410	6390	8840	4600
9	1350	2510	2930	9210	4770	14400	7660	6200	6100	6830	8680	4280
10	1300	2470	2930	8060	4870	13800	8470	5760	5740	7790	8790	3910
11	1290	2630	3140	7100	5040	12700	9820	5450	6080	9420	9020	3570
12	1270	3150	3270	6370	5120	11400	10700	5400	6560	12200	9270	3370
13	1310	4150	3290	5830	5140	10300	10700	5540	7110	15500	9880	3160
14	1390	4970	3590	5430	5150	9670	10400	5970	7610	17000	9570	2890
15	1480	5350	3830	5130	5200	10100	10300	6850	8120	16400	8630	2630
16	1510	5710	4100	4920	5310	11800	10400	8210	8830	14500	7930	2520
17	1650	6140	4440	4730	5710	15500	11000	10300	10400	12200	7610	2450
18	1950	6330	4800	4440	6170	20000	11500	13500	10700	9790	7630	2370
19	2300	6430	5020	4060	6410	22700	11700	17400	10800	7860	7710	2300
20	2690	6490	5190	3840	6470	23400	11200	18300	10800	6870	7810	2320
21	3040	6590	5360	3740	6590	25200	10200	16800	10600	6450	7870	2350
22	3300	6850	5490	3730	6740	24300	8870	14100	10000	6400	7350	2370
23	3470	7190	5550	3730	7080	22500	7690	11400	9420	6520	6550	2310
24	3670	7560	5660	3630	7670	21000	6680	9070	9150	6710	5840	2210
25	3910	7770	6190	3550	8070	19800	6040	7960	8980	6720	5410	2120
26	4170	7680	6570	3590	8360	19200	6070	7810	8840	6600	5150	2050
27	4260	7240	6790	3700	8920	19200	6300	7990	8860	6500	4970	2270
28	3750	6540	6960	3790	9690	19500	6280	8360	9140	6580	4730	2770
29	3050	5710	7220	3760	---	20200	6020	9030	9670	6680	4330	3170
30	2780	5000	7340	3510	---	21400	5630	9990	10200	6580	3970	3450
31	2630	---	7380	3150	---	22200	---	11300	---	6480	3720	---
TOTAL	73380	145450	145260	182880	158960	507870	311080	271410	301440	272600	225540	91940
MEAN	2367	4848	4686	5899	5677	16380	10370	8755	10050	8794	7275	3065
MAX	4260	7770	7380	10700	9690	25200	21900	18300	17600	17000	9880	4820
MIN	1270	2330	2930	3150	3020	9670	5630	5400	5740	6390	3720	2050
CFSM	0.46	0.94	0.90	1.14	1.10	3.16	2.00	1.69	1.94	1.70	1.40	0.59
IN.	0.53	1.04	1.04	1.31	1.14	3.65	2.23	1.95	2.16	1.96	1.62	0.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2003, BY WATER YEAR (WY)

MEAN	2623	2773	4734	7167	9295	11410	9486	5438	3760	3649	3214	2464
MAX	9848	11140	24070	19600	24250	28650	26590	15710	10050	22950	9067	5696
(WY)	1995	1948	1949	1998	1998	1998	1944	1964	2003	1994	1994	1949
MIN	887	910	1423	1849	2341	3219	2824	1515	1210	979	976	1078
(WY)	1955	1955	1955	1981	1989	1955	1999	1986	2000	1988	1988	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1937 - 2003	
ANNUAL TOTAL	1029806		2687810			
ANNUAL MEAN	2821		7364		5482	
HIGHEST ANNUAL MEAN					11250	1998
LOWEST ANNUAL MEAN					2142	2002
HIGHEST DAILY MEAN	7770	Nov 25	25200	Mar 21	90700	Jul 15 1994
LOWEST DAILY MEAN	924	Aug 17	1270	Oct 12	808	Oct 30 1954
ANNUAL SEVEN-DAY MINIMUM	942	Aug 12	1340	Oct 9	813	Oct 28 1954
MAXIMUM PEAK FLOW			25500	Mar 21	92900	Jul 15 1994
MAXIMUM PEAK STAGE			14.75	Mar 21	24.59	Jul 15 1994
INSTANTANEOUS LOW FLOW			1260	Oct 13	800	Oct 30 1954
ANNUAL RUNOFF (CFSM)	0.54		1.42		1.06	
ANNUAL RUNOFF (INCHES)	7.40		19.30		14.38	
10 PERCENT EXCEEDS	5280		13300		11600	
50 PERCENT EXCEEDS	2420		6490		3570	
90 PERCENT EXCEEDS	1170		2530		1630	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02215500 OCMULGEE RIVER AT LUMBER CITY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 161
LATITUDE 315512 LONGITUDE 0824027 NAD27 DRAINAGE AREA 5180 CONTRIBUTING DRAINAGE AREA 5180* DATUM 87.48 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.23	1.94	4.86	8.54	3.44	10.46	13.77	6.24	11.06	10.56	7.59	4.16
2	1.38	1.74	4.34	8.83	3.72	10.85	13.36	6.25	11.88	10.47	7.57	4.03
3	1.45	1.74	3.68	9.21	4.11	11.15	12.75	6.61	12.38	9.90	7.70	3.88
4	1.48	2.06	3.24	9.70	4.40	11.25	11.97	6.97	12.36	8.90	9.45	3.91
5	1.46	2.41	3.21	10.20	4.62	11.48	11.03	7.23	11.84	8.09	9.47	4.06
6	1.24	2.67	3.10	10.58	4.81	11.68	10.01	7.39	10.93	7.72	9.48	5.25
7	0.80	2.65	2.92	10.72	5.10	11.95	9.11	7.43	9.73	7.55	9.85	5.72
8	0.41	2.30	2.74	10.50	5.47	12.24	8.43	7.34	8.40	7.51	9.66	5.45
9	0.18	2.01	2.65	9.89	5.66	12.27	8.34	7.05	7.16	7.97	9.56	5.07
10	0.09	1.95	2.65	9.01	5.77	12.07	8.91	6.61	6.79	8.86	9.63	4.60
11	0.09	2.20	2.97	8.10	5.97	11.63	9.67	6.30	7.17	10.00	9.79	4.16
12	0.06	2.98	3.15	7.29	6.08	11.05	10.07	6.25	7.69	11.39	9.94	3.90
13	0.12	4.38	3.18	6.66	6.10	10.49	10.06	6.39	8.25	12.65	10.28	3.63
14	0.25	5.48	3.61	6.19	6.11	10.16	9.94	6.83	8.72	13.13	10.11	3.27
15	0.39	5.97	3.95	5.83	6.16	10.30	9.87	7.66	9.14	12.94	9.51	2.91
16	0.45	6.44	4.32	5.57	6.29	11.03	9.95	8.73	9.65	12.31	8.98	2.75
17	0.67	6.96	4.79	5.36	6.76	12.26	10.19	9.88	10.54	11.38	8.71	2.65
18	1.13	7.19	5.26	5.00	7.27	13.58	10.42	11.16	10.71	10.21	8.73	2.53
19	1.68	7.31	5.55	4.53	7.53	14.21	10.48	12.33	10.74	8.92	8.80	2.44
20	2.29	7.38	5.76	4.26	7.59	14.30	10.28	12.57	10.77	8.01	8.89	2.46
21	2.82	7.49	5.99	4.16	7.72	14.67	9.82	12.17	10.64	7.58	8.94	2.51
22	3.20	7.79	6.16	4.16	7.88	14.42	9.16	11.37	10.36	7.52	8.48	2.54
23	3.44	8.17	6.24	4.18	8.23	13.94	8.36	10.34	10.04	7.64	7.68	2.45
24	3.72	8.54	6.38	4.08	8.77	13.50	7.50	9.26	9.87	7.85	6.91	2.32
25	4.06	8.74	7.02	3.99	9.10	13.13	6.89	8.57	9.76	7.85	6.42	2.18
26	4.42	8.65	7.47	4.06	9.33	12.92	6.92	8.46	9.67	7.73	6.10	2.08
27	4.54	8.22	7.72	4.23	9.72	12.92	7.15	8.59	9.68	7.62	5.89	2.39
28	3.83	7.43	7.91	4.37	10.18	13.01	7.12	8.84	9.87	7.71	5.60	3.10
29	2.83	6.43	8.20	4.36	---	13.26	6.88	9.26	10.17	7.81	5.12	3.65
30	2.42	5.52	8.33	4.05	---	13.63	6.48	9.75	10.45	7.71	4.67	4.01
31	2.20	---	8.37	3.59	---	13.85	---	10.32	---	7.60	4.36	---
MEAN	1.75	5.16	5.02	6.49	6.57	12.38	9.50	8.52	9.88	9.13	8.19	3.47
MAX	4.54	8.74	8.37	10.72	10.18	14.67	13.77	12.57	12.38	13.13	10.28	5.72
MIN	0.06	1.74	2.65	3.59	3.44	10.16	6.48	6.24	6.79	7.51	4.36	2.08

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02215500 OCMULGEE RIVER AT LUMBER CITY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 161
LATITUDE 315512 LONGITUDE 0824027 NAD27 DRAINAGE AREA 5180 CONTRIBUTING DRAINAGE AREA 5180* DATUM 87.48 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.08	0.00	0.82	0.00	0.07	0.00	0.35	0.35	0.04
2	0.00	0.00	0.00	0.01	0.00	0.27	0.00	0.29	0.00	1.09	0.04	0.17
3	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.13	0.33	1.04	3.19	2.17
4	0.00	---	0.00	0.00	0.05	0.31	0.00	0.00	0.04	1.23	0.86	0.00
5	0.00	---	0.07	0.00	0.00	0.01	0.00	0.00	0.00	0.06	0.01	0.68
6	0.00	---	0.00	0.00	0.67	0.35	0.00	0.00	0.89	0.09	1.18	0.27
7	0.00	---	0.00	0.00	0.03	0.64	1.28	0.00	1.25	0.00	0.06	0.05
8	0.00	0.01	0.00	0.00	0.00	0.00	1.10	0.00	0.01	0.00	1.25	0.01
9	0.00	0.00	0.02	0.00	0.03	0.03	1.10	0.00	0.00	0.00	0.01	0.01
10	0.00	0.04	0.20	0.00	0.45	0.01	0.22	0.00	0.00	0.00	0.64	0.00
11	0.00	0.47	0.04	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.01	0.00
12	0.00	1.07	0.01	0.00	0.00	0.00	0.00	0.02	0.17	0.00	0.77	0.00
13	1.35	0.00	0.84	0.00	0.00	0.21	0.00	0.01	0.56	0.00	0.00	0.00
14	0.00	0.01	0.00	0.00	0.00	0.34	0.00	0.00	0.58	0.08	0.21	0.00
15	---	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.21	1.02
16	---	1.00	0.00	0.08	0.76	0.00	0.00	0.01	3.12	0.55	0.12	0.00
17	0.00	0.12	0.00	0.01	0.15	1.20	0.00	0.00	0.39	1.96	0.01	0.00
18	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.01	0.09	0.00	0.10	0.00
19	0.00	0.00	0.02	0.00	0.00	0.30	0.00	1.30	0.00	0.08	0.00	0.00
20	0.00	0.00	0.68	0.00	0.00	2.43	0.00	0.00	0.07	0.00	0.04	0.00
21	0.11	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.01	0.00	0.00
22	0.00	0.00	0.00	0.29	0.64	0.00	0.00	0.61	0.00	0.03	0.73	0.09
23	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.00	0.44
24	---	0.41	1.31	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00
25	---	0.00	0.01	0.00	0.00	0.00	0.78	0.00	0.00	0.24	0.11	0.02
26	0.00	0.00	0.00	0.00	0.14	0.02	0.01	0.00	0.00	0.00	0.00	0.00
27	0.01	0.00	0.00	0.00	0.78	0.00	0.00	0.00	0.00	0.05	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	---	0.00	0.00	0.00	---	0.00	0.00	0.00	0.01	0.10	0.47	0.00
30	---	0.00	0.00	0.04	---	0.18	0.00	0.00	0.04	0.55	0.00	0.00
31	0.00	---	0.76	0.00	---	0.00	---	0.00	---	0.76	0.00	---
TOTAL	---	---	3.96	0.51	3.70	7.50	4.49	2.47	7.55	9.41	10.37	4.97

ALTAMAHA RIVER BASIN
2003 Water Year

02215800 GUM SWAMP CREEK AT GA 165, NEAR CHAUNCEY, GA

LOCATION.—Lat 32°07'28", long 83°03'37" referenced to North American Datum (NAD) of 1927, Dodge County, Hydrologic Unit 03070105, at bridge on GA 165, 0.6 miles north of Chauncey.

DRAINAGE AREA.—221 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1984 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 180.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 9.91 feet, March 6, 1991
DISCHARGE: 4,940 cfs, March 6, 1991

MAXIMUM FOR CURRENT YEAR.—
STAGE: 8.36 feet, March 20
DISCHARGE: 3,030 cfs, March 20

ALTAMAHA RIVER BASIN
2003 Water Year

02215900 LITTLE OCMULGEE RIVER AT GA 149, AT SCOTLAND, GA

LOCATION.—Lat 32°03'08", long 82°48'57", Telfair County, Hydrologic Unit 03070105, approximately 18.0 miles upstream of confluence of Little Ocmulgee River and Ocmulgee River, on GA 149.

DRAINAGE AREA.—316 square miles.

COOPERATION.—City of Helena.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—February 1984 to current year.

GAGE.—Standard USGS reference point. Datum of gage is 140.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 7, effective October 1, 2001 to March 21, 2003. Rating Number 8, effective March 31, 2003 to current year.

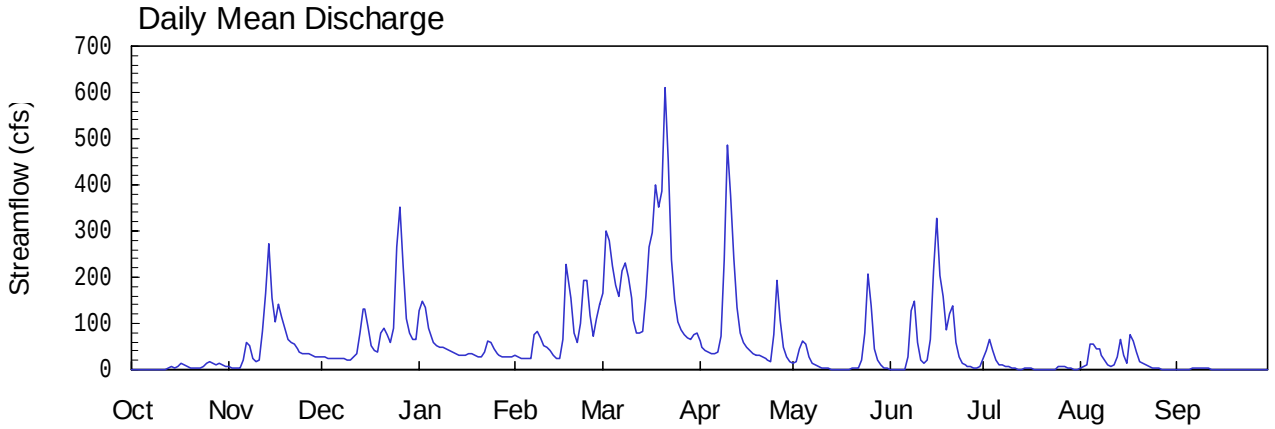
REMARKS.—Records fair. Measurements for current water year are as follows:

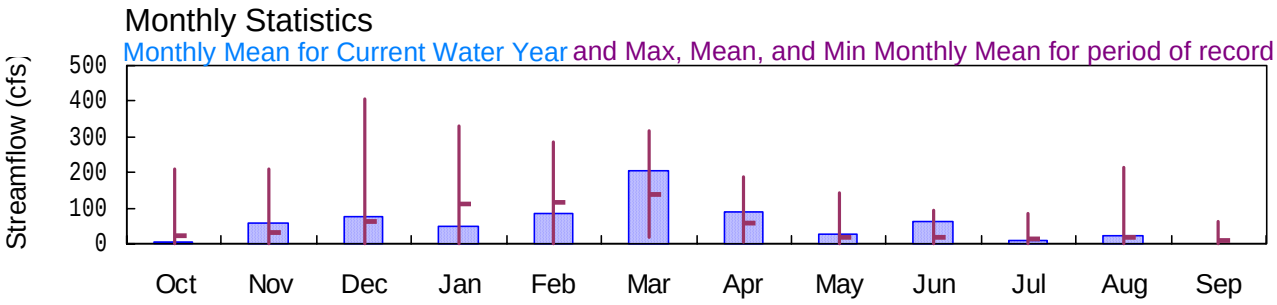
DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/29/02	2.56	26.3
10/31/02	2.25	20.7
05/20/03	3.13	78.3
09/25/03	1.71	11.2

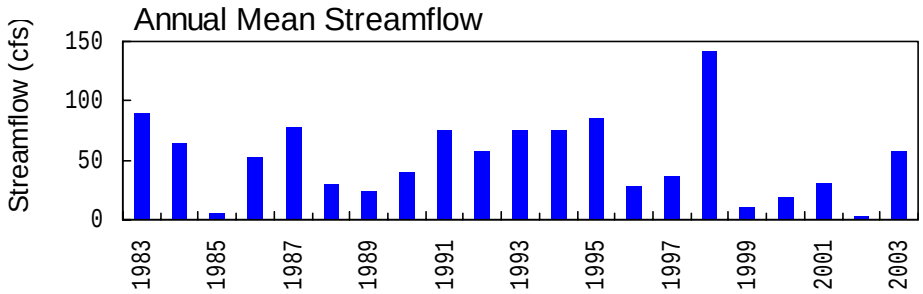
2003 Water Year

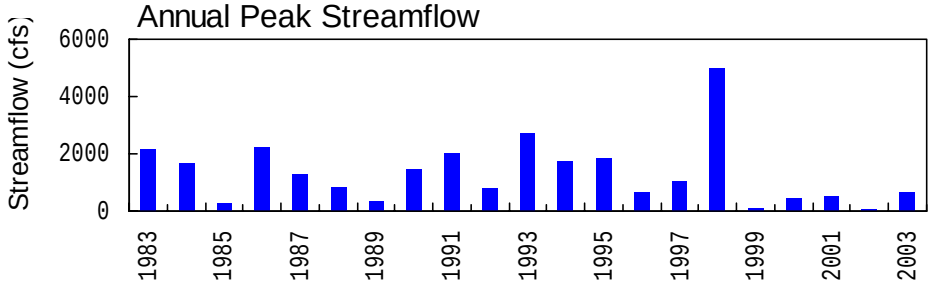
02216180 TURNPIKE CREEK NEAR MCRAE, GA

Latitude: 31°59'29" Longitude: 082°55'19" Hydrologic Unit Code: 03070105 Telfair County
Drainage Area: 49.2 mi^2 Datum: 173.1 feet









ALTAMAHA RIVER BASIN
2003 Water Year

02216180 TURNPIKE CREEK NEAR MCRAE, GA

LOCATION.—Lat 31°59'29", long 82°55'19" referenced to North American Datum (NAD) of 1983, Telfair County, Hydrologic Unit 03070105, on downstream side of bridge pier on US 319 and 441, 4.8 miles south of McRae and 13.8 miles upstream from mouth.

DRAINAGE AREA.—49.2 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 1983 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 173.17 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation).

REMARKS.—Records fair, except for periods of estimated discharge, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 600 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/21	0700	649*	8.03*

No other peaks above base discharge

WATER-STAGE RECORDS

PERIOD OF RECORD.—January 1983 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 173.17 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 8.03 feet, March 21; minimum gage-height recorded, 1.62 feet, September 30.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02216180 TURNPIKE CREEK NEAR MCRAE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 271
LATITUDE 315929 LONGITUDE 0825519 NAD83 DRAINAGE AREA 49.2 CONTRIBUTING DRAINAGE AREA 49.2* DATUM 173.17 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.52	5.7	26	129	30	166	61	13	e1.0	26	2.1	0.03
2	0.11	4.4	26	149	27	300	49	17	e0.50	41	7.8	0.04
3	0.02	3.5	25	136	25	280	42	46	e0.40	64	10	0.03
4	0.00	2.9	23	90	24	224	39	61	e0.30	43	55	0.01
5	0.00	2.9	23	68	25	183	36	54	e0.30	19	56	0.00
6	0.00	20	24	59	25	160	34	27	e0.50	12	43	2.4
7	0.00	58	25	53	76	215	38	15	29	11	44	3.5
8	0.00	51	24	49	84	231	74	9.3	126	8.2	31	4.6
9	0.00	24	21	47	69	199	238	6.4	148	5.8	21	4.0
10	0.00	16	21	45	52	157	487	4.4	58	3.6	10	2.7
11	0.00	19	29	41	48	105	375	3.5	22	2.3	7.7	1.7
12	0.00	81	33	37	41	81	242	2.3	14	1.6	9.2	0.97
13	4.7	166	79	34	32	78	136	1.4	21	0.84	29	0.32
14	6.5	273	130	32	26	84	80	0.70	66	2.8	65	0.06
15	3.5	156	130	31	23	159	59	0.86	215	3.4	33	0.01
16	6.2	102	92	31	66	266	48	0.77	326	2.0	15	0.00
17	13	141	51	34	229	296	40	0.50	204	1.7	74	0.00
18	9.2	115	40	35	203	400	34	0.28	158	1.5	63	0.00
19	5.6	90	38	32	154	351	32	1.4	87	0.62	37	0.00
20	4.3	66	81	29	80	387	30	e3.2	119	0.24	18	0.00
21	3.4	58	90	29	59	610	28	e3.2	139	0.07	13	0.00
22	2.9	55	74	39	100	450	25	e4.4	57	0.02	9.0	0.00
23	2.5	46	57	62	194	238	20	e22	26	0.05	6.4	0.00
24	5.4	39	91	59	192	153	16	e79	15	1.5	4.3	0.00
25	13	36	265	44	118	104	74	e208	10	5.6	2.9	0.00
26	18	35	353	36	71	85	194	e139	7.4	6.0	2.1	0.00
27	14	33	223	31	111	75	106	e46	5.2	6.3	1.3	0.00
28	11	30	111	28	142	70	47	e21	3.9	3.5	0.92	0.00
29	15	29	78	27	---	65	27	e10	3.2	1.9	0.39	0.00
30	10	27	67	27	---	74	18	e3.0	6.6	1.2	0.22	0.00
31	7.6	---	65	29	---	79	---	e2.0	---	0.78	0.07	---
TOTAL	156.45	1785.4	2415	1572	2326	6325	2729	805.61	1869.30	277.52	671.40	20.37
MEAN	5.05	59.5	77.9	50.7	83.1	204	91.0	26.0	62.3	8.95	21.7	0.68
MAX	18	273	353	149	229	610	487	208	326	64	74	4.6
MIN	0.00	2.9	21	27	23	65	16	0.28	0.30	0.02	0.07	0.00
CFSM	0.10	1.21	1.58	1.03	1.69	4.15	1.85	0.53	1.27	0.18	0.44	0.01
IN.	0.12	1.35	1.83	1.19	1.76	4.78	2.06	0.61	1.41	0.21	0.51	0.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2003, BY WATER YEAR (WY)

MEAN	21.0	31.5	60.8	112	115	140	56.7	19.0	17.3	13.7	16.5	6.90
MAX	212	212	406	329	285	315	188	141	92.3	84.1	215	60.5
(WY)	1995	1998	1998	1987	1998	1998	1998	1984	1995	1994	1994	1994
MIN	0.000	0.000	0.000	0.000	0.11	16.1	3.88	0.000	0.000	0.000	0.000	0.000
(WY)	1984	1985	1985	1985	2002	1985	1999	1986	1985	1986	1986	1984

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1983 - 2003	
ANNUAL TOTAL	5465.26		20953.05			
ANNUAL MEAN	15.0		57.4		49.4	
HIGHEST ANNUAL MEAN					142	1998
LOWEST ANNUAL MEAN					3.04	2002
HIGHEST DAILY MEAN	353	Dec 26	610	Mar 21	3040	Mar 9 1998
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 4	0.00	Jun 2
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 4	0.00	Jul 17
MAXIMUM PEAK FLOW			649	Mar 21	4980	Mar 9 1998
MAXIMUM PEAK STAGE			8.03	Mar 21	11.82	Mar 9 1998
ANNUAL RUNOFF (CFSM)	0.30		1.17		1.00	
ANNUAL RUNOFF (INCHES)	4.13		15.84		13.63	
10 PERCENT EXCEEDS	42		158		136	
50 PERCENT EXCEEDS	0.00		27		4.9	
90 PERCENT EXCEEDS	0.00		0.09		0.00	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02216180 TURNPIKE CREEK NEAR MCRAE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 271
LATITUDE 315929 LONGITUDE 0825519 NAD83 DRAINAGE AREA 49.2 CONTRIBUTING DRAINAGE AREA 49.2* DATUM 173.17 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

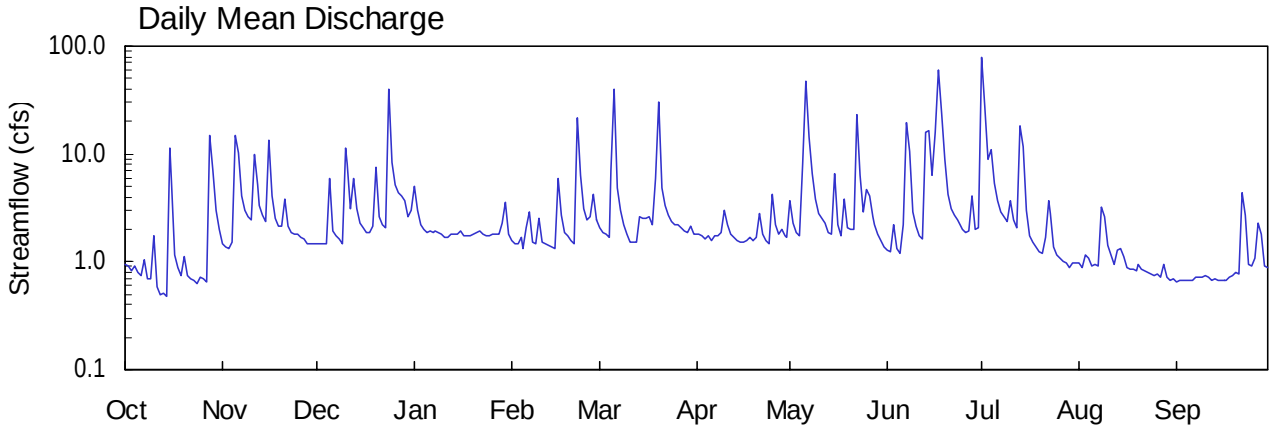
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.15	2.70	3.69	5.85	3.83	6.24	4.86	3.22	---	3.77	2.32	2.01
2	2.06	2.61	3.70	6.05	3.73	7.09	4.53	3.42	---	4.32	2.88	2.02
3	2.00	2.53	3.66	5.93	3.65	7.02	4.35	4.43	---	4.93	3.01	2.01
4	1.94	2.48	3.57	5.40	3.61	6.70	4.25	4.86	---	4.34	4.39	1.98
5	1.86	2.47	3.55	4.97	3.63	6.41	4.15	4.66	---	3.53	4.71	1.95
6	1.81	3.34	3.62	4.73	3.64	6.23	4.10	3.84	---	3.15	4.37	2.41
7	1.78	4.70	3.65	4.57	5.13	6.62	4.20	3.31	3.68	3.08	4.38	2.55
8	1.76	4.50	3.62	4.45	5.32	6.75	5.06	2.98	5.80	2.91	3.98	2.65
9	1.74	3.59	3.50	4.40	4.98	6.53	6.66	2.76	6.03	2.72	3.58	2.60
10	1.72	3.27	3.47	4.34	4.53	6.19	7.62	2.59	4.74	2.50	3.06	2.46
11	1.70	3.39	3.79	4.22	4.44	5.67	7.26	2.49	3.63	2.37	2.87	2.33
12	1.68	5.08	3.95	4.09	4.22	5.29	6.65	2.37	3.25	2.27	2.98	2.21
13	2.40	6.17	5.08	3.97	3.90	5.23	5.92	2.25	3.59	2.18	3.89	2.11
14	2.74	6.82	5.86	3.92	3.68	5.35	5.27	2.16	4.89	2.40	4.93	2.04
15	2.53	6.07	5.87	3.89	3.56	6.14	4.80	2.18	6.45	2.48	4.01	1.99
16	2.73	5.56	5.38	3.87	4.65	6.95	4.50	2.17	7.06	2.33	3.31	1.90
17	3.12	5.98	4.51	3.99	6.58	7.07	4.28	2.14	6.44	2.29	5.15	1.84
18	2.92	5.72	4.20	4.01	6.45	7.37	4.11	2.10	6.08	2.26	4.91	1.80
19	2.70	5.41	4.11	3.91	6.10	7.24	4.03	2.25	5.39	2.15	4.16	1.79
20	2.60	4.93	5.18	3.80	5.24	7.33	3.95	---	5.73	2.09	3.48	1.77
21	2.52	4.72	5.40	3.79	4.79	7.94	3.89	---	5.95	2.04	3.25	1.75
22	2.47	4.62	5.12	4.14	5.41	7.52	3.78	---	4.73	1.98	2.98	1.75
23	2.43	4.37	4.68	4.80	6.49	6.78	3.56	---	3.82	1.97	2.78	1.79
24	2.67	4.16	5.16	4.73	6.48	6.16	3.36	---	3.33	2.25	2.60	1.78
25	3.13	4.05	6.77	4.32	5.79	5.66	4.62	---	3.07	2.70	2.45	1.76
26	3.33	4.02	7.19	4.05	5.08	5.37	6.37	---	2.84	2.74	2.36	1.74
27	3.18	3.95	6.53	3.88	5.67	5.17	5.59	---	2.67	2.76	2.26	1.72
28	3.02	3.84	5.66	3.76	6.06	5.06	4.46	---	2.53	2.49	2.19	1.70
29	3.22	3.79	5.19	3.72	---	4.94	3.83	---	2.46	2.31	2.13	1.67
30	2.99	3.74	4.94	3.71	---	5.15	3.46	---	2.77	2.22	2.10	1.64
31	2.83	---	4.88	3.80	---	5.26	---	---	---	2.17	2.04	---
MEAN	2.44	4.29	4.69	4.36	4.88	6.27	4.78	---	---	2.70	3.34	1.99
MAX	3.33	6.82	7.19	6.05	6.58	7.94	7.62	---	---	4.93	5.15	2.65
MIN	1.68	2.47	3.47	3.71	3.56	4.94	3.36	---	---	1.97	2.04	1.64

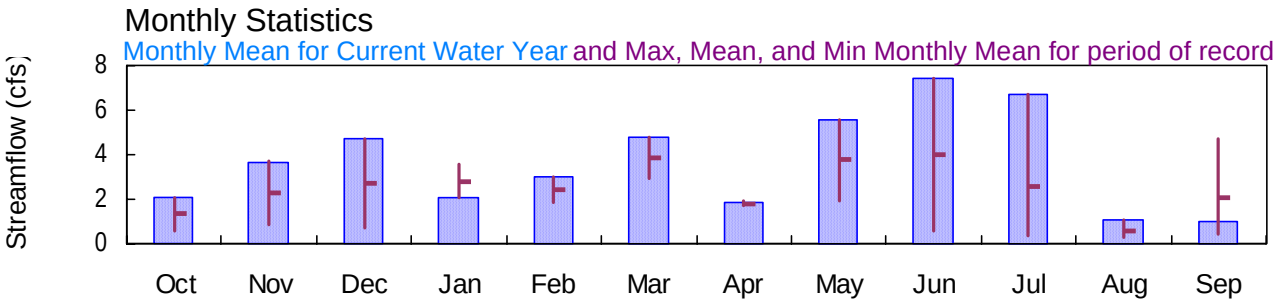
2003 Water Year

02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA

Latitude: 34°04'56" Longitude: 083°51'17" Hydrologic Unit Code: 03070101 GwinnettCounty

Drainage Area: 1.31 mi^2 Datum: 885.0 feet





ALTAMAHA RIVER BASIN
2003 Water Year

02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA

LOCATION.—Lat 34°04'56", long 83°51'17" referenced to North American Datum (NAD) of 1927, Jackson-Barrow County line, Hydrologic Unit 03070101, at concrete box culvert on Bill Cheek Road.

DRAINAGE AREA.—1.31 square miles (revised).

COOPERATION.—Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 29, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and continuous water-quality monitor. Datum of gage is 885.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair, except for periods of estimated discharges, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 29, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and continuous water-quality monitor. Datum of gage is 885.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.20 feet, June 17; minimum gage-height recorded, 1.22 feet, October 12-14.

PRECIPITATION RECORDS

PERIOD OF RECORD.—June 29, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31* CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.93	1.5	1.5	e5.0	1.6	2.0	1.8	3.7	1.3	80	0.96	0.65
2	0.92	1.4	1.5	e3.0	1.5	1.9	1.8	2.3	1.2	e27	0.89	0.67
3	0.84	1.3	1.5	2.2	1.5	1.8	1.8	1.9	2.2	e8.9	1.2	0.67
4	0.90	1.5	1.5	2.0	1.7	1.7	1.6	1.8	1.3	e11	1.1	0.67
5	0.80	15	6.0	1.9	1.3	7.0	1.7	8.1	1.2	5.3	0.90	0.66
6	0.74	10	1.9	1.9	2.1	40	1.6	48	2.2	3.7	0.94	0.68
7	1.0	4.0	1.7	1.9	2.9	4.8	1.8	15	19	2.9	0.90	0.73
8	0.70	3.0	1.6	1.9	1.5	3.0	1.7	6.5	11	2.6	3.3	0.73
9	0.70	2.7	1.5	1.9	1.5	2.2	1.9	3.8	2.9	2.3	2.6	0.72
10	1.8	2.5	11	1.8	2.5	1.8	3.0	2.8	2.1	3.6	1.4	0.75
11	0.59	9.8	8.1	1.7	1.5	1.5	2.2	2.5	1.8	2.5	1.2	0.72
12	0.49	5.2	3.1	1.7	1.5	1.5	1.8	2.3	1.7	2.1	0.94	0.68
13	0.52	3.4	5.8	1.8	1.4	e1.5	1.7	1.9	16	18	1.3	0.70
14	0.49	2.8	3.1	1.8	1.4	e2.6	1.6	1.8	17	12	e1.3	0.66
15	11	2.4	2.3	1.8	1.3	e2.5	1.5	6.6	6.4	3.0	e1.1	0.66
16	5.6	14	2.1	1.9	5.9	e2.5	1.5	2.2	16	1.7	0.87	0.67
17	1.2	4.0	1.9	1.8	2.7	e2.6	1.6	1.7	59	1.5	0.86	0.68
18	0.87	2.6	1.8	1.7	1.9	2.2	1.7	3.8	24	1.4	0.84	0.71
19	0.75	2.2	2.2	1.7	1.7	5.9	1.6	2.1	8.9	1.2	0.83	0.74
20	1.1	2.1	7.5	1.8	1.6	31	1.7	2.0	4.2	1.2	0.93	0.79
21	0.76	3.9	2.6	1.8	1.5	4.9	2.8	2.0	3.2	1.7	0.87	0.78
22	0.70	2.2	2.2	1.9	22	3.3	1.8	23	2.7	3.7	0.81	4.4
23	0.66	1.9	2.1	1.8	6.3	2.8	1.6	6.3	2.4	2.8	0.79	2.7
24	0.63	1.8	40	1.8	3.1	2.4	1.5	2.9	2.2	1.4	0.77	0.96
25	0.71	1.8	8.4	1.8	2.5	2.2	4.2	4.6	2.0	1.2	e0.74	e0.90
26	0.70	1.7	5.2	1.8	2.7	2.2	2.2	4.0	1.9	1.1	e0.78	e1.1
27	0.66	1.6	4.4	1.8	4.2	2.1	1.8	e2.6	2.0	1.0	0.72	2.3
28	15	1.5	4.0	1.8	2.5	1.9	2.0	e2.2	4.1	0.97	0.93	1.8
29	e7.0	1.5	3.7	2.3	---	1.9	1.7	1.8	2.0	0.90	0.72	0.90
30	e3.0	1.5	e2.6	3.6	---	2.1	1.7	1.6	2.0	0.98	0.68	0.88
31	e2.0	---	e3.0	1.8	---	1.8	---	1.4	---	0.96	0.69	---
TOTAL	63.76	110.8	145.8	63.4	83.8	147.6	56.9	173.2	223.9	208.61	32.86	30.66
MEAN	2.06	3.69	4.70	2.05	2.99	4.76	1.90	5.59	7.46	6.73	1.06	1.02
MAX	15	15	40	5.0	22	40	4.2	48	59	80	3.3	4.4
MIN	0.49	1.3	1.5	1.7	1.3	1.5	1.5	1.4	1.2	0.90	0.68	0.65
CFSM	1.57	2.82	3.59	1.56	2.28	3.63	1.45	4.26	5.70	5.14	0.81	0.78
IN.	1.81	3.15	4.14	1.80	2.38	4.19	1.62	4.92	6.36	5.92	0.93	0.87

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	1.33	2.28	2.71	2.81	2.42	3.86	1.81	3.76	4.00	2.57	0.57	2.05
MAX	2.06	3.69	4.70	3.57	2.99	4.76	1.90	5.59	7.46	6.73	1.06	4.68
(WY)	2003	2003	2003	2002	2003	2003	2003	2003	2003	2003	2003	2002
MIN	0.60	0.86	0.71	2.05	1.85	2.95	1.73	1.94	0.54	0.34	0.28	0.45
(WY)	2002	2002	2002	2003	2002	2002	2002	2002	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	861.96		1341.29			
ANNUAL MEAN	2.36		3.67		2.67	
HIGHEST ANNUAL MEAN					3.67	2003
LOWEST ANNUAL MEAN					1.67	2002
HIGHEST DAILY MEAN	70	Sep 21	80	Jul 1	80	Jul 1 2003
LOWEST DAILY MEAN	0.16	Sep 12	0.49	Oct 12	0.16	Sep 12 2002
ANNUAL SEVEN-DAY MINIMUM	0.19	Aug 7	0.67	Aug 30	0.19	Aug 7 2002
MAXIMUM PEAK FLOW			729	Jun 17	928	Sep 21 2002
MAXIMUM PEAK STAGE			6.20	Jun 17	7.18	Sep 21 2002
ANNUAL RUNOFF (CFSM)	1.80		2.81		2.04	
ANNUAL RUNOFF (INCHES)	24.48		38.09		27.70	
10 PERCENT EXCEEDS	5.2		6.4		4.7	
50 PERCENT EXCEEDS	1.1		1.8		1.3	
90 PERCENT EXCEEDS	0.27		0.75		0.41	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31* CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.29	1.29	1.28	---	1.30	1.33	1.31	1.39	1.29	2.23	1.29	1.25
2	1.29	1.27	1.28	---	1.29	1.32	1.31	1.34	1.28	---	1.28	1.26
3	1.28	1.27	1.28	1.34	1.28	1.31	1.31	1.32	1.34	---	1.31	1.26
4	1.28	1.29	1.28	1.33	1.30	1.30	1.30	1.31	1.29	---	1.30	1.26
5	1.27	1.63	1.49	1.32	1.27	1.38	1.31	1.45	1.28	1.45	1.28	1.26
6	1.27	1.64	1.32	1.32	1.31	2.01	1.30	2.02	1.33	1.39	1.29	1.26
7	1.29	1.44	1.30	1.32	1.37	1.47	1.31	1.67	1.63	1.35	1.28	1.26
8	1.26	1.39	1.30	1.32	1.29	1.39	1.31	1.50	1.59	1.34	1.35	1.26
9	1.26	1.37	1.29	1.32	1.28	1.34	1.32	1.41	1.37	1.32	1.40	1.26
10	1.31	1.36	1.50	1.31	1.36	1.31	1.39	1.37	1.33	1.38	1.33	1.27
11	1.24	1.61	1.58	1.30	1.29	1.29	1.34	1.36	1.32	1.33	1.31	1.26
12	1.23	1.49	1.39	1.30	1.29	1.29	1.31	1.34	1.31	1.31	1.29	1.26
13	1.23	1.41	1.51	1.31	1.28	---	1.30	1.32	1.56	1.49	1.31	1.26
14	1.23	1.38	1.39	1.31	1.28	---	1.30	1.32	1.69	1.64	---	1.26
15	1.50	1.36	1.35	1.31	1.27	---	1.29	1.46	1.49	1.41	---	1.25
16	1.46	1.73	1.33	1.32	1.50	---	1.29	1.34	1.50	1.35	1.28	1.25
17	1.31	1.44	1.32	1.31	1.37	---	1.30	1.32	2.08	1.34	1.28	1.26
18	1.28	1.37	1.32	1.31	1.32	1.34	1.30	1.40	1.79	1.32	1.28	1.26
19	1.27	1.34	1.33	1.31	1.30	1.48	1.29	1.33	1.55	1.31	1.28	1.26
20	1.29	1.33	1.54	1.31	1.29	1.92	1.30	1.33	1.41	1.31	1.29	1.27
21	1.27	1.43	1.37	1.32	1.29	1.48	1.36	1.33	1.37	1.33	1.28	1.27
22	1.26	1.34	1.35	1.32	1.76	1.41	1.31	1.78	1.34	1.41	1.27	1.39
23	1.25	1.32	1.33	1.31	1.53	1.38	1.29	1.49	1.33	1.40	1.27	1.37
24	1.25	1.31	1.93	1.31	1.39	1.36	1.29	1.38	1.32	1.33	1.27	1.26
25	1.26	1.31	1.61	1.31	1.36	1.34	1.43	1.40	1.31	1.31	---	---
26	1.26	1.30	1.50	1.32	1.37	1.34	1.34	1.41	1.30	1.30	---	---
27	1.25	1.30	1.46	1.31	1.45	1.33	1.32	---	1.31	1.30	1.26	1.31
28	1.51	1.29	1.44	1.32	1.36	1.33	1.33	---	1.40	1.29	1.28	1.32
29	---	1.29	1.43	1.34	---	1.32	1.30	1.32	1.31	1.28	1.26	1.25
30	---	1.29	---	1.42	---	1.34	1.30	1.31	1.31	1.29	1.26	1.25
31	---	---	---	1.31	---	1.32	---	1.29	---	1.29	1.26	---
MEAN	---	1.39	---	---	1.35	---	1.32	---	1.42	---	---	---
MAX	---	1.73	---	---	1.76	---	1.43	---	2.08	---	---	---
MIN	---	1.27	---	---	1.27	---	1.29	---	1.28	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31* CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.26	0.00	0.02	0.00	1.19	0.00	4.99	0.01	0.00
2	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.09	0.00	0.02	0.00	0.00
3	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.50	0.00
4	0.19	0.11	0.13	0.00	0.25	0.03	0.00	0.00	0.01	---	0.00	0.00
5	0.00	2.12	1.02	0.00	0.00	1.51	0.31	1.87	0.00	---	0.05	0.00
6	0.00	0.02	0.00	0.00	0.76	1.43	0.09	1.87	0.66	0.00	0.05	0.00
7	0.24	0.00	0.00	0.00	0.07	0.00	0.13	0.36	2.30	0.02	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.35	0.00
9	0.00	0.00	0.00	0.13	0.11	0.00	0.13	0.00	0.00	0.00	0.06	0.00
10	0.38	0.01	1.82	0.00	0.37	---	0.73	0.00	0.00	0.87	0.00	0.00
11	0.01	1.36	0.01	0.00	0.00	---	0.00	0.11	0.05	0.01	0.05	0.00
12	0.01	0.22	0.01	0.00	0.00	---	0.00	0.00	0.06	0.01	0.01	0.00
13	0.04	0.00	0.72	0.00	0.00	---	0.00	0.00	1.64	2.68	0.25	0.00
14	0.02	0.00	0.01	0.00	0.08	---	0.00	0.00	1.06	0.01	0.01	0.00
15	1.87	0.52	0.00	0.00	0.00	---	0.00	0.99	0.00	0.00	0.00	0.00
16	0.05	1.02	0.00	0.11	1.16	---	0.00	0.00	2.98	0.00	0.01	0.00
17	0.00	0.00	0.00	0.03	0.02	---	0.19	0.02	0.40	0.00	0.01	0.00
18	0.00	0.00	0.00	0.00	0.00	0.10	0.04	0.54	1.37	0.00	0.00	0.00
19	0.00	0.07	0.89	0.00	0.00	1.26	0.00	0.06	0.03	0.00	0.00	0.00
20	0.31	0.28	0.12	0.00	0.00	0.92	0.00	0.08	0.00	0.01	0.02	0.00
21	0.00	0.33	0.00	0.13	0.12	0.01	0.53	0.18	0.00	0.51	0.00	0.07
22	0.00	0.00	0.02	0.01	1.77	0.00	0.00	1.78	0.00	0.61	0.00	1.47
23	0.01	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00
24	0.00	0.00	2.29	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
25	0.14	0.00	0.02	0.00	0.00	0.00	1.15	0.75	0.00	0.00	0.00	0.00
26	0.01	0.00	0.00	0.00	0.35	0.00	0.00	0.03	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.24	0.00	0.00	0.55
28	1.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.49	0.00
29	0.22	0.00	0.00	0.73	---	0.03	0.00	0.01	0.00	0.00	0.01	0.00
30	0.02	0.00	0.00	0.37	---	0.28	0.00	0.00	0.16	0.16	0.12	0.00
31	0.00	---	0.27	0.00	---	0.00	---	0.00	---	0.11	0.00	---
TOTAL	5.20	6.21	7.42	1.97	5.52	---	3.46	9.93	12.08	---	2.00	2.09

ALTAMAHA RIVER BASIN
2003 Water Year

02217274 WHEELER CREEK AT BILL CHEEK ROAD NEAR AUBURN, GA

LOCATION.—Lat 34°04'56", long 83°51'17" referenced to North American Datum (NAD) of 1927, Jackson-Barrow County line, Hydrologic Unit 03070101, at concrete box culvert on Bill Cheek Road.

DRAINAGE AREA.—1.31 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIOD OF RECORD.— June 1, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: June 1, 2001 to current year.
WATER TEMPERATURE: June 29, 2001 to current year.
TURBIDITY: June 29, 2001 to current year.

INSTRUMENTATION.— Satellite telemetry with a continuous water-quality monitor.

REMARKS.— Records fair, except turbidity, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 184 microsiemens, June 10, 2003; minimum recorded, 14 microsiemens, May 6, 2003.
WATER TEMPERATURE: Maximum recorded, 25.6°C, July 30, 2002; minimum recorded, 0.6°C, January 4, 2002, January 24, 2003.
TURBIDITY: Maximum recorded, >2,200 NTU, on several days; minimum recorded, <2.0 NTU, on many days.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum, 184 microsiemens, June 10; minimum, 14 microsiemens, May 6.
WATER TEMPERATURE: Maximum, 23.6°C, August 28; minimum, 0.6°C, January 24.
TURBIDITY: Maximum, >2,200 NTU, on several days; minimum, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31 CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	55	54	55	51	51	51	51	50	51	48	38	44
2	55	54	54	52	51	52	51	50	50	48	46	47
3	58	54	54	51	51	51	54	50	51	48	47	48
4	59	54	55	53	50	51	54	50	52	48	48	48
5	66	54	58	51	22	40	53	32	42	48	48	48
6	55	54	54	47	32	39	50	48	48	48	48	48
7	57	53	55	48	46	47	49	49	49	48	48	48
8	55	54	54	49	48	49	50	49	49	48	48	48
9	54	53	54	50	49	50	50	49	50	49	48	48
10	54	41	52	52	50	51	50	28	45	53	48	50
11	53	46	51	52	33	42	44	32	38	49	49	49
12	54	53	54	50	46	48	46	44	45	49	48	49
13	57	53	55	51	50	50	46	33	41	49	48	49
14	55	53	54	51	50	51	47	45	46	49	48	49
15	54	30	43	52	51	52	47	46	47	49	49	49
16	51	35	43	52	35	40	48	47	48	50	49	49
17	53	51	52	50	45	48	49	48	48	52	49	50
18	53	51	52	52	49	50	49	49	49	50	49	49
19	53	52	53	52	51	51	53	44	49	49	49	49
20	53	47	52	52	51	51	46	26	41	49	48	49
21	53	48	52	51	41	47	47	46	47	49	48	49
22	54	53	53	51	50	50	48	47	48	53	48	50
23	54	53	53	50	50	50	48	48	48	50	48	49
24	53	53	53	50	50	50	49	17	33	50	49	50
25	55	53	53	50	50	50	41	31	38	50	49	49
26	56	53	54	50	50	50	44	41	42	49	48	49
27	53	53	53	50	50	50	45	44	44	49	48	49
28	53	18	45	50	50	50	46	45	45	50	48	49
29	48	32	41	50	50	50	47	46	46	57	48	50
30	50	48	49	51	50	50	47	47	47	59	45	53
31	51	50	50	---	---	---	48	47	47	55	49	51
MONTH	66	18	52	53	22	49	54	17	46	59	38	49

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31 CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	49	48	49	47	46	46	49	47	48	61	33	52
2	49	48	49	49	46	47	48	47	48	61	53	57
3	49	48	49	47	46	47	49	47	48	56	52	54
4	54	48	51	47	46	47	49	47	48	53	52	52
5	52	49	50	51	22	48	57	47	50	53	27	50
6	58	38	49	---	---	---	52	48	49	41	14	30
7	58	37	50	---	---	---	54	49	51	37	27	32
8	50	48	49	---	---	---	50	49	49	39	37	38
9	49	48	49	---	---	---	54	49	51	42	39	40
10	56	39	48	---	---	---	54	44	50	43	42	42
11	53	48	49	---	---	---	56	52	54	48	43	44
12	49	48	49	---	---	---	53	50	51	48	47	47
13	49	48	49	---	---	---	51	49	50	49	48	48
14	55	48	50	---	---	---	50	49	50	49	49	49
15	51	48	49	---	---	---	50	48	49	58	29	49
16	49	34	45	---	---	---	50	48	49	57	48	51
17	52	47	49	---	---	---	51	48	50	50	49	49
18	48	47	47	54	50	52	57	46	51	58	45	53
19	48	47	47	62	34	53	52	50	51	54	50	51
20	48	47	48	41	27	35	51	50	51	61	50	55
21	48	47	48	42	40	41	62	48	52	57	50	51
22	58	23	39	44	42	43	61	51	55	59	31	44
23	41	36	39	45	44	44	53	51	52	57	47	50
24	44	41	42	46	45	45	52	51	51	47	46	46
25	45	44	44	47	46	46	54	39	49	58	38	48
26	51	45	46	47	46	47	59	51	54	61	51	57
27	50	43	47	47	46	47	52	51	51	51	50	50
28	48	45	46	48	46	47	52	50	51	56	51	51
29	---	---	---	48	47	48	53	51	52	52	51	51
30	---	---	---	56	47	50	52	51	52	52	51	52
31	---	---	---	49	47	48	---	---	---	52	51	52
MONTH	58	23	47	---	---	---	62	39	51	61	14	48

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31 CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	53	52	52	63	17	39	57	51	54	57	54	55
2	52	52	52	44	30	38	51	49	50	55	54	54
3	82	52	65	47	45	46	63	46	52	54	54	54
4	75	52	57	54	37	38	61	52	56	54	54	54
5	53	51	52	56	47	52	52	50	51	54	53	54
6	89	43	55	56	46	49	51	50	50	56	54	55
7	92	21	59	52	48	49	53	50	51	56	53	54
8	52	39	46	61	49	52	70	48	52	55	53	53
9	52	47	49	57	50	51	76	66	74	53	52	52
10	184	48	67	72	43	57	69	56	64	53	51	52
11	87	49	56	71	54	62	56	51	52	53	52	52
12	57	50	53	54	53	53	62	52	55	52	51	52
13	61	32	51	53	19	49	74	49	57	58	52	53
14	60	32	50	---	---	---	73	56	64	53	52	53
15	54	48	51	---	---	---	56	53	54	53	52	52
16	72	20	54	45	44	44	53	52	53	54	52	53
17	48	20	40	48	45	46	53	52	52	52	51	52
18	51	28	44	49	46	46	53	52	52	53	51	52
19	54	45	49	48	46	47	53	52	52	52	51	52
20	48	44	46	48	47	47	60	52	56	63	52	54
21	47	46	47	83	45	51	68	52	54	53	52	52
22	48	46	47	86	36	68	53	52	52	134	47	60
23	49	48	48	67	53	61	52	51	52	77	71	72
24	50	49	49	60	53	57	52	52	52	76	62	69
25	50	49	50	53	50	52	52	52	52	---	---	---
26	51	50	50	51	50	51	52	52	52	---	---	---
27	55	50	51	50	49	50	53	52	52	---	---	---
28	82	53	65	50	49	50	68	50	55	93	83	88
29	60	52	55	50	49	50	80	62	71	83	64	71
30	58	51	53	57	49	52	62	56	58	93	60	62
31	---	---	---	57	49	52	64	55	60	---	---	---
MONTH	184	20	52	---	---	---	80	46	55	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31 CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.9	19.0	19.8	14.2	11.9	13.1	9.2	6.5	7.6	11.9	10.8	11.3
2	21.1	19.3	20.2	13.0	10.9	12.1	9.2	5.6	7.4	12.1	11.0	11.4
3	21.2	19.2	20.2	13.2	12.0	12.6	10.6	6.8	8.7	11.3	7.3	9.5
4	20.9	19.2	20.2	14.3	13.1	13.6	9.8	7.1	8.6	8.6	6.0	7.2
5	22.3	20.3	21.1	13.8	12.4	13.2	7.9	4.0	6.5	9.9	6.5	8.0
6	21.4	19.4	20.5	14.3	12.8	13.7	9.0	6.7	7.7	8.8	6.8	7.7
7	21.5	20.2	20.8	13.9	11.5	12.7	8.9	6.1	7.2	8.1	5.4	6.6
8	20.3	18.1	19.3	13.9	10.8	12.4	9.1	5.8	7.5	9.4	6.0	7.6
9	18.1	17.0	17.4	15.2	11.7	13.4	9.2	7.4	8.4	11.6	8.4	9.9
10	18.6	17.3	17.8	17.2	15.2	16.1	8.7	7.2	8.2	11.3	7.7	10.1
11	19.9	18.4	19.0	17.4	16.4	16.9	10.0	8.1	9.3	7.7	5.6	6.6
12	20.5	18.3	19.4	16.4	14.5	15.7	10.8	9.6	10.1	6.9	4.7	5.8
13	21.0	19.3	20.1	14.5	12.1	13.3	10.0	7.8	9.3	7.1	5.3	6.1
14	19.3	17.2	18.2	13.4	10.3	11.8	9.5	8.0	8.9	8.7	5.1	6.7
15	17.2	14.2	15.2	13.5	9.8	11.7	9.9	6.9	8.3	7.3	4.9	6.1
16	17.0	14.9	15.9	13.9	12.8	13.3	11.3	7.9	9.4	5.9	4.1	5.1
17	15.5	13.7	14.6	13.2	10.2	11.8	10.8	8.6	9.6	6.3	3.7	5.1
18	15.0	12.3	13.7	12.4	9.1	10.7	10.2	8.9	9.5	4.7	1.8	3.2
19	15.3	12.5	14.0	12.7	10.2	11.4	11.0	9.4	10.1	5.7	2.8	4.1
20	16.9	14.1	15.3	12.6	11.0	11.8	11.4	8.7	10.5	8.3	3.6	5.8
21	17.6	16.6	17.0	14.0	11.7	12.7	9.9	7.3	8.5	11.4	8.0	9.9
22	16.7	15.5	16.2	12.2	9.3	11.0	11.5	7.3	9.3	10.9	8.4	10
23	15.5	15.1	15.3	11.0	7.9	9.4	10.8	7.5	9.3	8.4	1.9	5.2
24	16.3	15.1	15.6	12.6	8.9	10.6	10.3	7.4	9.0	4.4	0.6	2.3
25	15.7	15.2	15.4	12.5	8.9	10.6	9.3	7.4	8.6	6.0	2.6	4.0
26	16.4	15.2	15.8	12.8	9.0	11.0	8.7	6.8	7.6	7.3	4.7	5.6
27	17.2	15.8	16.6	12.5	8.5	10.8	8.6	6.0	7.3	6.2	3.4	4.8
28	18.3	17.2	17.5	9.3	7.0	8.0	8.9	6.1	7.5	7.5	2.8	5.2
29	17.9	16.1	17.3	9.5	6.2	7.9	10.5	7.3	8.6	9.2	7.3	8.3
30	17.0	15.0	16.0	11.4	9.0	9.9	10.5	7.1	8.7	9.3	8.6	9.0
31	15.2	13.5	14.4	---	---	---	11.2	8.7	10	9.3	7.9	8.4
MONTH	22.3	12.3	17.4	17.4	6.2	12.1	11.5	4.0	8.6	12.1	0.6	7.0

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31 CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10.2	7.3	8.4	10.2	9.5	9.9	16.4	8.2	11.9	19.0	15.6	17.1
2	11.4	6.8	8.9	12.8	9.7	11.0	17.8	11.4	14.1	19.2	16.3	17.6
3	11.5	7.1	9.4	11.4	7.3	9.4	18.7	11.6	14.7	17.8	15.5	16.5
4	11.8	8.4	10.7	12.1	7.5	10	18.3	13.1	15.4	18.5	14.8	16.7
5	9.3	6.0	7.6	12.7	10.8	11.7	17.3	14.7	15.6	18.5	16.3	17.1
6	7.8	5.9	7.1	12.4	11.6	12.0	15.4	12.6	14.2	18.4	17.1	17.5
7	8.5	5.7	6.9	13.9	10.9	11.9	14.3	13.1	13.9	18.1	16.9	17.4
8	7.8	4.9	6.3	13.5	10.2	11.5	13.1	11.8	12.3	18.3	16.6	17.4
9	9.6	5.6	7.4	16.0	11.1	13.0	11.8	11.2	11.5	19.2	16.6	17.7
10	9.6	7.1	8.3	---	---	---	11.2	10.5	10.9	19.6	16.8	18.1
11	9.8	5.5	7.4	---	---	---	14.2	9.4	11.8	18.4	16.7	17.6
12	10.6	6.6	8.2	---	---	---	16.8	10.2	13.3	17.8	15.5	16.5
13	10.1	5.6	7.7	---	---	---	17.7	11.6	14.4	17.6	13.9	15.8
14	8.5	6.6	7.6	---	---	---	18.1	11.7	14.7	16.5	14.7	15.7
15	11.4	8.3	9.8	---	---	---	18.4	12.7	15.3	17.4	15.6	16.6
16	11.1	5.8	7.8	---	---	---	17.8	13.1	15.3	18.3	16.4	17.2
17	7.7	5.9	6.9	---	---	---	16.1	13.9	15.2	17.8	16.8	17.3
18	10.1	6.6	7.9	13.9	12.9	13.3	15.3	13.7	14.8	17.0	15.9	16.4
19	10.2	6.1	8.1	14.0	13.1	13.7	15.4	13.1	14.1	15.9	15.1	15.3
20	12.2	8.5	10.1	13.1	12.0	12.4	14.8	14.2	14.5	16.3	14.8	15.5
21	10.6	9.3	9.9	16.5	12.1	13.7	17.2	14.4	15.5	16.6	15.8	16.2
22	12.7	9.5	11.0	15.5	11.0	13.1	16.8	13.5	14.9	17.3	16.5	16.9
23	11.7	8.6	10.1	16.0	10.6	12.9	16.4	11.5	13.8	17.8	16.2	16.8
24	13.4	8.1	10.3	16.9	10.4	13.2	14.8	11.2	13.2	18.1	16.2	17.0
25	11.9	8.9	10.3	17.4	10.4	13.6	15.5	13.5	14.5	18.7	15.5	17.0
26	10.1	8.2	8.9	17.8	12.1	14.8	17.0	14.2	15.5	18.7	16.8	17.9
27	8.2	7.1	7.7	18.1	13.7	15.4	17.3	13.3	15.3	18.1	15.6	16.8
28	12.2	8.1	9.8	16.8	14.3	15.4	18.0	13.6	15.8	18.1	14.9	16.5
29	---	---	---	17.0	12.9	14.9	18.7	14.4	16.6	18.2	15.9	16.9
30	---	---	---	13.8	9.6	12.0	18.8	15.1	16.9	18.2	15.1	16.6
31	---	---	---	13.8	7.8	10.3	---	---	---	19.6	15.8	17.6
MONTH	13.4	4.9	8.6	---	---	---	18.8	8.2	14.3	19.6	13.9	16.9

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31 CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.7	16.1	17.3	20.5	19.3	20.0	22.2	20.2	21.0	23.0	21.2	22.0
2	18.1	14.6	16.4	20.3	19.8	20.1	22.5	20.5	21.3	22.8	20.7	21.7
3	18.4	16.4	17.4	21.1	19.2	20.1	21.6	20.5	21.0	23.2	20.9	21.9
4	19.9	17.6	18.5	22.2	---	---	21.6	20.4	21.0	23.0	21.2	22.0
5	19.9	16.0	17.6	21.2	19.9	20.5	22.7	20.5	21.4	22.2	20.2	21.2
6	19.7	16.5	17.8	21.1	19.5	20.2	21.7	20.6	21.1	21.2	19.8	20.5
7	21.1	18.9	19.8	21.1	19.1	20.1	22.2	19.7	20.8	20.3	18.7	19.5
8	21.1	19.4	20.1	21.6	19.3	20.4	22.1	20.3	21.1	20.4	17.9	19.2
9	20.1	18.0	19.0	22.1	19.7	20.8	22.8	20.4	21.6	20.5	17.8	19.1
10	20.0	16.8	18.4	21.7	20.0	20.8	22.2	20.7	21.5	20.4	18.1	19.3
11	20.8	17.8	19.2	21.7	20.0	20.7	22.2	20.2	21.2	20.4	18.0	19.2
12	20.4	18.3	19.3	21.8	19.6	20.6	21.3	19.9	20.6	20.2	17.3	18.7
13	22.0	18.6	19.7	21.7	19.6	20.6	21.8	20.2	20.9	20.4	16.7	18.6
14	22.7	19.8	20.7	21.8	20.7	21.2	22.9	20.6	21.8	20.6	18.0	19.3
15	20.8	19.2	20.0	21.5	20.1	20.8	23.1	20.8	21.9	21.4	19.3	20.2
16	21.0	18.5	19.4	21.6	19.7	20.6	23.0	21.1	21.9	20.7	18.0	19.3
17	21.4	20.0	20.7	21.7	19.8	20.7	23.0	20.6	21.7	20.1	17.3	18.6
18	21.4	19.6	20.4	21.7	19.8	20.7	23.3	20.8	21.9	19.9	16.0	18.0
19	20.6	19.2	19.9	22.3	20.0	21.0	23.0	21.0	22.0	20.6	17.2	18.8
20	20.4	18.4	19.3	22.2	20.2	21.1	22.5	21.4	21.9	21.0	17.5	19.2
21	19.5	16.6	18.1	22.3	20.1	21.2	23.0	20.9	21.9	20.6	17.6	19.2
22	19.3	16.3	17.9	22.2	20.6	21.3	22.9	20.6	21.7	21.8	19.8	20.4
23	20.0	16.8	18.4	21.9	20.4	21.2	23.4	21.0	22.1	21.2	19.2	20.2
24	20.2	17.8	19.0	21.5	18.8	20.1	22.4	20.9	21.8	20.1	17.0	18.6
25	20.7	18.1	19.4	21.4	18.4	19.9	22.7	21.1	21.7	---	---	---
26	20.5	18.3	19.5	21.6	19.5	20.5	23.2	---	---	20.3	---	---
27	20.4	18.6	19.5	22.1	19.7	20.8	23.4	21.0	22.1	20.5	17.4	19.0
28	21.0	19.2	20.1	22.8	20.2	21.3	23.6	21.3	22.2	19.8	16.3	18.6
29	21.0	19.2	20.1	23.0	20.6	21.7	23.2	20.9	22.0	16.7	13.9	15.3
30	20.3	19.2	19.7	21.4	20.5	20.8	22.9	21.1	21.9	16.6	12.7	14.6
31	---	---	---	22.0	20.1	20.8	23.2	20.9	22.0	---	---	---
MONTH	22.7	14.6	19.1	23.0	---	---	23.6	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31 CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21	12	14	---	---	---	---	---	---	1110	21	120
2	24	11	14	---	---	---	---	---	---	62	9.9	13
3	30	12	16	---	---	---	---	---	---	96	8.6	16
4	34	10	14	---	---	---	---	---	---	10	5.9	6.9
5	103	10	20	---	---	---	>1200	---	---	7.2	<5.0	5.7
6	28	9.2	10	505	38	190	43	8.7	16	16	<5.0	5.3
7	194	9.9	42	41	13	19	8.9	<5.0	6.0	12	<5.0	5.0
8	23	9.4	12	---	---	---	11	<5.0	<5.0	7.4	<5.0	5.6
9	22	8.4	10	---	---	---	7.2	<5.0	<5.0	10	<5.0	5.4
10	>1200	7.5	8.9	---	---	---	>1200	<5.0	<5.0	60	5.2	9.4
11	770	23	92	1200	14	251	448	19	242	6.0	<5.0	<5.0
12	25	12	14	320	14	42	20	8.9	12	5.8	<5.0	<5.0
13	34	11	16	36	12	16	655	8.7	133	<5.0	<5.0	<5.0
14	19	9.4	11	---	---	---	60	9.7	17	<5.0	<5.0	<5.0
15	>1200	9.5	196	---	---	---	17	6.0	7.7	<5.0	<5.0	<5.0
16	558	25	177	1200	24	274	19	5.2	6.0	44	<5.0	<5.0
17	28	14	17	62	11	16	12	<5.0	5.5	68	<5.0	5.1
18	34	10	13	32	9.2	14	11	<5.0	5.3	<5.0	<5.0	<5.0
19	17	9.0	11	53	18	29	324	<5.0	8.6	<5.0	<5.0	<5.0
20	327	9.0	11	623	35	40	>1200	23	322	6.7	<5.0	<5.0
21	---	---	---	651	14	131	23	8.8	11	9.6	<5.0	5.3
22	---	---	---	145	5.9	10	9.4	6.5	7.5	126	5.6	12
23	---	---	---	10	<5.0	<5.0	11	5.2	6.0	11	<5.0	5.6
24	34	12	17	9.9	<5.0	<5.0	>1200	6.4	276	12	<5.0	<5.0
25	---	---	---	---	<5.0	---	266	18	33	15	<5.0	6.2
26	---	---	---	---	---	---	19	10	12	---	<5.0	---
27	---	---	---	---	---	---	11	6.7	8.3	---	---	---
28	1020	6.0	7.8	---	---	---	28	5.6	7.2	---	---	---
29	>1200	64	291	---	---	---	21	5.3	6.4	---	<5.0	---
30	70	26	40	---	---	---	19	<5.0	5.9	566	22	141
31	31	15	18	---	---	---	125	<5.0	5.7	27	7.3	11
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31 CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.4	<5.0	5.8	13	6.3	7.3	9.7	<5.0	<5.0	>1200	<5.0	5.6
2	7.7	<5.0	<5.0	11	5.5	6.3	<5.0	<5.0	<5.0	689	18	70
3	7.7	<5.0	<5.0	8.9	<5.0	5.7	3.6	<5.0	<5.0	34	9.1	14
4	397	<5.0	35	91	<5.0	5.6	7.3	<5.0	<5.0	14	6.8	8.2
5	12	<5.0	6.2	893	<5.0	9.4	41	<5.0	<5.0	>1200	6.5	8.0
6	485	<5.0	6.3	>1200	282	431	9.9	<5.0	<5.0	>1200	275	376
7	644	21	129	292	49	77	22	<5.0	5.2	395	100	198
8	22	6.5	8.5	142	20	35	7.6	<5.0	<5.0	173	13	22
9	9.5	<5.0	5.4	21	11	13	18	<5.0	7.8	18	8.7	10
10	347	6.0	106	---	---	---	213	<5.0	14	10	6.9	8.0
11	31	5.9	7.4	---	---	---	110	18	46	---	---	---
12	7.8	<5.0	5.3	---	---	---	51	11	20	---	---	---
13	6.0	<5.0	<5.0	---	---	---	22	7.2	11	---	---	---
14	54	<5.0	5.5	---	---	---	---	---	---	---	---	---
15	6.0	<5.0	<5.0	---	---	---	---	<5.0	---	1150	<5.0	286
16	1170	<5.0	411	---	---	---	<5.0	<5.0	<5.0	221	22	28
17	276	14	34	---	---	---	6.1	<5.0	<5.0	34	14	18
18	19	7.1	9.5	92	11	21	>1200	<5.0	45	779	14	144
19	7.7	5.1	5.6	>1200	12	346	37	9.8	13	128	12	18
20	6.6	<5.0	<5.0	1140	91	216	18	7.0	9.1	28	11	16
21	7.0	<5.0	<5.0	93	13	20	845	7.1	13	28	8.6	11
22	1170	5.3	527	18	8.3	10	122	13	21	1140	27	201
23	572	59	138	18	7.0	9.3	16	7.2	9.5	141	16	57
24	89	12	16	14	5.7	6.9	10	5.8	7.2	16	10	12
25	19	8.1	9.9	22	<5.0	6.7	1070	6.5	191	>1200	7.8	10
26	231	6.3	7.7	14	5.3	6.3	508	16	30	488	18	123
27	254	50	133	9.7	5.6	6.9	20	11	13	48	8.3	12
28	50	12	21	7.6	<5.0	<5.0	49	9.1	12	29	7.3	9.4
29	---	---	---	6.4	<5.0	<5.0	22	5.8	7.4	78	7.8	9.4
30	---	---	---	80	<5.0	15	8.5	5.1	6.1	23	7.6	10
31	---	---	---	12	5.3	7.2	---	---	---	51	10	17
MAX	1170	59	527	---	---	---	---	---	---	---	---	---
MIN	6.0	5.0	5.0	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340456 LONGITUDE 0835117 NAD27 DRAINAGE AREA 1.31 CONTRIBUTING DRAINAGE AREA DATUM 885.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	62	16	40	>1200	31	601	17	5.1	6.8	20	14	16
2	69	38	52	423	88	126	9.9	5.3	5.9	22	10	12
3	482	37	98	88	15	35	85	5.6	22	15	9.9	11
4	37	7.3	9.6	740	9.7	15	24	6.0	12	14	8.4	11
5	8.6	5.6	6.7	236	23	60	10	5.2	5.8	13	7.9	9.1
6	622	5.3	6.4	177	13	17	7.2	5.3	6.1	11	7.5	8.8
7	>1200	64	184	20	8.9	11	7.4	<5.0	5.8	11	7.6	8.6
8	323	109	184	21	8.0	9.7	1040	<5.0	5.6	---	---	---
9	111	12	24	224	7.9	9.2	397	91	175	---	---	---
10	387	9.1	13	768	7.9	109	101	19	28	48	<5.0	6.1
11	154	8.6	12	116	10	20	21	11	13	48	<5.0	6.5
12	19	7.0	8.9	14	8.1	9.4	20	6.3	7.8	57	5.2	8.3
13	>1200	7.7	16	1120	6.9	8.7	313	5.8	8.1	12	<5.0	5.7
14	>1200	191	231	632	171	208	90	7.9	13	12	<5.0	5.1
15	195	16	76	176	14	26	9.5	6.0	6.9	5.8	<5.0	<5.0
16	>1200	13	74	15	9.9	12	8.2	5.4	6.3	5.3	<5.0	<5.0
17	>1200	183	269	99	9.2	10	7.0	<5.0	5.7	30	<5.0	<5.0
18	>1200	140	201	13	7.6	8.9	93	5.0	5.6	10	<5.0	<5.0
19	201	26	102	11	7.0	7.9	7.2	<5.0	5.3	24	<5.0	<5.0
20	33	13	16	11	6.6	7.7	14	<5.0	6.2	119	<5.0	8.9
21	15	9.1	11	873	6.6	7.6	120	<5.0	<5.0	7.8	<5.0	<5.0
22	477	8.4	12	907	28	263	5.5	<5.0	<5.0	>1200	<5.0	5.2
23	14	8.6	9.9	990	64	191	5.7	<5.0	<5.0	233	47	126
24	11	8.4	9.2	65	18	36	7.1	<5.0	<5.0	47	9.2	15
25	12	8.3	9.7	20	11	13	4.9	<5.0	<5.0	---	---	---
26	16	8.8	11	15	8.6	10	4.7	<5.0	<5.0	---	---	---
27	120	12	14	13	7.2	8.7	19	<5.0	<5.0	>1200	5.5	6.6
28	872	38	141	12	6.9	7.8	>1200	<5.0	<5.0	566	28	116
29	39	8.7	13	9.2	6.4	7.3	196	14	19	33	8.9	10
30	31	8.4	10	14	6.4	8.7	26	11	14	11	6.3	7.7
31	---	---	---	12	5.4	6.9	21	12	14	---	---	---
MAX	1200	191	269	1200	171	601	1200	91	175	---	---	---
MIN	8.6	5.3	6.4	9.2	5.4	6.9	4.7	5.0	5.0	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA

LOCATION.—Lat 34°04'56", long 83°51'17" referenced to North American Datum (NAD) of 1927, Jackson-Barrow County line, Hydrologic Unit 03070101, at concrete box culvert on Bill Cheek Road.

DRAINAGE AREA.—1.31 square miles (revised).

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—July 25, 2001 to current year.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory and Missouri District Water Quality Laboratory. Field values with analyzing agency code 1028 are median values of cross-section field data at the time of sample collection. Field determinations of discharge, specific conductance, pH, water temperature, air temperature, dissolved oxygen, and turbidity by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Hydrologic condition	Hydrologic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, NTU (00076)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)
OCT													
25...	0840	--	A	9	81213	1.25	.63	10	7.7	6.9	55	45	8
NOV													
16-16	1015	1025	A	J	81213	1.90	27	10	320	7.0	35	29	227
DEC													
10-10	1845	1855	A	J	81213	2.06	45	10	920	6.5	33	24	849
17...	1145	--	A	9	81213	1.32	1.6	40	5.2	6.6	47	42	4
MAR													
10...	1315	--	9	9	81213	1.32	1.2	10	8.0	7.0	46	36	3
APR													
03...	1325	--	9	9	81213	1.31	1.6	10	3.7	6.9	47	36	2
25-25	0535	0540	A	J	81213	1.68	14	10	730	--	--	30	842
MAY													
15-15	1140	1150	A	J	81213	1.63	12	10	830	6.7	40	34	611
JUN													
13-13	1720	1730	A	J	81213	2.15	53	10	620	4.8	68	41	781
JUL													
10-10	1450	1500	9	J	81213	1.41	4.0	10	280	6.2	64	59	182
17...	1020	--	9	9	81213	1.34	1.6	10	--	6.6	59	45	5
AUG													
18...	1245	--	9	9	81213	1.28	.86	10	6.5	6.4	67	49	4

02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA —continued.

Date	Residue volatile, suspended, mg/L (00535)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sampler type, code (84164)
OCT													
25...	3	<.20	.008	.70	.700	<.02	<.02	--	1.6	85	--	9	8010
NOV													
16-16	29	1.2	.094	.26	.280	.03	.21	1.5	4.5	5100	90	287	3044
DEC													
10-10	116	1.9	.361	.32	.330	.09	.58	2.2	3.0	E1330k	81	1040	3044
17...	2	.40	.017	.76	.800	<.02	<.02	1.2	1.1	38	--	3	3044
MAR													
10...	<1	<.20	.008	.40	.760	<.02	<.02	--	1.2	17	--	5	3044
APR													
03...	<1	<.20	.025	.74	.740	<.02	<.02	--	1.3	31	--	3	3044
25-25	127	2.2	.129	.34	.340	<.02	.46	2.5	3.7	4800	92	821	3044
MAY													
15-15	98	1.1	.120	.37	.410	<.02	.25	1.5	4.4	9000	97	592	3044
JUN													
13-13	99	1.9	.226	.34	.340	.04	.40	2.2	10.0	44000	57	1220	3044
JUL													
10-10	32	.50	A.060	.55	.550	<.02	.09	1.1	3.2	6870	98	177	3044
17...	<1	.20	A.060	.69	.720	<.02	<.02	.92	1.5	S170k	--	14	3044
AUG													
18...	2	<.20	A.020	.91	.910	<.02	<.02	--	1.3	E255l	--	7	3044

Date	Time	Ending time	Hydrologic condition	Hydrologic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT													
25...	0849	--	A	9	1028	1.25	.63	40	6.9	8.8	90	6.5	51
NOV													
16-16	1012	1015	A	J	1028	1.91	28	40	410	10.4	--	6.7	35
DEC													
10-10	1855	1900	A	J	1028	2.07	46	40	1100	7.3	60	6.1	31
17...	1200	--	A	9	1028	1.32	1.6	40	6.2	10.8	97	6.7	48
MAR													
10...	1333	--	9	9	1028	1.31	1.2	10	9.5	11.0	107	6.7	45
APR													
03...	1330	--	A	9	--	1.31	1.6	10	4.0	10.1	104	6.5	47
25-25	0540	0545	A	J	1028	1.68	14	40	1000	9.6	93	6.5	38
MAY													
15-15	1150	1155	A	J	1028	1.62	12	40	1000	9.1	94	6.7	42
JUN													
13...	1732	--	5	J	1028	2.14	51	10	960	8.6	100	6.2	41
JUL													
10-10	1455	1505	5	J	1028	1.41	4.0	40	330	8.9	104	6.7	60
17...	1045	--	9	9	1028	1.34	1.6	40	25	8.5	96	6.5	51
AUG													
18...	1300	--	9	9	1028	1.28	.86	40	44	9.1	107	5.8	66

02217274 WHEELER CREEK AT BILL CHEEK ROAD, NEAR AUBURN, GA —continued.

Date	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sampler type, code (84164)
OCT					
25...	14.0	15.2	--	4	--
NOV					
16-16	--	13.2	86	--	3002
DEC					
10-10	5.5	7.2	77	1050	3002
17...	12.2	9.8	--	2	3001
MAR					
10...	--	14.0	--	3	--
APR					
03...	--	17.6	--	2	3001
25-25	--	13.8	93	900	3001
MAY					
15-15	--	16.9	97	544	3001
JUN					
13...	--	21.3	--	--	--
JUL					
10-10	23.0	21.7	98	184	3001
17...	--	20.4	--	13	3001
AUG					
18...	37.7	22.3	--	39	8000

Remark codes used in this report:
< -- Less than
> -- Greater than
A -- Average value
E -- Estimated value
S -- Most probable value

Value qualifier codes used in this report:
a -- Value was extrapolated above
f -- Sample field preparation problem
k -- Counts outside acceptable range
l -- Sample lab preparation problem
q -- Insufficient sample received

02217293 LITTLE MULBERRY RIVER GA 211, NEAR HOSCHTON, GA

LOCATION.—Lat 34°03’43”, long 83°47’08” referenced to North American Datum (NAD) of 1927, Barrow County, Hydrologic Unit 03070101, at bridge crossing at GA 211, and 1.5 miles above mouth.

DRAINAGE AREA.—28.4 square miles.

COOPERATION.—U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---March 2003, to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
MAR													
14...	0945	9	80020	3.29	48	10	11	744	9.2	91	6.9	56	13.8
SEP													
18...	0945	9	80020	2.91	18	10	7.3	741	8.6	88	7.0	67	16.7

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)
MAR													
14...	2.74	3.4	.17	<.04	.86	<.008	<.02	.04	.017	1.0	.4	<.1	.4
SEP													
18...	3.96	3.5	.16	<.04	.82	<.008	<.02	.02	.009	.97	.2	<.1	.2

Date	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)
MAR													
14...	1.7	230	<.09	<.006	<.1	<.005	E.006	<.004	<.004	E.002	<.006	<.004	.073
SEP													
18...	1.7	290	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	E.004t

02217293 LITTLE MULBERRY RIVER GA 211, NEAR HOSCHTON, GA---continued.

Date	Azinphos-methyl oxon, water, fltrd, ug/L (61635)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)
MAR													
14...	<.02	<.050	<.010	E.005	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.04	<.005
SEP													
18...	<.03	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005

Date	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)
MAR													
14...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
SEP													
18...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002

Date	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methidathion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)
MAR													
14...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
SEP													
18...	<.003	<.013	<1	<.003	<.008	<.027	.009	<.006	<.03	<.006	<.013	<.006	<.008

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)
MAR													
14...	E.012	<.10	<.011	<.06	<.008	<.01	<.005	.008	.199	<.02	<.07	<.02	<.01
SEP													
18...	<.022	<.10	<.011	<.06	<.008	Mt	<.005	<.004	.008	<.02	<.07	<.02	<.01

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
MAR						
14...	<.009	<.01	88	13	15.00	3045
SEP						
18...	<.009	<.01	83	8	15.00	3045

02217293 LITTLE MULBERRY RIVER GA 211, NEAR HOSCHTON, GA---continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
APR								
28...	1400	D	22.6	E160	E182.1	8.9	15.1	280

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this report:
   t -- Below the long-term MDL

ALTAMAHA RIVER BASIN
2003 Water Year

02217297 MULBERRY RIVER NEAR WINDER, GA

LOCATION.—Lat 34°02'45", long 83°42'42" referenced to North American Datum (NAD) of 1927, Barrow County, Hydrologic Unit 03070101, 0.2 miles downstream from Hawk Creek, 1.1 miles upstream of Indian Creek, and 3.5 miles north of Winder.

DRAINAGE AREA.—109 square miles.

COOPERATION.—City of Winder.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—May 9, 2000 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage 660.00 feet (from topographic map).

RATING.—Rating Number 3, effective May 31, 2002 to current year.

REMARKS.—Records fair. Gage and dam were damaged during high flow conditions. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
12/03/02	4.30	83.6
08/15/03	4.60	129

ALTAMAHA RIVER BASIN
2003 Water Year

02217380 MULBERRY RIVER AT GA 11, NEAR WINDER, GA

LOCATION.—Lat 34°03'08", long 83°39'49" referenced to North American Datum (NAD) of 1927, Barrow-Jackson County, Hydrologic Unit 03070101, at GA Highway 11, 4.5 miles northeast of Winder.

DRAINAGE AREA.—142 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1976, November 30, 1983 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 675.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REVISIONS.—Annual peaks from 1976 to 2002, due to reference point change.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 19.35 feet, July 2, 2003
DISCHARGE: 7,250 cfs, July 2, 2003

MAXIMUM FOR CURRENT YEAR.—
STAGE: 19.35 feet, July 2
DISCHARGE: 7,250 cfs, July 2

ALTAMAHA RIVER BASIN
2003 Water Year

02217400 MULBERRY RIVER TRIBUTARY NEAR WINDER, GA

LOCATION.—Lat 34°03'53", long 83°39'45" referenced to North American Datum (NAD) of 1927, Jackson County, Hydrologic Unit 03070101, at culvert on GA 11, 6.0 miles northeast of Winder.

DRAINAGE AREA.—2.68 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1965 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 740.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 7.31 feet, February 10, 1990
DISCHARGE: 1,690 cfs, February 10, 1990

MAXIMUM FOR CURRENT YEAR.—
STAGE: 6.57 feet, March 20
DISCHARGE: 1,440 cfs, March 20

02217471 BEECH CREEK AT GA 211, NEAR STATHAM, GA

LOCATION.—Lat 34°01’13”, long 83°36’23” referenced to North American Datum (NAD) of 1983, Barrow County, Hydrologic Unit 03070101, at bridge crossing at GA 211, and 2.4 miles above mouth.

DRAINAGE AREA.—20.2 square miles.

COOPERATION.—U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---March 2003, to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
APR													
01...	1230	9	80020	3.18	28	10	14	756	10.0	96	7.1	59	13.0
SEP													
18...	1500	9	80020	2.97	15	10	11	--	7.9	86	7.0	65	19.6

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)
APR													
01...	2.30	2.3	.14	E.02	1.05	<.008	<.02	.05	.020	1.2	.3	<.1	.3
SEP													
18...	3.43	1.4	.14	<.04	.93	<.008	<.02	<.02	.013	1.1	.4	<.1	.4

Date	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)
APR													
01...	1.4	83	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007
SEP													
18...	1.4	130	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007

02217471 BEECH CREEK AT GA 211, NEAR STATHAM, GA---continued.

Date	Azinphos-methyl oxon, water, fltrd, ug/L (61635)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)
APR													
01...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.04	<.005
SEP													
18...	<.03	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005

Date	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)
APR													
01...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
SEP													
18...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002

Date	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methidathion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)
APR													
01...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	E.004	<.006	<.008
SEP													
18...	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	E.005t	<.006	<.008

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)
APR													
01...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	.005	<.02	<.07	<.02	<.01
SEP													
18...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005	<.02	<.07	<.02	<.01

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
APR						
01...	<.009	<.01	75	17	15.00	3045
SEP						
18...	<.009	<.01	76	7	15.00	3045

02217471 BEECH CREEK AT GA 211, NEAR STATHAM, GA---continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
APR								
29...	1030	D	25.1	E97	E122.2	6.0	18.9	280

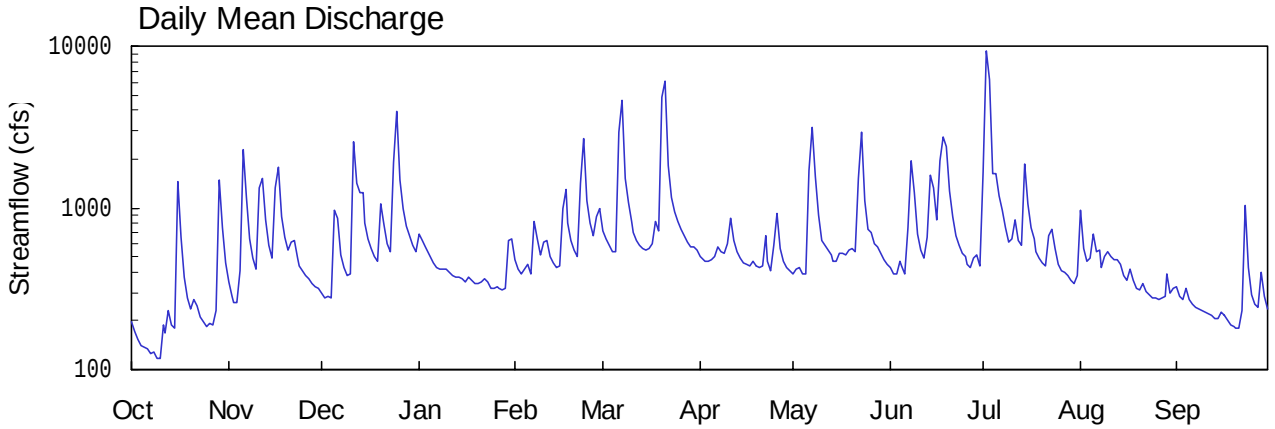
Remark codes used in this report:
   < -- Less than
   E -- Estimated value

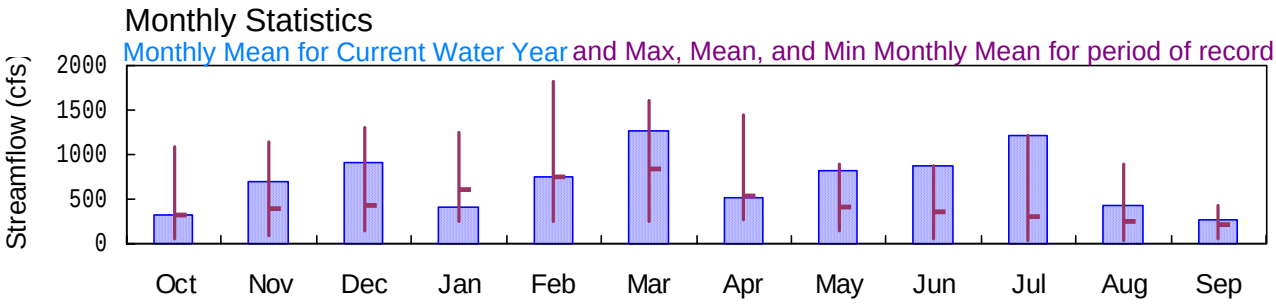
Value qualifier codes used in this report:
   t -- Below the long-term MDL

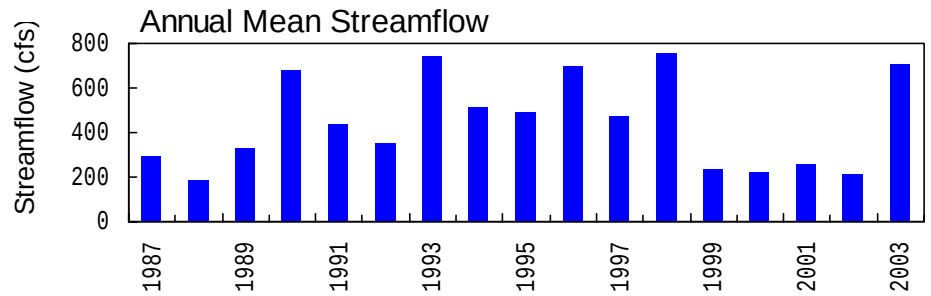
2003 Water Year

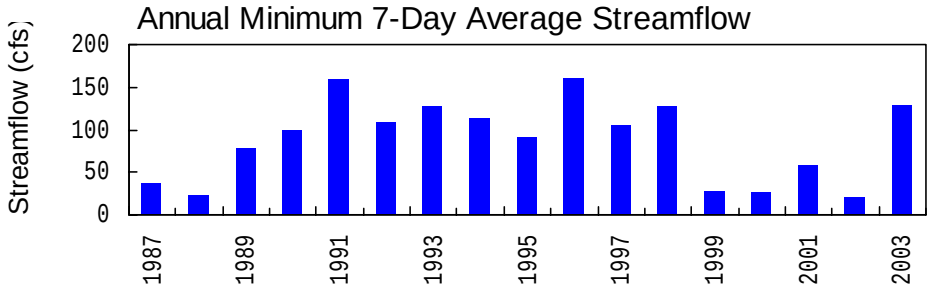
02217475 MIDDLE OCONEE RIVER NEAR ARCADE, GA

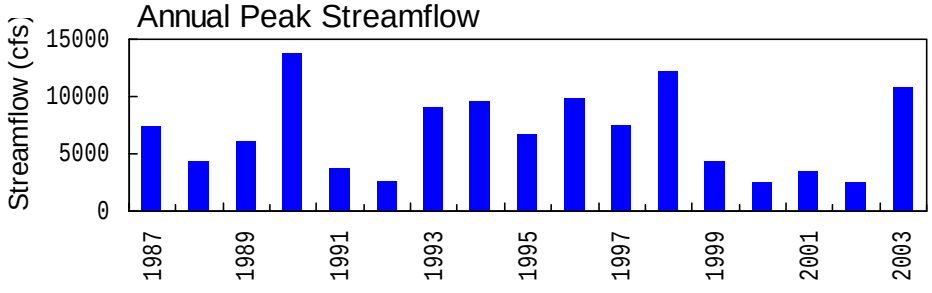
Latitude: 34°01'54" Longitude: 083°33'48" Hydrologic Unit Code: 03070101 Jackson County
Drainage Area: 332 mi^2 Datum: 656.5 feet

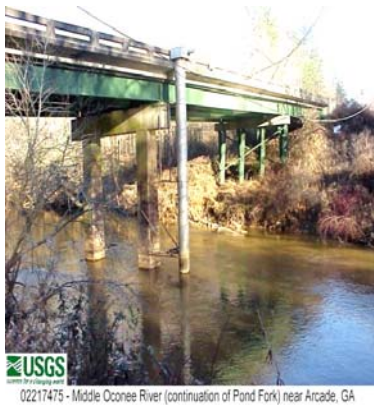












ALTAMAHA RIVER BASIN
2003 Water Year

02217475 MIDDLE OCONEE RIVER NEAR ARCADE, GA

LOCATION.—Lat 34°01'54", long 83°33'48" referenced to North American Datum (NAD) of 1983, Jackson-Barrow County line, Hydrologic Unit 03070101, on downstream side of bridge on GA 82, 1.7 miles downstream from Mulberry River, 3.6 miles upstream from Redstone Creek, and 3.2 miles south of Arcade.

DRAINAGE AREA.—332 square miles.

COOPERATION.—Oglethorpe Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 1987 to current year.

REVISED RECORDS.—WDR GA-96-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 656.52 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good, except for the periods of estimated discharge which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 3,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
12/25	1245	4,800	15.91
02/23	0545	3,610	13.53
03/07	0500	6,260	18.08
03/21	1045	7,510	19.74
06/18	0415	3,560	13.43
07/02	1730	10,800*	23.57*

02217475 MIDDLE OCONEE RIVER NEAR ARCADE, GA —continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 1987 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 656.52 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 23.57 feet, July 2; minimum gage-height recorded, 2.20 feet, October 10.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217475 MIDDLE OCONEE RIVER NEAR ARCADE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 157
LATITUDE 340154 LONGITUDE 0833348 NAD83 DRAINAGE AREA 332 CONTRIBUTING DRAINAGE AREA 332* DATUM 656.52 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	197	344	296	686	474	721	500	388	e427	1650	974	e324
2	173	287	280	635	419	646	485	422	e392	9300	558	e286
3	155	257	283	577	391	581	470	427	e388	6260	465	273
4	141	259	278	523	422	542	465	393	e468	1620	494	318
5	136	410	977	479	444	541	480	e391	e433	1630	687	273
6	134	2290	867	455	388	2920	500	e1690	e393	1180	530	251
7	126	1160	510	431	828	4620	571	e3130	e746	973	554	241
8	129	638	423	421	649	1520	535	e1570	e1930	755	429	238
9	117	485	379	418	509	1080	528	e893	e1240	619	500	233
10	118	419	394	422	608	827	594	e631	684	637	536	224
11	188	1330	2540	402	624	699	865	e585	550	846	500	220
12	169	1510	1430	379	505	624	625	e543	494	635	478	215
13	232	840	1230	370	454	584	536	e512	659	593	479	209
14	190	588	1240	373	432	562	493	e470	1580	1880	448	206
15	181	485	812	361	432	547	461	e472	1340	1050	383	227
16	1470	1320	647	351	994	558	444	e525	843	748	354	217
17	658	1770	558	374	1300	597	432	e519	1960	638	414	200
18	369	877	506	355	800	828	464	e507	2770	537	356	191
19	276	653	471	344	623	720	439	e553	2370	488	321	186
20	237	553	1050	339	544	4810	427	e556	1260	455	311	182
21	268	608	791	346	498	6130	437	e530	877	432	341	179
22	248	630	595	365	1430	1820	677	e1530	676	673	306	230
23	210	486	535	351	2710	1160	466	e2950	581	736	291	1030
24	196	435	1920	319	1120	953	408	e1100	525	560	278	429
25	186	404	3930	319	798	816	586	e734	497	447	277	291
26	194	378	1480	323	672	733	914	e704	444	409	274	253
27	187	362	986	320	874	667	566	e594	426	400	e281	244
28	232	339	779	312	993	620	466	e574	486	382	e283	395
29	1470	323	666	321	---	579	426	e520	511	357	e387	287
30	746	317	592	626	---	575	406	e478	438	344	e294	235
31	461	---	541	642	---	546	---	e449	---	379	e316	---
TOTAL	9794	20757	27986	12939	20935	39126	15666	25340	26388	37613	13099	8287
MEAN	316	692	903	417	748	1262	522	817	880	1213	423	276
MAX	1470	2290	3930	686	2710	6130	914	3130	2770	9300	974	1030
MIN	117	257	278	312	388	541	406	388	388	344	274	179
CFSM	0.95	2.08	2.72	1.26	2.25	3.80	1.57	2.46	2.65	3.65	1.27	0.83
IN.	1.10	2.33	3.14	1.45	2.35	4.38	1.76	2.84	2.96	4.21	1.47	0.93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2003, BY WATER YEAR (WY)

MEAN	330	391	435	613	753	842	539	403	361	299	249	217
MAX	1083	1141	1300	1244	1830	1600	1438	891	880	1213	900	436
(WY)	1996	1993	1993	1993	1998	1990	1998	1998	2003	2003	1994	1997
MIN	51.7	96.7	145	247	255	248	261	142	53.8	32.9	32.4	50.8
(WY)	1988	2002	2002	1989	1989	1988	1999	1988	1988	1988	2002	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1987 - 2003	
ANNUAL TOTAL	127618		257930			
ANNUAL MEAN	350		707		456	
HIGHEST ANNUAL MEAN					755	1998
LOWEST ANNUAL MEAN					185	1988
HIGHEST DAILY MEAN	3930	Dec 25	9300	Jul 2	10600	Mar 18 1990
LOWEST DAILY MEAN	19	Aug 13	117	Oct 9	16	Jul 20 1988
ANNUAL SEVEN-DAY MINIMUM	21	Aug 8	129	Oct 4	21	Aug 8 2002
MAXIMUM PEAK FLOW			10800	Jul 2	13800	Mar 18 1990
MAXIMUM PEAK STAGE			23.57	Jul 2	25.34	Mar 18 1990
INSTANTANEOUS LOW FLOW			112	Oct 10	18	Aug 13 2002
ANNUAL RUNOFF (CFSM)	1.05		2.13		1.37	
ANNUAL RUNOFF (INCHES)	14.30		28.90		18.65	
10 PERCENT EXCEEDS	790		1320		867	
50 PERCENT EXCEEDS	228		494		290	
90 PERCENT EXCEEDS	36		236		100	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217475 MIDDLE OCONEE RIVER NEAR ARCADE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 157
LATITUDE 340154 LONGITUDE 0833348 NAD83 DRAINAGE AREA 332 CONTRIBUTING DRAINAGE AREA 332* DATUM 656.52 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.76	3.48	3.27	4.75	3.99	4.87	4.10	3.64	---	7.57	5.65	---
2	2.62	3.23	3.19	4.59	3.77	4.63	4.04	3.78	---	21.80	4.32	---
3	2.50	3.08	3.21	4.39	3.65	4.40	3.98	3.80	---	17.61	3.96	3.07
4	2.41	3.09	3.19	4.19	3.78	4.26	3.96	3.66	---	7.77	4.07	3.30
5	2.37	3.67	5.61	4.02	3.87	4.25	4.02	---	---	7.80	4.73	3.08
6	2.36	10.04	5.32	3.92	3.63	11.10	4.10	---	---	6.30	4.21	2.95
7	2.30	6.27	4.14	3.82	5.18	15.19	4.36	---	---	5.64	4.30	2.90
8	2.32	4.59	3.81	3.78	4.63	7.42	4.23	---	---	4.98	3.81	2.88
9	2.23	4.04	3.63	3.76	4.13	5.97	4.21	---	---	4.53	4.08	2.85
10	2.24	3.79	3.68	3.78	4.48	5.20	4.44	---	4.75	4.59	4.23	2.80
11	2.71	6.85	10.72	3.69	4.55	4.80	5.31	---	4.29	5.25	4.09	2.77
12	2.59	7.41	7.16	3.59	4.12	4.55	4.55	---	4.08	4.59	4.01	2.75
13	2.90	5.24	6.47	3.55	3.91	4.41	4.23	---	4.63	4.44	4.01	2.71
14	2.71	4.42	6.50	3.57	3.82	4.33	4.07	---	7.61	8.67	3.89	2.69
15	2.64	4.04	5.15	3.51	3.83	4.28	3.94	---	6.83	5.89	3.61	2.82
16	7.28	6.80	4.63	3.46	5.69	4.32	3.88	---	5.25	4.96	3.48	2.76
17	4.64	8.30	4.32	3.57	6.70	4.45	3.83	---	8.86	4.60	3.74	2.66
18	3.58	5.35	4.12	3.48	5.12	5.20	3.95	---	11.36	4.24	3.49	2.60
19	3.17	4.65	3.99	3.43	4.55	4.87	3.85	---	10.23	4.05	3.32	2.56
20	2.98	4.30	5.88	3.41	4.26	14.55	3.80	---	6.58	3.92	3.27	2.54
21	3.14	4.48	5.09	3.44	4.09	17.73	3.85	---	5.35	3.82	3.42	2.52
22	3.03	4.57	4.45	3.53	7.16	8.41	4.70	---	4.73	4.71	3.25	2.79
23	2.84	4.04	4.23	3.47	11.06	6.22	3.96	---	4.40	4.92	3.17	5.85
24	2.75	3.85	8.63	3.31	6.10	5.58	3.72	---	4.19	4.32	3.10	3.79
25	2.70	3.73	14.14	3.31	5.11	5.17	4.37	---	4.09	3.89	3.10	3.17
26	2.74	3.63	7.31	3.33	4.71	4.91	5.46	---	3.87	3.72	3.08	2.97
27	2.70	3.56	5.68	3.32	5.34	4.70	4.34	---	3.80	3.69	---	2.91
28	2.90	3.46	5.05	3.28	5.71	4.54	3.96	---	4.04	3.61	---	3.66
29	7.28	3.39	4.69	3.32	---	4.39	3.80	---	4.14	3.49	---	3.14
30	4.94	3.37	4.44	4.51	---	4.38	3.71	---	3.85	3.43	---	2.87
31	3.95	---	4.25	4.60	---	4.27	---	---	---	3.59	---	---
MEAN	3.17	4.69	5.35	3.73	4.89	6.24	4.16	---	---	5.88	---	---
MAX	7.28	10.04	14.14	4.75	11.06	17.73	5.46	---	---	21.80	---	---
MIN	2.23	3.08	3.19	3.28	3.63	4.25	3.71	---	---	3.43	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217475 MIDDLE OCONEE RIVER NEAR ARCADE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 157
LATITUDE 340154 LONGITUDE 0833348 NAD83 DRAINAGE AREA 332 CONTRIBUTING DRAINAGE AREA 332* DATUM 656.52 NGVD29

APPROVED

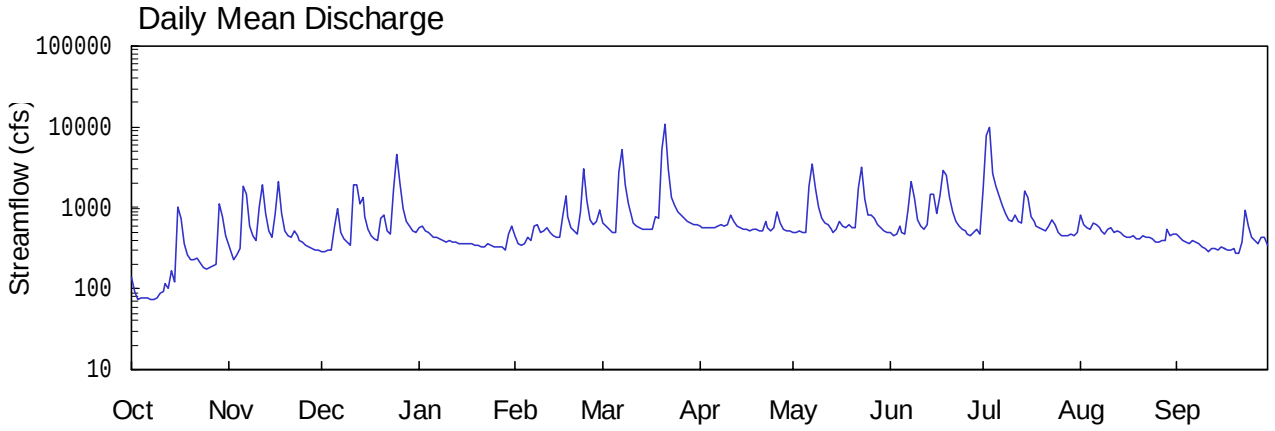
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

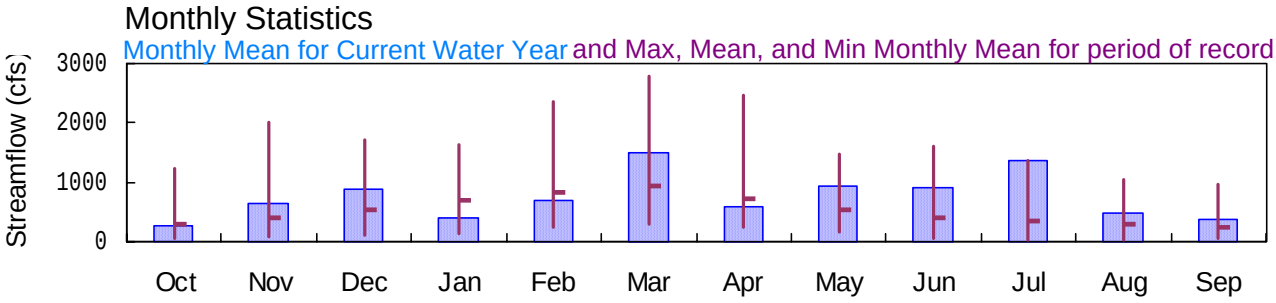
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.00	0.00	0.24	0.00	0.03	0.00	0.06	0.00	4.05	0.00	---
2	0.00	0.00	0.00	0.06	0.00	0.01	0.00	0.12	0.00	0.09	0.00	---
3	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.01	0.52	0.00	0.51	0.00
4	0.02	0.11	0.14	0.00	0.13	0.03	0.00	0.00	0.51	0.05	0.21	0.00
5	0.00	1.76	0.72	0.00	0.00	1.02	0.14	1.75	0.00	0.30	0.00	0.00
6	0.00	0.02	0.00	0.00	0.79	1.07	0.04	1.39	1.32	0.03	0.03	0.00
7	0.10	0.00	0.00	0.00	0.08	0.00	0.19	0.31	0.86	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.04	0.00
9	0.00	0.04	0.00	0.10	0.09	0.00	0.13	0.00	0.00	0.00	0.04	0.00
10	0.66	0.06	1.25	0.00	0.43	0.00	0.69	0.00	0.00	1.04	1.05	0.00
11	0.01	2.13	0.04	0.00	0.00	0.00	0.02	0.13	0.01	0.02	0.00	0.00
12	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.02	0.41	0.00
13	0.21	0.01	0.98	0.00	0.00	0.00	0.00	0.00	0.60	1.57	0.03	0.00
14	0.07	0.00	0.01	0.00	0.04	0.01	0.00	0.00	0.58	0.01	0.00	0.03
15	1.90	0.12	0.00	0.00	0.00	0.46	0.00	0.71	0.00	0.00	0.00	0.00
16	0.07	1.23	0.00	0.08	1.31	0.00	0.00	0.00	0.10	0.34	0.17	0.00
17	0.00	0.00	0.00	0.05	0.01	0.98	0.12	0.00	0.44	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.10	0.02	0.36	0.33	0.00	0.00	0.00
19	0.00	0.05	0.75	0.00	0.00	1.88	0.00	0.01	0.01	0.00	0.07	0.00
20	0.27	0.14	0.20	0.00	0.00	1.21	0.01	0.10	0.00	0.00	0.02	0.00
21	0.01	0.04	0.00	0.11	0.16	0.01	0.27	0.49	0.00	0.38	0.00	0.02
22	0.00	0.00	0.01	0.04	1.21	0.00	0.00	1.54	0.00	0.38	0.00	2.39
23	0.01	0.00	0.04	0.00	0.01	0.00	0.00	0.03	0.00	0.48	0.00	0.00
24	0.00	0.00	1.95	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
25	0.17	0.00	0.02	0.00	0.00	0.00	0.67	0.60	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.30	0.15	0.01	0.03	0.00	0.05	0.00	0.00
27	0.00	0.00	0.00	0.00	0.46	0.01	0.00	0.00	0.00	0.04	---	0.67
28	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	---	0.01
29	0.23	0.00	0.00	0.55	---	0.00	1.24	0.00	0.00	0.00	---	0.00
30	0.03	0.00	0.00	0.72	---	0.19	0.01	0.00	0.17	0.00	---	0.00
31	0.00	---	0.52	0.01	---	0.00	---	0.00	---	0.91	---	---
TOTAL	---	6.20	6.63	1.96	5.02	7.16	3.93	7.64	6.09	9.76	---	---

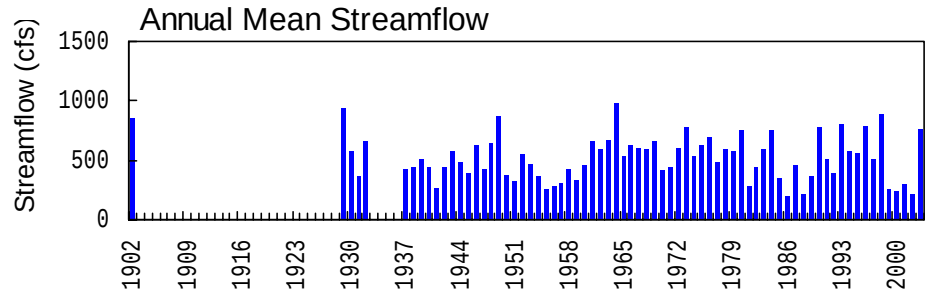
2003 Water Year

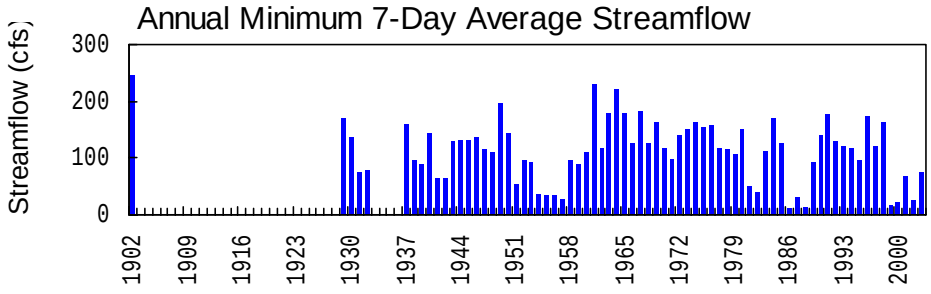
02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA

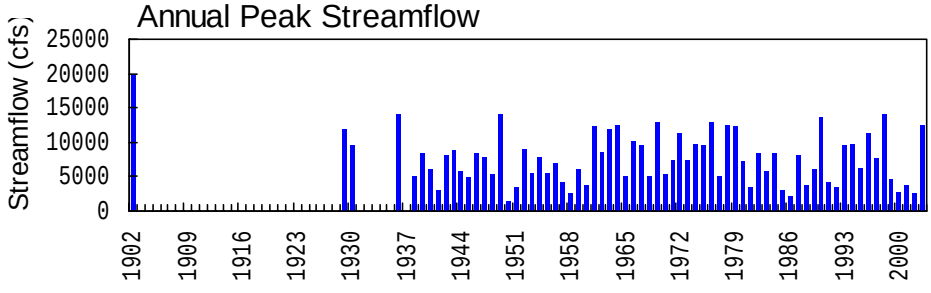
Latitude: 33°56'48" Longitude: 083°25'22" Hydrologic Unit Code: 03070101 Clarke County
Drainage Area: 398.0 mi² Datum: 555.6 feet

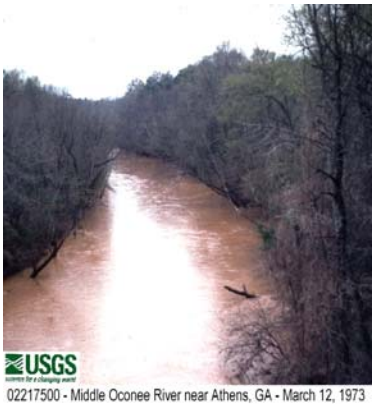












02217500 - Middle Oconee River near Athens, GA - March 12, 1973

ALTAMAHA RIVER BASIN
2003 Water Year

02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA

LOCATION.—Lat 33°56'48", long 83°25'22" (revised) referenced to North American Datum (NAD) of 1983, Clarke County, Hydrologic Unit 03070101, on left bank 0.5 miles upstream from US 78 and US 29 Business, 2.0 miles west of Athens, and 5.0 miles upstream from Barber Creek.

DRAINAGE AREA.—398 square miles.

COOPERATION.—Upper Oconee Water Authority.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1901 to September 1902, January 1929 to March 1932, May 1937 to current year.

REVISED RECORDS.—WDR GA-95-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 555.66 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 11, 1901 to October 25, 1902, a non-recording gage was located at site 1.0 mile upstream at different datum. From January 16, 1929 to March 15, 1932, and from April 29, 1937 to September 30, 1940, a water-stage recorder was located at a site 4.0 miles downstream at different datum.

REMARKS.—Records good.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 3,800 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
12/25	1600	5,100	11.20
03/07	1400	5,890	12.41
03/21	0730	12,500*	19.75*
05/23	0745	3,820	9.17
07/03	0415	12,200	19.40

02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1901 to September 1902, January 1929 to March 1932, May 1937 to current year.

REVISED RECORDS.—WDR GA-95-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 555.66 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 11, 1901 to October 25, 1902, a non-recording gage was located at site 1.0 mile upstream at different datum. From January 16, 1929 to March 15, 1932, and from April 29, 1937 to September 30, 1940, a water-stage recorder was located at a site 4.0 miles downstream at different datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 19.75 feet, March 21; minimum gage-height recorded, 0.75 feet, October 8.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 2, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 059
LATITUDE 335648 LONGITUDE 0832522 NAD83 DRAINAGE AREA 398.00* CONTRIBUTING DRAINAGE AREA DATUM 555.66 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	139	346	287	574	447	660	586	490	491	1650	823	475
2	92	259	283	586	364	585	572	494	462	7740	627	424
3	74	230	300	514	338	538	563	522	482	10100	569	402
4	77	259	299	493	366	496	557	503	588	2630	553	378
5	76	310	573	459	427	486	558	493	502	1840	644	365
6	76	1890	1000	441	394	2720	579	1830	469	1380	612	389
7	74	1480	488	423	595	5300	600	3470	942	1090	579	383
8	72	583	416	413	631	1960	610	1770	2100	866	508	358
9	77	453	369	401	487	1140	589	1040	1330	707	475	331
10	88	397	342	384	507	787	623	759	699	673	552	316
11	92	1020	1930	390	573	654	800	646	583	831	560	287
12	115	1910	1900	383	485	593	691	616	530	695	503	313
13	101	856	1120	371	450	556	605	552	614	638	512	308
14	165	521	1350	368	429	531	571	505	1490	1590	493	302
15	120	438	765	362	428	533	552	538	1500	1330	451	334
16	1010	848	551	355	807	544	531	685	836	764	423	321
17	746	2070	451	364	1430	544	524	581	1400	678	440	301
18	368	871	415	362	777	784	530	568	2970	599	452	304
19	261	530	396	347	576	753	536	620	2540	560	410	308
20	226	454	759	343	508	5250	526	571	1360	538	413	274
21	226	427	810	325	473	10700	525	579	898	508	451	272
22	238	510	529	330	901	3080	672	1800	693	599	441	377
23	205	446	482	364	3090	1360	579	3230	581	725	425	937
24	179	403	1650	339	1230	1060	515	1260	540	609	410	595
25	172	380	4490	325	726	883	556	826	508	495	385	436
26	182	346	2020	333	607	799	881	800	475	457	384	386
27	187	333	995	328	666	737	651	738	453	444	390	368
28	204	319	695	322	934	681	541	619	502	445	391	437
29	1130	304	583	306	---	646	513	558	539	463	534	428
30	764	300	527	470	---	629	516	524	479	451	449	339
31	455	---	502	597	---	626	---	504	---	485	468	---
TOTAL	7991	19493	27277	12372	19646	46615	17652	28691	27556	42580	15327	11448
MEAN	258	650	880	399	702	1504	588	926	919	1374	494	382
MAX	1130	2070	4490	597	3090	10700	881	3470	2970	10100	823	937
MIN	72	230	283	306	338	486	513	490	453	444	384	272
CFSM	0.65	1.63	2.21	1.00	1.76	3.78	1.48	2.33	2.31	3.45	1.24	0.96
IN.	0.75	1.82	2.55	1.16	1.84	4.36	1.65	2.68	2.58	3.98	1.43	1.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 2003, BY WATER YEAR (WY)

MEAN	304	402	534	709	822	947	730	541	407	341	299	245
MAX	1223	2002	1709	1624	2366	2779	2458	1475	1611	1374	1056	978
(WY)	1996	1949	1984	1972	1902	1929	1964	1976	1963	2003	1994	1929
MIN	42.3	93.1	118	140	251	285	233	162	63.6	25.3	36.4	44.6
(WY)	1955	2002	2002	1956	1986	1988	1986	1988	1988	1986	2002	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1902 - 2003	
ANNUAL TOTAL	123039		276648			
ANNUAL MEAN	337		758		517	
HIGHEST ANNUAL MEAN					977	1964
LOWEST ANNUAL MEAN					202	1986
HIGHEST DAILY MEAN	4490	Dec 25	10700	Mar 21	19600	Feb 28 1902
LOWEST DAILY MEAN	19	Sep 12	72	Oct 8	8.2	Aug 8 1986
ANNUAL SEVEN-DAY MINIMUM	24	Aug 10	75	Oct 3	12	Jul 17 1986
MAXIMUM PEAK FLOW			12500	Mar 21	19600	Feb 28 1902
MAXIMUM PEAK STAGE			19.75	Mar 21	25.50	Feb 28 1902
INSTANTANEOUS LOW FLOW			60	Oct 8	17	Sep 13 2002
ANNUAL RUNOFF (CFSM)	0.85		1.90		1.30	
ANNUAL RUNOFF (INCHES)	11.50		25.86		17.65	
10 PERCENT EXCEEDS	751		1360		909	
50 PERCENT EXCEEDS	226		524		345	
90 PERCENT EXCEEDS	46		301		140	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 059
LATITUDE 335648 LONGITUDE 0832522 NAD83 DRAINAGE AREA 398.00* CONTRIBUTING DRAINAGE AREA DATUM 555.66 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.10	1.63	1.49	2.14	1.86	2.31	2.04	1.81	1.81	4.26	2.52	1.77
2	0.92	1.43	1.48	2.17	1.67	2.17	2.01	1.82	1.74	14.65	2.13	1.65
3	0.83	1.36	1.52	2.02	1.61	2.07	1.99	1.89	1.79	17.21	2.00	1.60
4	0.84	1.43	1.52	1.97	1.67	1.98	1.97	1.84	2.05	6.63	1.97	1.54
5	0.84	1.55	2.09	1.89	1.82	1.96	1.97	1.81	1.84	4.95	2.16	1.51
6	0.84	5.14	2.98	1.85	1.74	6.79	2.02	4.91	1.76	3.75	2.10	1.56
7	0.83	4.10	1.96	1.81	2.17	11.50	2.07	8.54	2.77	3.07	2.02	1.55
8	0.82	2.16	1.79	1.78	2.25	5.18	2.10	4.74	5.59	2.63	1.85	1.49
9	0.85	1.88	1.68	1.75	1.96	3.18	2.04	2.97	3.72	2.30	1.77	1.43
10	0.90	1.74	1.62	1.71	2.00	2.54	2.12	2.41	2.29	2.23	1.96	1.40
11	0.92	3.11	5.21	1.73	2.14	2.30	2.50	2.18	2.03	2.56	1.98	1.33
12	1.02	5.11	5.05	1.71	1.95	2.18	2.27	2.11	1.91	2.28	1.84	1.39
13	0.95	2.66	3.17	1.68	1.87	2.11	2.08	1.96	2.09	2.16	1.86	1.38
14	1.18	2.03	3.68	1.68	1.82	2.06	2.01	1.85	4.07	4.36	1.81	1.37
15	1.02	1.84	2.50	1.66	1.82	2.06	1.96	1.92	4.07	3.70	1.72	1.44
16	3.05	2.73	2.09	1.65	2.60	2.08	1.91	2.26	2.57	2.42	1.65	1.41
17	2.46	5.54	1.88	1.67	3.89	2.08	1.89	2.03	3.91	2.24	1.69	1.37
18	1.68	2.69	1.79	1.66	2.52	2.54	1.91	2.00	7.54	2.07	1.72	1.37
19	1.44	2.05	1.74	1.63	2.15	2.50	1.92	2.12	6.68	1.98	1.62	1.38
20	1.35	1.88	2.48	1.62	2.01	11.02	1.89	2.01	3.72	1.93	1.62	1.31
21	1.35	1.82	2.58	1.58	1.93	17.91	1.89	2.02	2.69	1.85	1.72	1.30
22	1.38	2.01	2.05	1.59	2.87	7.38	2.22	4.84	2.27	2.06	1.69	1.54
23	1.30	1.86	1.95	1.67	7.77	3.69	2.02	8.02	2.03	2.34	1.65	2.77
24	1.22	1.76	4.54	1.61	3.43	3.01	1.87	3.49	1.93	2.09	1.62	2.06
25	1.21	1.70	10.24	1.58	2.43	2.66	1.97	2.55	1.86	1.82	1.55	1.70
26	1.24	1.63	5.29	1.60	2.21	2.50	2.66	2.50	1.77	1.73	1.55	1.58
27	1.25	1.60	2.91	1.59	2.32	2.37	2.18	2.37	1.72	1.70	1.57	1.55
28	1.29	1.57	2.38	1.58	2.79	2.25	1.94	2.11	1.84	1.70	1.57	1.73
29	3.30	1.53	2.16	1.54	---	2.18	1.86	1.97	1.93	1.74	1.91	1.72
30	2.49	1.52	2.05	1.91	---	2.14	1.87	1.89	1.78	1.72	1.71	1.52
31	1.88	---	1.99	2.19	---	2.13	---	1.84	---	1.80	1.76	---
MEAN	1.35	2.30	2.77	1.75	2.40	3.83	2.04	2.80	2.79	3.48	1.82	1.56
MAX	3.30	5.54	10.24	2.19	7.77	17.91	2.66	8.54	7.54	17.21	2.52	2.77
MIN	0.82	1.36	1.48	1.54	1.61	1.96	1.86	1.81	1.72	1.70	1.55	1.30

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 059
LATITUDE 335648 LONGITUDE 0832522 NAD83 DRAINAGE AREA 398.00* CONTRIBUTING DRAINAGE AREA DATUM 555.66 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

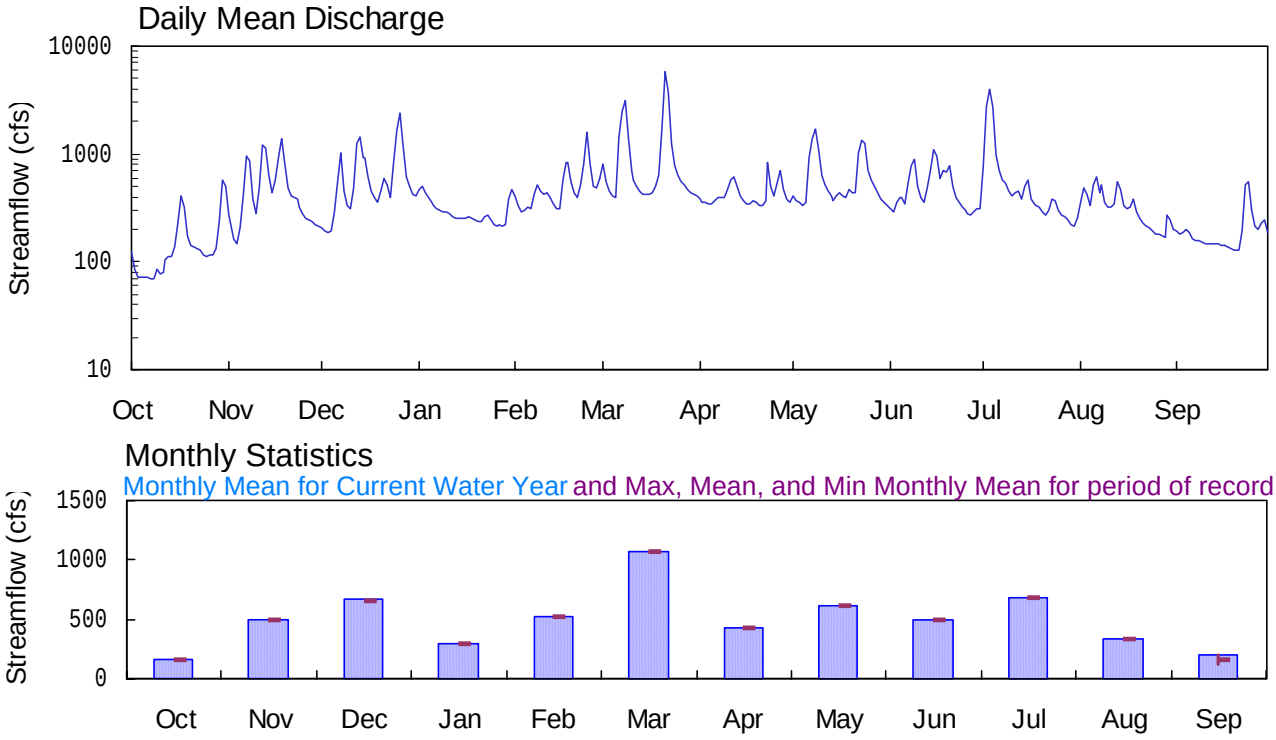
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01	0.00	0.00	0.11	0.00	0.05	0.00	---	0.00	4.33	0.00	0.00
2	0.00	0.00	0.00	0.05	0.00	0.01	0.00	---	0.00	0.00	0.00	0.16
3	0.00	0.12	0.00	0.00	0.00	0.00	0.00	---	0.75	0.00	0.63	0.00
4	0.00	0.09	0.03	0.00	0.26	0.02	0.00	---	0.01	0.45	0.00	0.00
5	0.00	1.26	0.67	0.00	0.00	1.43	0.08	---	0.00	0.84	---	0.00
6	0.00	0.02	0.00	0.00	0.76	1.29	0.02	---	0.45	0.00	---	0.00
7	0.01	0.00	0.00	0.00	0.12	0.02	0.32	---	0.86	0.00	---	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.20	---	0.04	0.47	0.00	0.00
9	0.00	0.05	0.00	0.12	0.02	0.00	0.11	---	0.01	0.00	0.01	0.00
10	0.02	0.01	1.10	0.01	0.52	0.00	0.55	---	0.00	0.17	0.00	0.00
11	0.00	1.63	0.04	0.00	0.00	0.00	0.02	---	0.20	0.02	0.26	0.00
12	0.00	0.84	0.00	0.00	0.00	0.00	0.00	---	0.04	0.00	0.34	0.00
13	0.23	0.00	1.03	0.00	0.00	0.00	0.00	---	1.23	0.90	0.04	0.00
14	0.08	0.00	0.00	0.00	0.03	0.02	0.00	---	0.56	0.00	0.00	0.00
15	1.11	0.05	0.00	0.00	0.00	0.39	0.00	---	0.00	0.00	0.00	0.00
16	0.04	1.42	0.00	0.15	1.83	0.00	0.00	---	1.31	0.01	0.03	0.00
17	0.00	0.00	0.00	0.00	0.00	0.68	0.57	0.00	0.16	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.07	0.01	0.34	0.05	0.00	0.00	0.00
19	0.00	0.01	0.53	0.00	0.00	1.78	0.00	0.00	0.00	0.00	0.00	0.00
20	0.33	0.00	0.16	0.00	0.01	0.60	0.00	0.00	0.00	0.08	0.00	0.00
21	0.01	0.01	0.00	0.10	0.14	0.00	0.01	0.30	0.00	0.12	0.00	0.01
22	0.00	0.00	0.00	0.09	0.87	0.00	0.00	1.51	0.00	0.63	0.00	1.49
23	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.01
24	0.00	0.00	1.89	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
25	0.04	0.00	0.02	0.00	0.00	0.00	0.56	0.15	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.27	0.44	0.00	0.06	0.00	0.04	0.00	0.00
27	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.29
28	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.01
29	0.10	0.00	0.00	0.53	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.02	0.00	0.00	1.19	---	0.18	0.00	0.00	0.73	0.03	0.09	0.00
31	0.00	---	0.71	0.00	---	0.00	---	0.00	---	1.11	0.00	---
TOTAL	2.95	5.51	6.20	2.35	5.16	6.98	2.47	---	6.77	9.62	---	1.97

2003 Water Year

02217770 NORTH OCONEE RIVER AT COLLEGE ST, AT ATHENS, GA

Latitude: 33°58'11" Longitude: 083°22'39" Hydrologic Unit Code: 03070101 Clarke County

Drainage Area: 264.1 mi^2 Datum: 600.0 feet



NO PHOTOS AVAILABLE FOR THIS SITE

ALTAMAHA RIVER BASIN
2002 and 2003 Water Years

02217770 NORTH OCONEE RIVER AT COLLEGE STREET, NEAR ATHENS, GA

LOCATION.—Lat 33°58'11", long 83°22'39" referenced to North American Datum (NAD) of 1927, Clarke County, Hydrologic Unit 03070101, at bridge on College Street, 0.4 miles downstream from GA Loop 10.

DRAINAGE AREA.—264 square miles.

COOPERATION.—Athens-Clarke County Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 10, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 600.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for periods of estimated discharge, which are fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 10, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 600.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR 2002 WATER YEAR.—Maximum gage-height recorded, 6.40 feet, September 14, 2002; minimum gage-height recorded, 2.05 feet, September 13, 2002.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 16.86 feet, March 21; minimum gage-height recorded, 3.87 feet, October 10.

PRECIPITATION RECORDS

PERIOD OF RECORD.—August 10, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217770 NORTH OCONEE RIVER AT COLLEGE ST, AT ATHENS, GA SOURCE AGENCY USGS STATE 13 COUNTY 059
LATITUDE 335811 LONGITUDE 0832239 NAD27 DRAINAGE AREA 264.10* CONTRIBUTING DRAINAGE AREA DATUM

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	21
2	---	---	---	---	---	---	---	---	---	---	---	23
3	---	---	---	---	---	---	---	---	---	---	---	22
4	---	---	---	---	---	---	---	---	---	---	---	16
5	---	---	---	---	---	---	---	---	---	---	---	16
6	---	---	---	---	---	---	---	---	---	---	---	14
7	---	---	---	---	---	---	---	---	---	---	---	9.7
8	---	---	---	---	---	---	---	---	---	---	---	6.8
9	---	---	---	---	---	---	---	---	---	---	---	5.3
10	---	---	---	---	---	---	---	---	---	---	17	3.2
11	---	---	---	---	---	---	---	---	---	---	16	2.8
12	---	---	---	---	---	---	---	---	---	---	14	2.3
13	---	---	---	---	---	---	---	---	---	---	12	8.7
14	---	---	---	---	---	---	---	---	---	---	11	188
15	---	---	---	---	---	---	---	---	---	---	11	267
16	---	---	---	---	---	---	---	---	---	---	9.3	319
17	---	---	---	---	---	---	---	---	---	---	11	260
18	---	---	---	---	---	---	---	---	---	---	11	298
19	---	---	---	---	---	---	---	---	---	---	15	233
20	---	---	---	---	---	---	---	---	---	---	15	178
21	---	---	---	---	---	---	---	---	---	---	17	131
22	---	---	---	---	---	---	---	---	---	---	15	150
23	---	---	---	---	---	---	---	---	---	---	12	178
24	---	---	---	---	---	---	---	---	---	---	8.6	113
25	---	---	---	---	---	---	---	---	---	---	7.9	108
26	---	---	---	---	---	---	---	---	---	---	7.6	155
27	---	---	---	---	---	---	---	---	---	---	8.9	254
28	---	---	---	---	---	---	---	---	---	---	14	344
29	---	---	---	---	---	---	---	---	---	---	29	272
30	---	---	---	---	---	---	---	---	---	---	24	172
31	---	---	---	---	---	---	---	---	---	---	21	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	3770.8
MEAN	---	---	---	---	---	---	---	---	---	---	---	126
MAX	---	---	---	---	---	---	---	---	---	---	---	344
MIN	---	---	---	---	---	---	---	---	---	---	---	2.3
MED	---	---	---	---	---	---	---	---	---	---	---	122
AC-FT	---	---	---	---	---	---	---	---	---	---	---	7480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2002, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	---	---	---	---	126
MAX	---	---	---	---	---	---	---	---	---	---	---	126
(WY)	---	---	---	---	---	---	---	---	---	---	---	2002
MIN	---	---	---	---	---	---	---	---	---	---	---	126
(WY)	---	---	---	---	---	---	---	---	---	---	---	2002

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217770 NORTH OCONEE RIVER AT COLLEGE ST, AT ATHENS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 059
LATITUDE 335811 LONGITUDE 0832239 NAD27 DRAINAGE AREA 264.10* CONTRIBUTING DRAINAGE AREA DATUM

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e125	269	210	470	405	806	380	414	311	746	351	196
2	e85	193	191	499	332	554	358	363	294	2700	486	183
3	e71	166	189	436	294	449	351	359	358	4040	426	190
4	e73	146	191	392	301	406	341	336	388	2750	337	199
5	e72	207	288	360	321	399	347	352	393	995	525	187
6	e72	415	564	333	316	1420	364	929	343	698	617	162
7	e71	946	1020	311	424	2510	396	1370	531	568	432	155
8	e70	878	459	296	525	3160	389	1700	780	534	522	157
9	84	376	334	290	446	1370	398	1110	907	445	355	151
10	76	280	312	290	425	706	462	642	507	412	316	148
11	81	487	489	279	439	570	574	515	396	439	319	145
12	104	1220	1240	266	392	496	617	451	357	456	342	146
13	111	1140	1420	253	339	456	501	409	487	386	551	146
14	113	642	938	256	310	426	409	372	709	504	464	146
15	138	436	926	251	313	426	e370	403	1090	569	337	141
16	231	567	613	251	582	421	e345	432	942	376	310	143
17	407	912	455	260	827	437	343	414	593	345	325	137
18	326	1400	389	257	830	501	367	392	696	328	378	132
19	172	793	355	244	558	634	351	468	686	319	294	127
20	142	482	458	239	439	1730	335	438	777	290	249	128
21	139	409	603	238	399	5880	329	431	492	270	226	128
22	133	394	520	266	518	3780	368	1010	395	302	217	192
23	127	379	397	269	814	1240	826	1370	354	386	209	510
24	115	317	830	243	1590	788	500	1270	325	366	196	555
25	110	278	1660	219	798	644	412	699	301	304	183	297
26	116	257	2400	217	495	563	545	576	285	274	180	214
27	116	247	1160	218	487	523	692	502	274	264	174	200
28	133	234	614	215	603	462	468	438	289	247	167	229
29	237	222	494	223	---	432	383	386	310	225	269	243
30	567	214	428	383	---	421	360	358	306	214	244	187
31	493	---	402	460	---	404	---	330	---	257	200	---
TOTAL	4910	14906	20549	9184	14522	33014	12881	19239	14876	21009	10201	5874
MEAN	158	497	663	296	519	1065	429	621	496	678	329	196
MAX	567	1400	2400	499	1590	5880	826	1700	1090	4040	617	555
MIN	70	146	189	215	294	399	329	330	274	214	167	127
MED	116	386	489	266	439	554	382	438	394	386	319	159
AC-FT	9740	29570	40760	18220	28800	65480	25550	38160	29510	41670	20230	11650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	158	497	663	296	519	1065	429	621	496	678	329	161
MAX	158	497	663	296	519	1065	429	621	496	678	329	196
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	158	497	663	296	519	1065	429	621	496	678	329	126
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2002

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	181165			
ANNUAL MEAN	496		496	
HIGHEST ANNUAL MEAN			496	2003
LOWEST ANNUAL MEAN			496	2003
HIGHEST DAILY MEAN	5880	Mar 21	5880	Mar 21 2003
LOWEST DAILY MEAN	70	Oct 8	2.3	Sep 12 2002
ANNUAL SEVEN-DAY MINIMUM	73	Oct 3	5.5	Sep 7 2002
MAXIMUM PEAK FLOW	6680	Mar 21		
MAXIMUM PEAK STAGE	16.86	Mar 21		
ANNUAL RUNOFF (AC-FT)	359300		359600	
10 PERCENT EXCEEDS	890		890	
50 PERCENT EXCEEDS	378		378	
90 PERCENT EXCEEDS	147		147	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02217770 NORTH OCONEE RIVER AT COLLEGE ST, AT ATHENS, GA SOURCE AGENCY USGS STATE 13 COUNTY 059
LATITUDE 335811 LONGITUDE 0832239 NAD27 DRAINAGE AREA 264.10* CONTRIBUTING DRAINAGE AREA DATUM

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	3.08
2	---	---	---	---	---	---	---	---	---	---	---	3.14
3	---	---	---	---	---	---	---	---	---	---	---	3.12
4	---	---	---	---	---	---	---	---	---	---	---	2.96
5	---	---	---	---	---	---	---	---	---	---	---	2.98
6	---	---	---	---	---	---	---	---	---	---	---	2.90
7	---	---	---	---	---	---	---	---	---	---	---	2.72
8	---	---	---	---	---	---	---	---	---	---	---	2.56
9	---	---	---	---	---	---	---	---	---	---	---	2.46
10	---	---	---	---	---	---	---	---	---	---	2.88	2.30
11	---	---	---	---	---	---	---	---	---	---	2.85	2.24
12	---	---	---	---	---	---	---	---	---	---	2.77	2.18
13	---	---	---	---	---	---	---	---	---	---	2.71	2.42
14	---	---	---	---	---	---	---	---	---	---	2.65	4.44
15	---	---	---	---	---	---	---	---	---	---	2.65	5.12
16	---	---	---	---	---	---	---	---	---	---	2.58	5.32
17	---	---	---	---	---	---	---	---	---	---	2.66	5.07
18	---	---	---	---	---	---	---	---	---	---	2.65	5.23
19	---	---	---	---	---	---	---	---	---	---	2.82	4.97
20	---	---	---	---	---	---	---	---	---	---	2.81	4.69
21	---	---	---	---	---	---	---	---	---	---	2.87	4.41
22	---	---	---	---	---	---	---	---	---	---	2.82	4.50
23	---	---	---	---	---	---	---	---	---	---	2.74	4.69
24	---	---	---	---	---	---	---	---	---	---	2.59	4.25
25	---	---	---	---	---	---	---	---	---	---	2.56	4.21
26	---	---	---	---	---	---	---	---	---	---	2.55	4.55
27	---	---	---	---	---	---	---	---	---	---	2.62	5.05
28	---	---	---	---	---	---	---	---	---	---	2.81	5.42
29	---	---	---	---	---	---	---	---	---	---	3.24	5.13
30	---	---	---	---	---	---	---	---	---	---	3.13	4.65
31	---	---	---	---	---	---	---	---	---	---	3.08	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	3.89
MAX	---	---	---	---	---	---	---	---	---	---	---	5.42
MIN	---	---	---	---	---	---	---	---	---	---	---	2.18

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LATITUDE 335811 LONGITUDE 0832239 NAD27 DRAINAGE AREA 264.10* CONTRIBUTING DRAINAGE AREA DATUM

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	5.12	4.86	5.91	5.66	6.93	5.51	5.63	5.23	6.55	5.39	4.73
2	---	4.77	4.76	6.01	5.37	6.19	5.42	5.44	5.17	11.16	5.90	4.66
3	---	4.62	4.75	5.78	5.23	5.83	5.39	5.42	5.42	13.36	5.68	4.69
4	---	4.51	4.76	5.62	5.25	5.67	5.34	5.33	5.54	11.19	5.33	4.74
5	---	4.81	5.19	5.48	5.33	5.64	5.37	5.39	5.56	7.41	6.03	4.68
6	---	5.70	6.18	5.37	5.31	8.47	5.44	7.23	5.36	6.58	6.34	4.54
7	---	7.30	7.53	5.29	5.74	10.77	5.57	8.40	6.04	6.18	5.71	4.50
8	---	7.11	5.86	5.24	6.10	11.96	5.54	9.17	6.82	6.07	6.02	4.51
9	3.97	5.55	5.38	5.21	5.82	8.35	5.58	7.73	7.19	5.76	5.40	4.47
10	3.90	5.17	5.30	5.21	5.74	6.65	5.81	6.41	5.97	5.63	5.25	4.45
11	3.94	5.92	5.97	5.17	5.79	6.24	6.20	6.00	5.57	5.73	5.26	4.44
12	4.18	8.04	8.05	5.11	5.62	6.00	6.34	5.78	5.41	5.80	5.36	4.44
13	4.23	7.84	8.52	5.06	5.40	5.86	5.96	5.62	5.85	5.53	6.12	4.44
14	4.25	6.45	7.31	5.07	5.29	5.75	5.62	5.47	6.59	5.96	5.82	4.44
15	4.43	5.78	7.27	5.05	5.30	5.75	---	5.60	7.69	6.17	5.33	4.41
16	4.95	6.22	6.37	5.05	6.22	5.73	---	5.71	7.29	5.49	5.23	4.42
17	5.67	7.22	5.85	5.09	6.99	5.78	5.35	5.64	6.26	5.36	5.29	4.38
18	5.34	8.48	5.60	5.07	6.99	6.00	5.46	5.56	6.57	5.30	5.50	4.35
19	4.65	6.89	5.46	5.02	6.20	6.41	5.39	5.84	6.54	5.26	5.17	4.32
20	4.48	5.95	5.86	5.00	5.80	9.15	5.32	5.73	6.81	5.15	4.98	4.32
21	4.46	5.68	6.34	4.99	5.64	15.84	5.30	5.70	5.92	5.07	4.88	4.32
22	4.42	5.62	6.07	5.11	6.06	12.84	5.45	7.44	5.57	5.20	4.83	4.60
23	4.38	5.56	5.63	5.13	6.94	8.04	6.95	8.39	5.40	5.53	4.79	5.99
24	4.27	5.31	6.94	5.01	8.90	6.84	5.93	8.14	5.28	5.45	4.73	6.14
25	4.23	5.16	9.06	4.90	6.89	6.42	5.63	6.58	5.19	5.21	4.66	5.17
26	4.28	5.08	10.60	4.89	5.99	6.17	6.09	6.21	5.13	5.09	4.64	4.82
27	4.28	5.03	7.85	4.90	5.97	6.03	6.56	5.96	5.09	5.05	4.61	4.75
28	4.39	4.98	6.38	4.89	6.34	5.82	5.84	5.73	5.15	4.97	4.57	4.89
29	4.96	4.92	5.99	4.92	---	5.71	5.52	5.53	5.23	4.87	5.04	4.95
30	6.21	4.88	5.75	5.58	---	5.67	5.42	5.42	5.22	4.82	4.96	4.68
31	5.96	---	5.65	5.87	---	5.60	---	5.30	---	5.00	4.75	---
MEAN	---	5.86	6.36	5.23	6.00	7.23	---	6.24	5.87	6.19	5.28	4.67
MAX	---	8.48	10.60	6.01	8.90	15.84	---	9.17	7.69	13.36	6.34	6.14
MIN	---	4.51	4.75	4.89	5.23	5.60	---	5.30	5.09	4.82	4.57	4.32

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APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	0.00
2	---	---	---	---	---	---	---	---	---	---	---	0.00
3	---	---	---	---	---	---	---	---	---	---	---	0.00
4	---	---	---	---	---	---	---	---	---	---	---	0.00
5	---	---	---	---	---	---	---	---	---	---	---	0.00
6	---	---	---	---	---	---	---	---	---	---	---	0.00
7	---	---	---	---	---	---	---	---	---	---	---	0.00
8	---	---	---	---	---	---	---	---	---	---	---	0.00
9	---	---	---	---	---	---	---	---	---	---	---	0.00
10	---	---	---	---	---	---	---	---	---	---	0.00	0.00
11	---	---	---	---	---	---	---	---	---	---	0.00	0.00
12	---	---	---	---	---	---	---	---	---	---	0.00	0.00
13	---	---	---	---	---	---	---	---	---	---	0.00	1.59
14	---	---	---	---	---	---	---	---	---	---	0.00	3.96
15	---	---	---	---	---	---	---	---	---	---	0.00	0.80
16	---	---	---	---	---	---	---	---	---	---	0.00	0.00
17	---	---	---	---	---	---	---	---	---	---	0.00	0.00
18	---	---	---	---	---	---	---	---	---	---	0.01	0.72
19	---	---	---	---	---	---	---	---	---	---	0.00	0.00
20	---	---	---	---	---	---	---	---	---	---	0.00	0.02
21	---	---	---	---	---	---	---	---	---	---	0.00	0.02
22	---	---	---	---	---	---	---	---	---	---	0.00	0.00
23	---	---	---	---	---	---	---	---	---	---	0.00	0.00
24	---	---	---	---	---	---	---	---	---	---	0.00	0.00
25	---	---	---	---	---	---	---	---	---	---	0.05	0.67
26	---	---	---	---	---	---	---	---	---	---	0.03	0.63
27	---	---	---	---	---	---	---	---	---	---	0.01	0.04
28	---	---	---	---	---	---	---	---	---	---	0.00	0.00
29	---	---	---	---	---	---	---	---	---	---	0.00	0.00
30	---	---	---	---	---	---	---	---	---	---	0.03	0.00
31	---	---	---	---	---	---	---	---	---	---	0.00	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	8.45

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APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

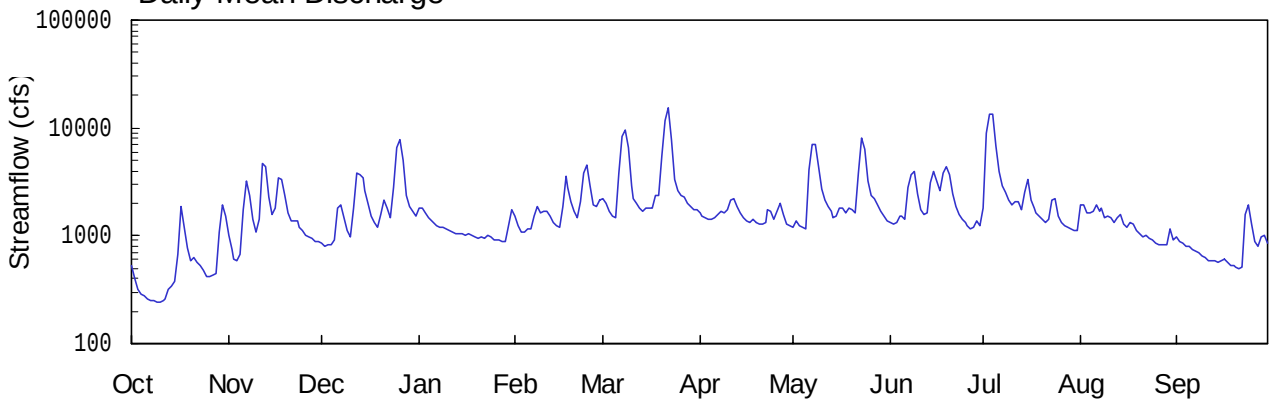
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.00	0.00	0.10	0.00	0.05	0.00	1.53	0.00	4.34	0.00	0.00
2	---	0.00	0.00	0.03	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.28
3	---	0.09	0.00	0.00	0.00	0.00	0.00	0.01	1.31	0.00	0.55	0.00
4	---	0.08	0.04	0.00	0.15	0.02	0.00	0.00	0.00	0.01	1.15	0.00
5	---	1.25	0.05	0.00	0.00	1.19	0.10	1.65	0.00	0.39	0.00	0.00
6	---	0.01	0.00	0.00	0.00	1.01	0.04	2.29	0.55	0.01	0.06	0.02
7	---	0.00	0.00	0.00	0.00	0.01	0.19	0.23	1.01	0.00	0.03	0.00
8	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
9	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.02	0.01	1.10	0.00	0.01	0.00	0.00	0.00	0.00	0.42	0.00	0.00
11	0.00	1.80	0.03	0.00	0.00	0.00	0.00	0.06	0.14	0.04	0.04	0.00
12	0.00	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.02	0.45	0.00
13	0.20	0.00	1.17	0.00	0.00	0.00	0.00	0.00	2.05	0.36	0.13	0.00
14	0.06	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.25	0.00	0.00	0.00
15	1.20	0.05	0.00	0.00	0.00	0.29	---	0.72	0.00	0.00	0.00	0.00
16	0.04	1.27	0.00	0.04	0.27	0.00	---	0.00	1.00	0.00	0.70	0.00
17	0.00	0.01	0.00	0.00	0.00	0.39	0.00	0.00	0.15	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.05	0.01	0.48	0.06	0.01	0.00	0.00
19	0.00	0.01	0.54	0.00	0.00	1.38	0.01	0.02	0.00	0.00	0.00	0.00
20	0.42	0.00	0.17	0.00	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.01	0.00	0.01	0.06	0.00	0.01	0.57	0.00	0.03	0.00	0.00
22	0.00	0.00	0.02	0.00	0.62	0.00	0.00	2.42	0.00	0.40	0.00	1.40
23	0.01	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.64	0.00	0.00
24	0.00	0.00	2.38	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00
25	0.04	0.00	0.01	0.00	0.00	0.00	0.52	0.24	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.17	0.33	0.00	0.06	0.00	0.01	0.00	0.00
27	0.01	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.20
28	1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.00
29	0.10	0.00	0.00	0.01	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.01	0.00	0.00	0.00	---	0.11	0.00	0.00	0.27	0.00	0.00	0.00
31	0.00	---	0.63	0.00	---	0.01	---	0.00	---	1.32	0.00	---
TOTAL	---	5.53	6.16	0.20	1.52	5.45	---	10.37	7.23	8.00	3.12	1.90

2003 Water Year

02218300 OCONEE RIVER NEAR PENFIELD, GA

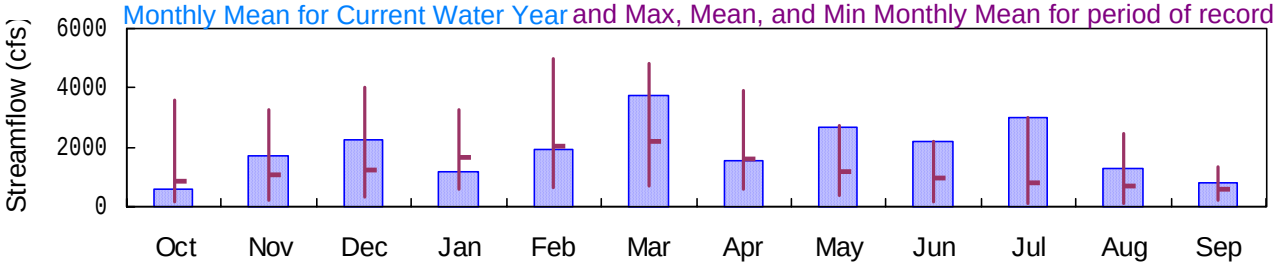
Latitude: 33°43'16" Longitude: 083°17'44" Hydrologic Unit Code: 03070101 Greene County
Drainage Area: 940.0 mi^2 Datum: 433.2 feet

Daily Mean Discharge

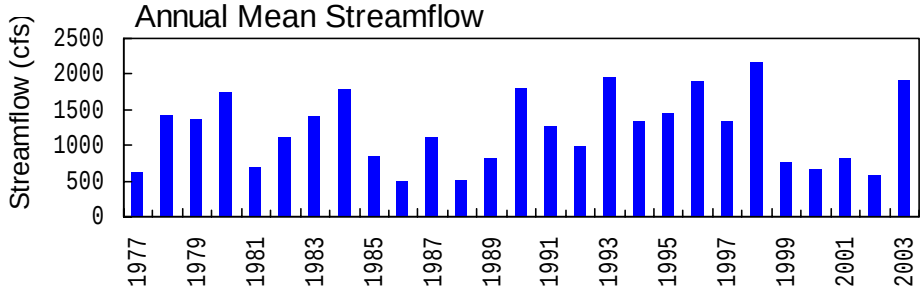


Monthly Statistics

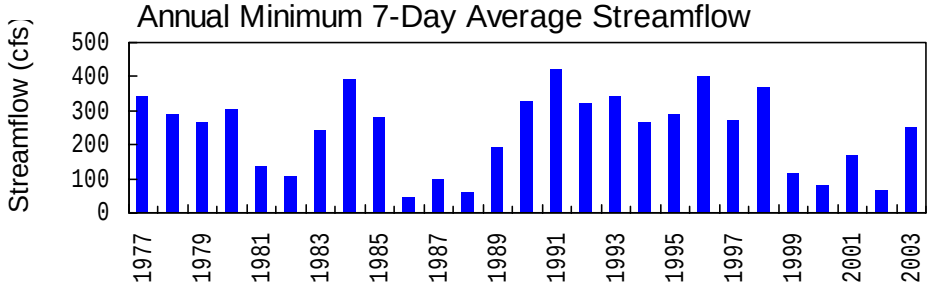
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



Annual Mean Streamflow

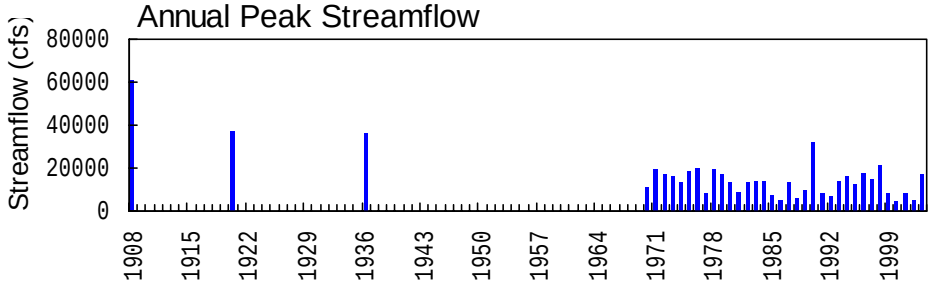


Annual Minimum 7-Day Average Streamflow



02218300 - Oconee River near Penfield, GA

Annual Peak Streamflow



ALTAMAHA RIVER BASIN
2003 Water Year

02218300 OCONEE RIVER NEAR PENFIELD, GA

LOCATION.—Lat 33°43'16", long 83°17'44" referenced to North American Datum (NAD) of 1927, Greene County, Hydrologic Unit 03070101, on downstream side of bridge on GA 15, 7.0 miles upstream from Greenbrier Creek, 8.0 miles northwest of Penfield, and 10.0 mi southeast of Watkinsville.

DRAINAGE AREA.—940 square miles.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Water years 1970-77 (annual maximum), August 1977 to current year.

REVISED RECORDS.—WDR GA-91-1: 1990(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 433.26 feet above National Geodetic Vertical Datum (NGVD) of 1929. From November 4, 1969 to July 21, 1977, a crest-stage gage was installed, and from July 22, 1977 to August 1, 1990, a water-stage recorder was located at site 300.00 feet upstream at same datum.

REMARKS.—Records good. Some regulation at low streamflow occurs from operation of Barnett Shoals Dam.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of December 19, 1919, reached a stage of 26.9 feet, information supplied by Georgia Department of Transportation, discharge, 37,000 cfs, from rating curve extended above 22,000 cfs on basis of slope-conveyance study. The flood of April 6, 1936 reached a stage of 26.7 feet and discharge of 36,000 cfs (revised) from rating curve extended above 22,000 cfs on basis of slope-conveyance study.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 4,600 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/12	2245	6,040	13.69
12/26	1400	8,060	15.37
02/24	0515	5,010	12.71
03/08	1030	10,100	16.82
03/22	0700	17,100*	20.70*
05/07	1500	7,590	15.00
05/23	1230	8,290	15.55
06/19	0245	4,800	12.47
07/04	0300	15,200	19.84

02218300 OCONEE RIVER NEAR PENFIELD, GA--continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—Water years 1970-1977 (annual maximum), August 1977 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 433.26 feet above National Geodetic Vertical Datum (NGVD) of 1929. From November 4, 1969 to July 21, 1977, a crest-stage gage was installed, and from July 22, 1977 to August 1, 1990, a water-stage recorder was located at site 300 feet upstream at same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 20.70 feet, March 22; minimum gage-height recorded, 3.40 feet, October 9.

PRECIPITATION RECORDS

PERIOD OF RECORD.—December 1, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218300 OCONEE RIVER NEAR PENFIELD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 133
LATITUDE 334316 LONGITUDE 0831744 NAD27 DRAINAGE AREA 940.00 CONTRIBUTING DRAINAGE AREA 940* DATUM 433.26 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	524	1020	845	1790	1520	2210	1610	1210	1320	1820	1910	988
2	398	736	809	1830	1220	1970	1540	1360	1260	8950	1940	871
3	320	612	812	1630	1080	1680	1490	1260	1320	13500	1640	855
4	291	584	816	1490	1080	1530	1440	1220	1530	13300	1610	805
5	274	668	925	1390	1160	1460	1430	1150	1530	6760	1660	785
6	259	1730	1790	1310	1160	3770	1460	4060	1410	3990	1900	735
7	254	3220	1920	1240	1500	8460	1580	7120	2810	2900	1710	724
8	247	2330	1490	1200	1850	9570	1660	6990	3690	2500	1800	697
9	240	1420	1110	1180	1610	6480	1620	4430	4000	2140	1450	654
10	244	1070	969	1160	1660	2900	1770	2700	2450	1920	1520	628
11	248	1410	1810	1110	1710	2240	2160	2110	1760	2060	1470	592
12	259	4710	3820	1090	1540	1990	2180	1870	1560	2040	1320	577
13	316	4410	3680	1050	1340	1820	1850	1670	1630	1770	1490	582
14	337	2280	3500	1030	1230	1710	1600	1480	3150	2560	1560	568
15	376	1570	2620	1030	1190	1780	1470	1520	3910	3300	1290	580
16	683	1780	2010	1010	1870	1780	1380	1820	3210	2110	1210	601
17	1860	3490	1530	1030	3580	1800	1330	1780	2660	1780	1330	575
18	1200	3320	1320	1020	2840	2380	1400	1610	3850	1620	1260	539
19	768	2370	1200	981	2080	2360	1350	1810	4430	1540	1120	525
20	582	1610	1570	961	1670	5470	1290	1760	3710	1410	1040	519
21	626	1390	2140	964	1480	11600	1280	1620	2420	1340	981	496
22	559	1380	1780	961	2030	15500	1350	3750	1880	1430	1010	508
23	523	1350	1450	1010	3830	7810	1720	8020	1590	2130	947	1570
24	473	1200	2840	972	4520	3360	1690	6390	1420	2190	901	1940
25	416	1100	6560	921	2950	2650	1420	3220	1320	1540	865	1270
26	422	1030	7710	901	1950	2330	1710	2350	1240	1320	830	897
27	430	978	5090	907	1860	2300	1990	2250	1160	1250	815	791
28	440	936	2370	891	2140	2000	1570	1900	1190	1190	812	972
29	1080	892	1890	895	---	1840	1300	1670	1360	1140	827	1030
30	1960	872	1660	1250	---	1760	1230	1510	1250	1120	1160	846
31	1500	---	1530	1770	---	1720	---	1380	---	1110	900	---
TOTAL	18109	51468	69566	35974	53650	116230	46870	82990	66020	93730	40278	23720
MEAN	584	1716	2244	1160	1916	3749	1562	2677	2201	3024	1299	791
MAX	1960	4710	7710	1830	4520	15500	2180	8020	4430	13500	1940	1940
MIN	240	584	809	891	1080	1460	1230	1150	1160	1110	812	496
CFSM	0.62	1.83	2.39	1.23	2.04	3.99	1.66	2.85	2.34	3.22	1.38	0.84
IN.	0.72	2.04	2.75	1.42	2.12	4.60	1.85	3.28	2.61	3.71	1.59	0.94

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2003, BY WATER YEAR (WY)

MEAN	879	1067	1248	1682	2059	2202	1614	1176	958	799	688	571
MAX	3571	3272	4029	3261	4974	4798	3897	2729	2201	3024	2481	1347
(WY)	1990	1978	1984	1978	1998	1980	1979	1980	2003	2003	1994	1992
MIN	165	240	336	595	638	689	569	366	153	93.4	92.6	217
(WY)	1988	2002	2002	1981	1989	1988	1986	1988	1988	1986	2002	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1977 - 2003	
ANNUAL TOTAL	325399		698605			
ANNUAL MEAN	892		1914		1241	
HIGHEST ANNUAL MEAN					2169	1998
LOWEST ANNUAL MEAN					498	1986
HIGHEST DAILY MEAN	7710	Dec 26	15500	Mar 22	21900	Oct 2 1989
LOWEST DAILY MEAN	44	Sep 13	240	Oct 9	33	Aug 26 1986
ANNUAL SEVEN-DAY MINIMUM	64	Sep 7	250	Oct 6	49	Aug 5 1986
MAXIMUM PEAK FLOW			17100	Mar 22	31700	Oct 1 1989
MAXIMUM PEAK STAGE			20.70	Mar 22	25.92	Oct 1 1989
INSTANTANEOUS LOW FLOW			218	Oct 9		
ANNUAL RUNOFF (CFSM)	0.95		2.04		1.32	
ANNUAL RUNOFF (INCHES)	12.88		27.65		17.94	
10 PERCENT EXCEEDS	1970		3530		2250	
50 PERCENT EXCEEDS	635		1490		845	
90 PERCENT EXCEEDS	112		608		294	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218300 OCONEE RIVER NEAR PENFIELD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 133
LATITUDE 334316 LONGITUDE 0831744 NAD27 DRAINAGE AREA 940.00 CONTRIBUTING DRAINAGE AREA 940* DATUM 433.26 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.43	5.76	5.29	7.50	6.92	8.34	7.11	6.19	6.16	7.19	7.45	5.36
2	4.03	5.02	5.19	7.58	6.23	7.87	6.95	6.56	6.03	15.82	7.52	5.06
3	3.77	4.66	5.20	7.15	5.89	7.26	6.84	6.32	6.16	18.96	6.89	5.02
4	3.67	4.57	5.21	6.85	5.89	6.94	6.73	6.22	6.65	18.81	6.82	4.88
5	3.61	4.81	5.50	6.62	6.07	6.78	6.70	6.05	6.65	14.22	6.92	4.83
6	3.55	7.27	7.47	6.43	6.07	10.59	6.78	11.25	6.36	11.31	7.45	4.69
7	3.53	10.16	7.77	6.27	6.86	15.66	7.05	14.61	9.18	9.40	7.03	4.66
8	3.51	8.56	6.84	6.18	7.61	16.48	7.22	14.51	10.84	8.65	7.22	4.58
9	3.48	6.68	5.97	6.13	7.10	14.01	7.14	11.85	11.32	7.93	6.45	4.46
10	3.50	5.88	5.62	6.08	7.22	9.63	7.44	9.02	8.53	7.49	6.61	4.38
11	3.51	6.62	7.45	5.98	7.33	8.41	8.23	7.86	7.15	7.77	6.50	4.28
12	3.55	12.15	11.18	5.92	6.97	7.90	8.27	7.37	6.71	7.72	6.16	4.23
13	3.76	11.84	10.95	5.82	6.50	7.56	7.62	6.96	6.86	7.17	6.55	4.25
14	3.83	8.47	10.65	5.78	6.24	7.32	7.10	6.54	9.87	8.75	6.72	4.21
15	3.96	7.01	9.13	5.77	6.15	7.47	6.81	6.61	11.21	10.15	6.09	4.24
16	4.87	7.45	7.94	5.72	7.53	7.48	6.61	7.28	9.97	7.87	5.90	4.30
17	7.60	10.63	6.93	5.77	10.81	7.51	6.47	7.18	8.94	7.19	6.18	4.23
18	6.21	10.36	6.45	5.74	9.51	8.68	6.64	6.83	11.04	6.85	6.03	4.12
19	5.14	8.64	6.18	5.65	8.09	8.65	6.53	7.26	11.96	6.66	5.69	4.16
20	4.61	7.12	7.01	5.60	7.24	12.74	6.39	7.16	10.82	6.38	5.49	4.06
21	4.74	6.62	8.19	5.61	6.83	17.77	6.36	6.84	8.49	6.21	5.35	3.99
22	4.54	6.61	7.47	5.60	7.93	19.95	6.52	10.30	7.40	6.40	5.41	4.03
23	4.42	6.54	6.76	5.73	11.13	15.05	7.36	15.34	6.78	7.91	5.26	6.66
24	4.26	6.18	9.18	5.62	12.12	10.41	7.28	13.95	6.40	8.02	5.14	7.51
25	4.08	5.95	14.14	5.49	9.70	9.19	6.69	9.97	6.15	6.66	5.04	6.05
26	4.11	5.77	15.10	5.44	7.83	8.58	7.31	8.36	5.98	6.16	4.95	5.13
27	4.12	5.64	12.58	5.45	7.64	8.52	7.90	8.15	5.78	6.00	4.91	4.84
28	4.15	5.53	8.65	5.41	8.19	7.92	7.01	7.45	5.86	5.84	4.90	5.32
29	5.87	5.41	7.70	5.42	---	7.60	6.42	6.96	6.25	5.74	4.94	5.47
30	7.81	5.36	7.22	6.27	---	7.43	6.26	6.60	6.00	5.69	5.79	4.99
31	6.87	---	6.93	7.46	---	7.34	---	6.30	---	5.66	5.14	---
MEAN	4.49	7.11	8.00	6.07	7.63	9.90	6.99	8.51	7.92	8.60	6.08	4.80
MAX	7.81	12.15	15.10	7.58	12.12	19.95	8.27	15.34	11.96	18.96	7.52	7.51
MIN	3.48	4.57	5.19	5.41	5.89	6.78	6.26	6.05	5.78	5.66	4.90	3.99

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218300 OCONEE RIVER NEAR PENFIELD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 133
LATITUDE 334316 LONGITUDE 0831744 NAD27 DRAINAGE AREA 940.00 CONTRIBUTING DRAINAGE AREA 940* DATUM 433.26 NGVD29

APPROVED

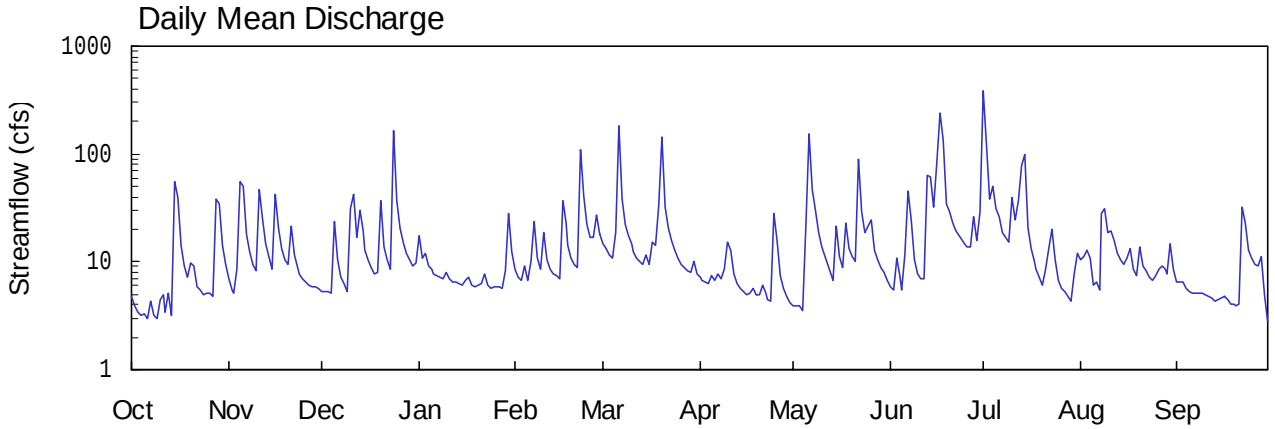
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

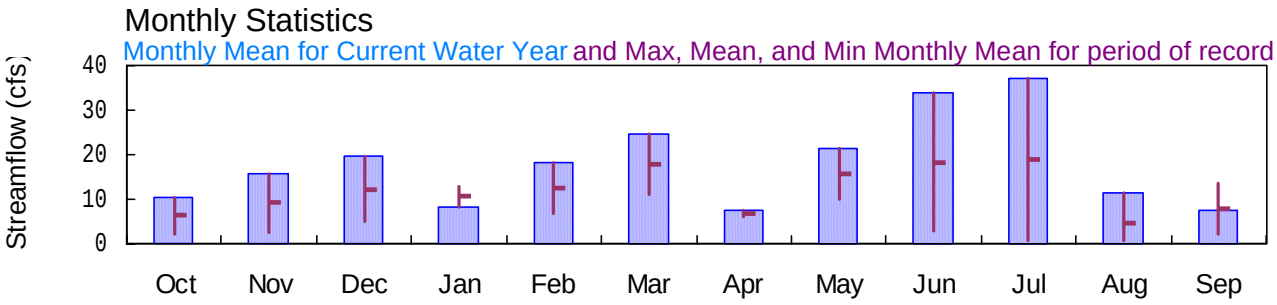
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.11	---	0.08	---	1.23	0.00	3.18	0.06	0.00
2	0.00	0.00	0.00	0.00	---	0.01	---	0.79	0.00	0.02	0.01	0.00
3	0.00	0.18	0.00	0.00	---	0.00	0.00	0.00	0.16	0.00	0.28	0.00
4	0.00	0.12	0.01	0.00	0.38	0.01	0.00	0.00	0.02	0.00	0.00	0.00
5	0.00	1.07	---	0.00	0.00	0.00	0.19	1.35	0.00	0.01	0.08	0.00
6	0.00	0.10	---	---	0.40	0.00	0.09	1.88	1.94	0.00	0.00	0.00
7	0.03	0.00	0.00	---	0.10	0.00	0.72	0.27	1.31	0.71	0.94	---
8	---	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00	---
9	---	0.00	0.00	0.02	0.00	0.00	0.23	0.00	0.00	0.00	0.65	---
10	---	0.01	0.72	0.00	0.89	0.00	0.91	0.00	0.00	0.60	0.00	---
11	---	1.83	0.01	0.00	0.00	0.00	0.01	0.02	0.00	0.16	0.01	0.00
12	---	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.04	0.00
13	---	0.00	1.21	0.00	0.00	0.00	0.00	---	2.31	0.46	0.00	0.00
14	---	0.00	0.00	0.00	0.00	0.00	0.00	---	0.62	0.03	0.00	0.00
15	---	0.02	0.00	---	0.00	0.00	0.00	---	0.00	0.00	0.00	0.02
16	---	1.12	0.00	---	1.15	0.00	0.00	0.11	0.15	0.00	0.76	0.00
17	---	0.00	0.00	---	---	0.00	0.25	0.24	0.01	0.00	0.00	0.00
18	---	0.00	0.00	---	---	0.00	0.01	0.87	0.50	0.40	0.37	0.00
19	---	0.02	0.33	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
20	---	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
21	---	0.01	0.00	0.01	0.07	0.00	0.02	0.68	0.00	0.00	0.00	0.06
22	---	0.00	0.01	0.39	0.98	0.00	0.00	2.13	0.00	1.14	0.00	0.68
23	0.01	0.00	0.02	---	0.00	0.00	0.00	0.01	0.00	0.87	0.00	0.00
24	---	0.00	1.75	---	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
25	---	0.00	0.11	---	0.00	0.00	0.74	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	---	0.24	0.25	0.00	0.00	0.00	0.44	0.00	0.00
27	---	0.00	0.00	---	0.30	0.01	0.00	0.00	0.00	0.01	0.00	0.68
28	0.77	0.00	0.00	---	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00
29	1.33	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.03	0.00
30	0.00	0.00	0.00	---	---	0.06	0.00	0.00	0.73	0.73	0.00	0.00
31	0.00	---	0.44	---	---	0.00	---	0.00	---	0.31	0.00	---
TOTAL	---	5.17	---	---	---	0.42	---	---	8.36	9.07	3.23	---

2003 Water Year

02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA

Latitude: 34°00'37" Longitude: 083°53'39" Hydrologic Unit Code: 03070101 Gwinnett County
Drainage Area: 5.68 mi² Datum: 935.0 feet





ALTAMAHA RIVER BASIN
2003 Water Year

02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA

LOCATION.—Lat 34°00'37", long 83°53'39" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070101, 3.0 miles north of Dacula, and 2.5 miles west of Auburn.

DRAINAGE AREA.—5.68 square miles (revised).

COOPERATION.—Gwinnett County Department of Public Works.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 13, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 935.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

WATER-STAGE RECORDS

PERIOD OF RECORD.—Water years 1970-1977 (annual maximum), August 1977 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 935.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.93 feet, July 1; minimum gage-height recorded, 0.49 feet, October 7.

PRECIPITATION RECORDS

PERIOD OF RECORD.—August 21, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68* CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	7.0	5.3	17	8.6	15	7.3	4.0	5.9	383	11	e6.4
2	3.9	5.6	5.4	11	7.1	13	6.8	3.9	5.4	127	11	e6.4
3	3.5	5.1	5.2	12	6.8	12	6.4	3.9	11	38	13	e6.4
4	3.2	8.6	5.1	9.0	9.0	11	6.4	3.5	7.3	49	11	5.8
5	3.3	56	24	8.4	6.6	19	7.4	21	5.4	31	6.1	5.2
6	3.0	51	10	7.7	10	185	6.7	152	12	26	6.4	5.1
7	4.3	18	7.3	7.4	24	38	7.6	47	46	18	5.5	5.2
8	3.1	12	6.2	7.2	11	22	7.0	30	25	17	28	5.1
9	3.0	9.4	5.3	7.0	8.5	17	8.4	19	10	15	31	5.1
10	4.4	8.2	31	8.0	19	15	15	14	7.7	40	18	4.9
11	4.9	47	42	7.0	11	12	13	11	6.9	25	19	4.8
12	3.4	25	17	6.6	8.6	11	7.7	9.1	6.9	37	16	4.6
13	5.0	15	30	6.4	7.7	10	6.3	7.4	64	78	12	4.4
14	3.2	11	19	6.4	7.5	9.4	5.7	6.7	61	100	10	4.5
15	55	8.6	13	6.1	7.0	12	5.2	22	32	21	9.3	4.6
16	39	43	10	6.7	36	9.6	5.0	11	e82	13	11	4.8
17	14	21	8.8	7.1	23	15	5.2	8.9	e243	10	13	4.4
18	9.3	13	7.7	6.0	14	14	5.6	23	e135	8.4	8.6	4.1
19	7.2	11	8.0	5.9	11	33	5.0	13	e34	7.2	7.4	4.1
20	9.9	9.5	36	6.0	9.6	145	5.0	11	29	6.1	14	3.9
21	9.2	22	14	6.4	9.0	33	6.1	10	23	8.5	9.1	4.0
22	5.9	12	11	7.6	111	21	5.1	89	19	13	8.3	33
23	5.5	9.0	8.7	6.1	40	16	4.5	29	17	20	7.1	23
24	4.9	7.7	162	5.6	22	13	4.3	19	16	10	6.8	13
25	5.1	7.1	37	6.0	17	11	28	21	14	6.7	7.4	e11
26	5.1	6.6	21	5.9	17	9.6	16	24	14	5.7	8.5	e9.5
27	4.7	6.2	15	5.8	27	8.9	7.5	13	14	5.3	9.1	9.0
28	38	5.9	12	5.7	18	8.3	5.6	10	26	4.8	8.5	11
29	34	5.9	10	8.3	---	7.9	4.7	8.7	16	4.3	7.8	4.9
30	14	5.6	9.1	28	---	10	4.2	7.8	29	7.7	15	2.8
31	9.6	---	9.9	12	---	7.6	---	6.8	---	12	e8.7	---
TOTAL	323.4	473.0	606.0	256.3	507.0	764.3	228.7	659.7	1017.5	1147.7	357.6	221.0
MEAN	10.4	15.8	19.5	8.27	18.1	24.7	7.62	21.3	33.9	37.0	11.5	7.37
MAX	55	56	162	28	111	185	28	152	243	383	31	33
MIN	3.0	5.1	5.1	5.6	6.6	7.6	4.2	3.5	5.4	4.3	5.5	2.8
MED	5.0	9.4	10	7.0	11	13	6.4	11	17	15	9.3	5.1
AC-FT	641	938	1200	508	1010	1520	454	1310	2020	2280	709	438

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	6.26	9.22	12.2	10.6	12.5	17.9	6.88	15.7	18.4	18.9	4.56	7.74
MAX	10.4	15.8	19.5	12.9	18.1	24.7	7.62	21.3	33.9	37.0	11.5	13.6
(WY)	2003	2003	2003	2002	2003	2003	2003	2003	2003	2003	2003	2002
MIN	2.08	2.68	4.93	8.27	6.93	11.2	6.14	10.1	2.85	0.85	0.88	2.27
(WY)	2002	2002	2002	2003	2002	2002	2002	2002	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	3385.82		6562.2			
ANNUAL MEAN	9.28		18.0		12.1	
HIGHEST ANNUAL MEAN					18.0	2003
LOWEST ANNUAL MEAN					6.25	2002
HIGHEST DAILY MEAN	162	Dec 24	383	Jul 1	383	Jul 1 2003
LOWEST DAILY MEAN	0.28	Aug 13	2.8	Sep 30	0.28	Aug 13 2002
ANNUAL SEVEN-DAY MINIMUM	0.31	Aug 9	3.3	Oct 3	0.31	Aug 9 2002
MAXIMUM PEAK FLOW			962	Jul 1	962	Jul 1 2003
MAXIMUM PEAK STAGE			6.93	Jul 1	6.93	Jul 1 2003
ANNUAL RUNOFF (AC-FT)	6720		13020		8780	
10 PERCENT EXCEEDS	23		33		25	
50 PERCENT EXCEEDS	4.6		9.3		6.0	
90 PERCENT EXCEEDS	0.58		4.9		1.2	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68* CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.56	0.64	0.61	0.78	0.67	0.78	0.68	0.60	0.61	3.37	0.74	---
2	0.53	0.61	0.61	0.70	0.64	0.76	0.67	0.60	0.60	1.63	0.75	---
3	0.52	0.60	0.61	0.72	0.64	0.74	0.66	0.60	0.69	0.96	0.76	---
4	0.51	0.67	0.60	0.68	0.67	0.73	0.66	0.59	0.64	1.08	0.75	0.59
5	0.51	1.10	0.85	0.67	0.63	0.80	0.68	0.79	0.60	0.96	0.67	0.58
6	0.50	1.11	0.69	0.65	0.68	2.21	0.67	1.93	0.69	0.93	0.68	0.57
7	0.54	0.80	0.65	0.65	0.85	1.04	0.68	1.08	1.04	0.85	0.66	0.57
8	0.51	0.72	0.63	0.65	0.70	0.87	0.67	0.92	0.85	0.83	0.85	0.57
9	0.50	0.68	0.61	0.64	0.67	0.81	0.70	0.79	0.69	0.80	0.90	0.57
10	0.54	0.66	0.85	0.66	0.80	0.78	0.78	0.73	0.64	1.05	0.77	0.57
11	0.55	1.06	1.03	0.64	0.70	0.75	0.76	0.70	0.63	0.92	0.76	0.56
12	0.52	0.88	0.78	0.63	0.67	0.73	0.68	0.67	0.63	1.02	0.73	0.56
13	0.56	0.75	0.92	0.63	0.65	0.72	0.66	0.64	1.14	1.33	0.69	0.55
14	0.51	0.70	0.80	0.63	0.65	0.71	0.65	0.63	1.16	1.53	0.67	0.56
15	1.03	0.67	0.73	0.63	0.64	0.74	0.64	0.81	0.88	0.87	0.65	0.56
16	0.97	1.05	0.70	0.64	0.97	0.71	0.63	0.70	---	0.78	0.67	0.56
17	0.71	0.82	0.67	0.64	0.85	0.79	0.63	0.66	---	0.74	0.70	0.56
18	0.64	0.73	0.65	0.62	0.74	0.78	0.64	0.83	---	0.72	0.64	0.55
19	0.60	0.70	0.66	0.62	0.70	0.97	0.63	0.72	---	0.70	0.62	0.55
20	0.64	0.68	0.97	0.62	0.68	1.90	0.63	0.70	0.80	0.67	0.71	0.54
21	0.64	0.83	0.74	0.63	0.67	0.99	0.65	0.68	0.73	0.71	0.65	0.55
22	0.58	0.71	0.70	0.65	1.58	0.85	0.63	1.42	0.69	0.78	0.63	0.84
23	0.57	0.67	0.67	0.63	1.05	0.79	0.62	0.91	0.66	0.86	0.61	0.82
24	0.56	0.65	1.95	0.61	0.87	0.76	0.61	0.79	0.65	0.74	0.61	0.69
25	0.56	0.64	1.00	0.62	0.81	0.73	0.91	0.80	0.63	0.69	0.62	---
26	0.56	0.63	0.82	0.62	0.81	0.71	0.79	0.85	0.61	0.67	0.64	---
27	0.55	0.63	0.76	0.62	0.93	0.70	0.68	0.72	0.62	0.66	0.65	0.63
28	0.87	0.62	0.72	0.62	0.82	0.69	0.64	0.69	0.76	0.64	0.64	0.69
29	0.95	0.62	0.69	0.66	---	0.69	0.62	0.66	0.64	0.63	0.63	0.61
30	0.75	0.61	0.68	0.91	---	0.72	0.61	0.65	0.77	0.69	0.71	0.57
31	0.68	---	0.69	0.72	---	0.68	---	0.63	---	0.75	---	---
MEAN	0.62	0.74	0.78	0.66	0.78	0.86	0.67	0.79	---	0.95	---	---
MAX	1.03	1.11	1.95	0.91	1.58	2.21	0.91	1.93	---	3.37	---	---
MIN	0.50	0.60	0.60	0.61	0.63	0.68	0.61	0.59	---	0.63	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68* CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.28	0.00	0.03	0.00	0.09	0.00	5.09	0.00	0.00
2	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.10	0.00	0.03	0.00	0.03
3	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.01	0.58	0.00	0.52	0.00
4	0.05	0.14	0.07	0.00	0.22	0.02	0.05	0.00	0.16	0.60	0.01	0.03
5	0.00	1.92	0.92	0.00	0.00	1.23	0.15	1.76	0.00	0.13	0.05	0.00
6	0.00	0.02	0.00	0.01	0.75	1.10	0.16	1.59	0.61	0.01	0.10	0.00
7	0.24	0.00	0.00	0.00	0.05	0.00	0.18	0.09	1.35	0.00	0.01	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.07	0.00	0.00	1.97	0.00
9	0.00	0.00	0.00	0.15	0.11	0.00	0.08	0.03	0.00	0.00	0.03	0.00
10	0.40	0.01	1.58	0.01	0.37	0.00	0.83	0.02	0.00	1.09	0.00	0.00
11	0.01	1.50	0.02	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.06	0.00
12	0.01	0.23	0.00	0.00	0.00	0.00	0.00	0.01	0.03	1.11	0.00	0.00
13	0.18	0.00	0.79	0.00	0.00	0.00	0.00	0.02	1.92	1.45	0.12	0.00
14	0.01	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.88	0.01	0.00	0.03
15	2.65	0.37	0.00	0.00	0.00	0.31	0.00	0.02	0.00	0.07	0.00	0.00
16	0.05	0.90	0.00	0.18	1.21	0.00	0.00	0.01	---	0.00	0.12	0.00
17	0.01	0.00	0.00	0.01	0.01	0.49	0.20	0.02	---	0.00	0.01	0.00
18	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.01	---	0.00	0.00	0.00
19	0.00	0.03	0.91	0.00	0.00	1.55	0.00	0.29	---	0.00	0.00	0.00
20	0.41	0.24	0.07	0.00	0.00	1.19	0.00	0.06	0.00	0.00	0.06	0.00
21	0.00	0.30	0.00	0.11	0.12	0.00	0.23	0.21	0.00	0.24	0.00	0.01
22	0.00	0.00	0.01	0.02	1.55	0.00	0.00	2.12	0.00	0.46	0.00	2.09
23	0.01	0.00	0.10	0.00	0.00	0.00	0.00	0.01	0.00	0.51	0.00	0.00
24	0.00	0.00	2.41	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
25	0.13	0.00	0.02	0.00	0.00	0.00	1.60	0.46	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.36	0.02	0.00	0.07	0.00	0.01	0.00	0.00
27	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.14	0.00	0.00	0.53
28	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.01	0.01
29	0.16	0.00	0.00	0.68	---	0.06	0.00	0.00	0.00	0.00	0.00	0.00
30	0.07	0.00	0.00	0.48	---	0.24	0.00	0.00	0.63	0.03	0.07	0.00
31	0.27	---	0.32	0.00	---	0.00	---	0.00	---	0.45	0.00	---
TOTAL	5.34	5.91	7.22	2.11	5.09	6.34	3.61	7.08	---	11.31	3.14	2.73

02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA

LOCATION.—Lat 34°00'37", long 83°53'39" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070101, 3.0 miles north of Dacula, and 2.5 miles west of Auburn.

DRAINAGE AREA.—5.68 square miles.

COOPERATION.—Gwinnett County Department of Public Works.

PERIOD OF RECORD.—July 13, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: July 13, 2001 to current year.
WATER TEMPERATURE: July 13, 2001 to current year.
TURBIDITY: July 13, 2001 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records fair, except turbidity records, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 88 microsiemens, September 16, 2002; minimum recorded, 18 microsiemens, July 1, 2003.
WATER TEMPERATURE: Maximum recorded, 26.1°C, July 29,30, 2002; minimum recorded, 0.5°C, January 24, 2003.
TURBIDITY: Maximum recorded, >2,200 NTU, May 1-3, June 6, 2002; minimum recorded, <5.0 NTU, on many days.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum, 77 microsiemens, October 20; minimum, 18 microsiemens, July 1.
WATER TEMPERATURE: Maximum, 24.4°C, August 23; minimum, 0.5°C, January 24.
TURBIDITY: Maximum, >1,200 NTU, on many days; minimum, <5.0 NTU, on several days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68 CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	60	59	60	69	67	68	63	62	62	50	49	49
2	60	59	59	69	68	69	63	62	62	51	50	51
3	59	59	59	69	68	69	62	61	62	52	51	52
4	60	59	60	69	68	69	64	62	63	52	50	51
5	61	60	60	69	39	61	64	54	58	52	50	51
6	61	60	61	48	37	45	59	58	59	52	51	52
7	61	60	60	52	48	50	59	58	58	52	51	52
8	62	60	61	54	51	53	58	58	58	53	52	53
9	62	60	61	55	54	55	59	58	59	54	53	54
10	61	58	61	58	55	57	59	36	55	56	54	55
11	61	58	60	58	44	51	44	35	42	56	56	56
12	61	60	61	56	53	55	54	44	49	56	56	56
13	61	58	60	58	56	57	54	47	51	56	55	55
14	62	61	61	60	58	59	55	51	53	56	56	56
15	61	44	55	63	60	61	57	55	55	58	55	57
16	62	49	59	63	50	55	56	56	56	59	57	58
17	68	62	65	59	55	58	57	56	56	58	57	58
18	71	66	69	60	59	59	58	57	58	58	58	58
19	75	71	73	61	60	61	58	53	58	58	58	58
20	77	66	74	61	61	61	53	38	43	58	57	58
21	72	67	70	61	58	59	48	47	48	57	56	56
22	71	69	70	62	61	62	49	48	48	58	56	57
23	69	68	68	64	62	63	51	49	50	58	57	58
24	69	68	69	63	63	63	52	22	35	58	58	58
25	70	68	69	64	63	63	45	32	40	58	57	57
26	70	68	69	64	63	64	47	45	45	57	56	57
27	70	69	69	64	63	64	47	46	47	57	56	57
28	71	43	63	64	64	64	49	47	48	57	57	57
29	61	51	58	64	63	64	50	49	49	57	53	56
30	65	61	64	63	62	63	50	50	50	55	51	53
31	67	65	66	---	---	---	50	49	50	56	55	56
MONTH	77	43	64	69	37	60	64	22	52	59	49	55

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68 CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	57	56	56	57	54	55	51	51	51	58	57	57
2	57	56	57	59	57	58	51	50	51	59	57	58
3	57	57	57	62	59	60	52	50	51	58	57	58
4	57	54	56	62	58	59	53	52	52	59	58	58
5	57	56	57	63	55	60	54	52	53	59	41	55
6	57	53	56	59	31	39	55	54	54	48	27	39
7	57	52	54	48	45	47	55	54	54	49	41	47
8	58	57	58	50	48	49	56	54	55	52	49	51
9	59	58	59	51	50	51	56	55	55	55	52	54
10	59	53	55	54	51	53	56	54	55	58	55	57
11	58	56	57	54	54	54	58	54	57	58	56	57
12	58	58	58	55	54	54	57	57	57	60	56	58
13	58	58	58	55	54	55	58	57	57	59	57	58
14	58	58	58	55	55	55	59	57	58	60	57	58
15	58	57	57	55	55	55	59	56	57	60	50	57
16	58	46	52	55	55	55	57	56	57	59	57	58
17	54	49	53	59	52	54	60	57	57	60	59	59
18	56	54	55	56	54	56	59	57	58	60	56	58
19	56	56	56	57	40	51	58	57	57	59	56	58
20	57	56	56	43	26	35	58	57	57	62	59	60
21	57	55	56	42	40	41	58	57	58	62	60	61
22	56	18	40	43	42	43	59	58	58	61	40	46
23	48	40	45	44	43	43	60	58	59	55	49	52
24	54	48	49	45	44	45	59	58	58	56	54	56
25	51	50	51	48	45	47	58	38	52	58	54	57
26	53	51	53	48	47	48	57	48	55	57	54	57
27	54	53	53	48	48	48	57	57	57	59	57	58
28	57	54	55	50	48	49	57	56	57	60	59	59
29	---	---	---	50	49	50	57	57	57	64	58	59
30	---	---	---	52	50	50	57	57	57	60	59	59
31	---	---	---	52	50	51	---	---	---	61	59	60
MONTH	59	18	55	63	26	51	60	38	56	64	27	56

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68 CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	60	59	60	44	18	32	60	56	59	62	60	61
2	60	60	60	40	20	33	61	53	57	65	62	64
3	64	56	59	47	40	44	63	57	61	66	61	63
4	61	58	60	49	26	43	68	59	64	68	61	62
5	62	60	60	---	---	---	65	62	63	76	65	70
6	76	59	65	---	---	---	66	64	65	65	63	64
7	60	37	52	---	---	---	67	65	65	66	63	64
8	55	41	51	53	51	52	67	38	63	70	64	68
9	58	55	57	54	53	54	60	51	57	66	63	64
10	60	58	59	55	36	47	60	58	59	65	63	64
11	61	60	61	49	45	47	63	52	59	66	63	64
12	62	60	61	50	45	49	60	54	58	65	63	64
13	63	27	53	---	---	---	63	58	61	64	62	63
14	48	37	45	---	---	---	64	62	63	68	62	64
15	54	47	51	51	48	49	63	60	62	64	62	63
16	---	---	---	53	51	52	62	60	61	68	64	66
17	---	---	---	54	53	54	63	60	62	67	65	66
18	---	---	---	55	54	55	62	61	62	70	63	64
19	---	---	---	60	54	57	62	62	62	65	62	64
20	38	37	37	59	57	57	65	59	62	66	62	64
21	39	38	38	60	55	57	65	62	64	64	62	63
22	40	39	39	59	55	57	66	63	65	69	41	59
23	40	39	40	59	47	56	66	63	65	54	43	50
24	40	39	39	58	52	57	68	66	67	57	52	54
25	41	40	40	59	58	59	67	67	67	---	---	---
26	42	41	41	60	59	60	68	66	67	56	55	55
27	43	42	42	61	60	61	69	61	64	56	53	55
28	44	40	43	61	58	60	62	61	62	57	54	56
29	45	44	44	63	61	62	63	62	62	56	55	55
30	46	40	44	63	60	62	63	47	61	56	55	56
31	---	---	---	62	51	60	60	49	57	---	---	---
MONTH	---	---	---	---	---	---	69	38	62	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68 CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.4	19.7	20.5	13.9	12.0	13.1	8.9	6.2	7.2	11.0	10.3	10.6
2	21.5	20.0	20.8	12.8	11.0	12.0	8.0	5.1	6.5	11.4	10.6	10.9
3	21.4	19.9	20.8	13.0	11.8	12.4	9.1	6.1	7.7	11.0	7.3	9.4
4	21.2	20.0	20.7	13.9	12.9	13.3	8.9	6.6	7.9	7.4	5.7	6.7
5	22.2	20.8	21.4	13.5	13.0	13.3	7.7	5.1	6.5	8.6	6.1	7.2
6	21.6	20.2	21.0	14.1	12.7	13.6	7.7	6.2	7.0	7.8	6.4	7.1
7	21.7	20.7	21.2	13.0	11.3	12.2	7.3	5.0	6.1	6.8	5.0	6.0
8	20.9	18.7	19.9	12.9	10.6	11.9	7.5	5.0	6.3	8.1	5.4	6.7
9	18.7	17.5	17.8	14.6	11.4	12.9	8.2	6.7	7.4	10.5	7.6	8.8
10	18.4	17.6	17.9	16.8	14.6	15.6	7.9	7.3	7.6	10.7	8.0	9.8
11	19.8	18.4	19.0	17.1	16.5	16.8	9.1	7.6	8.6	8.0	5.6	6.5
12	20.2	18.6	19.5	16.5	14.9	15.9	9.6	8.5	9.0	6.0	4.4	5.3
13	21.1	19.8	20.4	14.9	12.4	13.4	9.1	8.1	8.7	6.4	4.8	5.5
14	19.8	17.8	18.7	12.7	10.5	11.7	8.7	7.3	8.2	7.1	4.5	5.8
15	17.8	15.2	15.9	12.9	10.0	11.5	8.3	6.1	7.3	6.4	4.6	5.5
16	17.4	15.7	16.6	13.7	12.9	13.3	9.5	6.9	8.2	5.1	3.8	4.6
17	16.2	14.5	15.3	13.1	10.0	11.5	9.7	8.0	8.7	5.2	3.5	4.6
18	15.3	13.2	14.3	11.0	8.5	9.9	9.4	8.4	8.8	3.5	1.5	2.7
19	15.8	13.2	14.5	11.6	9.8	10.6	10.6	8.7	9.4	4.4	2.2	3.3
20	16.7	14.6	15.6	11.9	10.3	11.1	11.1	8.9	10.4	7.1	3.0	4.8
21	17.6	16.7	17.0	13.3	11.7	12.4	8.9	6.9	8.0	10.5	7.1	9.0
22	16.9	15.7	16.4	12.2	9.1	10.7	10.4	7.2	8.8	10.4	8.5	9.7
23	15.7	15.2	15.4	9.8	7.7	8.8	9.6	7.4	8.8	8.5	2.6	5.5
24	16.3	15.1	15.7	11.0	8.3	9.6	9.6	7.8	8.8	3.1	0.5	1.9
25	15.9	15.3	15.5	11.0	8.4	9.8	9.1	6.9	8.2	4.7	2.0	3.2
26	16.4	15.3	15.8	11.5	8.5	10.1	7.4	5.9	6.6	6.2	4.1	4.9
27	17.1	15.8	16.5	11.5	8.4	10.4	7.2	5.3	6.3	5.1	3.2	4.3
28	18.5	17.1	17.6	8.4	6.9	7.7	7.4	5.4	6.5	6.4	2.5	4.4
29	18.2	16.6	17.7	8.2	5.7	7.1	8.8	6.3	7.4	8.6	6.4	7.5
30	17.1	15.5	16.4	10.2	8.1	9.0	9.0	6.5	7.8	8.9	8.4	8.7
31	15.5	13.9	14.6	---	---	---	10.3	8.2	9.1	8.9	7.7	8.2
MONTH	22.2	13.2	17.8	17.1	5.7	11.7	11.1	5.0	7.9	11.4	0.5	6.4

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68 CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.2	7.3	8.2	10.5	9.6	9.9	15.4	9.1	12.1	19.0	17.1	18.0
2	10.1	6.7	8.4	12.1	9.8	10.7	17.2	12.1	14.4	19.5	16.8	18.2
3	10.7	7.5	9.2	10.9	7.9	9.6	18.0	12.5	15.2	18.2	16.8	17.5
4	11.4	9.0	10.7	11.4	8.0	9.9	18.4	14.0	16.1	19.0	16.1	17.7
5	9.0	6.4	7.7	12.5	11.0	11.7	17.1	15.8	16.3	19.0	17.7	18.1
6	7.5	6.5	7.1	12.6	11.9	12.2	16.0	13.8	15.0	18.6	17.5	18.0
7	7.8	6.2	6.9	13.8	11.1	12.3	14.8	13.9	14.6	18.6	17.2	17.9
8	6.9	4.5	6.0	13.0	10.7	11.9	13.9	12.3	12.9	19.8	17.8	18.7
9	8.4	5.5	6.9	15.6	11.6	13.4	12.3	11.6	11.8	20.9	18.3	19.5
10	8.8	7.1	8.0	14.4	10.6	12.6	11.6	10.7	11.0	21.1	18.8	20.0
11	8.6	5.4	7.0	13.9	9.5	11.8	13.4	10.0	11.7	20.6	18.1	19.4
12	9.5	6.2	7.7	15.1	9.9	12.5	16.2	10.8	13.4	18.6	16.6	17.7
13	9.2	5.8	7.5	16.4	12.4	14.4	17.4	12.6	15.0	18.1	15.3	16.9
14	8.1	6.7	7.4	15.4	12.7	13.8	17.7	12.9	15.4	17.4	16.1	16.7
15	11.0	7.9	9.4	12.7	11.5	12.0	17.8	14.1	16.0	18.0	16.4	17.2
16	10.9	6.2	8.4	15.0	11.7	13.0	17.9	14.6	16.3	19.2	17.1	18.1
17	7.1	6.2	6.6	13.5	12.5	12.9	16.6	15.1	16.0	18.9	18.2	18.5
18	8.9	6.2	7.4	13.8	13.0	13.4	16.2	14.8	15.7	18.3	16.9	17.4
19	9.2	6.1	7.7	14.1	13.5	13.9	15.7	13.9	14.8	16.9	15.7	16.1
20	11.3	8.3	9.7	13.5	12.3	12.7	15.5	15.0	15.2	16.8	15.3	15.9
21	10.2	9.5	9.9	16.3	12.4	14.1	16.5	15.0	15.7	17.3	16.4	16.8
22	12.7	10.1	11.1	15.6	11.8	13.8	16.8	14.2	15.4	17.4	16.9	17.2
23	11.8	9.0	10.4	15.5	11.5	13.5	16.3	12.8	14.6	18.4	16.5	17.3
24	12.5	8.5	10.4	16.3	11.2	13.8	14.9	12.5	13.9	19.1	17.1	18.1
25	11.7	9.4	10.6	16.9	11.5	14.3	16.6	14.1	15.0	19.5	16.8	18.1
26	10.6	8.5	9.2	17.2	13.1	15.3	17.1	15.0	16.0	19.8	18.2	19.0
27	8.5	7.6	7.9	18.1	14.5	16.2	17.7	14.6	16.3	19.1	16.9	18.1
28	11.3	8.0	9.4	16.8	15.1	16.0	18.1	15.0	16.7	19.0	16.2	17.7
29	---	---	---	17.1	14.2	15.6	18.9	15.7	17.4	19.0	16.9	18.0
30	---	---	---	14.2	10.9	12.8	19.4	16.7	18.1	19.0	16.3	17.7
31	---	---	---	13.4	8.6	10.9	---	---	---	20.0	17.2	18.5
MONTH	12.7	4.5	8.5	18.1	7.9	12.9	19.4	9.1	14.9	21.1	15.3	17.9

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68 CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.3	17.3	18.5	21.8	20.4	20.8	24.0	21.9	22.7	23.8	22.6	23.2
2	18.7	16.2	17.6	20.7	19.8	20.2	24.2	22.7	23.4	23.4	22.0	22.7
3	19.1	17.8	18.4	22.2	19.3	20.7	23.3	21.8	22.7	23.6	22.1	22.9
4	20.7	18.5	19.5	22.5	20.1	21.2	23.0	21.9	22.5	23.5	22.4	22.9
5	19.9	17.6	18.9	21.6	20.4	20.9	23.6	21.9	22.7	22.8	21.5	22.2
6	22.2	18.0	19.7	21.9	20.6	21.2	23.2	21.9	22.4	21.9	20.8	21.5
7	21.5	19.5	20.4	22.5	20.4	21.5	22.8	20.9	21.8	20.8	19.7	20.3
8	21.8	20.0	20.9	23.0	20.7	21.9	22.8	21.0	22.1	20.5	18.9	19.8
9	21.3	19.1	20.3	23.4	21.2	22.4	22.8	21.0	22.0	20.8	18.7	19.8
10	21.3	18.4	20.1	23.2	21.5	22.4	22.9	21.2	22.1	20.8	19.2	20.0
11	22.0	19.8	21.0	22.9	21.1	21.9	23.3	20.9	21.9	20.7	18.8	19.8
12	21.7	20.1	21.0	23.0	20.9	21.8	22.6	21.1	21.8	20.5	18.5	19.5
13	21.8	20.3	21.0	---	---	---	22.3	21.2	21.8	20.4	17.8	19.2
14	22.7	20.1	21.1	---	---	---	23.4	21.2	22.3	21.0	19.0	20.0
15	22.3	20.0	21.1	23.0	20.7	21.7	23.9	22.1	23.0	21.8	20.1	20.9
16	---	---	---	23.0	21.0	22.1	23.9	22.5	23.2	21.1	19.1	20.1
17	---	---	---	22.8	21.1	22.0	23.8	22.0	22.9	20.4	18.7	19.6
18	---	---	---	22.9	21.1	22.1	24.2	22.2	23.1	20.0	17.3	18.8
19	---	---	---	23.2	21.3	22.3	23.8	22.5	23.2	20.5	17.9	19.2
20	22.0	19.7	20.8	23.6	21.5	22.6	23.7	22.7	23.2	20.9	18.4	19.7
21	21.1	18.0	19.6	23.4	21.5	22.5	24.1	22.3	23.2	20.8	18.6	19.8
22	20.8	17.8	19.4	22.9	21.5	22.1	23.9	22.1	23.1	22.0	20.4	20.9
23	21.2	18.2	19.8	23.0	20.8	21.8	24.4	22.4	23.4	21.4	19.5	20.4
24	21.4	19.2	20.4	22.5	20.0	21.4	23.7	22.5	23.0	20.0	18.0	19.2
25	21.5	19.4	20.6	22.1	19.7	21.1	23.4	22.4	22.9	---	---	---
26	21.7	19.7	20.8	22.6	20.9	21.8	24.0	21.9	23.0	---	---	---
27	21.2	19.9	20.6	23.0	21.0	22.0	24.3	22.5	23.4	20.8	18.3	19.6
28	21.7	20.0	21.0	23.6	21.6	22.6	24.3	22.5	23.4	20.7	17.5	19.3
29	22.1	20.3	21.2	24.0	22.1	23.0	24.0	22.0	23.0	17.5	15.1	16.1
30	22.5	20.6	21.5	23.2	21.8	22.3	24.1	22.2	23.0	16.4	13.8	15.1
31	---	---	---	23.6	21.3	22.3	24.1	22.6	23.4	---	---	---
MONTH	---	---	---	---	---	---	24.4	20.9	22.8	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68 CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	15	10	12	25	13	16	24	7.3	10	154	36	67
2	17	9.6	11	32	10	14	16	6.7	8.2	41	19	24
3	17	9.4	12	15	8.8	11	19	6.7	9.3	34	19	25
4	14	9.3	10	24	11	17	28	8.4	14	21	12	17
5	14	8.0	10	757	15	289	426	14	77	16	10	12
6	15	7.6	9.7	610	66	126	44	17	25	27	11	13
7	19	9.2	12	72	27	44	18	11	14	15	10	12
8	15	8.8	10	33	15	22	13	7.5	9.5	22	9.2	11
9	16	8.6	10	22	13	16	18	7.2	8.6	20	9.4	11
10	37	8.9	11	19	11	13	476	7.8	9.5	31	12	16
11	30	11	17	773	11	134	397	53	128	19	9.1	12
12	20	9.5	12	100	35	72	171	30	42	15	8.6	10
13	62	9.4	16	53	22	30	167	27	76	17	8.8	12
14	15	8.4	9.7	35	14	19	64	20	28	---	---	---
15	887	8.3	211	27	11	13	24	13	16	---	---	---
16	345	49	105	281	13	146	54	11	13	25	8.2	9.6
17	49	19	30	66	20	34	20	9.6	11	28	9.0	12
18	25	15	18	36	13	18	16	9.3	11	11	7.8	9.2
19	28	12	14	18	9.3	12	108	9.4	11	19	7.8	8.9
20	86	11	13	25	8.0	9.8	514	56	105	12	7.7	8.4
21	248	20	42	116	25	43	61	28	38	26	8.1	9.6
22	32	13	18	30	11	16	31	19	23	26	11	14
23	24	16	20	20	8.1	11	24	14	16	---	---	---
24	38	13	21	23	7.2	9.7	>1200	15	234	---	---	---
25	31	11	17	24	7.2	9.2	174	63	98	---	---	---
26	23	10	12	24	7.2	9.6	75	29	43	14	<5.0	8.9
27	15	8.9	11	20	7.0	9.3	35	21	27	11	7.5	8.3
28	>1200	9.7	12	26	7.4	9.2	87	18	23	23	7.2	11
29	503	101	226	18	7.1	8.9	24	15	17	97	7.8	13
30	104	29	54	15	7.3	8.3	19	13	16	321	94	131
31	35	17	24	---	---	---	50	12	14	108	50	69
MAX	1200	101	226	773	66	289	1200	63	234	---	---	---
MIN	14	7.6	9.7	15	7.0	8.3	13	6.7	8.2	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68 CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	51	27	36	132	30	59	17	9.6	11	18	10	11
2	27	15	17	111	26	57	64	9.4	18	21	9.5	12
3	19	12	15	99	25	42	---	---	---	15	9.3	11
4	49	12	21	93	28	48	---	---	---	34	8.8	10
5	30	12	15	1090	<5.0	40	---	---	---	>1200	8.9	15
6	171	11	14	>1200	<5.0	478	---	---	---	>1200	183	484
7	198	44	74	220	---	---	---	---	---	365	91	145
8	48	28	33	---	---	---	---	---	---	233	52	96
9	29	19	21	---	---	---	38	12	15	129	37	66
10	172	21	63	---	---	---	220	12	35	77	15	61
11	41	20	24	---	---	---	199	22	64	38	14	16
12	34	14	17	---	---	---	73	13	27	31	12	15
13	33	11	14	---	---	---	---	---	---	22	11	12
14	52	11	15	---	---	---	---	---	---	16	9.4	11
15	19	9.5	11	---	---	---	---	---	---	836	9.7	133
16	745	11	226	---	---	---	---	---	---	116	20	29
17	437	80	106	---	---	---	---	---	---	20	13	17
18	84	40	61	104	27	34	---	---	---	648	13	122
19	43	23	31	>1200	26	151	14	6.7	7.5	170	23	38
20	24	15	18	1180	131	350	12	6.4	8.0	33	16	20
21	57	17	26	140	54	79	24	6.7	10	30	14	16
22	>1200	20	33	55	34	42	25	8.5	11	930	20	320
23	>1200	113	180	50	23	28	14	7.2	8.8	121	35	57
24	295	70	102	30	18	21	22	6.9	8.4	38	22	28
25	96	32	44	29	19	22	1180	8.4	218	>1200	16	21
26	186	29	36	33	15	18	237	30	56	996	32	90
27	161	64	108	25	14	17	32	18	23	40	18	25
28	95	32	61	18	12	14	30	14	16	24	14	18
29	---	---	---	17	11	13	17	11	14	22	6.1	14
30	---	---	---	29	12	19	16	10	12	12	5.6	7.4
31	---	---	---	19	11	13	---	---	---	12	5.8	8.0
MAX	1200	113	226	---	---	---	---	---	---	1200	183	484
MIN	19	9.5	11	---	---	---	---	---	---	12	5.6	7.4

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U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340037 LONGITUDE 0835339 NAD27 DRAINAGE AREA 5.68 CONTRIBUTING DRAINAGE AREA DATUM 935.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16	5.0	6.3	>1200	182	710	>1200	36	79	32	13	17
2	13	<5.0	6.0	>1200	183	554	>1200	32	83	29	10	13
3	402	<5.0	46	1060	44	104	701	21	31	64	10	18
4	45	10	18	---	---	---	119	33	62	46	9.8	12
5	15	7.0	9.6	---	---	---	61	18	26	28	7.7	9.5
6	592	6.0	18	---	---	---	42	21	25	10	6.7	8.0
7	>1200	79	256	---	---	---	28	14	20	12	6.2	7.6
8	551	39	96	43	17	21	>1200	12	14	60	6.2	8.2
9	47	18	28	21	14	17	543	32	60	26	6.4	8.9
10	23	12	18	---	---	---	48	18	30	22	6.4	7.9
11	36	12	15	---	---	---	>1200	11	15	10	6.4	7.5
12	46	7.7	13	---	---	---	543	36	77	11	6.4	7.6
13	>1200	12	20	---	---	---	38	19	23	15	6.9	8.1
14	1180	98	242	---	---	---	43	14	18	17	7.0	8.0
15	284	40	86	117	38	60	22	12	13	17	6.5	7.5
16	---	---	---	39	24	31	30	10	13	18	5.7	7.4
17	---	---	---	26	16	20	50	13	20	9.6	5.2	6.6
18	>1200	60	258	44	14	17	21	9.2	11	18	5.3	6.1
19	516	52	119	34	12	16	11	8.3	9.5	12	5.4	6.2
20	62	26	34	24	11	12	174	8.1	32	15	5.4	6.7
21	30	16	22	267	9.7	12	22	9.6	12	18	6.3	7.6
22	20	11	15	421	39	145	15	8.9	10	>1200	6.9	9.3
23	16	8.6	13	1070	62	235	16	8.4	9.5	581	57	139
24	14	6.6	9.8	305	29	50	13	8.5	9.7	101	26	38
25	19	6.5	8.7	226	22	44	25	8.8	12	---	---	---
26	15	<5.0	8.2	28	15	17	---	---	---	---	---	---
27	19	<5.0	6.8	22	13	14	---	---	---	115	11	13
28	591	19	78	26	11	13	20	9.6	12	125	20	34
29	42	8.7	14	40	11	13	14	8.7	11	---	---	---
30	>1200	6.9	9.3	177	11	15	1130	8.0	12	---	---	---
31	---	---	---	>1200	18	48	680	32	100	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA

LOCATION.—Lat 34°00'37", long 83°53'39" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070101, 3.0 miles north of Dacula, and 2.5 miles west of Auburn.

DRAINAGE AREA.—5.68 square miles (revised).

COOPERATION.—Gwinnett County Department of Public Works.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—July 25, 2001 to current year.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory and Missouri District Water Quality Laboratory. Field values with analyzing agency code 1028 are median values of cross-section field data at the time of sample collection. Field determinations of discharge, specific conductance, pH, water temperature, air temperature, dissolved oxygen, and turbidity by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Hydrologic condition	Hydrologic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, NTU (00076)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)
OCT													
25...	1000	--	9	9	81213	.54	4.2	10	15	6.9	62	50	10
DEC													
10-10	1725	1735	A	J	81213	.74	14	10	27	6.5	62	37	50
17...	1305	--	9	9	81213	.67	8.7	10	9.6	6.9	60	42	6
MAR													
24...	1340	--	9	9	81213	.73	12	10	21	7.1	54	42	13
APR													
03...	1210	--	9	9	81213	.66	6.4	10	13	6.8	56	39	6
25-25	0625	0635	A	J	81213	1.15	50	10	360	6.6	52	34	444
MAY													
15-15	1035	1045	A	J	81213	1.12	52	10	260	7.0	57	42	282
JUN													
13-13	1825	1835	A	J	81213	2.75	256	10	1100	6.2	38	25	1190
JUL													
17...	1230	--	9	9	81213	.75	11	10	--	6.9	59	52	8
AUG													
18...	1135	--	9	9	81213	.64	8.7	10	11	6.6	74	49	10
AUG													
20-20	1000	1010	7	J	81213	.80	21	10	110	6.3	65	49	88

02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA —continued.

Date	Residue volatile, suspended, mg/L (00535)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sampler type, code (84164)
OCT													
25...	5	<.20	.041	.32	.340	<.02	<.02	--	2.6	257	--	22	8010
DEC													
10-10	8	.40	.072	.36	.360	<.02	.02	.76	2.0	500	83	46	3044
17...	4	<.20	.038	.44	.440	<.02	<.02	--	1.6	26k	--	6	3044
MAR													
24...	1	<.20	.043	.41	.420	<.02	<.02	--	1.5	17	--	24	3044
APR													
03...	2	<.20	.042	.41	.410	<.02	<.02	--	1.4	98	--	14	3044
25-25	67	2.4	.319	.59	.600	<.02	.28	3.0	2.9	1600	64	557	3044
MAY													
15-15	47	1.7	.310	.43	.460	<.02	.18	2.2	3.7	6400	64	371	3044
JUN													
13-13	148	2.8	.232	.50	.500	<.02	.50	3.3	4.7	28000k	34	3570	3044
JUL													
17...	<1	.20	A.052	.31	.330	<.02	<.02	.53	2.1	133	--	19	3044
AUG													
18...	1	<.20	A.055	.41	.410	<.02	<.02	--	2.1	60	--	15	3044
AUG													
20-20	14	.80	A.224	.63	.630	<.02	.06	1.4	3.5	3200	84	88	3044

Date	Time	Ending time	Hydrologic condition	Hydrologic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT													
25...	1005	--	A	9	1028	.54	4.2	40	14	8.8	91	6.7	67
DEC													
10-10	1740	1750	A	J	1028	.83	21	40	77	10.9	97	6.1	54
17...	1312	--	A	9	1028	.67	8.7	40	10	10.9	97	6.4	60
MAR													
24...	1400	--	A	9	1028	.73	12	10	27	9.8	100	6.4	53
APR													
03...	1215	--	A	9	--	.66	6.4	10	15	10.0	98	5.9	56
25-25	0635	0640	A	J	1028	1.16	51	40	440	9.2	90	6.8	53
MAY													
15-15	1050	1055	A	J	1028	1.15	55	40	320	8.9	92	6.8	57
JUN													
13-13	1840	2343	5	J	1028	2.65	242	10	1300	7.8	92	6.1	38
JUL													
10-10	1545	1550	5	J	1028	1.21	55	40	590	9.0	109	6.5	50
17...	1245	--	9	9	1028	.75	11	40	21	8.4	99	6.6	55
AUG													
18...	1145	--	9	9	1028	.65	9.3	40	12	8.8	104	6.2	73
20-20	1005	1010	7	J	1028	.80	21	40	130	7.6	90	6.4	60

02218565 APALACHEE RIVER AT FENCE ROAD, NEAR DACULA, GA —continued.

Date	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sampler type, code (84164)
OCT					
25...	14.5	15.2	--	16	--
DEC					
10-10	5.5	7.8	81	74	3002
17...	--	9.1	--	5	8000
MAR					
24...	18.0	15.5	--	11	3001
APR					
03...	--	15.2	--	20	3001
25-25	--	14.2	69	551	3001
MAY					
15-15	--	16.8	75	394	3001
JUN					
13-13	--	21.7	--	--	--
JUL					
10-10	23.0	23.3	--	--	8000
17...	--	22.0	--	17	3001
AUG					
18...	33.8	22.8	--	15	3001
20-20	--	22.8	95	91	3001

Remark codes used in this report:
< -- Less than
> -- Greater than
A -- Average value
E -- Estimated value
S -- Most probable value

Value qualifier codes used in this report:
a -- Value was extrapolated above
f -- Sample field preparation problem
k -- Counts outside acceptable range
l -- Sample lab preparation problem
q -- Insufficient sample received

02218700 APALACHEE RIVER NEAR BETHLEHEM, GA

LOCATION.—Lat 33°54’02”, long 83°43’25” referenced to North American Datum (NAD) of 1927, Barrow County, Hydrologic Unit 03070101, at bridge crossing at GA 11, 6.3 miles below Williamson Creek, and 49.2 miles above mouth.

DRAINAGE AREA.—54.0 square miles.

COOPERATION.—U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---September 1963 to April 1964, January 1999 to May 2000, and March 2003, to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
APR													
01...	0900	9	80020	1.62	87	10	9.3	755	10.8	97	7.0	52	10.4
SEP													
16...	1515	9	80020	1.11	40	10	15	741	7.7	86	6.8	59	20.9

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)
APR													
01...	2.37	2.2	.16	E.03	.92	<.008	E.01	.06	.017	1.1	.3	<.1	.3
SEP													
16...	4.01	1.5	.19	<.04	.79	<.008	<.02	.02	.015	.98	.2	<.1	.2

Date	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)
APR													
01...	1.7	73	<.09	<.006	<.1	<.005	E.003	<.004	<.004	E.001	<.006	<.004	.008
SEP													
16...	2.0	210	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007

Date	Azinphosmethyl oxon, water, fltrd, ug/L (61635)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)
APR													
01...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.04	<.005
SEP													
16...	--u	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005

02218700 APALACHEE RIVER NEAR BETHLEHEM, GA—continued.

Date	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinylfipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)
APR													
01...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
SEP													
16...	<.08	<.005	<.006	<.03	<.004	<.008	--u	<.03	<.009	<.005	<.005	<.007	<.002

Date	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methidathion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)
APR													
01...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
SEP													
16...	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)
APR													
01...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	.124	<.02	<.07	<.02	<.01
SEP													
16...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	.033	<.02	<.07	<.02	<.01

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
APR						
01...	<.009	<.01	92	9	15.00	3045
SEP						
16...	<.009	<.01	98	7	15.00	3045

02218700 APALACHEE RIVER NEAR BETHLEHEM, GA—continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
APR								
30...	1030	D	25.6	E110	E133.0	7.2	17.7	280

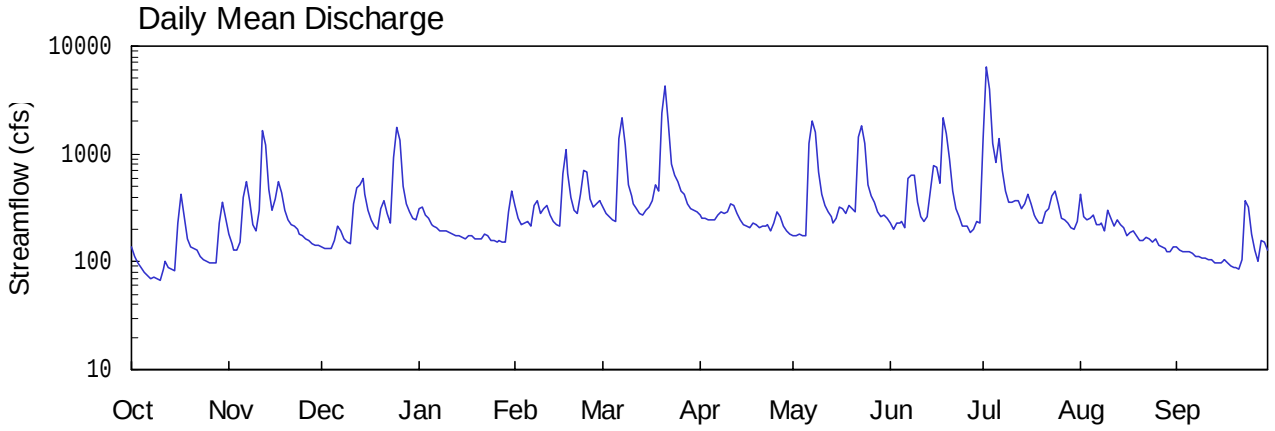
Remark codes used in this report:
< -- Less than
E -- Estimated value

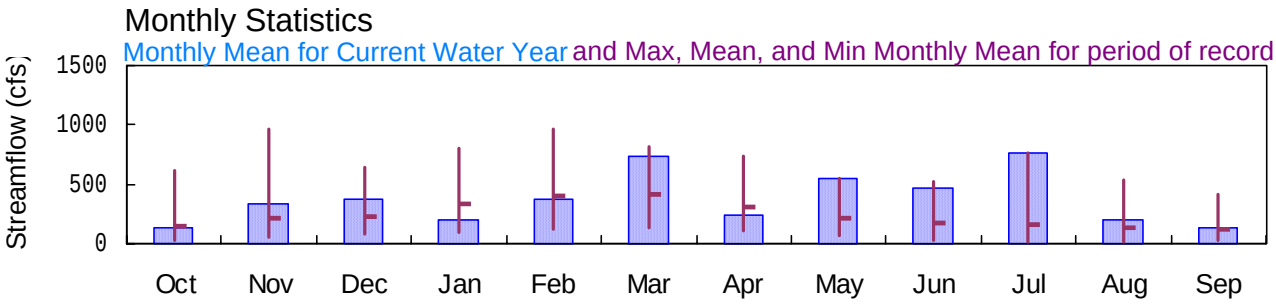
Null value qualifier codes used in this report:
u -- Unable to determine-matrix interference

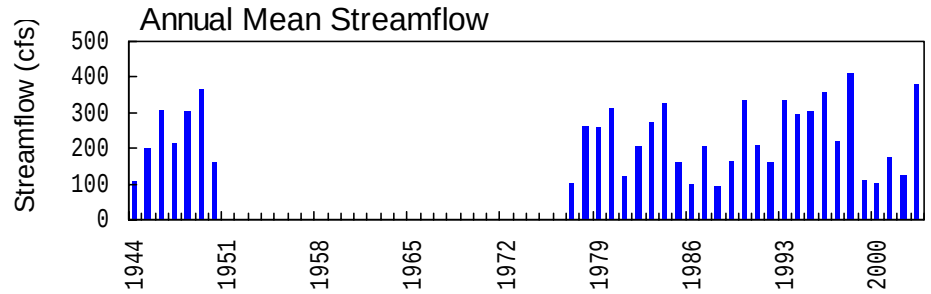
2003 Water Year

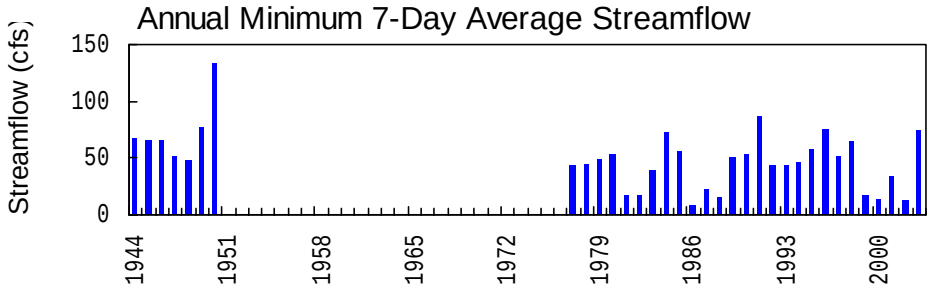
02219000 APALACHEE RIVER NEAR BOSTWICK, GA

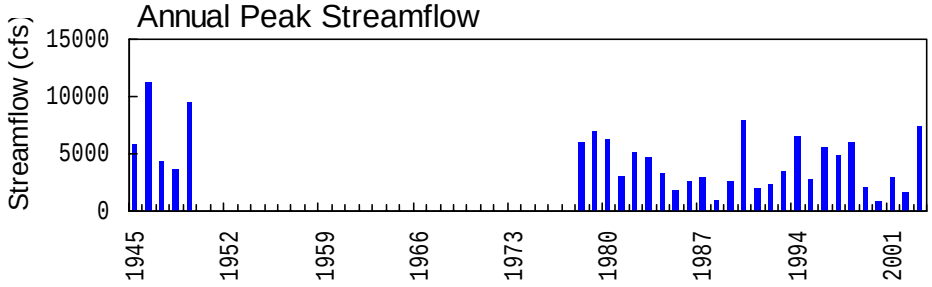
Latitude: 33°47'17" Longitude: 083°28'27" Hydrologic Unit Code: 03070101 Oconee County
Drainage Area: 176 mi² Datum: 544.1 feet

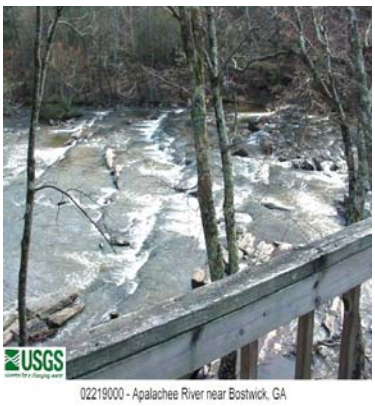












ALTAMAHA RIVER BASIN
2003 Water Year

02219000 APALACHEE RIVER NEAR BOSTWICK, GA

LOCATION.—Lat 33°47'17", long 83°28'27" referenced to North American Datum (NAD) of 1983, Morgan-Oconee County line, Hydrologic Unit 03070101, on left bank 1,000 feet upstream from bridge on Price Mill Road, 3.0 miles southwest of Bishop, 4.0 miles upstream from Jacks Creek, and 4.0 miles northeast of Bostwick.

DRAINAGE AREA.—176 square miles.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1944 to December 1949, April 1977 to current year.

REVISED RECORDS.—WDR GA-91-1: 1946(M), 1949(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 544.14 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good. Some regulation at low flow occurs due to the operation of the High Shoals power plant.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,200 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/07	0815	2,300	4.34
03/21	1145	4,800	6.12
05/22	1400	2,590	4.57
06/18	1900	3,260	5.05
07/02	1500	7,380*	7.43*
07/06	0030	2,490	4.49

WATER-STAGE RECORDS

PERIOD OF RECORD.—July 1944 to December 1949, April 1977 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 544.14 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 7.43 feet, July 2; minimum gage-height recorded, 1.48 feet, October 14.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02219000 APALACHEE RIVER NEAR BOSTWICK, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 219
LATITUDE 334717 LONGITUDE 0832827 NAD27 DRAINAGE AREA 176 CONTRIBUTING DRAINAGE AREA 176* DATUM 544.14 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	135	178	139	314	334	322	271	173	233	1400	417	136
2	113	147	135	321	251	285	258	172	197	6340	264	127
3	99	130	131	270	222	267	250	182	225	4050	244	125
4	88	127	131	250	226	246	245	173	231	1270	257	126
5	80	151	157	223	234	240	242	172	239	842	272	123
6	74	391	215	210	211	1370	244	1270	209	1410	224	119
7	71	561	195	204	330	2170	268	2040	597	702	218	114
8	73	362	163	193	374	1220	294	1570	630	451	227	111
9	70	225	151	192	283	515	285	670	633	358	194	109
10	66	191	149	194	307	404	292	427	361	355	295	108
11	86	305	342	189	338	348	344	337	266	364	252	105
12	100	1640	478	178	275	306	338	293	237	370	213	103
13	87	1220	509	173	240	285	279	258	261	306	248	99
14	84	471	593	172	223	271	245	232	452	349	219	98
15	82	302	420	168	213	305	222	255	768	424	207	99
16	230	380	297	165	654	322	215	318	754	345	176	106
17	423	551	246	173	1090	367	208	312	545	268	185	98
18	266	443	217	174	666	524	232	282	2140	252	193	92
19	160	303	201	162	398	456	223	329	1540	229	172	89
20	136	247	316	161	304	2410	209	316	901	227	156	87
21	134	223	367	164	277	4210	213	292	445	292	160	85
22	130	217	280	179	429	1950	215	1430	315	309	166	104
23	112	203	230	174	692	808	220	1850	262	410	164	365
24	103	181	920	159	679	638	192	1260	213	456	154	320
25	99	172	1790	156	382	559	230	522	211	347	160	183
26	99	165	1340	154	317	447	290	403	211	255	142	129
27	99	157	495	155	342	417	262	360	186	241	135	102
28	98	149	347	151	365	348	212	293	199	226	131	155
29	228	144	290	155	---	315	193	264	241	207	126	150
30	353	143	257	292	---	304	182	275	232	201	125	130
31	250	---	242	451	---	294	---	257	---	233	137	---
TOTAL	4228	10079	11743	6276	10656	22923	7373	16987	13934	23489	6233	3897
MEAN	136	336	379	202	381	739	246	548	464	758	201	130
MAX	423	1640	1790	451	1090	4210	344	2040	2140	6340	417	365
MIN	66	127	131	151	211	240	182	172	186	201	125	85
CFSM	0.77	1.91	2.15	1.15	2.16	4.20	1.40	3.11	2.64	4.31	1.14	0.74
IN.	0.89	2.13	2.48	1.33	2.25	4.85	1.56	3.59	2.95	4.96	1.32	0.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2003, BY WATER YEAR (WY)

MEAN	153	221	233	332	402	409	310	220	170	157	132	120
MAX	613	969	647	799	969	816	734	548	525	758	531	420
(WY)	1996	1949	1984	1946	1998	1980	1979	2003	1994	2003	1994	1994
MIN	32.0	51.0	85.5	95.6	115	132	106	61.9	29.7	14.8	20.1	27.2
(WY)	1982	1982	2002	1981	1989	1988	1986	2000	1988	1986	2002	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1944 - 2003	
ANNUAL TOTAL	65383		137818			
ANNUAL MEAN	179		378		239	
HIGHEST ANNUAL MEAN					411	1998
LOWEST ANNUAL MEAN					94.3	1988
HIGHEST DAILY MEAN	1790	Dec 25	6340	Jul 2	6700	Jan 7 1946
LOWEST DAILY MEAN	12	Aug 14	66	Oct 10	7.5	Aug 10 1986
ANNUAL SEVEN-DAY MINIMUM	13	Aug 11	74	Oct 5	7.9	Aug 5 1986
MAXIMUM PEAK FLOW			7380	Jul 2	11200	Jan 6 1946
MAXIMUM PEAK STAGE			7.43	Jul 2	8.90	Jan 6 1946
ANNUAL RUNOFF (CFSM)	1.02		2.15		1.36	
ANNUAL RUNOFF (INCHES)	13.82		29.13		18.42	
10 PERCENT EXCEEDS	357		644		420	
50 PERCENT EXCEEDS	130		242		152	
90 PERCENT EXCEEDS	26		114		57	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02219000 APALACHEE RIVER NEAR BOSTWICK, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 219
LATITUDE 334717 LONGITUDE 0832827 NAD27 DRAINAGE AREA 176 CONTRIBUTING DRAINAGE AREA 176* DATUM 544.14 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.95	2.09	1.99	2.47	2.50	2.48	2.38	2.11	2.28	3.38	2.57	1.93
2	1.85	1.99	1.97	2.48	2.33	2.41	2.34	2.11	2.18	6.94	2.31	1.90
3	1.79	1.93	1.96	2.37	2.26	2.37	2.33	2.14	2.26	5.58	2.26	1.89
4	1.73	1.91	1.96	2.33	2.27	2.32	2.31	2.11	2.28	3.51	2.29	1.89
5	1.69	2.00	2.06	2.26	2.28	2.30	2.31	2.11	2.30	3.11	2.32	1.88
6	1.65	2.57	2.23	2.22	2.22	3.52	2.31	3.49	2.22	3.62	2.20	1.86
7	1.63	2.84	2.18	2.21	2.49	4.24	2.37	4.13	2.82	2.98	2.19	1.84
8	1.64	2.52	2.08	2.17	2.58	3.46	2.42	3.76	2.94	2.65	2.21	1.83
9	1.62	2.23	2.04	2.17	2.40	2.80	2.41	2.98	2.94	2.50	2.12	1.82
10	1.60	2.14	2.03	2.18	2.45	2.63	2.42	2.67	2.55	2.48	2.37	1.81
11	1.71	2.35	2.50	2.16	2.51	2.53	2.53	2.51	2.36	2.51	2.27	1.80
12	1.79	3.81	2.74	2.13	2.38	2.45	2.51	2.42	2.29	2.52	2.17	1.79
13	1.72	3.47	2.78	2.11	2.30	2.41	2.39	2.34	2.35	2.40	2.26	1.77
14	1.69	2.72	2.90	2.11	2.26	2.38	2.31	2.28	2.70	2.48	2.19	1.76
15	1.69	2.44	2.65	2.09	2.23	2.45	2.25	2.33	3.08	2.61	2.15	1.77
16	2.21	2.57	2.43	2.09	2.84	2.48	2.23	2.47	3.07	2.47	2.07	1.80
17	2.64	2.85	2.32	2.11	3.37	2.55	2.22	2.46	2.84	2.31	2.10	1.76
18	2.32	2.69	2.24	2.11	2.97	2.81	2.28	2.40	4.18	2.27	2.11	1.73
19	2.04	2.44	2.20	2.08	2.62	2.71	2.26	2.50	3.73	2.22	2.05	1.71
20	1.95	2.32	2.46	2.07	2.45	4.42	2.22	2.47	3.20	2.21	2.00	1.70
21	1.94	2.26	2.57	2.08	2.39	5.73	2.23	2.42	2.70	2.36	2.02	1.69
22	1.92	2.24	2.39	2.13	2.64	4.05	2.24	3.54	2.47	2.39	2.04	1.77
23	1.85	2.20	2.27	2.11	3.00	3.12	2.24	3.97	2.35	2.59	2.03	2.51
24	1.81	2.14	3.07	2.06	2.98	2.95	2.17	3.50	2.22	2.66	2.00	2.42
25	1.79	2.11	3.92	2.05	2.59	2.86	2.27	2.80	2.21	2.48	2.01	2.09
26	1.78	2.09	3.57	2.05	2.47	2.70	2.42	2.63	2.21	2.29	1.95	1.89
27	1.79	2.05	2.76	2.05	2.52	2.65	2.35	2.55	2.13	2.25	1.93	1.77
28	1.78	2.03	2.53	2.04	2.57	2.53	2.23	2.42	2.18	2.21	1.91	2.00
29	2.21	2.01	2.42	2.05	---	2.47	2.17	2.36	2.30	2.16	1.89	1.98
30	2.52	2.01	2.34	2.40	---	2.45	2.14	2.38	2.27	2.15	1.88	1.90
31	2.29	---	2.30	2.71	---	2.42	---	2.34	---	2.22	1.93	---
MEAN	1.89	2.37	2.45	2.18	2.53	2.89	2.31	2.67	2.59	2.79	2.12	1.88
MAX	2.64	3.81	3.92	2.71	3.37	5.73	2.53	4.13	4.18	6.94	2.57	2.51
MIN	1.60	1.91	1.96	2.04	2.22	2.30	2.14	2.11	2.13	2.15	1.88	1.69

02220450 LAKE OCONEE NEAR EATONTON, GA

LOCATION.—Lat 33°21'00", long 83°09'28" referenced to North American Datum (NAD) of 1927, Putnam County, Hydrologic Unit 03070101, on Oconee River, 1.5 miles upstream from bridge on GA 16, and 13.3 miles east of Eatonton.

REMARKS.—Water levels and lake contents are collected by Georgia Power Corporation. Please see the following Internet location for more information:

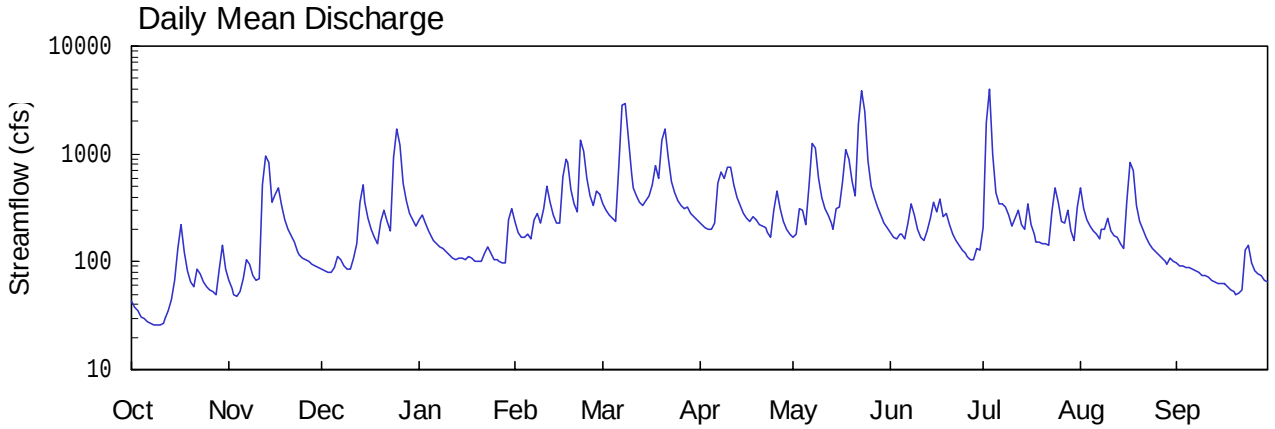
http://lakes.southernco.com/

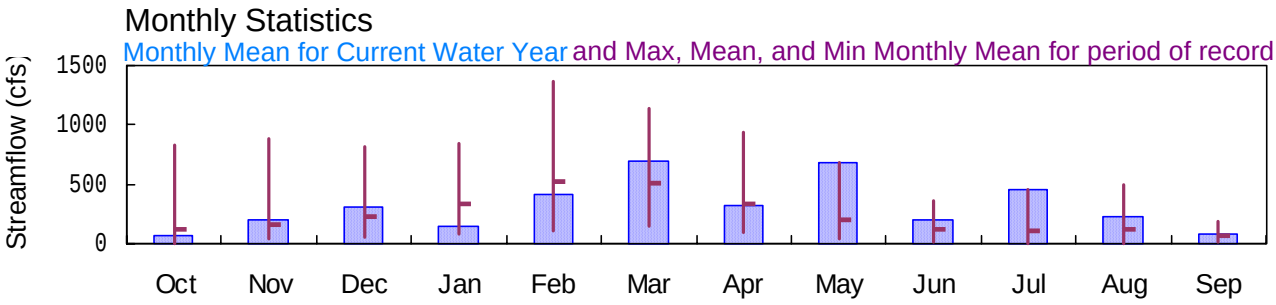
or call: 1-888-GPC-LAKE (1-888-472-5253)

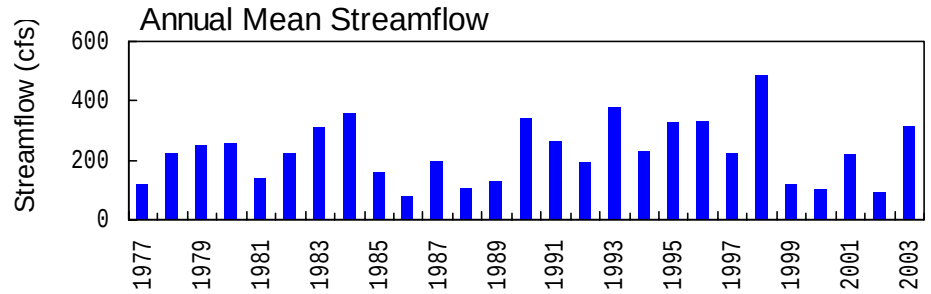
2003 Water Year

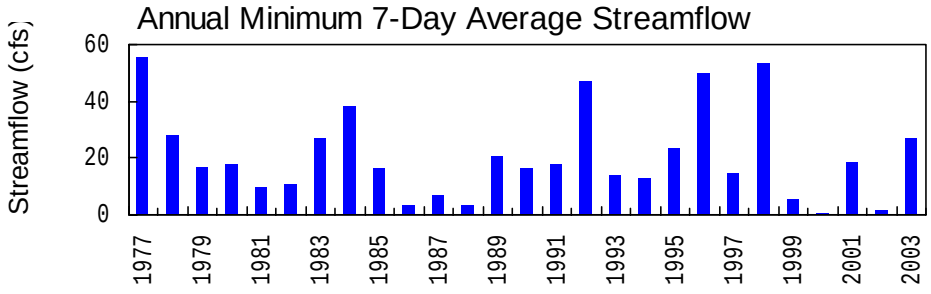
02220900 LITTLE RIVER NEAR EATONTON, GA

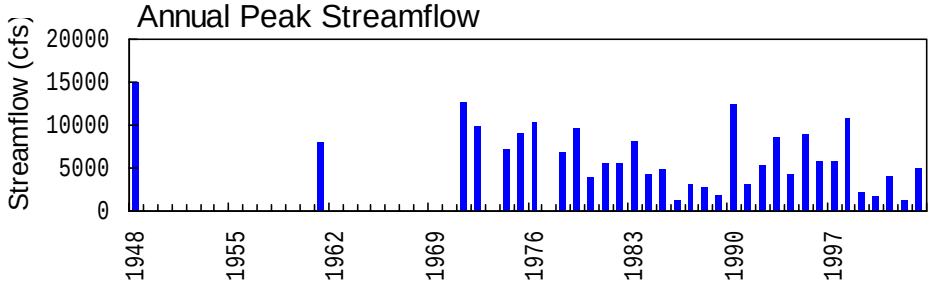
Latitude: 33°18'50" Longitude: 083°26'14" Hydrologic Unit Code: 03070101 Putnam County
Drainage Area: 262 mi² Datum: 356.0 feet











ALTAMAHA RIVER BASIN
2003 Water Year

02220900 LITTLE RIVER NEAR EATONTON, GA

LOCATION.—Lat 33°18'50", long 83°26'14" referenced to North American Datum (NAD) of 1983, Putnam County, Hydrologic Unit 03070101, on right bank, 80.0 feet upstream from bridge on GA 16, 0.9 miles downstream from Glady Creek, and 3.0 miles west of Eatonton.

DRAINAGE AREA.—262 square miles.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Water years 1971-77 (annual maximum), August 1977 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 356.03 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment). From February 19, 1970 to August 1, 1977, a crest-stage gage was located on the downstream side of bridge 80.0 feet downstream. From August 2, 1977 to August 25, 1987, a water-stage recorder was located 80.0 feet downstream on downstream side of bridge and datum 4.00 feet higher. From August 26, 1987 to December 10, 1995, a gage was located at downstream side of bridge 80.0 feet downstream and at same datum. From December 11, 1995 to August 8, 1997, a water-stage recorder was located at a site 20.0 feet upstream at same datum.

REMARKS.—Records good.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
12/25	0800	2,010	11.86
02/22	1400	2,530	13.24
03/08	0445	3,570	15.71
05/18	1945	2,090	12.07
05/23	0315	4,450	17.58
07/03	0815	4,910*	18.53*

02220900 LITTLE RIVER NEAR EATONTON, GA --continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—Water years 1971-77 (annual maximum), August 1977 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 356.03 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment). From February 19, 1970 to August 1, 1977, a crest-stage gage was located on the downstream side of bridge 80.0 feet downstream. From August 2, 1977 to August 25, 1987, a water-stage recorder was located 80.0 feet downstream on downstream side of bridge and datum 4.00 feet higher. From August 26, 1987 to December 10, 1995, a gage was located at downstream side of bridge 80.0 feet downstream and at same datum. From December 11, 1995 to August 8, 1997, a water-stage recorder was located at a site 20.0 feet upstream at same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 18.53 feet, July 3; minimum gage-height recorded, 3.30 feet, October 10.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 21, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02220900 LITTLE RIVER NEAR EATONTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 237
LATITUDE 331850 LONGITUDE 0832614 NAD27 DRAINAGE AREA 262 CONTRIBUTING DRAINAGE AREA 262* DATUM 356.03 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	68	86	242	237	340	229	168	186	210	491	98
2	38	57	82	271	189	304	218	180	170	1940	313	92
3	35	50	80	230	167	274	208	312	163	3950	245	91
4	31	48	80	194	167	249	200	297	182	1000	217	88
5	30	53	87	170	181	234	201	222	179	441	195	88
6	28	69	111	157	161	788	227	495	161	347	178	85
7	27	106	104	146	243	2840	535	1270	230	339	164	82
8	26	94	92	138	284	2970	689	1130	340	327	200	79
9	26	75	86	133	228	1380	586	600	276	274	198	75
10	26	67	84	124	316	666	743	399	203	216	256	74
11	27	70	108	117	506	487	744	316	169	249	194	73
12	30	519	148	107	354	402	520	273	159	302	175	67
13	35	949	355	104	272	352	395	230	195	218	168	65
14	45	821	511	107	225	328	327	199	251	198	149	63
15	e67	355	351	107	226	372	284	307	353	343	135	62
16	e135	418	250	104	617	405	257	327	286	220	372	62
17	223	481	199	110	887	520	237	564	376	178	832	58
18	124	331	166	107	825	788	266	1090	262	154	715	54
19	81	244	149	101	464	596	248	897	282	151	336	52
20	64	200	233	100	347	1350	220	557	224	150	239	50
21	e58	173	304	100	286	1730	211	402	180	145	199	52
22	e84	153	236	121	1340	938	203	1910	158	142	168	55
23	76	126	192	140	1070	549	185	3830	140	294	146	128
24	65	117	932	118	596	436	170	2520	129	492	132	142
25	e58	110	1690	104	404	374	304	860	122	356	122	99
26	e55	104	1220	103	327	333	446	502	111	241	116	83
27	e53	100	532	102	446	315	311	392	104	232	109	76
28	e50	93	367	97	429	318	236	323	104	303	101	74
29	e84	90	285	99	---	284	202	270	131	195	95	68
30	e140	88	241	242	---	260	183	232	128	159	108	65
31	87	---	216	315	---	243	---	207	---	325	102	---
TOTAL	1952	6229	9577	4410	11794	21425	9785	21281	5954	14091	7170	2300
MEAN	63.0	208	309	142	421	691	326	686	198	455	231	76.7
MAX	223	949	1690	315	1340	2970	744	3830	376	3950	832	142
MIN	26	48	80	97	161	234	170	168	104	142	95	50
CFSM	0.24	0.79	1.18	0.54	1.61	2.64	1.24	2.62	0.76	1.73	0.88	0.29
IN.	0.28	0.88	1.36	0.63	1.67	3.04	1.39	3.02	0.85	2.00	1.02	0.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2003, BY WATER YEAR (WY)

MEAN	118	161	224	330	524	511	330	207	127	108	119	67.2
MAX	833	885	814	838	1363	1137	941	686	368	455	496	192
(WY)	1990	1993	1998	1978	1995	1998	1983	2003	2001	2003	1994	1992
MIN	6.01	39.2	54.7	77.6	101	142	94.5	34.6	10.9	1.41	3.98	13.9
(WY)	1988	1988	1989	1981	1989	1988	1986	2000	2000	2000	2002	1987

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1977 - 2003	
ANNUAL TOTAL	46800.1		115968			
ANNUAL MEAN	128		318		234	
HIGHEST ANNUAL MEAN					488	1998
LOWEST ANNUAL MEAN					81.9	1986
HIGHEST DAILY MEAN	1690	Dec 25	3950	Jul 3	11400	Oct 2 1989
LOWEST DAILY MEAN	1.4	Aug 27	26	Oct 8	0.17	Jul 21 2000
ANNUAL SEVEN-DAY MINIMUM	1.9	Aug 11	27	Oct 5	0.30	Jul 18 2000
MAXIMUM PEAK FLOW			4910	Jul 3	12600	Mar 3 1971
MAXIMUM PEAK STAGE			18.53	Jul 3	28.78	Mar 18 1990
INSTANTANEOUS LOW FLOW			25	Oct 10		
ANNUAL RUNOFF (CFSM)	0.49		1.21		0.89	
ANNUAL RUNOFF (INCHES)	6.64		16.47		12.12	
10 PERCENT EXCEEDS	287		598		461	
50 PERCENT EXCEEDS	76		200		116	
90 PERCENT EXCEEDS	6.4		66		28	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02220900 LITTLE RIVER NEAR EATONTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 237
LATITUDE 331850 LONGITUDE 0832614 NAD27 DRAINAGE AREA 262 CONTRIBUTING DRAINAGE AREA 262* DATUM 356.03 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.58	3.89	4.11	5.34	5.31	5.90	5.07	4.67	4.87	4.99	6.59	4.23
2	3.50	3.77	4.07	5.51	5.00	5.70	5.00	4.74	4.77	11.56	5.66	4.17
3	3.46	3.70	4.05	5.27	4.85	5.53	4.94	5.56	4.73	16.44	5.26	4.16
4	3.40	3.68	4.05	5.03	4.86	5.38	4.89	5.47	4.86	8.61	5.08	4.13
5	3.38	3.74	4.12	4.87	4.95	5.29	4.89	5.03	4.84	6.35	4.94	4.13
6	3.36	3.92	4.33	4.78	4.81	7.66	5.06	6.34	4.71	5.85	4.83	4.10
7	3.34	4.27	4.28	4.70	5.34	13.90	6.58	9.63	5.16	5.80	4.73	4.07
8	3.33	4.16	4.17	4.65	5.59	14.28	7.50	9.14	5.81	5.74	4.97	4.04
9	3.33	3.99	4.11	4.61	5.25	9.91	7.03	7.09	5.44	5.43	4.91	4.00
10	3.32	3.91	4.09	4.54	5.73	7.39	7.73	6.07	4.99	5.08	5.29	3.99
11	3.33	3.94	4.30	4.48	6.72	6.54	7.73	5.58	4.77	5.28	4.93	3.98
12	3.37	6.62	4.62	4.40	5.97	6.08	6.70	5.33	4.69	5.60	4.81	3.92
13	3.45	8.51	5.80	4.38	5.51	5.80	6.04	5.08	4.94	5.09	4.76	3.90
14	3.58	7.97	6.70	4.40	5.24	5.66	5.65	4.88	5.29	4.96	4.63	3.88
15	---	5.89	5.87	4.40	5.24	5.91	5.40	5.52	5.88	5.83	4.52	3.87
16	---	6.20	5.28	4.37	7.01	6.10	5.24	5.65	5.50	5.10	5.58	3.87
17	5.03	6.55	4.97	4.43	8.29	6.63	5.12	6.64	6.00	4.83	8.06	3.83
18	4.35	5.76	4.75	4.40	8.04	7.91	5.29	8.88	5.36	4.66	7.60	3.78
19	3.98	5.25	4.62	4.35	6.52	7.08	5.18	8.30	5.48	4.64	5.78	3.76
20	3.81	4.97	5.17	4.34	5.93	9.75	5.02	6.89	5.13	4.63	5.22	3.74
21	---	4.80	5.61	4.35	5.60	11.03	4.96	6.08	4.84	4.60	4.97	3.76
22	---	4.65	5.20	4.51	9.37	8.45	4.91	10.61	4.69	4.57	4.76	3.79
23	3.94	4.45	4.92	4.66	8.95	6.85	4.79	16.25	4.56	5.52	4.60	4.45
24	3.83	4.39	7.98	4.49	7.11	6.27	4.69	13.11	4.48	6.61	4.50	4.57
25	---	4.33	10.94	4.38	6.23	5.92	5.49	8.15	4.42	5.90	4.42	4.23
26	---	4.28	9.44	4.37	5.83	5.69	6.32	6.63	4.33	5.23	4.38	4.08
27	---	4.24	6.83	4.36	6.43	5.58	5.56	6.05	4.27	5.18	4.32	4.01
28	---	4.18	6.04	4.32	6.35	5.60	5.11	5.67	4.28	5.60	4.25	3.99
29	---	4.15	5.59	4.33	---	5.40	4.90	5.36	4.49	4.94	4.20	3.93
30	---	4.13	5.33	5.30	---	5.26	4.77	5.15	4.47	4.70	4.31	3.90
31	4.08	---	5.18	5.76	---	5.15	---	5.00	---	5.66	4.26	---
MEAN	---	4.81	5.37	4.65	6.14	7.08	5.59	6.92	4.93	5.97	5.07	4.01
MAX	---	8.51	10.94	5.76	9.37	14.28	7.73	16.25	6.00	16.44	8.06	4.57
MIN	---	3.68	4.05	4.32	4.81	5.15	4.69	4.67	4.27	4.57	4.20	3.74

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LATITUDE 331850 LONGITUDE 0832614 NAD27 DRAINAGE AREA 262 CONTRIBUTING DRAINAGE AREA 262* DATUM 356.03 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.23	0.00	0.07	0.00	0.02	0.00	2.07	0.44	0.13
2	0.00	0.00	0.00	0.10	0.00	0.03	0.00	0.81	0.00	0.01	0.00	0.01
3	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.01	0.44	0.00	0.12	0.00
4	0.00	0.18	0.01	0.00	0.25	0.04	0.01	0.00	0.02	0.06	0.02	0.00
5	0.00	0.26	3.46	0.00	0.00	0.02	0.21	0.06	0.00	0.03	0.00	0.00
6	0.02	0.02	0.00	0.00	0.56	1.49	0.10	1.05	0.14	0.07	0.37	0.00
7	0.00	0.00	0.00	0.00	0.04	1.08	1.73	0.35	1.35	0.00	0.40	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.01	0.00	0.00	0.02	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.00	1.96	0.00
10	0.00	0.00	0.27	0.00	0.39	0.00	0.51	0.00	0.00	0.10	0.85	0.00
11	0.01	1.12	0.01	0.00	0.00	0.00	0.01	0.11	0.00	0.31	0.00	0.00
12	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.48	0.00
13	0.72	0.00	1.13	0.00	0.00	0.04	0.00	0.00	1.37	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.22	0.00	0.00	0.00
15	---	0.01	0.00	0.00	0.00	0.69	0.00	---	0.00	0.00	0.00	0.00
16	---	1.32	0.00	0.10	1.71	0.00	0.00	---	0.31	0.00	0.56	0.00
17	0.00	0.02	0.00	0.00	0.00	0.80	0.14	---	0.03	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.01	0.02	0.16	---	0.08	0.00	0.00	0.00
19	0.00	0.00	0.54	0.00	0.00	0.28	0.00	---	0.01	0.82	0.45	0.00
20	0.13	0.00	0.20	0.00	0.00	0.71	0.00	0.00	0.04	0.00	0.00	0.00
21	---	0.00	0.00	0.02	0.03	0.00	0.00	0.29	0.00	0.00	0.00	0.00
22	---	0.00	0.00	0.52	1.92	0.00	0.00	1.54	0.00	1.07	0.00	1.09
23	0.05	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.01
24	---	0.00	1.70	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00
25	---	0.00	0.05	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
26	---	0.00	0.00	0.00	0.35	0.00	0.01	0.00	0.00	0.00	0.00	0.00
27	---	0.00	0.00	0.00	0.38	0.12	0.00	0.00	0.04	0.16	0.00	0.00
28	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00
29	---	0.00	0.00	0.46	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	---	0.00	0.00	0.49	---	0.05	0.00	0.00	0.37	0.06	0.00	0.00
31	0.00	---	0.34	0.00	---	0.00	---	0.00	---	0.40	0.00	---
TOTAL	---	4.09	7.72	1.92	5.64	5.45	4.97	---	4.71	5.97	5.67	1.24

ALTAMAHA RIVER BASIN
2003 Water Year

02221000 MURDER CREEK NEAR MONTICELLO, GA

LOCATION.—Lat 33°24’56”, long 83°39’43” referenced to North American Datum (NAD) of 1927, Jasper County, Hydrologic Unit 03070101, at bridge crossing at Post Road, 0.5 miles south of Maxwell, and 29.0 miles above mouth.

DRAINAGE AREA.—24.0 square miles.

COOPERATION.—U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---October 1968, December 1973, and March 2003, to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
MAR													
14...	1345	9	80020	2.09	28	10	13	755	9.2	92	6.8	51	14.8
SEP													
10...	1345	9	80020	1.73	8.4	40	14	758	8.0	90	7.0	66	20.8

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)
MAR													
14...	2.37	3.1	.22	<.04	.16	<.008	<.02	.07	.037	.38	.6	<.1	.6
SEP													
10...	2.63	1.2	.18	<.04	.39	<.008	<.02	.03	.012	.58	<.1	<.1	<.1

Date	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)
MAR													
14...	2.6	130	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007
SEP													
10...	2.0	--	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007

Date	Azinphosmethyl oxon, water, fltrd, ug/L (61635)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)
MAR													
14...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.04	<.005
SEP													
10...	<.02	<.050	<.010	<.041	<.06	E.003t	<.006	<.008	<.009	<.003	<.004	<.01	<.005

02221000 MURDER CREEK NEAR MONTICELLO, GA—continued.

Date	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinylfipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)
MAR													
14...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
SEP													
10...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002

Date	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methidathion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)
MAR													
14...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
SEP													
10...	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)
MAR													
14...	<.022	<.10	<.011	<.06	<.008	.04	<.005	<.004	E.005	<.02	<.07	<.02	<.01
SEP													
10...	<.022	<.10	<.011	<.06	<.008	E.01t	<.005	<.004	<.005	<.02	<.07	<.02	<.01

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
MAR						
14...	<.009	<.01	97	21	15.00	3045
SEP						
10...	<.009	<.01	100	2	15.00	3070

02221000 MURDER CREEK NEAR MONTICELLO, GA—continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
APR								
30...	1530	D	2.0	71	73.20	.8	1.2	280
30...	1535	D	1.3	39	39.90	2.2	4.4	280

Remark codes used in this report:
< -- Less than
E -- Estimated value

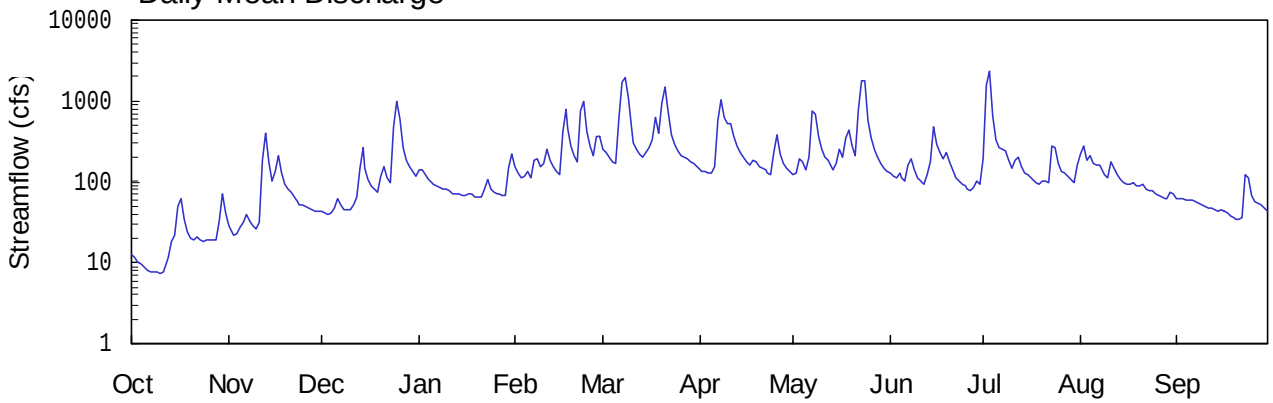
Value qualifier codes used in this report:
t -- Below the long-term MDL

2003 Water Year

02221525 MURDER CREEK BELOW EATONTON, GA

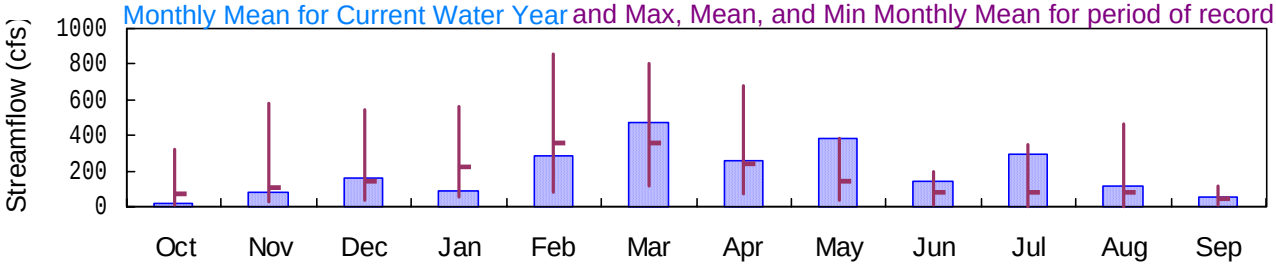
Latitude: 33°15'08" Longitude: 083°28'53" Hydrologic Unit Code: 03070101 Putnam County
Drainage Area: 190 mi² Datum: 375.0 feet

Daily Mean Discharge

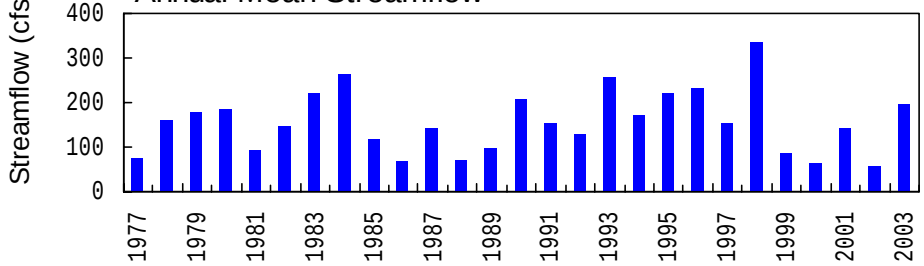


Monthly Statistics

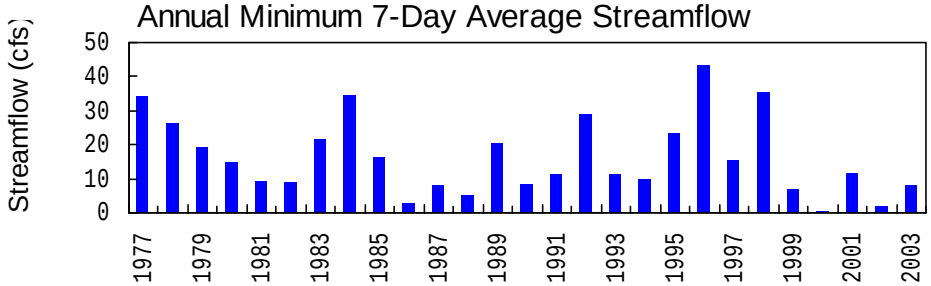
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record

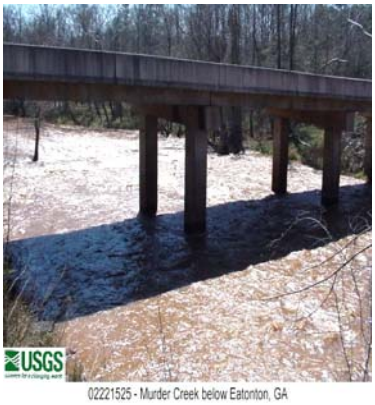


Annual Mean Streamflow

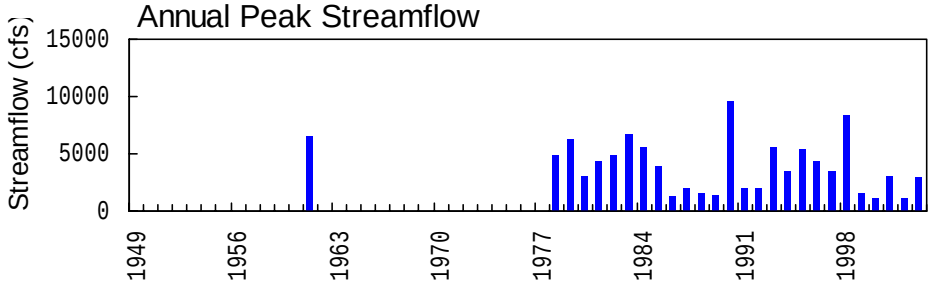


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



ALTAMAHA RIVER BASIN
2003 Water Year

02221525 MURDER CREEK BELOW EATONTON, GA

LOCATION.—Lat 33°15'08", long 83°28'53" referenced to North American Datum (NAD) of 1983, Putnam County, Hydrologic Unit 03070101, in left bank 300 feet upstream from bridge on County Road S-777, 3.0 miles downstream from Beaverdam Creek, 5.8 miles upstream from mouth, and 7.5 miles southwest of Eatonton.

DRAINAGE AREA.—190 square miles.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1977 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 375.10 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good. Some diurnal fluctuation occurs at low flow.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,800 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/07	1130	2,030	4.99
05/23	2315	2,480	5.54
07/03	0400	2,970*	6.11*

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1977 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 375.10 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.11 feet, July 3; minimum gage-height recorded, 1.13 feet, October 8-11.

02221525 MURDER CREEK BELOW EATONTON, GA--continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 21, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02221525 MURDER CREEK BELOW EATONTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 237
LATITUDE 331508 LONGITUDE 0832853 NAD27 DRAINAGE AREA 190 CONTRIBUTING DRAINAGE AREA 190* DATUM 375.09 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	29	43	138	151	259	142	124	126	191	221	63
2	12	24	41	143	126	228	137	126	115	1560	274	61
3	10	22	40	122	111	199	131	197	111	2320	182	61
4	9.6	23	41	106	115	173	127	180	127	666	208	60
5	8.7	27	46	98	137	165	129	141	115	326	166	59
6	8.1	32	63	93	114	605	157	206	101	267	160	58
7	7.9	40	53	88	185	1680	574	741	163	251	160	56
8	7.7	33	46	84	192	1940	1060	676	194	247	145	54
9	7.6	29	44	83	152	1080	615	359	138	181	125	51
10	7.4	26	44	82	167	448	522	249	113	146	114	49
11	7.7	31	53	77	252	310	531	199	101	181	173	47
12	8.8	188	65	73	188	250	366	182	95	202	144	47
13	12	397	146	71	152	218	279	155	120	155	123	44
14	18	176	262	70	134	205	229	139	179	131	108	44
15	22	103	145	69	125	234	200	170	488	122	99	46
16	49	136	108	67	426	265	178	259	294	113	93	43
17	61	209	91	72	804	340	162	201	229	104	94	41
18	35	130	81	71	450	622	185	343	194	97	97	38
19	24	96	73	66	272	400	179	437	233	95	88	36
20	20	82	116	66	211	936	156	280	173	101	88	35
21	19	73	153	66	180	1460	149	215	139	101	92	34
22	21	65	111	83	738	731	142	806	113	99	83	36
23	19	57	96	107	997	387	130	1800	102	282	78	121
24	18	53	478	82	419	295	121	1760	94	267	76	110
25	19	51	991	73	272	244	236	574	88	172	72	69
26	19	49	607	72	216	216	375	341	83	134	69	58
27	19	48	e260	71	361	198	220	254	79	129	66	53
28	19	46	184	68	359	195	169	204	84	120	63	51
29	33	44	151	68	---	180	148	171	104	106	61	47
30	71	43	132	148	---	166	134	150	93	98	75	43
31	42	---	118	217	---	154	---	137	---	159	71	---
TOTAL	648.5	2362	4882	2794	8006	14783	7883	11776	4388	9123	3668	1615
MEAN	20.9	78.7	157	90.1	286	477	263	380	146	294	118	53.8
MAX	71	397	991	217	997	1940	1060	1800	488	2320	274	121
MIN	7.4	22	40	66	111	154	121	124	79	95	61	34
CFSM	0.11	0.41	0.83	0.47	1.50	2.51	1.38	2.00	0.77	1.55	0.62	0.28
IN.	0.13	0.46	0.96	0.55	1.57	2.89	1.54	2.31	0.86	1.79	0.72	0.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2003, BY WATER YEAR (WY)

MEAN	68.4	106	147	226	353	359	240	140	81.4	82.2	79.1	44.2
MAX	322	583	549	559	858	807	674	380	195	351	468	115
(WY)	1990	1993	1998	1978	1995	1998	1983	2003	2001	1994	1984	1992
MIN	11.6	26.9	39.0	56.2	81.5	119	70.5	32.4	10.3	2.04	3.69	11.2
(WY)	1988	1982	2002	1989	1989	1989	1986	2000	2000	2000	2002	2002

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1977 - 2003	
ANNUAL TOTAL	26012.3		71928.5			
ANNUAL MEAN	71.3		197		160	
HIGHEST ANNUAL MEAN					335	1998
LOWEST ANNUAL MEAN					56.9	2002
HIGHEST DAILY MEAN	991	Dec 25	2320	Jul 3	7150	Mar 9 1998
LOWEST DAILY MEAN	1.1	Sep 13	7.4	Oct 10	0.23	Jul 22 2000
ANNUAL SEVEN-DAY MINIMUM	1.7	Sep 8	7.9	Oct 5	0.60	Jul 17 2000
MAXIMUM PEAK FLOW			2970	Jul 3	9630	Mar 18 1990
MAXIMUM PEAK STAGE			6.11	Jul 3	13.13	Mar 18 1990
ANNUAL RUNOFF (CFSM)	0.38		1.04		0.84	
ANNUAL RUNOFF (INCHES)	5.09		14.08		11.43	
10 PERCENT EXCEEDS	151		391		297	
50 PERCENT EXCEEDS	43		122		82	
90 PERCENT EXCEEDS	4.6		34		22	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02221525 MURDER CREEK BELOW EATONTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 237
LATITUDE 331508 LONGITUDE 0832853 NAD27 DRAINAGE AREA 190 CONTRIBUTING DRAINAGE AREA 190* DATUM 375.09 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.24	1.49	1.58	2.07	2.12	2.43	2.09	2.03	2.03	2.18	2.33	1.73
2	1.21	1.43	1.56	2.10	2.03	2.35	2.07	2.03	1.99	4.38	2.46	1.71
3	1.19	1.41	1.56	2.01	1.97	2.27	2.05	2.26	1.97	5.33	2.22	1.71
4	1.18	1.41	1.56	1.95	1.99	2.20	2.04	2.22	2.03	3.15	2.30	1.71
5	1.16	1.47	1.61	1.91	2.07	2.17	2.04	2.09	1.98	2.58	2.17	1.70
6	1.15	1.52	1.72	1.89	1.98	2.96	2.14	2.25	1.93	2.45	2.15	1.69
7	1.14	1.59	1.65	1.86	2.23	4.55	2.87	3.28	2.15	2.41	2.15	1.68
8	1.14	1.53	1.60	1.84	2.25	4.88	3.73	3.18	2.26	2.40	2.10	1.66
9	1.13	1.49	1.59	1.84	2.13	3.74	3.09	2.65	2.08	2.22	2.03	1.64
10	1.13	1.46	1.59	1.83	2.17	2.82	2.94	2.41	1.98	2.11	1.98	1.62
11	1.14	1.51	1.65	1.80	2.41	2.55	2.96	2.27	1.92	2.21	2.19	1.61
12	1.17	2.17	1.73	1.78	2.24	2.41	2.66	2.22	1.90	2.28	2.10	1.61
13	1.23	2.73	2.04	1.77	2.13	2.33	2.48	2.14	2.01	2.14	2.02	1.59
14	1.34	2.20	2.43	1.77	2.06	2.29	2.36	2.08	2.21	2.05	1.96	1.58
15	1.40	1.93	2.10	1.76	2.03	2.37	2.28	2.18	2.87	2.01	1.92	1.60
16	1.64	2.05	1.96	1.75	2.64	2.44	2.21	2.43	2.50	1.98	1.89	1.58
17	1.74	2.30	1.88	1.78	3.37	2.58	2.16	2.28	2.36	1.94	1.89	1.56
18	1.54	2.04	1.83	1.77	2.81	3.10	2.23	2.59	2.25	1.91	1.91	1.54
19	1.43	1.90	1.79	1.74	2.46	2.73	2.21	2.80	2.36	1.90	1.86	1.52
20	1.37	1.83	1.98	1.74	2.31	3.53	2.14	2.48	2.20	1.93	1.86	1.51
21	1.36	1.79	2.13	1.74	2.22	4.27	2.12	2.32	2.08	1.93	1.88	1.50
22	1.39	1.73	1.97	1.83	3.16	3.25	2.09	3.27	1.98	1.91	1.84	1.52
23	1.37	1.68	1.90	1.95	3.64	2.71	2.05	4.69	1.93	2.47	1.81	1.96
24	1.36	1.65	2.69	1.83	2.76	2.51	2.01	4.63	1.89	2.45	1.80	1.96
25	1.36	1.64	3.64	1.78	2.46	2.39	2.33	3.02	1.86	2.19	1.78	1.76
26	1.37	1.63	3.06	1.78	2.32	2.32	2.68	2.61	1.84	2.06	1.76	1.69
27	1.36	1.62	---	1.77	2.64	2.27	2.33	2.42	1.82	2.04	1.74	1.66
28	1.36	1.60	2.23	1.75	2.65	2.26	2.18	2.29	1.84	2.01	1.73	1.64
29	1.50	1.58	2.13	1.75	---	2.22	2.11	2.19	1.94	1.95	1.71	1.61
30	1.81	1.58	2.05	2.08	---	2.17	2.06	2.12	1.89	1.91	1.79	1.58
31	1.61	---	2.00	2.32	---	2.13	---	2.07	---	2.15	1.77	---
MEAN	1.34	1.73	---	1.86	2.40	2.75	2.36	2.56	2.07	2.34	1.97	1.65
MAX	1.81	2.73	---	2.32	3.64	4.88	3.73	4.69	2.87	5.33	2.46	1.96
MIN	1.13	1.41	---	1.74	1.97	2.13	2.01	2.03	1.82	1.90	1.71	1.50

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02221525 MURDER CREEK BELOW EATONTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 237
LATITUDE 331508 LONGITUDE 0832853 NAD27 DRAINAGE AREA 190 CONTRIBUTING DRAINAGE AREA 190* DATUM 375.09 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.10	0.00	0.10	0.00	0.02	0.00	2.05	0.04	0.00
2	0.00	0.00	0.00	0.10	0.00	0.02	0.00	0.90	0.00	0.00	0.00	0.19
3	0.00	0.07	0.00	0.01	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.00
4	0.00	0.24	0.01	0.00	0.50	0.06	0.03	0.01	0.01	0.04	0.00	0.01
5	0.00	0.26	0.50	0.00	0.00	0.07	0.33	0.06	0.00	0.02	0.00	0.00
6	0.02	0.05	0.00	0.00	0.76	1.81	0.17	1.16	0.16	0.00	0.00	0.02
7	0.01	0.00	0.00	0.00	0.03	1.31	1.83	0.40	1.57	0.00	0.12	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.05	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.03	0.00	0.00
10	0.04	0.01	0.44	0.00	0.42	0.00	0.78	0.00	0.00	0.12	0.03	0.00
11	0.00	1.41	0.01	0.00	0.00	0.00	0.01	0.10	0.00	0.58	0.00	0.00
12	0.00	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.03	0.00
13	0.82	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.91	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.08	0.00	0.00
15	1.22	0.00	0.00	0.00	0.00	0.80	0.01	0.43	0.00	0.00	0.00	0.00
16	0.04	1.66	0.00	0.12	2.09	0.00	0.00	0.05	0.42	0.00	0.03	0.00
17	0.00	0.05	0.00	---	0.00	0.90	0.09	0.99	0.07	0.00	0.00	0.00
18	0.00	0.00	0.00	---	0.00	0.04	0.23	1.05	0.13	0.28	0.00	0.00
19	0.00	0.01	0.54	0.00	0.00	0.34	0.00	0.00	0.24	0.15	0.00	0.00
20	0.02	0.00	0.25	0.00	0.00	1.12	0.00	0.00	0.00	0.00	0.00	0.00
21	---	0.00	0.00	0.02	0.03	0.00	0.00	0.33	0.00	0.00	0.00	0.01
22	---	0.00	0.00	0.61	1.92	0.00	0.00	1.92	0.00	0.24	0.00	0.65
23	0.07	0.00	0.02	0.00	0.01	0.00	0.00	0.02	0.00	1.00	0.00	0.00
24	---	0.00	2.06	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00
25	---	0.00	0.07	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00
26	0.01	0.00	0.00	0.00	0.43	0.00	0.00	0.02	0.00	0.43	0.00	0.00
27	0.02	0.00	0.00	0.00	0.60	0.04	0.00	0.00	0.57	0.06	0.00	0.00
28	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00
29	0.02	0.00	0.00	0.37	---	0.00	0.00	0.00	0.00	0.00	0.11	0.00
30	0.00	0.00	0.00	0.52	---	0.06	0.00	0.00	0.59	0.00	0.00	0.00
31	0.00	---	0.40	0.00	---	0.00	---	0.00	---	0.05	0.00	---
TOTAL	---	4.86	5.63	---	6.79	6.67	5.28	7.51	6.09	5.13	0.36	0.88

02222500 LAKE SINCLAIR NEAR MILLEDGEVILLE, GA

LOCATION.—Lat 33°08'27", long 83°12'08" referenced to North American Datum (NAD) of 1927, Baldwin County, Hydrologic Unit 03070101, on Oconee River, 1.5 miles upstream from Georgia Railroad bridge, and 4.0 miles north of Milledgeville.

REMARKS.—Water levels and lake contents are collected by Georgia Power Corporation. Please see the following Internet location for more information:

http://lakes.southernco.com/

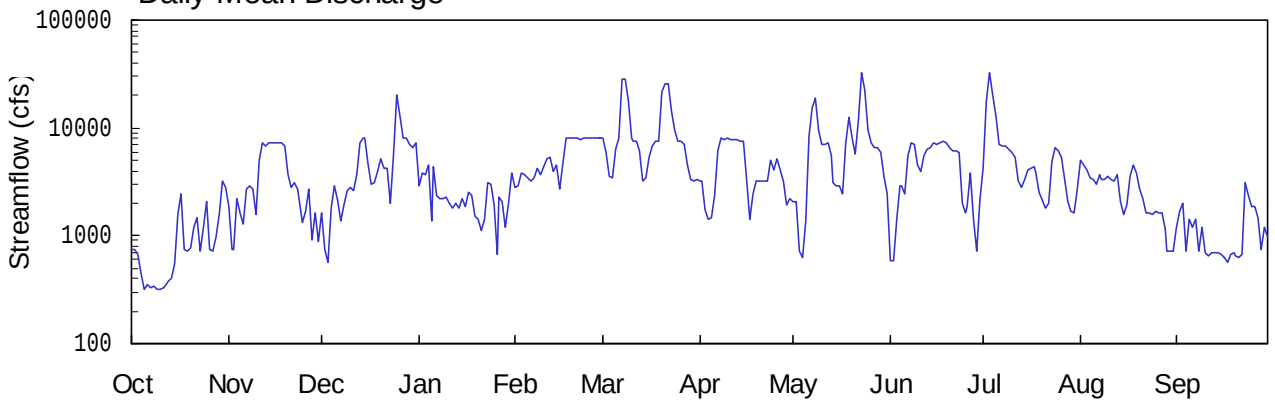
or call: 1-888-GPC-LAKE (1-888-472-5253)

2003 Water Year

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA

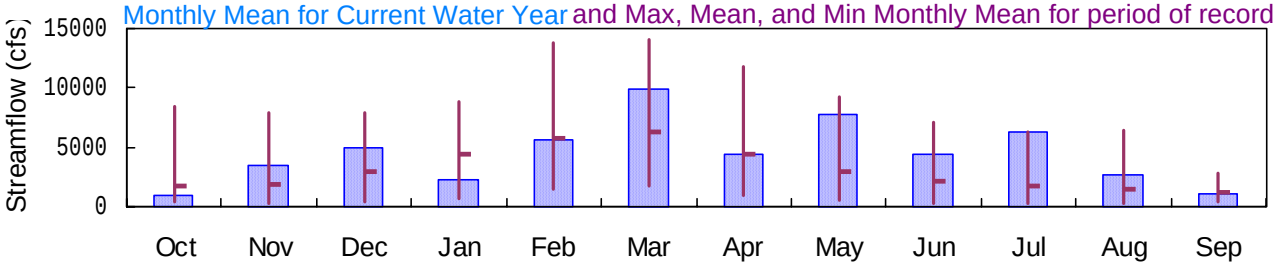
Latitude: 33°05'22" Longitude: 083°12'56" Hydrologic Unit Code: 03070102 Baldwin County
Drainage Area: 295 mi^2 Datum: 230.8 feet

Daily Mean Discharge

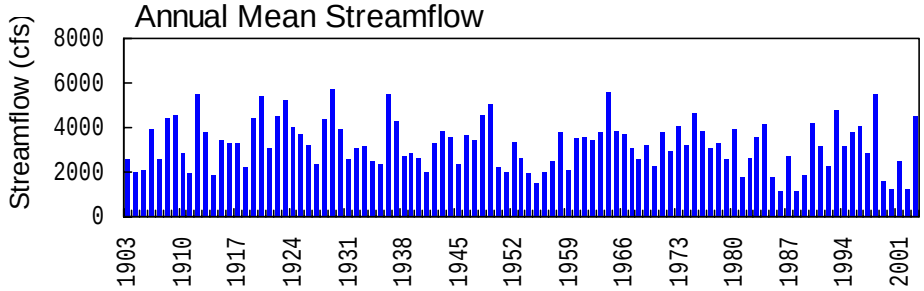


Monthly Statistics

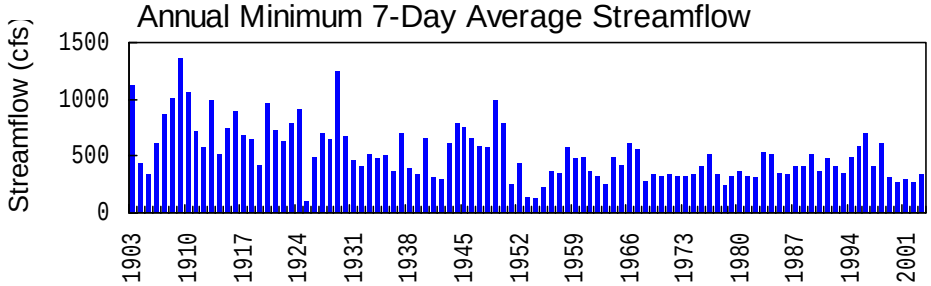
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



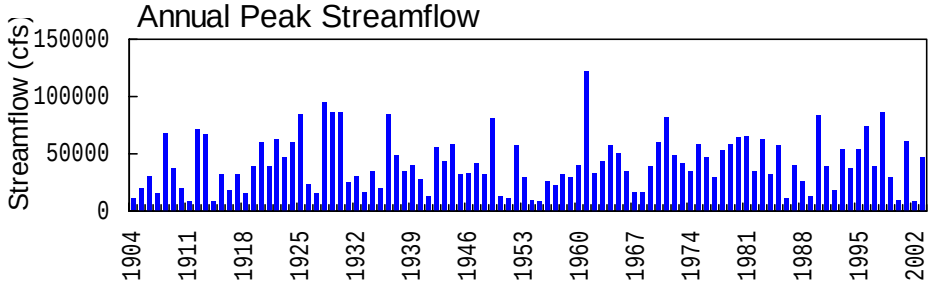
Annual Mean Streamflow

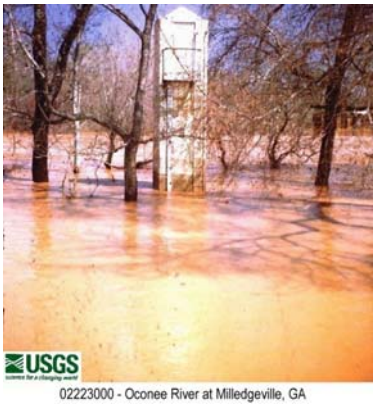


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





02223000 - Oconee River at Milledgeville, GA

ALTAMAHA RIVER BASIN
2003 Water Year

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA

LOCATION.—Lat 33°05'22", long 83°12'56" referenced to North American Datum (NAD) of 1927, Baldwin County, Hydrologic Unit 03070102, 0.5 miles upstream from bridge on GA 24, 3.8 miles downstream from Sinclair Dam, and at mile 139.1.

DRAINAGE AREA.—2,950 square miles, approximately.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—September 1903 to current year.

REVISED RECORDS.—WSP 1142: 1928(M). WSP 1504: 1903-4, 1908, 1912-13, 1914(M), 1915-17. WSP 1554: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 230.84 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to May 23, 1906, from January 1 to October 5, 1909, and from January 1, 1932, to September 30, 1939, a non-recording gage was installed at a site 0.5 miles downstream, and from October 1, 1939, to March 8, 1966, a water-stage recorder was located at a site 0.3 miles downstream, all at present datum. From May 23, 1906, to December 31, 1908, and from October 6, 1909, to December 31, 1931, a non-recording gage was located at Fraleys Ferry, 6.8 miles upstream at different datum.

REMARKS.—Records good, except for the periods of estimated daily discharge, which are poor. Flow regulated by Lake Oconee since January 1979 and Sinclair Reservoir since November 1952. Slight diurnal fluctuation and some regulation occur at low flow by Barnett Shoals power plant since 1911, and prior to Sinclair Reservoir development. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known, 46.7 feet in 1886 at site 0.5 miles downstream at present datum, from information furnished by Georgia Department of Transportation.

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—September 1903 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 230.84 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to May 23, 1906, from January 1 to October 5, 1909, and from January 1, 1932, to September 30, 1939, a non-recording gage was installed at a site 0.5 miles downstream, and from October 1, 1939, to March 8, 1966, a water-stage recorder was located at a site 0.3 miles downstream, all at present datum. From May 23, 1906, to December 31, 1908, and from October 6, 1909, to December 31, 1931, a non-recording gage was located at Fraleys Ferry, 6.8 miles upstream at different datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 29.15 feet, March 7; minimum gage-height recorded, 7.10 feet, October 5.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 22, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223000 OCONEE RIVER AT MILLEDGEVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 009
LATITUDE 330522 LONGITUDE 0831256 NAD27 DRAINAGE AREA 2950 CONTRIBUTING DRAINAGE AREA 2950* DATUM 230.84 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	734	1860	1640	2870	2810	8100	3250	2060	582	4280	4960	1210
2	742	752	739	3750	2870	5910	3240	2080	584	17600	4520	1680
3	663	737	567	3690	3850	3530	1730	712	1420	32700	4080	2020
4	449	2200	1810	4480	3680	3400	1440	626	2860	20500	3390	710
5	323	1620	2920	1360	3500	6300	1460	1390	2920	13000	3350	1440
6	355	1290	2130	4360	3200	8070	2400	8300	2490	7110	3050	1210
7	326	2710	1370	2390	3430	28700	6080	15600	5560	6910	3730	1430
8	337	2890	1940	2190	4220	28000	7950	18700	7330	6810	3340	719
9	320	2740	2670	2250	3710	17600	7860	9520	7150	6260	3350	1190
10	317	1570	2780	2300	4400	8170	7930	7110	4540	5950	3590	695
11	333	5000	2670	2030	5240	7530	7820	7130	3880	5390	3370	642
12	342	7370	3640	1820	5320	7530	7710	7390	5530	3200	3180	699
13	376	6910	7240	2010	3910	6060	7670	5490	6270	2820	3740	706
14	403	7350	8090	1810	4560	3210	7630	3150	6480	3320	2060	697
15	548	7340	7980	2240	2720	3390	7600	2940	7360	4070	1600	683
16	1590	7390	4640	1850	4680	5330	3300	2910	7120	4260	1950	632
17	2480	7400	3000	2560	8180	6880	1410	2420	7240	4360	3570	574
18	754	7360	3120	2360	8070	7660	2430	7370	7410	3860	4490	670
19	710	6890	4010	1520	8020	7630	3240	12500	7390	2530	3850	692
20	765	3710	5100	1430	8020	21600	3250	8050	6580	2170	2750	659
21	1200	2810	4280	1120	8000	e25600	3240	5810	6160	1830	2190	638
22	1470	3160	4190	1440	7910	25400	3230	11900	6150	1970	1650	666
23	727	2680	2010	3100	8110	14300	3220	32700	6030	4800	1630	3060
24	1200	2120	5770	3030	8070	9710	5070	22600	1970	6590	1600	2340
25	2060	1320	19900	1950	8050	7540	4030	9650	1620	6220	1670	1880
26	734	1670	13100	678	8040	7500	5150	7340	1860	5440	1620	1840
27	708	2720	7960	2280	8140	6960	4120	6520	3840	3370	1610	1460
28	988	908	7940	2070	8060	4570	3220	6480	1440	2090	1170	738
29	1570	1600	7150	1200	---	3330	1940	5980	720	1680	711	1190
30	3180	871	6680	2020	---	3270	2180	3530	2160	1640	710	982
31	2820	---	7380	3780	---	3340	---	2420	---	2690	711	---
TOTAL	29524	104948	154416	71938	158770	306120	130800	240378	132646	195420	83192	33752
MEAN	952	3498	4981	2321	5670	9875	4360	7754	4422	6304	2684	1125
MAX	3180	7400	19900	4480	8180	28700	7950	32700	7410	32700	4960	3060
MIN	317	737	567	678	2720	3210	1410	626	582	1640	710	574
CFSM	0.32	1.19	1.69	0.79	1.92	3.35	1.48	2.63	1.50	2.14	0.91	0.38
IN.	0.37	1.32	1.95	0.91	2.00	3.86	1.65	3.03	1.67	2.46	1.05	0.43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2003, BY WATER YEAR (WY)

MEAN	1675	1917	2890	4421	5796	6319	4408	2986	2105	1691	1464	1162
MAX	8495	7929	7946	8879	13810	14030	11780	9288	7142	6304	6372	2811
(WY)	1990	1993	1993	1978	1998	1971	1964	1964	1963	2003	1994	1994
MIN	344	330	429	642	1454	1747	969	599	333	283	286	358
(WY)	1955	1982	2002	1956	1989	1988	1986	2000	2000	2002	2002	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1953 - 2003	
ANNUAL TOTAL	694145		1641904			
ANNUAL MEAN	1902		4498		3056	
HIGHEST ANNUAL MEAN					5581	1964
LOWEST ANNUAL MEAN					1133	1986
HIGHEST DAILY MEAN	19900	Dec 25	32700	May 23, July 3	81500	Feb 25 1961
LOWEST DAILY MEAN	240	Jul 19	317	Oct 10	90	Apr 3 1955
ANNUAL SEVEN-DAY MINIMUM	261	Jul 23	330	Oct 5	129	Nov 17 1953
MAXIMUM PEAK FLOW			46600	Mar 7	122000	Feb 25 1961
MAXIMUM PEAK STAGE			29.15	Mar 7	42.90	Feb 25 1961
ANNUAL RUNOFF (CFSM)	0.64		1.52		1.04	
ANNUAL RUNOFF (INCHES)	8.75		20.70		14.08	
10 PERCENT EXCEEDS	4900		8030		7220	
50 PERCENT EXCEEDS	886		3210		1780	
90 PERCENT EXCEEDS	271		711		400	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223000 OCONEE RIVER AT MILLEDGEVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 009
LATITUDE 330522 LONGITUDE 0831256 NAD27 DRAINAGE AREA 2950 CONTRIBUTING DRAINAGE AREA 2950* DATUM 230.84 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.87	8.78	8.63	9.32	9.42	12.36	10.26	9.42	7.84	10.47	10.99	8.46
2	7.88	7.92	7.89	10.01	9.46	11.36	10.26	9.39	7.85	17.29	10.77	8.79
3	7.77	7.90	7.62	10.05	10.09	10.25	9.12	8.03	8.68	24.22	10.42	9.03
4	7.40	9.01	8.52	10.43	9.99	10.17	8.88	7.91	10.01	18.83	9.94	8.04
5	7.16	8.58	9.47	8.35	9.85	11.54	8.90	8.68	10.05	15.11	9.93	8.63
6	7.23	8.36	8.84	10.32	9.67	12.35	9.64	12.74	9.75	12.15	9.72	8.46
7	7.17	9.26	8.29	9.04	9.82	21.71	11.56	16.39	11.42	12.07	10.18	8.61
8	7.19	9.49	8.79	8.99	10.30	22.22	12.48	18.03	12.24	12.03	9.96	8.05
9	7.16	9.40	9.49	9.05	9.99	17.47	12.45	13.31	12.17	11.80	9.94	8.44
10	7.17	8.54	9.63	9.07	10.42	12.57	12.48	12.15	10.97	11.67	10.08	8.02
11	7.20	10.72	9.55	8.88	10.91	12.32	12.43	12.16	10.37	11.37	9.95	7.93
12	7.22	12.07	10.04	8.75	11.02	12.32	12.39	12.26	11.45	9.91	9.81	8.02
13	7.29	11.89	11.98	8.89	10.10	11.70	12.37	11.41	11.80	9.57	10.20	8.03
14	7.34	12.07	12.36	8.76	10.46	10.24	12.36	10.20	11.89	9.91	9.07	8.02
15	7.60	12.07	12.31	9.02	9.31	10.34	12.35	10.07	12.25	10.41	8.74	8.00
16	8.62	12.09	10.55	8.78	10.42	11.32	9.98	9.91	12.16	10.54	8.98	7.92
17	9.13	12.09	9.51	9.25	12.39	12.05	8.86	9.08	12.20	10.68	10.07	7.83
18	7.92	12.08	9.63	9.11	12.35	12.37	9.64	12.25	12.27	10.30	10.76	7.98
19	7.86	11.88	10.16	8.48	12.33	12.36	10.26	14.77	12.26	9.37	10.28	8.01
20	7.93	10.01	10.84	8.42	12.33	19.18	10.26	12.55	11.93	9.13	9.53	7.96
21	8.34	9.40	10.31	8.20	12.32	---	10.25	11.54	11.76	8.88	9.14	7.93
22	8.46	9.68	10.24	8.41	12.28	21.39	10.25	14.49	11.75	8.96	8.77	7.97
23	7.88	9.37	8.80	9.60	12.36	15.68	10.25	24.22	11.70	10.85	8.76	9.78
24	8.31	9.00	10.88	9.56	12.35	13.35	11.20	19.91	9.10	11.94	8.73	9.38
25	8.97	8.40	18.63	8.76	12.34	12.32	10.68	13.38	8.74	11.78	8.79	8.92
26	7.89	8.65	15.02	7.81	12.34	12.31	11.24	12.25	8.91	11.40	8.75	8.88
27	7.85	9.41	12.31	9.05	12.37	12.09	10.71	11.91	10.26	10.02	8.74	8.65
28	8.14	8.11	12.30	8.92	12.34	10.95	10.24	11.89	8.62	9.04	8.44	8.08
29	8.66	8.61	11.98	8.25	---	10.31	9.26	11.66	8.05	8.78	8.04	8.45
30	9.67	8.07	11.80	8.80	---	10.27	9.45	10.40	9.20	8.74	8.04	8.29
31	9.45	---	12.08	10.05	---	10.31	---	9.62	---	9.40	8.04	---
MEAN	7.93	9.76	10.60	9.04	11.05	---	10.68	12.32	10.59	11.50	9.47	8.35
MAX	9.67	12.09	18.63	10.43	12.39	---	12.48	24.22	12.27	24.22	10.99	9.78
MIN	7.16	7.90	7.62	7.81	9.31	---	8.86	7.91	7.84	8.74	8.04	7.83

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223000 OCONEE RIVER AT MILLEDGEVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 009
LATITUDE 330522 LONGITUDE 0831256 NAD27 DRAINAGE AREA 2950 CONTRIBUTING DRAINAGE AREA 2950* DATUM 230.84 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

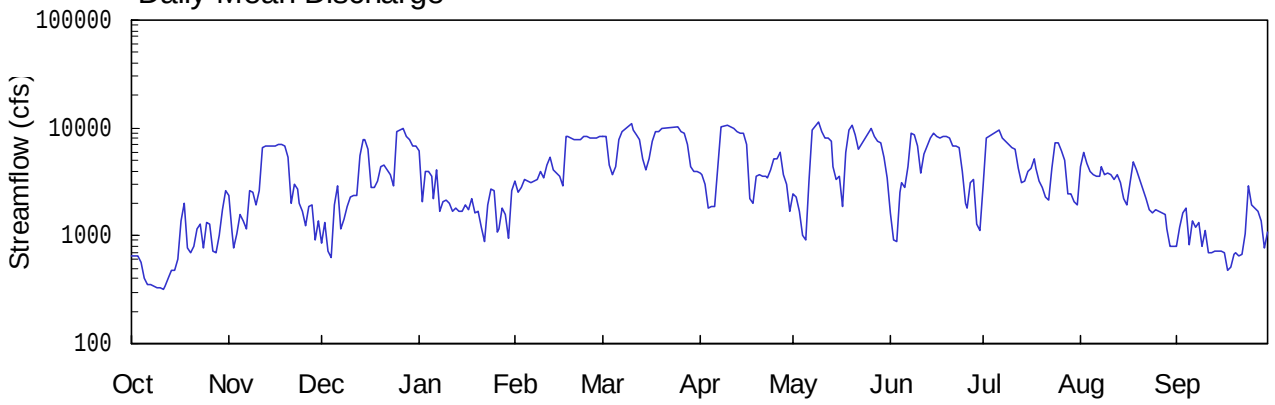
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.08	0.00	0.66	0.00	0.73	0.01	1.61	0.19	0.11
2	0.00	0.00	0.00	0.03	0.00	0.05	0.00	0.88	0.00	0.07	0.00	0.00
3	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00
4	0.00	0.21	0.00	0.00	0.17	0.04	0.01	0.00	0.17	0.00	0.00	0.00
5	0.00	0.20	0.33	0.00	0.00	0.03	0.28	0.00	0.00	0.05	0.00	0.00
6	0.02	0.03	0.00	0.00	0.64	0.83	0.00	0.96	0.64	0.00	0.42	0.03
7	0.00	0.00	0.00	0.00	0.06	0.86	2.88	0.26	1.47	0.00	0.30	0.00
8	0.02	0.00	0.01	0.00	0.00	0.00	0.61	0.28	0.02	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00
10	0.04	0.03	0.47	0.00	0.21	0.00	0.49	0.00	0.00	0.51	0.00	0.00
11	0.00	1.15	0.02	0.00	0.00	0.00	0.00	0.14	0.00	0.15	0.00	0.00
12	0.00	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00
13	1.52	0.00	1.17	0.00	0.00	0.02	0.00	0.00	0.68	0.00	0.00	0.00
14	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.46	0.07	0.01	0.00
15	0.45	0.01	0.00	0.00	0.00	0.82	0.00	0.41	0.00	0.00	0.23	0.00
16	0.01	0.77	0.00	0.13	1.41	0.00	0.00	0.00	0.02	0.00	1.32	0.00
17	0.00	0.18	0.00	0.00	0.00	1.04	0.05	0.19	0.10	0.06	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.24	2.11	0.47	0.00	0.00	0.00
19	0.00	0.01	0.51	0.00	0.00	0.64	0.00	0.02	---	0.08	0.00	0.00
20	1.25	0.00	0.41	0.00	0.01	2.28	0.00	0.00	---	0.01	0.00	0.00
21	---	0.00	0.00	0.00	0.05	0.00	0.00	0.16	---	0.00	0.00	0.00
22	---	0.00	0.00	0.36	0.83	0.00	0.00	1.67	---	2.23	0.00	1.06
23	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	---	0.86	0.00	0.10
24	---	0.00	1.37	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.55	0.00
25	---	0.00	0.06	0.00	0.00	0.00	0.89	0.00	0.00	0.03	0.00	0.00
26	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.02	0.00	0.00	0.00	0.00
27	0.01	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.05	0.01	0.00	0.00
28	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00
29	0.01	0.00	0.00	0.14	---	0.00	0.00	0.00	0.11	0.00	0.00	0.00
30	0.00	0.00	0.00	0.67	---	0.13	0.00	0.00	0.29	0.00	0.00	0.00
31	0.00	---	0.48	0.00	---	0.00	---	0.11	---	0.44	0.00	---
TOTAL	---	3.66	4.83	1.41	4.15	7.41	5.85	7.95	---	6.18	3.02	1.30

2003 Water Year

02223056 OCONEE RIVER AT AVANT MINE, NEAR OCONEE, GA

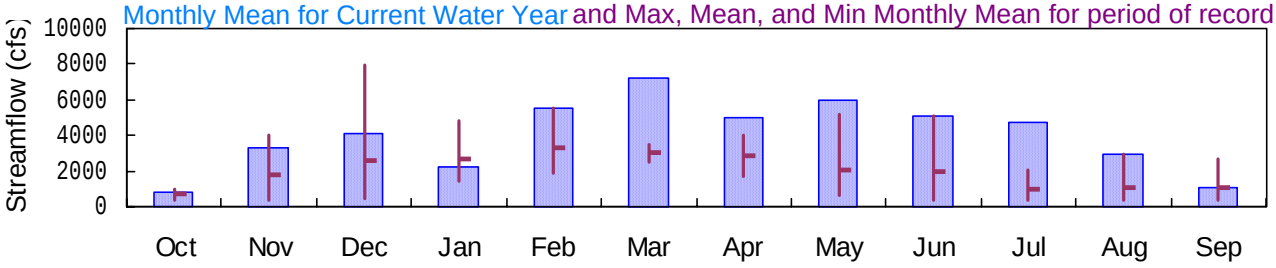
Latitude: 32°56'23" Longitude: 083°04'01" Hydrologic Unit Code: 03070102 Washington County
Drainage Area: 310 mi² Datum: 203.3 feet

Daily Mean Discharge

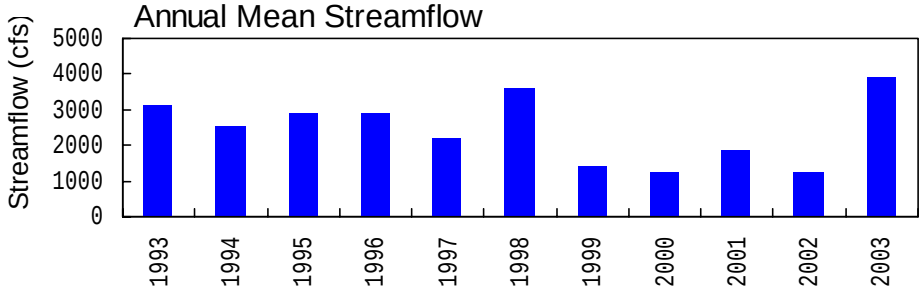


Monthly Statistics

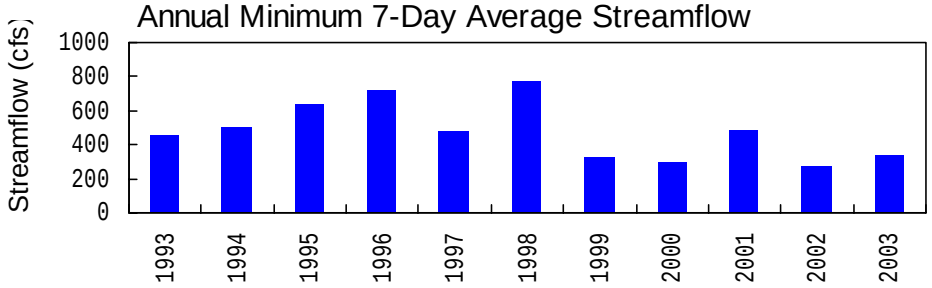
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



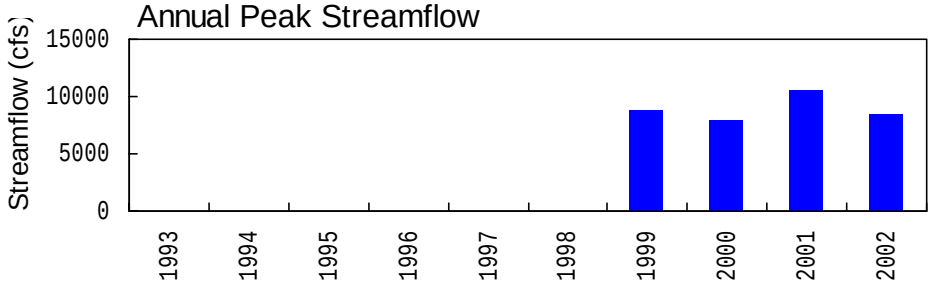
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



02223056 - Oconee River at Avant Mine, near Oconee, GA

ALTAMAHA RIVER BASIN
2003 Water Year

02223056 OCONEE RIVER AT AVANT MINE, NEAR OCONEE, GA

LOCATION.—Lat 32°56'23", long 83°04'01" referenced to North American Datum (NAD) of 1927, Washington County, Hydrologic Unit 03070102, on left bank, 1.1 miles downstream from Gumm Creek, 1.6 miles upstream from Bluff Creek, and 8.8 miles northwest of Oconee.

DRAINAGE AREA.—3,100 square miles, approximately.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 1992 to current year, discharges less than 11,200 cfs only.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 203.36 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Power Company).

REMARKS.—Records fair, except for periods of estimated discharges, which are poor. Flow regulated by Lake Oconee and Sinclair Reservoir.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 1992 to current water year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 203.36 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Power Company).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 18.57 feet, March 21; minimum gage-height recorded, 1.06 feet, October 11.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223056 OCONEE RIVER AT AVANT MINE, NEAR OCONEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 303
LATITUDE 325623 LONGITUDE 0830401 NAD27 DRAINAGE AREA 3100 CONTRIBUTING DRAINAGE AREA 3100* DATUM 203.36 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	656	2340	861	6090	3200	8210	3760	2440	1650	2920	4410	785
2	645	1090	1350	2050	2530	8260	3730	2320	914	7950	5870	1210
3	645	759	722	3970	2800	4550	2960	1710	886	---	4620	1630
4	558	1050	620	3960	3360	3650	1830	1020	2510	---	3880	1810
5	401	1590	1930	3520	3250	4380	1890	915	3130	---	3700	835
6	351	1380	2900	2230	3150	7810	1860	3240	2850	9570	3610	1360
7	351	1160	1150	4060	3260	9090	4390	9690	4380	7950	3560	1180
8	338	2660	1400	1700	3370	---	10200	---	8960	7510	4320	1340
9	334	2560	1890	2070	3880	---	---	11200	8700	7160	3730	787
10	327	1920	2310	2120	3450	11000	10400	9360	6790	6480	3800	1120
11	323	2590	2350	2030	4600	9520	10400	8080	3760	6400	3690	707
12	337	6620	2350	1670	5330	8680	9970	8080	5740	4220	3380	691
13	401	6690	5620	1770	4030	7760	9320	7550	6910	3090	3650	729
14	475	6880	7840	1670	3850	5160	8860	4360	8190	3220	3090	724
15	471	6790	7770	1710	3610	4150	8800	3290	9070	3890	2180	709
16	611	6900	6450	1900	2940	5140	6990	3560	8470	4280	1920	703
17	1400	7150	2790	1740	8210	7500	2190	1860	8110	5100	3070	483
18	2000	7000	2840	2250	8370	9160	1970	6000	8230	4250	4820	510
19	767	6780	3210	1640	8040	9140	3590	9470	8330	3220	4090	678
20	689	5380	4330	1710	7910	9950	3670	10500	7980	2850	3370	693
21	796	2010	4540	1180	7850	---	3620	8670	6870	2320	2720	655
22	1150	2990	4020	898	7920	---	3540	6450	6710	2120	2240	670
23	1290	2720	3710	1960	8480	---	3470	---	6600	4220	1750	1060
24	762	1960	2880	2740	8200	---	4070	---	3880	7200	1630	2900
25	1330	1660	9190	2620	8020	10100	5160	---	2000	7180	1720	1950
26	1300	1240	---	1080	7960	9080	5150	9830	1780	6050	1660	1780
27	729	1850	9740	1170	8200	8820	5840	8270	3060	5020	1620	1710
28	700	1910	8370	1810	8310	7150	3620	7440	3360	2490	1550	1380
29	1030	903	7790	1570	---	4410	3040	7240	1260	2450	1170	783
30	1750	1390	6760	954	---	4000	1660	5340	1120	2040	809	1100
31	2610	---	6780	2600	---	3930	---	3480	---	1900	786	---
TOTAL	25527	97922	---	68442	154080	---	---	---	152200	---	92415	32672
MEAN	823	3264	---	2208	5503	---	---	---	5073	---	2981	1089
MAX	2610	7150	---	6090	8480	---	---	---	9070	---	5870	2900
MIN	323	759	---	898	2530	---	---	---	886	---	786	483
CFSM	0.27	1.05	---	0.71	1.78	---	---	---	1.64	---	0.96	0.35
IN.	0.31	1.18	---	0.82	1.85	---	---	---	1.83	---	1.11	0.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2003, BY WATER YEAR (WY)

MEAN	693	1762	2634	2678	3317	3023	2877	2023	1948	969	1084	1061
MAX	1022	3978	7927	4859	5503	3454	4052	5166	5073	2073	2981	2720
(WY)	1999	1998	1993	1995	2003	2002	1996	1998	2003	2001	2003	1994
MIN	354	371	446	1401	1894	2541	1736	635	345	321	321	363
(WY)	2000	2002	2002	2002	2001	1999	2000	2000	2000	2000	2002	1999

SUMMARY STATISTICS WATER YEARS 1993 - 2003

ANNUAL MEAN	1240		
HIGHEST ANNUAL MEAN	1250		2000
LOWEST ANNUAL MEAN	1229		2002
HIGHEST DAILY MEAN	11200	May 9	2003
LOWEST DAILY MEAN	256	Sep 7	2002
ANNUAL SEVEN-DAY MINIMUM	268	Sep 5	2002
ANNUAL RUNOFF (CFSM)	0.40		
ANNUAL RUNOFF (INCHES)	5.43		
10 PERCENT EXCEEDS	2910		
50 PERCENT EXCEEDS	538		
90 PERCENT EXCEEDS	305		

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223056 OCONEE RIVER AT AVANT MINE, NEAR OCONEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 303
LATITUDE 325623 LONGITUDE 0830401 NAD27 DRAINAGE AREA 3100 CONTRIBUTING DRAINAGE AREA 3100* DATUM 203.36 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.18	5.68	3.02	10.01	6.94	11.97	7.69	6.02	4.62	6.57	8.39	2.81
2	2.15	3.27	4.11	5.26	6.13	11.98	7.64	5.86	3.16	12.17	9.94	3.84
3	2.15	2.47	2.64	7.89	6.47	8.55	6.68	4.80	3.08	16.55	8.59	4.63
4	1.89	3.12	2.35	7.85	7.19	7.56	5.11	3.42	6.08	17.71	7.73	4.85
5	1.37	4.33	5.18	7.29	7.04	8.33	5.20	3.16	6.95	16.77	7.52	2.95
6	1.18	3.91	6.62	5.32	6.94	11.66	5.11	6.83	6.58	13.34	7.40	4.14
7	1.18	3.46	3.65	7.99	7.04	13.52	8.26	14.44	8.29	11.77	7.37	3.78
8	1.13	6.12	4.24	4.81	7.17	17.89	13.33	16.30	12.49	11.42	8.27	4.09
9	1.12	6.01	5.15	5.46	7.79	17.73	13.48	15.91	12.32	11.13	7.56	2.82
10	1.09	4.88	5.80	5.55	7.30	15.75	13.48	12.77	10.76	10.54	7.66	3.63
11	1.07	5.80	5.87	5.40	8.60	12.88	13.46	11.87	7.62	10.46	7.51	2.60
12	1.12	10.63	5.86	4.80	9.39	12.31	13.19	11.87	9.82	8.15	7.12	2.55
13	1.36	10.72	9.64	4.98	7.93	11.60	12.75	11.43	10.92	6.74	7.47	2.66
14	1.62	10.89	11.68	4.81	7.72	9.18	12.43	8.35	11.95	6.92	6.66	2.65
15	1.61	10.82	11.63	4.85	7.43	8.11	12.39	7.14	12.58	7.76	5.47	2.61
16	2.05	10.91	10.40	5.20	6.58	9.18	10.80	7.45	12.16	8.22	5.14	2.59
17	3.96	11.13	6.46	4.91	11.94	11.41	5.64	4.94	11.89	9.15	6.79	1.92
18	4.96	11.00	6.54	5.73	12.08	12.64	5.31	9.91	11.98	8.18	8.85	1.99
19	2.49	10.81	6.99	4.66	11.84	12.62	7.49	13.16	12.05	6.86	7.99	2.52
20	2.28	9.39	8.31	4.84	11.74	14.92	7.58	14.29	11.79	6.44	7.08	2.56
21	2.57	5.37	8.50	3.77	11.69	18.40	7.52	12.27	10.89	5.68	6.23	2.45
22	3.44	6.73	7.89	3.10	11.74	18.12	7.43	10.44	10.74	5.45	5.57	2.49
23	3.70	6.40	7.56	5.15	12.16	17.92	7.35	16.72	10.65	8.15	4.84	3.35
24	2.48	5.29	6.17	6.41	11.96	15.27	8.02	18.19	7.61	11.16	4.62	6.52
25	3.82	4.72	14.10	6.25	11.82	13.30	9.21	16.84	5.27	11.14	4.81	5.10
26	3.75	3.91	16.38	3.51	11.77	12.59	9.20	13.25	4.88	10.12	4.68	4.86
27	2.39	5.06	13.66	3.59	11.96	12.40	9.89	12.00	6.74	9.04	4.61	4.71
28	2.31	5.11	12.09	5.05	12.05	11.09	7.53	11.36	7.13	5.87	4.47	4.18
29	3.15	3.13	11.64	4.61	---	8.41	6.79	11.20	3.95	5.91	3.75	2.81
30	4.63	4.20	10.78	3.25	---	7.95	4.78	9.38	3.62	5.31	2.88	3.59
31	6.10	---	10.80	6.17	---	7.87	---	7.36	---	5.11	2.82	---
MEAN	2.46	6.51	7.93	5.43	9.30	12.36	8.82	10.61	8.62	9.35	6.44	3.41
MAX	6.10	11.13	16.38	10.01	12.16	18.40	13.48	18.19	12.58	17.71	9.94	6.52
MIN	1.07	2.47	2.35	3.10	6.13	7.56	4.78	3.16	3.08	5.11	2.82	1.92

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223056 OCONEE RIVER AT AVANT MINE, NEAR OCONEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 303
LATITUDE 325623 LONGITUDE 0830401 NAD27 DRAINAGE AREA 3100 CONTRIBUTING DRAINAGE AREA 3100* DATUM 203.36 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.19	0.00	0.62	0.00	0.77	0.00	0.29	0.42	---
2	0.00	0.00	0.00	0.07	0.00	0.33	0.00	0.48	0.00	0.01	0.00	---
3	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.27	0.00
4	0.00	0.18	0.00	0.00	0.22	0.06	0.00	0.00	0.00	0.00	0.04	0.00
5	0.00	0.17	0.29	0.00	0.00	0.19	0.01	0.00	0.00	0.23	0.01	0.00
6	0.09	0.02	0.00	0.00	0.69	0.45	0.00	0.89	0.64	0.00	0.18	0.09
7	0.00	0.00	0.00	0.00	0.03	0.41	0.00	0.00	1.91	0.01	0.25	0.00
8	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.57	0.96	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.32	0.00	0.00
10	0.00	0.05	0.19	0.00	0.49	0.00	0.00	0.00	0.00	0.18	1.13	0.00
11	0.00	1.30	0.02	0.00	0.00	0.00	0.00	0.13	0.00	0.09	0.00	0.00
12	0.00	0.97	0.00	0.00	0.00	0.00	0.02	0.00	0.62	0.01	0.06	0.00
13	1.56	0.00	1.29	0.00	0.00	0.06	0.02	0.00	2.38	0.00	0.00	0.00
14	0.03	0.00	0.00	0.00	0.00	0.05	0.03	0.00	---	0.24	0.00	0.00
15	0.66	0.00	0.00	0.00	0.00	1.04	0.02	0.41	---	0.00	0.92	0.00
16	0.00	0.30	0.00	0.11	1.79	0.00	0.00	0.00	0.00	0.00	1.05	0.00
17	0.00	0.18	0.00	0.00	0.00	0.77	0.07	0.92	0.95	0.03	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.06	0.16	1.46	0.02	0.50	0.00	0.00
19	0.00	0.00	0.28	0.00	0.00	0.30	0.00	0.13	0.00	0.08	0.15	0.00
20	0.00	0.00	0.51	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00
21	0.71	0.00	0.00	0.00	0.07	0.02	0.00	0.05	0.00	0.00	0.00	0.62
22	0.02	0.01	0.00	0.34	0.51	0.01	0.00	1.88	0.00	1.38	0.13	1.06
23	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.21	0.00	0.12
24	0.14	0.00	1.53	0.00	0.00	0.01	0.07	0.00	0.00	0.00	0.00	0.00
25	0.05	0.00	0.03	0.00	0.00	0.01	0.84	0.00	0.00	0.02	0.00	0.00
26	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.16	0.00	0.09	0.00	0.00
27	0.04	0.00	0.00	0.00	0.47	0.01	0.00	0.00	0.01	0.00	---	0.00
28	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.21	---	0.00
29	0.00	0.00	0.00	0.07	---	0.01	0.00	0.00	0.96	1.10	---	0.00
30	0.00	0.00	0.00	0.91	---	0.00	0.00	0.00	0.07	0.00	---	0.00
31	0.00	---	0.49	0.00	---	0.00	---	0.17	---	0.03	---	---
TOTAL	3.39	3.33	4.63	1.69	4.50	4.56	1.25	8.03	---	5.03	---	---

ALTAMAHA RIVER BASIN
2003 Water Year

02223082 BUFFALO CREEK NEAR LINTON, GA

LOCATION.—Lat 33°06'27", long 82°57'34" referenced to North American Datum (NAD) of 1927, Hancock-Washington County line, Hydrologic Unit 03070102, at Hancock County Road 787, 2.0 miles southeast of Linton.

DRAINAGE AREA.—92.9 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1961, 1984 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 278.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 20.00 feet, February 25, 1961
DISCHARGE: 5,400 cfs, February 25, 1961

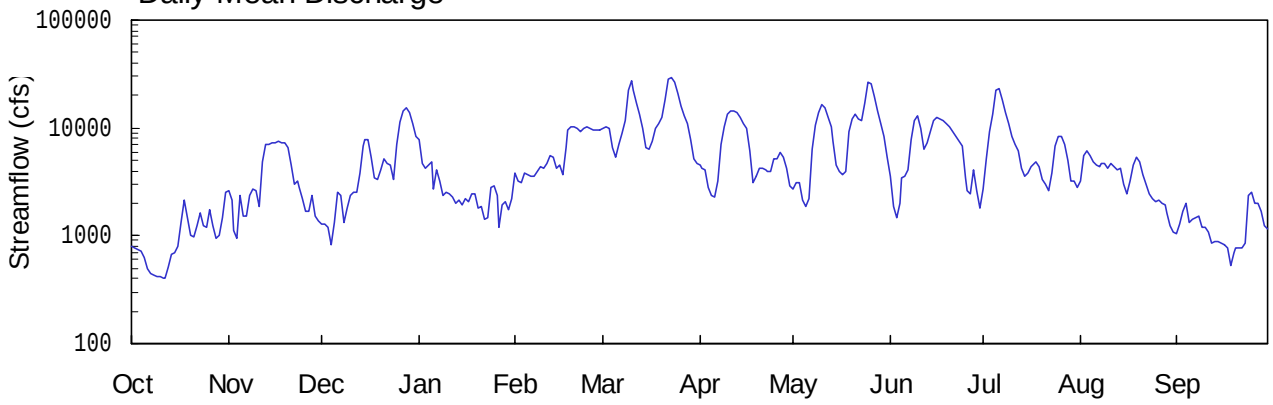
MAXIMUM FOR CURRENT YEAR.—
STAGE: 16.06 feet, March 20
DISCHARGE: 3,150 cfs, March 20

2003 Water Year

02223248 OCONEE RIVER NEAR OCONEE, GA

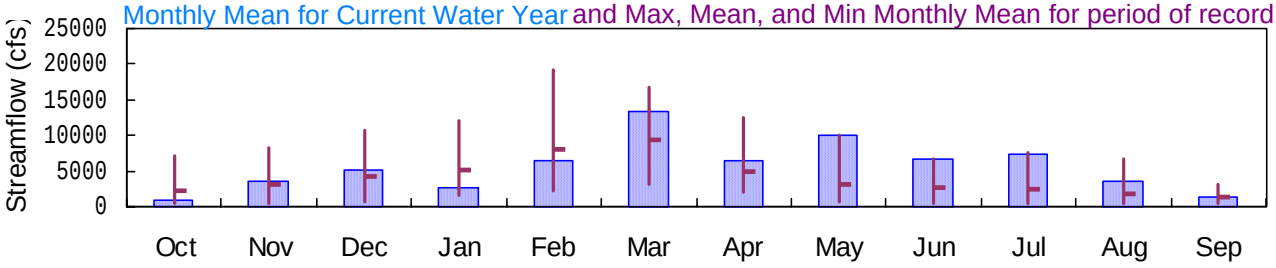
Latitude: 32°47'14" Longitude: 082°57'26" Hydrologic Unit Code: 03070102 Wilkinson County
Drainage Area: 377 mi² Datum: 171.8 feet

Daily Mean Discharge

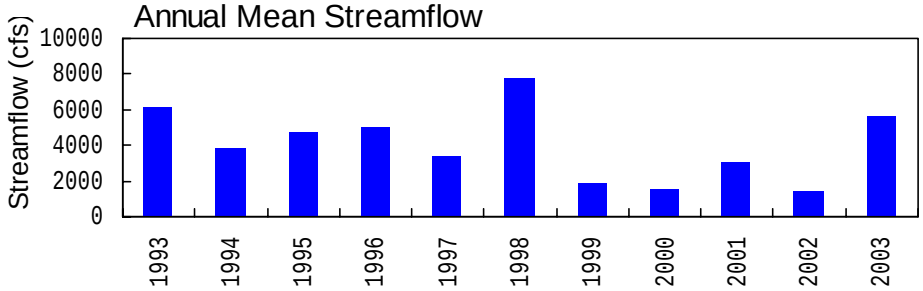


Monthly Statistics

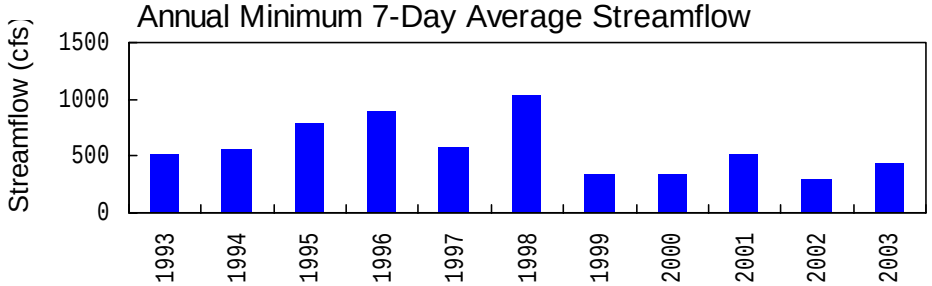
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



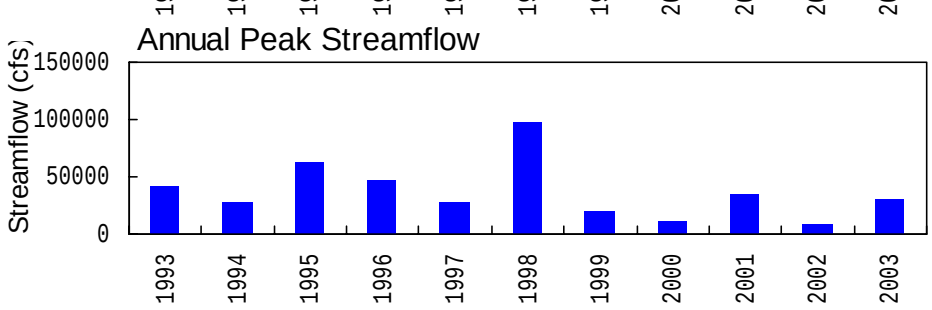
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



ALTAMAHA RIVER BASIN
2003 Water Year

02223248 OCONEE RIVER NEAR OCONEE, GA

LOCATION.—Lat 32°47'14", long 82°57'26" referenced to North American Datum (NAD) of 1927, Wilkinson County, Hydrologic Unit 03070102, on right bank 0.4 miles upstream from GA 57, 0.5 miles upstream from Oochee Creek, and 6.0 miles south of Oconee, at mile 96.6.

DRAINAGE AREA.—3,770 square miles.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 1992 to current year.

REVISED RECORDS.—WDR-GA-96-1:1993-95 (M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 171.83 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good, except for the periods of estimated discharges, which are fair. Flow regulated by Lake Oconee since January 1979 and Sinclair Reservoir since November 1952.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 1992 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 171.83 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 21.31 feet, March 22; minimum gage-height recorded, 0.79 feet, October 12.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 17, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223248 OCONEE RIVER NEAR OCONEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 319
LATITUDE 324714 LONGITUDE 0825726 NAD27 DRAINAGE AREA 3770 CONTRIBUTING DRAINAGE AREA 3770* DATUM 171.83 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	794	2650	1290	7840	3760	9730	4490	2700	3550	2750	3270	1050
2	764	2120	1300	4730	3260	10200	4280	3140	1850	5170	5610	1280
3	753	1120	1210	4220	3100	9800	4090	3060	1490	9150	6090	1690
4	728	e950	816	4450	3770	6480	2850	2170	2020	13500	5630	2020
5	632	e2370	1310	4790	3700	5330	2360	1880	3390	22600	4860	1320
6	492	e1520	2540	2680	3560	7000	2270	2180	3520	23000	4590	1420
7	449	1520	2360	4130	3540	9080	3200	6440	4070	18300	4410	1460
8	429	e2400	1340	3190	3920	11800	6990	10700	7760	13900	4720	1520
9	421	2730	1810	2400	4300	22000	10300	13800	11800	10800	4630	1180
10	414	2650	2350	2530	4170	27800	13200	16600	13000	8260	4290	1190
11	408	1850	2530	2480	4680	22200	14300	15400	10000	7080	4600	1080
12	402	e4800	2510	2260	5500	16800	14600	12600	6420	6050	4370	839
13	507	e7000	3790	2030	5290	13200	14000	10200	7350	4170	4020	871
14	683	7140	6780	2120	4220	9870	12400	7490	9390	3520	4290	871
15	688	7390	7760	1960	4560	6500	11000	4510	11600	3850	3040	851
16	803	e7400	7920	2210	3670	6290	9960	3920	12500	4390	2470	832
17	1310	e7500	5360	2050	6640	7420	6230	3660	12100	4750	3200	763
18	2110	e7400	3450	2410	9530	9720	3120	3940	11500	4840	4590	531
19	1460	e7200	3370	2420	10200	11100	3610	9270	11000	4420	5330	697
20	1030	e6500	4130	1780	10300	12700	4230	12300	10200	3290	4860	779
21	969	e4500	5180	1850	9750	18000	4180	13500	9360	2970	3740	775
22	1230	e3000	4660	1440	9360	28000	4090	12000	8320	2630	3000	762
23	1610	e3200	4480	1460	9830	29000	3980	11800	7550	3830	2490	842
24	1220	2790	3380	2810	10100	26900	3890	16800	6720	6790	2220	2360
25	1180	2190	6970	2950	9810	21100	5250	26800	3480	8400	2100	2500
26	1740	1660	11200	2340	9600	e16000	5200	25400	2640	8440	2110	2030
27	1240	1670	14200	1210	9500	e13200	5960	19400	2490	7070	2020	1990
28	955	2380	15300	1950	9710	10900	5290	14600	4060	4960	1950	1700
29	1000	1530	13800	2060	---	7770	4230	10900	2630	3260	1630	1250
30	1470	1370	11000	1750	---	5240	2880	8280	1790	3170	1250	1170
31	2560	---	8350	2180	---	4670	---	5330	---	2820	1090	---
TOTAL	30451	108500	162446	84680	179330	415800	192430	310770	203550	228130	112470	37623
MEAN	982	3617	5240	2732	6405	13410	6414	10020	6785	7359	3628	1254
MAX	2560	7500	15300	7840	10300	29000	14600	26800	13000	23000	6090	2500
MIN	402	950	816	1210	3100	4670	2270	1880	1490	2630	1090	531
CFSM	0.26	0.96	1.39	0.72	1.70	3.56	1.70	2.66	1.80	1.95	0.96	0.33
IN.	0.30	1.07	1.60	0.84	1.77	4.10	1.90	3.07	2.01	2.25	1.11	0.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2003, BY WATER YEAR (WY)

MEAN	2142	3198	4147	5217	7981	9320	5020	3211	2600	2386	1774	1298
MAX	7142	8209	10650	12160	19160	16670	12530	10020	6785	7508	6706	3045
(WY)	1995	1993	1998	1998	1998	1998	1998	2003	2003	1994	1994	1994
MIN	528	476	607	1596	2160	3042	1946	706	391	369	342	447
(WY)	2002	2002	2002	2002	2001	1999	2000	2000	2000	2002	2002	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1993 - 2003	
ANNUAL TOTAL	765561		2066180			
ANNUAL MEAN	2097		5661		3825	
HIGHEST ANNUAL MEAN					7777	1998
LOWEST ANNUAL MEAN					1407	2002
HIGHEST DAILY MEAN	15300	Dec 28	29000	Mar 23	76000	Mar 10 1998
LOWEST DAILY MEAN	281	Sep 7	402	Oct 12	281	Sep 7 2002
ANNUAL SEVEN-DAY MINIMUM	288	Sep 6	431	Oct 6	288	Sep 6 2002
MAXIMUM PEAK FLOW			30300	Mar 22	97000	Mar 10 1998
MAXIMUM PEAK STAGE			21.31	Mar 22	29.90	Mar 10 1998
ANNUAL RUNOFF (CFSM)	0.56		1.50		1.01	
ANNUAL RUNOFF (INCHES)	7.55		20.39		13.78	
10 PERCENT EXCEEDS	4840		12500		9940	
50 PERCENT EXCEEDS	1220		3920		2030	
90 PERCENT EXCEEDS	335		1090		555	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223248 OCONEE RIVER NEAR OCONEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 319
LATITUDE 324714 LONGITUDE 0825726 NAD27 DRAINAGE AREA 3770 CONTRIBUTING DRAINAGE AREA 3770* DATUM 171.83 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.83	5.36	3.28	12.20	7.29	13.76	8.28	5.77	6.99	5.80	6.57	2.74
2	1.76	4.45	3.29	8.48	6.60	14.14	8.01	6.43	4.36	9.08	9.70	3.23
3	1.73	2.55	3.11	7.89	6.36	13.79	7.75	6.31	3.68	13.26	10.29	4.03
4	1.67	---	2.26	8.22	7.30	10.73	5.98	4.93	4.61	16.15	9.73	4.63
5	1.43	---	3.25	8.66	7.22	9.35	5.24	4.42	6.79	19.48	8.75	3.31
6	1.06	---	5.52	5.70	7.02	11.29	5.10	4.91	6.97	19.64	8.40	3.49
7	0.94	3.36	5.18	7.77	6.99	13.24	6.48	10.54	7.71	18.14	8.16	3.61
8	0.88	---	3.37	6.44	7.52	15.20	11.20	14.45	12.00	16.38	8.56	3.70
9	0.85	5.48	4.28	5.31	8.03	19.17	14.21	16.35	15.20	14.51	8.46	3.02
10	0.83	5.35	5.20	5.51	7.86	20.77	16.04	17.57	15.92	12.54	8.00	3.04
11	0.82	3.98	5.50	5.43	8.52	19.37	16.62	17.11	13.89	11.40	8.41	2.80
12	0.80	---	5.47	5.08	9.57	17.62	16.76	15.71	10.68	10.22	8.11	2.25
13	1.10	---	7.27	4.68	9.30	16.04	16.44	14.09	11.68	7.83	7.65	2.33
14	1.56	11.41	11.06	4.84	7.92	13.83	15.59	11.75	13.48	6.96	8.00	2.33
15	1.57	11.69	12.12	4.56	8.35	10.76	14.68	8.29	15.09	7.41	6.28	2.29
16	1.85	---	12.28	4.99	7.18	10.53	13.94	7.52	15.62	8.14	5.40	2.23
17	2.93	---	9.32	4.73	10.82	11.73	10.27	7.14	15.42	8.60	6.49	2.06
18	4.42	---	6.87	5.32	13.60	13.75	6.40	7.41	15.06	8.72	8.39	1.46
19	3.25	---	6.75	5.33	14.14	14.73	7.08	13.37	14.69	8.17	9.35	1.90
20	2.36	---	7.80	4.22	14.22	15.73	7.93	15.51	14.14	6.63	8.74	2.11
21	2.24	---	9.15	4.35	13.78	18.04	7.87	16.19	13.47	6.17	7.26	2.10
22	2.79	---	8.49	3.60	13.47	20.79	7.76	15.34	12.61	5.65	6.21	2.07
23	3.55	---	8.25	3.60	13.84	21.02	7.60	15.18	11.90	7.36	5.43	2.26
24	2.77	5.91	6.77	5.93	14.02	20.56	7.49	17.58	10.99	11.06	5.00	5.09
25	2.69	4.96	11.12	6.15	13.83	19.06	9.25	20.54	6.91	12.69	4.78	5.45
26	3.79	4.02	14.81	5.16	13.66	---	9.19	20.22	5.67	12.72	4.81	4.66
27	2.81	4.03	16.55	3.12	13.58	---	10.13	18.53	5.43	11.39	4.64	4.58
28	2.20	5.27	17.07	4.53	13.75	14.59	9.30	16.70	7.69	8.87	4.53	4.07
29	2.30	3.74	16.34	4.73	---	12.01	7.94	14.60	5.63	6.58	3.94	3.15
30	3.28	3.43	14.68	4.18	---	9.24	6.02	12.55	4.26	6.47	3.16	2.98
31	5.21	---	12.63	4.89	---	8.51	---	9.34	---	5.95	2.83	---
MEAN	2.17	---	8.36	5.66	10.21	---	9.88	12.46	10.28	10.45	6.97	3.10
MAX	5.21	---	17.07	12.20	14.22	---	16.76	20.54	15.92	19.64	10.29	5.45
MIN	0.80	---	2.26	3.12	6.36	---	5.10	4.42	3.68	5.65	2.83	1.46

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223248 OCONEE RIVER NEAR OCONEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 319
LATITUDE 324714 LONGITUDE 0825726 NAD27 DRAINAGE AREA 3770 CONTRIBUTING DRAINAGE AREA 3770* DATUM 171.83 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01	0.00	0.00	0.04	0.00	0.59	0.00	0.16	---	---	0.15	0.00
2	0.00	0.00	0.00	0.01	0.00	0.10	0.00	0.84	---	---	0.57	0.14
3	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.01	---	---	0.57	0.00
4	0.00	---	0.00	0.00	0.19	0.04	0.00	0.01	0.38	---	0.05	0.12
5	0.00	---	0.47	0.00	0.00	0.03	0.00	0.00	0.01	---	0.10	0.00
6	0.00	---	0.00	0.00	0.56	0.45	0.00	0.46	0.76	---	0.04	---
7	0.00	0.00	0.00	0.00	0.06	0.23	---	0.06	1.62	---	0.02	---
8	0.00	0.00	0.00	0.00	0.00	0.00	---	0.27	0.41	---	0.01	0.13
9	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	---	0.00	0.00
10	0.01	0.04	0.19	0.00	0.14	0.00	---	0.00	0.00	---	0.23	0.00
11	0.00	1.94	0.03	0.00	0.00	0.00	---	0.03	0.00	0.01	0.01	0.00
12	0.00	---	0.00	0.00	0.00	0.00	---	0.00	1.71	0.00	0.08	0.00
13	1.65	---	1.58	0.00	0.00	0.07	---	0.00	1.37	0.00	0.01	0.00
14	0.01	0.00	0.00	0.00	0.00	0.01	---	0.00	0.98	0.00	0.00	0.00
15	0.59	0.00	0.00	0.00	0.00	1.43	---	0.11	0.00	0.00	0.10	0.00
16	0.01	---	0.00	0.08	2.23	0.00	0.00	0.00	0.44	0.02	0.56	0.00
17	0.00	---	0.00	0.01	0.06	0.84	0.00	0.40	0.94	0.00	0.01	0.00
18	0.00	---	0.00	0.00	0.00	0.10	0.15	---	0.20	0.00	0.00	0.00
19	0.00	0.00	0.14	0.00	0.00	0.55	0.00	---	0.01	0.00	0.00	0.00
20	0.00	0.00	0.37	0.00	0.00	1.11	0.00	---	0.00	0.00	0.00	0.00
21	0.02	0.00	0.00	0.00	0.13	0.00	0.00	---	0.00	0.00	0.00	0.30
22	0.01	0.00	0.00	0.21	0.74	0.00	0.00	---	0.00	1.91	0.28	0.28
23	0.00	0.00	0.00	0.00	0.02	0.00	0.00	---	0.00	0.74	0.00	0.19
24	0.17	0.00	1.42	0.00	0.00	0.00	0.00	---	0.00	0.00	0.03	0.00
25	0.01	0.00	0.11	0.00	0.00	0.00	0.54	---	0.00	0.02	0.00	0.00
26	0.00	0.00	0.00	0.00	0.18	0.00	0.00	---	0.00	0.15	0.00	0.00
27	0.02	0.00	0.00	0.00	0.57	0.00	0.00	---	0.00	0.00	0.00	0.01
28	0.13	0.00	0.00	0.00	0.00	0.00	0.00	---	0.28	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	---	---	0.00	---	0.00
30	0.01	0.00	0.00	1.25	---	0.14	0.00	---	---	0.00	---	0.00
31	0.00	---	0.39	0.00	---	0.00	---	---	---	0.00	0.00	---
TOTAL	2.65	---	4.70	1.60	4.88	5.69	---	---	---	---	---	---

ALTAMAHA RIVER BASIN
2003 Water Year

02223349 BIG SANDY CREEK TRIBUTARY NEAR IRWINTON, GA

LOCATION.—Lat 32°48'11", long 83°13'37" referenced to North American Datum (NAD) of 1927, Wilkinson County, Hydrologic Unit 03070102, at culvert on White Springs Road, 1.7 miles southwest of Irwinton.

DRAINAGE AREA.—0.50 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1977 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 285.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

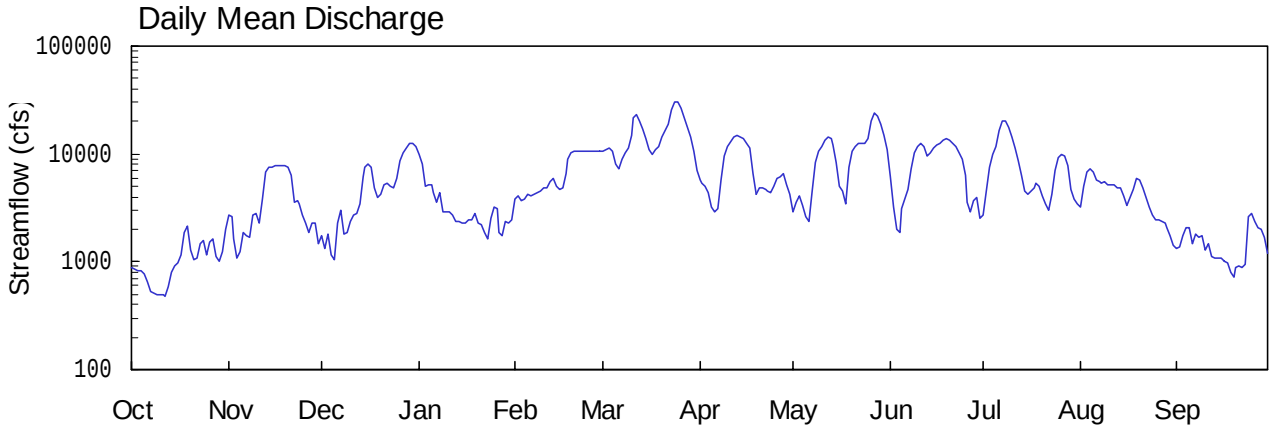
MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 3.92 feet, March 20, 2003
DISCHARGE: 102 cfs, March 20, 2003

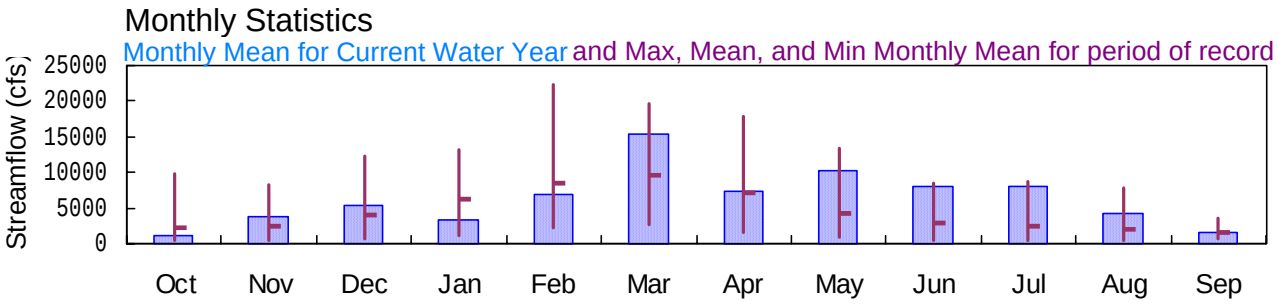
MAXIMUM FOR CURRENT YEAR.—
STAGE: 3.92 feet, March 20
DISCHARGE: 102 cfs, March 20

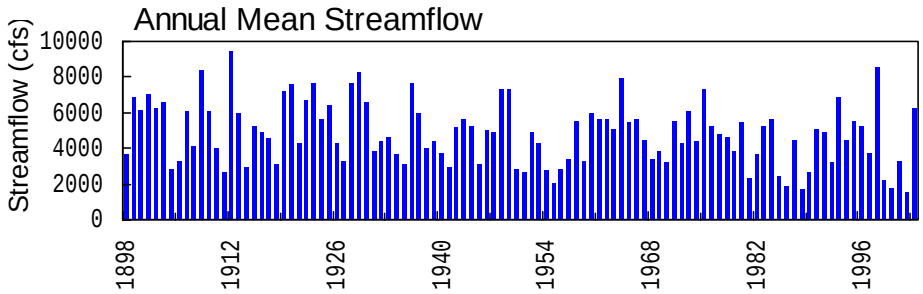
2003 Water Year

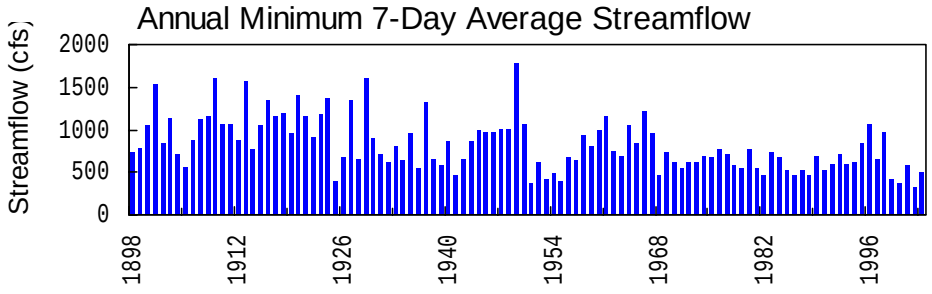
02223500 OCONEE RIVER AT DUBLIN, GA

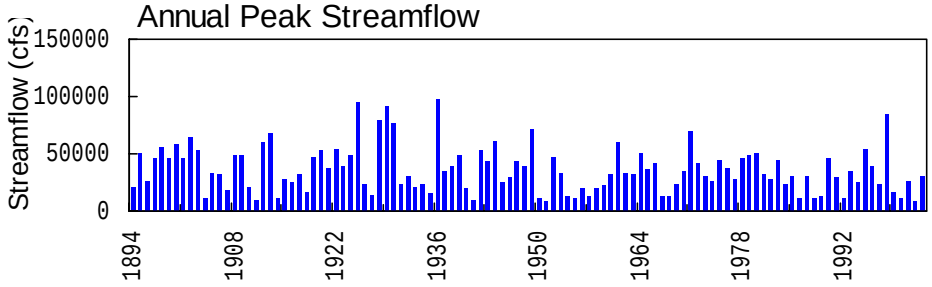
Latitude: 32°32'40" Longitude: 082°53'41" Hydrologic Unit Code: 03070102 Laurens County
Drainage Area: 440 mi² Datum: 149.0 feet

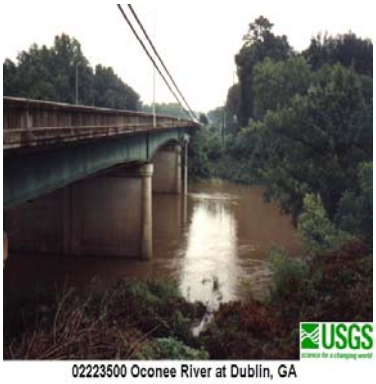












02223500 Oconee River at Dublin, GA
July 18, 1991

ALTAMAHA RIVER BASIN
2003 Water Year

02223500 OCONEE RIVER AT DUBLIN, GA

LOCATION.—Lat 32°32'40", long 82°53'41" referenced to North American Datum (NAD) of 1927, Laurens County, Hydrologic Unit 03070102, near left bank on downstream end of pier of bridge on US 80 at Dublin, and at mile 74.3.

DRAINAGE AREA.—4,400 square miles, approximately.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 1894 to September 1897 (gage-heights only), October 1897 to current year. Gage-height records collected at same site since 1893 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 822: Drainage area. WSP 1504: 1898- 1903, 1905- 6, 1908-9, 1912, 1913(M), 1925(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 149.08 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to April 14, 1932, a non-recording gage was installed, and from April 15, 1932, to June 17, 1934, a water-stage recorder was located at a site 420 feet downstream at datum 3.0 feet higher. From October 1, 1933, to July 17, 1934 recorded data are corrected to present datum. From July 18, 1934, to April 14, 1936, a water-stage recorder and from April 15, 1936, to October 12, 1938, a non-recording gage, and from October 13, 1938 to January 20, 1953, a water-stage recorder was located at a site 80 feet upstream at present datum.

REMARKS.—Records good, except for periods of estimated discharges, which are fair. Flow regulated by Lake Oconee and Sinclair Reservoir. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1893, that of April 12-13, 1936.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 19,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/12	0300	23,500	21.42
03/25	0000	31,100*	23.81*
05/27	1345	23,900	21.59
07/07	1830	21,000	20.44

ALTAMAHA RIVER BASIN
2003 Water Year

02223500 OCONEE RIVER AT DUBLIN, GA

WATER-STAGE RECORDS

PERIOD OF RECORD.—January 1894 to September 1897 (gage-heights only), October 1897 to current year. Gage-height records collected at same site since 1893 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 822: Drainage area. WSP 1504: 1898- 1903, 1905- 6, 1908-9, 1912, 1913(M), 1925(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 149.08 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to April 14, 1932, a non-recording gage and from April 15, 1932, to June 17, 1934, a water-stage recorder was located at a site 420 feet downstream at datum 3.0 feet higher. From October 1, 1933, to July 17, 1934 recorded data are corrected to present datum. From July 18, 1934, to April 14, 1936, a water-stage recorder and from April 15, 1936, to October 12, 1938, a non-recording gage, and from October 13, 1938 to January 20, 1953, a water-stage recorder was located at a site 80 feet upstream at present datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 23.81 feet, March 25; minimum gage-height recorded, 0.91 feet, October 12, 13.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 17, 2001 to current year.

GAGE.—Tipping-bucket rain gage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223500 OCONEE RIVER AT DUBLIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 175
LATITUDE 323240 LONGITUDE 0825341 NAD27 DRAINAGE AREA 4400 CONTRIBUTING DRAINAGE AREA 4400* DATUM 149.08 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	886	2720	1720	9950	3800	10500	5790	2940	6170	2720	3170	1320
2	853	2610	1310	8180	4140	10900	5330	3570	3210	4490	5040	e1360
3	825	1610	e1810	4980	3700	11100	5060	4030	2010	7580	6740	1720
4	811	1100	e1140	5150	3870	10500	4340	3370	1890	e9940	7350	2080
5	759	1250	1040	5120	4190	8100	3250	2650	3100	11700	6830	2100
6	640	1890	2290	4390	4030	7260	2950	2330	3820	16300	5830	1460
7	531	1720	3040	3550	4160	8860	3160	4470	4720	20500	5550	1790
8	515	1670	1830	4420	4440	10100	5800	8480	7160	20100	5410	1710
9	488	2690	1840	2870	4600	11400	9530	10500	10100	17500	5590	1720
10	494	2790	2340	2880	4810	15100	11700	11900	11900	14300	5100	1290
11	487	2300	2740	2860	4810	21900	13100	13600	12700	11200	5100	1450
12	479	3810	2840	2700	5470	22900	14200	14600	11700	8710	5210	1130
13	585	6790	3400	2380	5930	20000	14700	13700	9720	6340	4890	e1100
14	802	7470	6070	2390	5080	16800	14500	12000	10100	4560	4800	e1080
15	923	7570	7570	2280	4750	13800	13700	8260	11300	4220	4140	e1080
16	994	7770	8050	2320	4850	11000	12600	5050	12100	4580	3350	1000
17	1150	7900	7600	2460	6620	9820	11200	4460	12700	4860	3980	968
18	1840	7870	4770	2430	9010	10900	6470	3460	13500	5430	4740	810
19	2150	7710	3930	2770	10100	11700	4210	7420	14000	4980	5890	712
20	1260	7450	4190	2280	10600	14500	4780	10400	13600	4060	5720	880
21	1040	6260	5190	2250	10800	16500	4850	11800	12600	3460	4900	905
22	1100	3570	5370	1880	10600	18700	4740	12500	11600	3030	3900	890
23	1460	3690	4980	1620	10700	25500	4570	12700	10200	4200	3230	941
24	1580	3420	4840	2520	10700	30200	4400	12500	8900	7110	2760	e2590
25	1160	2690	5900	3250	10700	30400	4940	14100	6270	9170	2480	e2780
26	1540	2260	8750	3130	10500	26800	5950	19900	3620	9930	2480	e2370
27	1640	1860	10200	1890	10400	21500	6090	23600	2910	9600	2360	2100
28	1120	2310	11400	1760	10400	17400	6570	22100	3710	7790	2260	1980
29	1010	2320	12400	2350	---	14300	5250	18600	3960	4750	2100	1680
30	1240	1460	12700	2310	---	10600	4160	15000	2550	3810	1750	1190
31	1990	---	11700	2420	---	6930	---	11100	---	3400	1400	---
TOTAL	32352	116530	162950	101740	193760	475970	217890	321090	241820	250320	134050	44186
MEAN	1044	3884	5256	3282	6920	15350	7263	10360	8061	8075	4324	1473
MAX	2150	7900	12700	9950	10800	30400	14700	23600	14000	20500	7350	2780
MIN	479	1100	1040	1620	3700	6930	2950	2330	1890	2720	1400	712
CFSM	0.24	0.88	1.19	0.75	1.57	3.49	1.65	2.35	1.83	1.84	0.98	0.33
IN.	0.27	0.99	1.38	0.86	1.64	4.02	1.84	2.71	2.04	2.12	1.13	0.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2003, BY WATER YEAR (WY)

MEAN	2160	2429	4010	6318	8495	9652	7047	4147	2878	2377	2058	1546
MAX	9883	8254	12390	13100	22360	19680	17960	13390	8439	8767	7706	3625
(WY)	1990	1993	1993	1998	1998	1998	1964	1964	1966	1963	1994	1975
MIN	469	556	757	1199	2278	2649	1493	807	455	421	387	607
(WY)	1955	1982	2002	1956	1989	1955	1986	2000	2000	2000	2002	1987

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1953 - 2003	
ANNUAL TOTAL	819315		2292658			
ANNUAL MEAN	2245		6281		4406	
HIGHEST ANNUAL MEAN					8614	1998
LOWEST ANNUAL MEAN					1553	2002
HIGHEST DAILY MEAN	12700	Dec 30	30400	Mar 25	77500	Mar 12 1998
LOWEST DAILY MEAN	319	Sep 8	479	Oct 12	319	Sep 8 2002
ANNUAL SEVEN-DAY MINIMUM	324	Sep 7	511	Oct 7	324	Sep 7 2002
MAXIMUM PEAK FLOW			31100	Mar 25	85000	Mar 11 1998
MAXIMUM PEAK STAGE			23.81	Mar 25	32.00	Mar 11 1998
ANNUAL RUNOFF (CFSM)	0.51		1.43		1.00	
ANNUAL RUNOFF (INCHES)	6.93		19.38		13.61	
10 PERCENT EXCEEDS	5640		13500		10500	
50 PERCENT EXCEEDS	1250		4580		2480	
90 PERCENT EXCEEDS	386		1160		775	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223500 OCONEE RIVER AT DUBLIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 175
LATITUDE 323240 LONGITUDE 0825341 NAD27 DRAINAGE AREA 4400 CONTRIBUTING DRAINAGE AREA 4400* DATUM 149.08 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.85	4.70	3.21	13.39	6.19	13.59	8.79	5.14	9.17	4.80	5.46	2.63
2	1.79	4.55	2.58	11.62	6.64	13.93	8.23	6.01	5.48	7.17	7.86	---
3	1.73	3.04	---	7.81	6.04	14.12	7.90	6.59	3.71	10.67	9.85	3.25
4	1.70	2.23	---	8.05	6.28	13.54	6.99	5.73	3.51	---	10.47	3.82
5	1.59	2.46	2.14	8.00	6.72	11.30	5.57	4.70	5.35	14.42	9.94	3.85
6	1.33	3.46	4.07	7.00	6.50	10.47	5.15	4.23	6.33	17.81	8.84	2.86
7	1.06	3.21	5.15	5.84	6.68	12.02	5.43	7.09	7.46	20.21	8.49	3.39
8	1.02	3.13	3.38	7.04	7.07	13.15	8.72	11.53	10.24	20.04	8.33	3.28
9	0.95	4.66	3.38	4.92	7.29	14.27	12.48	13.32	12.96	18.62	8.55	3.31
10	0.97	4.81	4.15	4.93	7.59	17.13	14.36	14.57	14.54	16.54	7.95	2.63
11	0.95	4.08	4.73	4.90	7.58	20.77	15.67	16.03	15.38	13.91	7.95	2.90
12	0.93	6.19	4.88	4.67	8.46	21.18	16.48	16.77	14.39	11.75	8.08	2.37
13	1.19	10.13	5.64	4.21	9.05	19.97	16.84	16.16	12.65	9.40	7.69	---
14	1.68	10.89	9.24	4.23	7.94	18.22	16.73	14.69	13.01	7.26	7.57	---
15	1.93	11.01	11.00	4.06	7.50	16.26	16.12	11.28	14.07	6.83	6.73	---
16	2.06	11.22	11.51	4.12	7.63	13.82	15.22	7.89	14.80	7.29	5.70	2.18
17	2.31	11.36	11.02	4.34	9.82	12.80	13.98	7.14	15.34	7.65	6.52	2.13
18	3.39	11.32	7.52	4.28	12.29	13.70	9.46	5.84	15.99	8.35	7.50	1.83
19	3.86	11.16	6.34	4.78	13.33	14.48	6.82	10.46	16.37	7.79	8.90	1.63
20	2.50	10.88	6.71	4.06	13.78	16.69	7.55	13.28	16.04	6.63	8.71	1.98
21	2.14	9.46	8.10	4.01	13.88	18.06	7.64	14.46	15.29	5.85	7.69	2.03
22	2.23	5.86	8.34	3.45	13.74	19.26	7.50	15.20	14.30	5.26	6.42	2.00
23	2.82	6.01	7.81	3.05	13.77	22.11	7.28	15.35	13.08	6.80	5.54	2.10
24	2.99	5.66	7.62	4.40	13.83	23.57	7.07	15.21	11.93	10.20	4.86	---
25	2.33	4.66	9.00	5.44	13.82	23.63	7.74	16.38	9.25	12.18	4.46	---
26	2.93	4.02	12.22	5.27	13.61	22.54	8.98	19.85	6.06	12.84	4.45	---
27	3.08	3.42	13.66	3.46	13.51	20.62	9.14	21.47	5.09	12.56	4.27	4.01
28	2.26	4.10	14.73	3.27	13.48	18.57	9.68	20.87	6.16	10.89	4.10	3.82
29	2.08	4.11	15.69	4.17	---	16.57	8.13	19.24	6.49	7.49	3.85	3.35
30	2.47	2.81	15.89	4.12	---	13.39	6.76	17.07	4.56	6.31	3.30	2.56
31	3.61	---	15.03	4.27	---	10.03	---	13.88	---	5.77	2.75	---
MEAN	2.06	6.15	---	5.39	9.79	16.44	9.95	12.50	10.63	---	6.86	---
MAX	3.86	11.36	---	13.39	13.88	23.63	16.84	21.47	16.37	---	10.47	---
MIN	0.93	2.23	---	3.05	6.04	10.03	5.15	4.23	3.51	---	2.75	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02223500 OCONEE RIVER AT DUBLIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 175
LATITUDE 323240 LONGITUDE 0825341 NAD27 DRAINAGE AREA 4400 CONTRIBUTING DRAINAGE AREA 4400* DATUM 149.08 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.07	0.00	1.03	0.00	0.04	0.00	0.22	0.35	---
2	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.46	0.00	0.03	0.04	---
3	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.13	0.00	0.02	0.00
4	0.00	0.12	0.00	0.00	0.18	0.22	0.00	0.00	0.02	0.07	0.85	0.00
5	0.00	---	0.25	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.53
6	0.00	---	0.00	0.00	0.52	0.19	0.00	0.13	1.21	0.00	0.11	0.15
7	0.89	---	0.00	0.00	0.04	0.41	0.32	0.01	1.46	0.01	0.01	0.57
8	0.13	---	0.00	0.00	0.01	0.00	0.87	0.04	0.51	1.36	0.23	0.01
9	0.02	---	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.00	1.11	0.00
10	0.00	---	0.09	0.00	0.10	0.00	0.48	0.00	0.00	0.00	0.80	0.00
11	0.00	---	0.04	0.00	0.00	0.00	0.01	0.15	0.00	0.02	0.00	0.00
12	0.00	---	0.00	0.00	0.00	0.00	0.00	0.01	0.73	0.00	0.59	0.00
13	0.41	---	1.15	0.00	0.00	0.02	0.00	0.00	0.36	0.03	0.00	0.00
14	0.68	---	0.00	0.00	0.00	0.02	0.00	0.00	1.07	0.19	0.00	0.00
15	0.64	---	0.00	0.00	0.00	1.27	0.00	0.03	0.00	0.01	0.00	0.00
16	0.00	0.86	0.00	0.09	1.22	0.00	0.00	0.00	0.15	0.00	---	0.00
17	0.00	0.14	0.00	0.00	0.04	0.92	0.03	0.00	0.48	0.01	---	0.00
18	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.38	1.24	0.03	---	0.00
19	0.00	0.00	0.14	0.00	0.00	0.09	0.00	0.01	0.01	0.01	---	0.00
20	0.00	0.00	0.20	0.00	0.00	2.64	0.00	0.00	0.08	0.00	---	0.00
21	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.02	0.00	0.00	---	0.01
22	0.00	0.00	0.00	0.35	0.72	0.00	0.00	1.02	0.00	0.78	---	0.23
23	0.03	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.73	---	0.03
24	0.20	0.00	1.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---
25	0.03	0.00	0.07	0.00	0.00	0.00	0.27	0.00	0.00	0.15	---	---
26	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.07	---	---
27	0.06	0.00	0.00	0.00	0.35	0.29	0.00	0.00	0.00	0.00	---	0.00
28	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00	---	0.00
29	0.03	0.00	0.00	0.00	---	0.00	0.00	0.00	0.52	0.00	---	0.00
30	0.02	0.00	0.00	0.77	---	0.09	0.00	0.00	0.35	0.00	---	0.00
31	0.00	---	0.34	0.00	---	0.00	---	0.02	---	0.22	---	---
TOTAL	3.17	---	3.59	1.29	3.34	7.42	2.55	2.35	8.68	3.94	---	---

ALTAMAHA RIVER BASIN
2003 Water Year

02224100 TURKEY CREEK AT US 441, NEAR DUBLIN, GA

LOCATION.—Lat 32°27'21", long 82°56'32" referenced to North American Datum (NAD) of 1927, Laurens County, Hydrologic Unit 03070102, at US 319 and 441, 5.0 miles south of Dublin.

DRAINAGE AREA.—316 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.--1929, 1984 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 175.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest stage gage is a device that will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.--
STAGE: 20.90 feet, March 19, 1929
DISCHARGE: 19,000 cfs, March 19, 1929

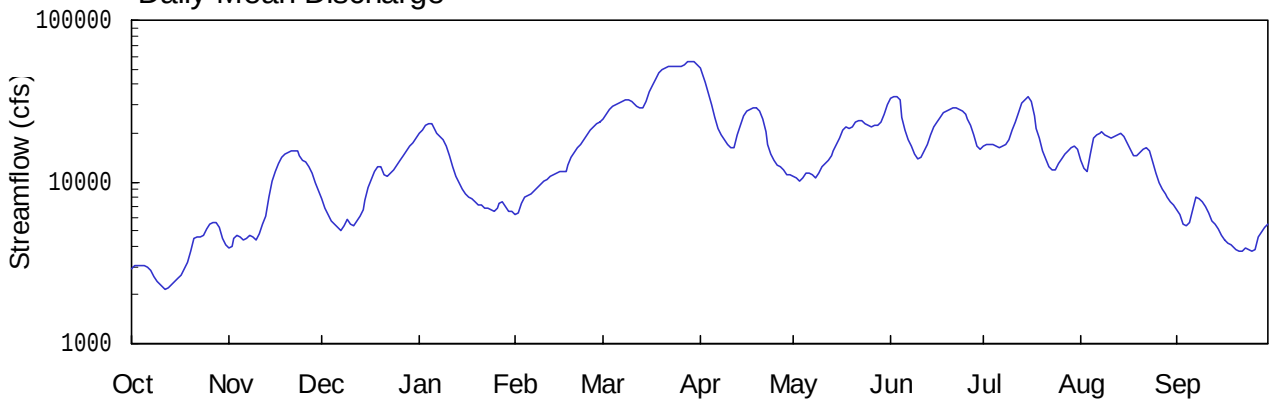
MAXIMUM FOR CURRENT YEAR.--
STAGE: 15.03 feet, June 7
DISCHARGE: 6,130 cfs, June 7

2003 Water Year

02225000 ALTAMAHA RIVER NEAR BAXLEY, GA

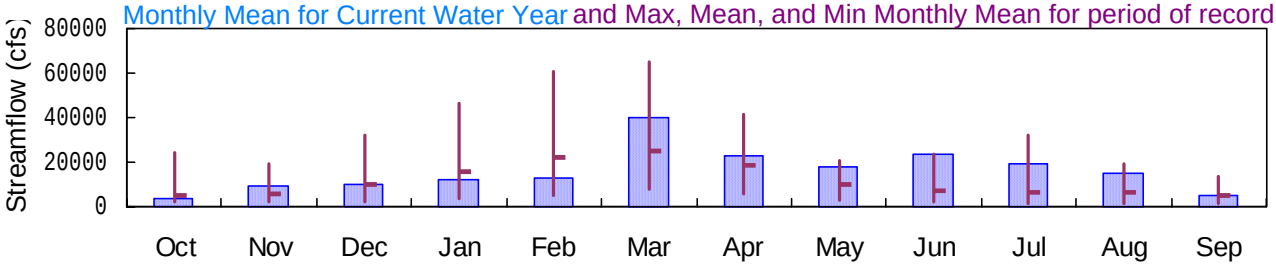
Latitude: 31°56'20" Longitude: 082°21'13" Hydrologic Unit Code: 03070106 Appling County
Drainage Area: 1160 mi² Datum: 61.5 feet

Daily Mean Discharge

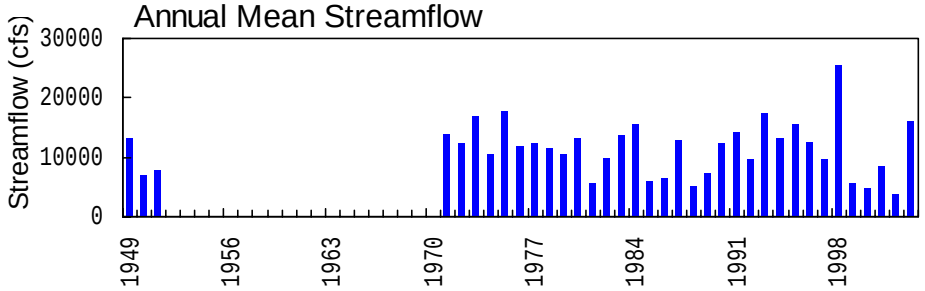


Monthly Statistics

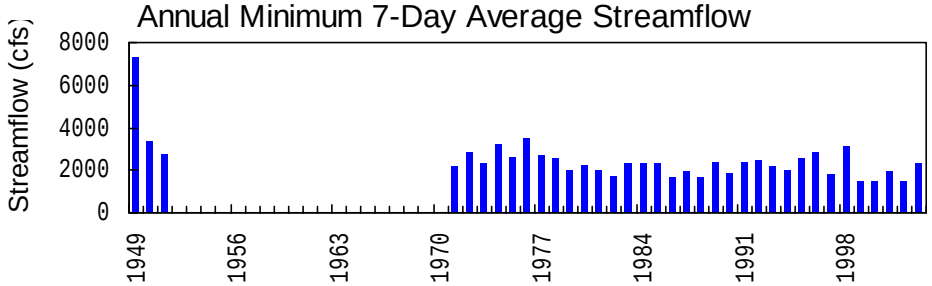
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



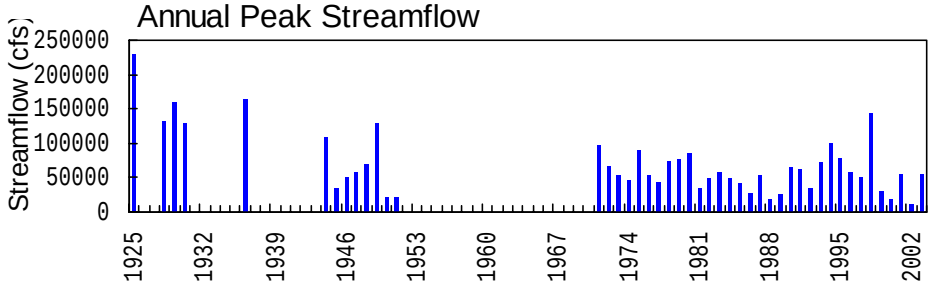
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



USGS science for a changing world

NO PHOTOS AVAILABLE FOR THIS SITE

ALTAMAHA RIVER BASIN
2003 Water Year

02225000 ALTAMAHA RIVER NEAR BAXLEY, GA

LOCATION.—Lat 31°56'20", long 82°21'13" referenced to North American Datum (NAD) of 1927, Appling-Toombs County line, Hydrologic Unit 03070106, on right bank 400 feet downstream from bridge on U.S. 1, 2.2 miles upstream from Bay Creek, 8.0 miles downstream from Bullards Creek, and 12.0 miles north of Baxley.

DRAINAGE AREA.—11,600 square miles, approximately.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 1949 to June 1951, October 1970 to current year.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 61.51 feet above National Geodetic Vertical Datum (NGVD) of 1929. From August 13, 1949, to June 30, 1951, a non-recording gage was located at site 400.00 feet upstream at same datum.

REMARKS.—Records good, except for period from April 4 to September 30, which is fair.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of December 10, 1948, reached a stage of 25.1 feet, from flood marks, discharge, 130,000 cfs. Flood of January 1925 reached a stage of 30.0 feet, from information furnished by Georgia Department of Transportation.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 25,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/29	1215	56,300*	18.17*

No other peaks above base discharge

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 1949 to June 1951, October 1970 to current year.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 61.51 feet above National Geodetic Vertical Datum (NGVD) of 1929. From August 13, 1949, to June 30, 1951, a non-recording gage was located at site 400.00 feet upstream at same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 18.17 feet, March 29; minimum gage-height recorded, 1.25 feet, October 13.

02225000 ALTAMAHA RIVER NEAR BAXLEY, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—September 6, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02225000 ALTAMAHA RIVER NEAR BAXLEY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 001
LATITUDE 315620 LONGITUDE 0822113 NAD27 DRAINAGE AREA 11600 CONTRIBUTING DRAINAGE AREA 11600* DATUM 61.51 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2940	3910	7910	19900	6330	24600	51100	e10900	e32700	16800	13600	e6690
2	3020	4030	6920	21100	6430	26500	47100	e10500	e33800	16900	12000	e6220
3	3050	4470	6310	22300	7330	28200	41000	10200	e33400	17000	11600	5490
4	3060	4660	5690	23100	8050	29400	e34900	10600	32100	17000	14900	5390
5	3050	4540	5430	23100	8180	29900	e30200	11300	25200	16600	18600	5580
6	3000	4410	5230	21600	8410	30500	e25200	11400	20800	16500	19500	6710
7	2850	4460	4980	20200	8880	31600	e21500	11000	18400	16500	19800	8060
8	2600	4680	5310	19300	9270	32400	e19700	10600	16500	17100	20300	7930
9	2400	4540	5820	18000	9710	32400	e18400	11300	14900	18400	19700	7520
10	2310	4340	5510	16800	10100	31600	e17200	12400	14000	20900	18900	7000
11	2220	4800	5310	14600	10400	30600	e16300	13100	14400	e23400	18800	6390
12	2160	5460	5720	12500	10800	29400	e16500	13700	15400	e27100	19100	5780
13	2190	6190	6200	10900	11000	28400	e19400	14400	17100	e30700	19600	5460
14	2300	8020	6690	9820	11300	28700	e22400	15500	19400	e32400	20000	5070
15	2410	10100	7690	9020	11600	31600	e25800	16900	22100	e33300	19300	4630
16	2550	11600	9140	8510	11600	35800	e27600	18900	23700	31200	17500	4360
17	2670	12900	10500	8130	11700	39600	e28200	20700	25000	25600	15900	4210
18	2880	14100	11600	7870	12700	43500	28600	21800	26700	21600	14600	4070
19	3170	14900	12500	7570	14100	47200	28400	21600	27600	18500	14600	3940
20	3710	15300	12400	7210	15200	49100	27400	21800	28200	15700	15100	3820
21	4420	15500	11100	7150	16100	50800	24600	23300	28800	13700	15800	3720
22	4570	15600	10800	6930	17200	51500	20200	24200	29000	12400	16300	3740
23	4550	15500	11300	6810	18200	51400	17100	23900	28300	11800	15600	3860
24	4720	14500	11900	6740	19600	51500	15000	22900	27300	11900	13400	3790
25	5070	13500	12600	6550	21000	51900	13500	22300	26100	12900	11200	3710
26	5500	13200	13600	6810	21900	52100	e12600	22100	24500	13900	9840	3830
27	5630	12500	14600	7400	22600	53300	e12400	22200	22500	14700	8980	4580
28	5610	11400	15500	7520	23400	55000	e11700	22400	19600	15500	8510	4930
29	5200	9890	16500	6980	---	55700	e11000	23300	16700	16200	e8050	5200
30	4520	8780	17600	6560	---	54900	e11000	26100	16100	16700	e7600	5430
31	4110	---	18600	6530	---	53200	---	e29900	---	16000	e7200	---
TOTAL	108440	277780	300960	377510	363090	1242300	696000	551200	700300	588900	465880	157110
MEAN	3498	9259	9708	12180	12970	40070	23200	17780	23340	19000	15030	5237
MAX	5630	15600	18600	23100	23400	55700	51100	29900	33800	33300	20300	8060
MIN	2160	3910	4980	6530	6330	24600	11000	10200	14000	11800	7200	3710
CFSM	0.30	0.80	0.84	1.05	1.12	3.45	2.00	1.53	2.01	1.64	1.30	0.45
IN.	0.35	0.89	0.97	1.21	1.16	3.98	2.23	1.77	2.25	1.89	1.49	0.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2003, BY WATER YEAR (WY)

MEAN	5303	5894	9956	15680	21840	25060	18720	9721	7207	6440	6097	4699
MAX	24560	19540	31920	46750	60420	65210	41730	20630	23340	32470	19600	13860
(WY)	1995	1998	1998	1998	1998	1998	1975	1975	2003	1994	1994	1949
MIN	1864	1871	2424	3395	4803	7978	5635	2576	1877	1667	1627	1643
(WY)	1982	2002	2002	1981	1989	2002	1986	1986	2000	2000	2002	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1949 - 2003	
ANNUAL TOTAL	1865020		5829470			
ANNUAL MEAN	5110		15970		11430	
HIGHEST ANNUAL MEAN					25530	1998
LOWEST ANNUAL MEAN					3762	2002
HIGHEST DAILY MEAN	18600	Dec 31	55700	Mar 29	142000	Mar 16 1998
LOWEST DAILY MEAN	1450	Sep 12	2160	Oct 12	1450	Aug 29 2000
ANNUAL SEVEN-DAY MINIMUM	1500	Sep 8	2280	Oct 9	1460	Aug 25 2000
MAXIMUM PEAK FLOW			56300	Mar 29	144000	Mar 16 1998
MAXIMUM PEAK STAGE			18.17	Mar 29	24.15	Mar 16 1998
INSTANTANEOUS LOW FLOW					1440	Aug 27 2000
ANNUAL RUNOFF (CFSM)	0.44		1.38		0.98	
ANNUAL RUNOFF (INCHES)	5.98		18.69		13.38	
10 PERCENT EXCEEDS	10600		30000		26000	
50 PERCENT EXCEEDS	3880		13900		6800	
90 PERCENT EXCEEDS	1730		4420		2540	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02225000 ALTAMAHA RIVER NEAR BAXLEY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 001
LATITUDE 315620 LONGITUDE 0822113 NAD27 DRAINAGE AREA 11600 CONTRIBUTING DRAINAGE AREA 11600* DATUM 61.51 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.22	3.23	6.51	12.18	5.34	13.53	17.61	---	---	11.07	9.70	---
2	2.30	3.35	5.79	12.56	5.42	13.98	17.18	---	---	11.13	8.94	---
3	2.34	3.76	5.32	12.93	6.09	14.34	16.42	7.99	15.60	11.16	8.76	4.80
4	2.36	3.93	4.81	13.16	6.61	14.57	---	8.23	15.05	11.14	10.25	4.73
5	2.34	3.82	4.59	13.16	6.71	14.66	---	8.60	13.66	11.00	11.73	4.88
6	2.29	3.70	4.42	12.73	6.86	14.78	---	8.64	12.47	10.94	12.04	5.74
7	2.11	3.75	4.21	12.25	7.18	14.98	---	8.42	11.65	10.98	12.13	6.69
8	1.83	3.95	4.48	11.96	7.44	15.11	---	8.24	10.94	11.18	12.31	6.60
9	1.60	3.82	4.92	11.53	7.71	15.12	---	8.58	10.26	11.65	12.11	6.33
10	1.49	3.64	4.66	11.07	7.93	14.99	---	9.14	9.90	12.49	11.82	5.96
11	1.39	4.05	4.48	10.16	8.14	14.80	---	9.48	10.04	---	11.78	5.51
12	1.31	4.61	4.84	9.16	8.35	14.58	---	9.73	10.51	---	11.89	5.04
13	1.35	5.22	5.23	8.40	8.42	14.39	---	10.06	11.19	---	12.06	4.78
14	1.48	6.58	5.62	7.78	8.57	14.44	---	10.52	12.01	---	12.19	4.46
15	1.61	7.92	6.35	7.27	8.74	14.98	---	11.12	12.87	---	11.95	4.09
16	1.77	8.73	7.35	6.93	8.73	15.66	---	11.81	13.30	14.89	11.34	3.85
17	1.91	9.39	8.15	6.67	8.78	16.23	---	12.42	13.64	13.78	10.70	3.72
18	2.14	9.94	8.75	6.49	9.26	16.75	14.42	12.78	14.03	12.71	10.14	3.59
19	2.47	10.29	9.19	6.27	9.91	17.19	14.39	12.71	14.22	11.67	10.17	3.46
20	3.04	10.45	9.12	6.01	10.43	17.41	14.17	12.79	14.34	10.62	10.35	3.35
21	3.71	10.53	8.48	5.97	10.81	17.59	13.52	13.20	14.46	9.76	10.68	3.26
22	3.85	10.58	8.33	5.80	11.20	17.66	12.27	13.43	14.50	9.16	10.88	3.28
23	3.83	10.55	8.59	5.70	11.59	17.65	11.17	13.36	14.36	8.84	10.57	3.39
24	3.98	10.08	8.89	5.66	12.05	17.66	10.34	13.11	14.17	8.91	9.61	3.33
25	4.29	9.66	9.22	5.51	12.54	17.70	9.64	12.92	13.90	9.36	8.56	3.24
26	4.65	9.51	9.70	5.71	12.82	17.72	---	12.87	13.51	9.85	7.80	3.36
27	4.76	9.19	10.13	6.15	13.04	17.86	---	12.91	12.99	10.21	7.28	4.04
28	4.74	8.63	10.55	6.24	13.24	18.04	---	12.98	12.08	10.52	6.99	4.34
29	4.39	7.82	10.97	5.84	---	18.11	---	13.22	11.02	10.84	---	4.57
30	3.80	7.11	11.36	5.52	---	18.02	---	13.90	10.79	11.04	---	4.76
31	3.43	---	11.74	5.49	---	17.85	---	---	---	10.74	---	---
MEAN	2.73	6.93	7.31	8.46	9.07	16.08	---	---	---	---	---	---
MAX	4.76	10.58	11.74	13.16	13.24	18.11	---	---	---	---	---	---
MIN	1.31	3.23	4.21	5.49	5.34	13.53	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02225000 ALTAMAHA RIVER NEAR BAXLEY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 001
LATITUDE 315620 LONGITUDE 0822113 NAD27 DRAINAGE AREA 11600 CONTRIBUTING DRAINAGE AREA 11600* DATUM 61.51 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.06	0.00	1.03	0.00	0.00	0.00	0.23	0.26	0.00
2	0.00	0.00	0.00	0.02	0.00	0.27	0.00	0.65	0.00	0.58	0.19	0.38
3	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.10	0.17	0.43	4.62	0.00
4	0.00	0.02	0.00	0.00	0.08	0.34	0.00	0.00	0.02	0.25	0.34	0.00
5	0.00	1.06	0.43	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.02	0.80
6	0.00	0.69	0.00	0.00	0.59	0.60	0.00	0.00	0.28	0.45	0.09	0.82
7	0.00	0.00	0.00	0.00	0.04	0.65	0.35	0.00	0.53	0.38	0.04	0.11
8	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.06	0.00	0.42	0.04
9	0.00	0.00	0.04	0.00	0.07	0.02	1.02	0.00	0.00	0.00	1.56	0.01
10	0.00	0.13	0.26	0.00	0.38	0.00	0.79	0.00	0.00	0.00	0.91	0.00
11	0.00	0.19	0.11	0.00	0.00	0.00	0.00	0.07	0.00	0.01	0.03	0.00
12	0.00	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.85	0.10	0.05	0.00
13	0.80	0.00	0.57	0.00	0.00	0.07	0.00	0.00	0.13	0.00	0.01	0.00
14	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.50	0.01	0.00
15	0.24	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.61	0.00	0.01	0.80	0.00	0.00	0.00	1.49	0.00	0.06	0.00
17	0.00	0.15	0.00	0.04	0.07	0.41	0.00	0.00	0.08	0.22	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.10	0.14	0.94	0.05	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.19	0.25	0.05	0.00	0.00
20	0.00	0.00	0.30	0.00	0.00	1.44	0.01	0.00	0.10	0.00	0.50	0.00
21	0.39	0.00	0.00	0.00	0.02	0.11	0.00	0.00	0.00	0.00	0.00	0.04
22	0.00	0.00	0.00	0.28	0.46	0.00	0.00	0.77	0.00	1.22	0.00	0.24
23	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.02	0.00	0.97	0.00	0.52
24	1.45	0.00	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00
25	0.01	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.01	0.03	0.00
26	0.00	0.00	0.00	0.00	0.16	0.34	0.05	0.00	0.00	0.06	0.00	0.00
27	0.00	0.00	0.00	0.00	0.76	0.01	0.00	0.07	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00
29	0.06	0.00	0.00	0.00	---	0.00	0.00	0.00	0.10	0.00	0.29	0.00
30	0.53	0.00	0.00	0.10	---	0.15	0.00	0.00	0.25	0.38	0.01	0.00
31	0.00	---	0.83	0.01	---	0.00	---	0.00	---	0.00	0.05	---
TOTAL	3.48	3.85	4.10	0.52	3.49	6.97	3.76	2.81	4.45	5.92	9.49	2.96

ALTAMAHA RIVER BASIN
2003 Water Year

02225250 LITTLE OHOOPEE RIVER AT US 80, NEAR SWAINSBORO, GA

LOCATION.—Lat 32°33'44", long 82°28'03" referenced to North American Datum (NAD) of 1927, Emanuel County, Hydrologic Unit 03070107, at US 80, 9.0 miles west of Swainsboro.

DRAINAGE AREA.—216 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1925, 1929, 1970, 1972, 1980 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 184.12 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest stage gage is a device that will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.--
STAGE: 13.40 feet, October 13, 1990
DISCHARGE: 15,800 cfs, October 13, 1990

MAXIMUM FOR CURRENT YEAR.--
STAGE: 9.09 feet, March 20
DISCHARGE: 5,130 cfs, March 20

ALTAMAHA RIVER BASIN
2003 Water Year

02225330 BEAVER CREEK NEAR COBBTOWN, GA

LOCATION.—Lat 32°16'52", long 81°11'27" referenced to North American Datum (NAD) of 1927, Tattnall County, Hydrologic Unit 03070107, at culvert on GA 152, 3.2 miles west of Cobbtown.

DRAINAGE AREA.—9.58 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1965 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 150.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest stage gage is a device that will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

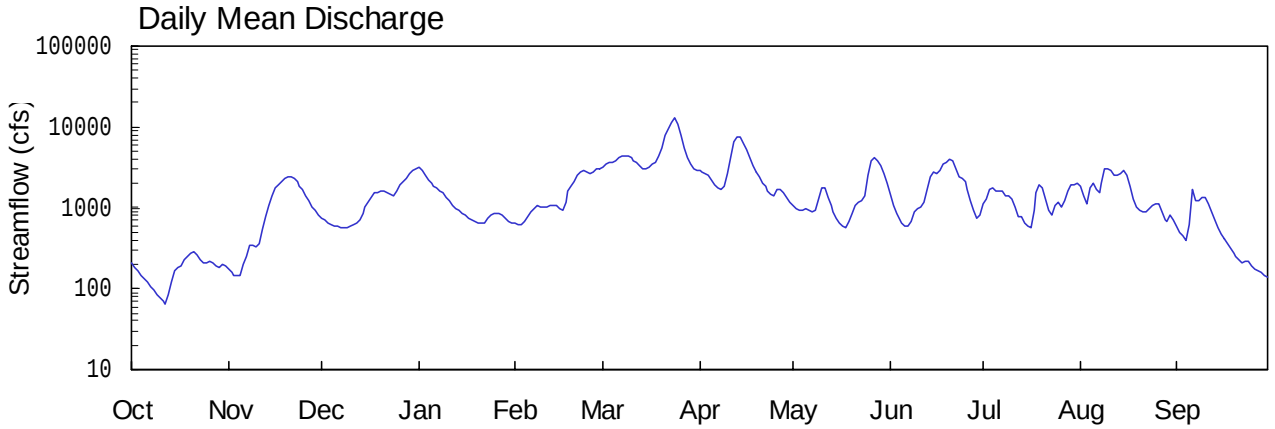
MAXIMUM FOR PERIOD OF RECORD.--
STAGE: 8.04 feet, August 24, 1991
DISCHARGE: 2,030 cfs, August 24, 1991

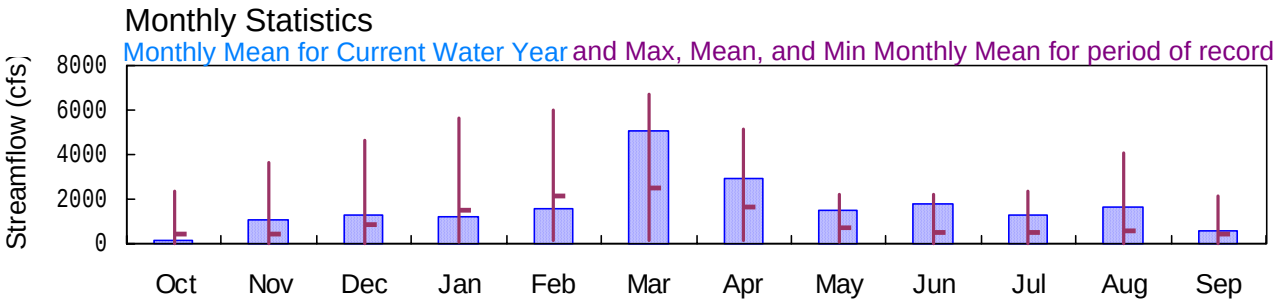
MAXIMUM FOR CURRENT YEAR.--
STAGE: 4.33 feet, March 20
DISCHARGE: 217 cfs, March 20

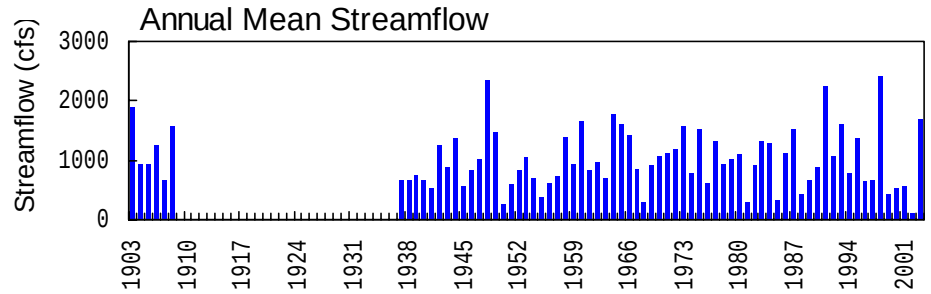
2003 Water Year

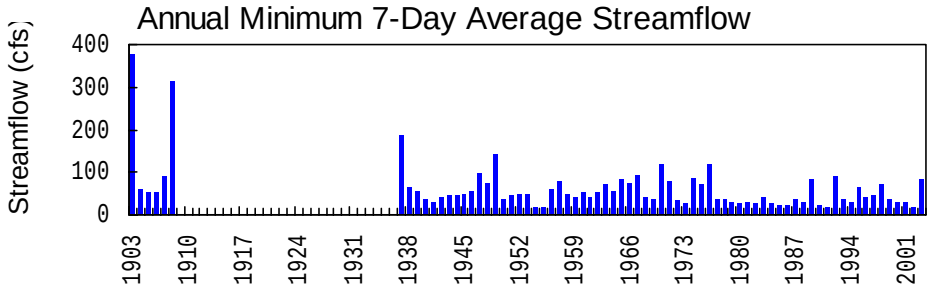
02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA

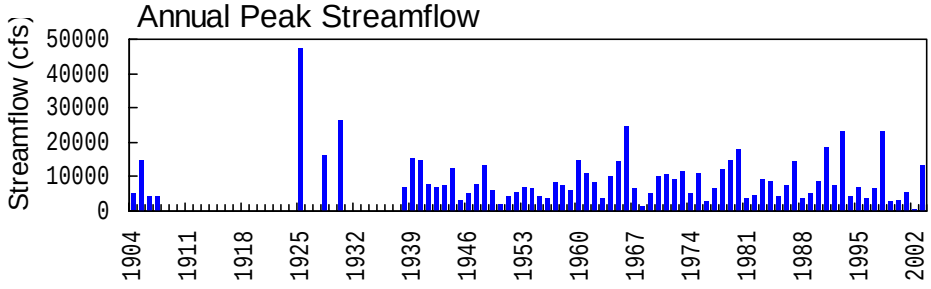
Latitude: 32°04'42" Longitude: 082°10'39" Hydrologic Unit Code: 03070107 Tattnall County
Drainage Area: 111 mi² Datum: 73.8 feet

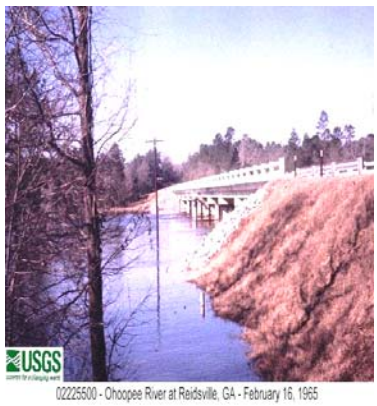












ALTAMAHA RIVER BASIN
2003 Water Year

02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA

LOCATION.—Lat 32°04'42", long 82°10'39" referenced to North American Datum (NAD) of 1927, Tattnall County, Hydrologic Unit 03070107, on downstream side of pier near center span of bridge on GA 56, 0.5 miles downstream from Brazells Creek, 1.5 miles downstream from Rocky Creek, 3.5 miles west of Reidsville, 6.0 miles downstream from Pendleton Creek, and 14.0 miles upstream from mouth.

DRAINAGE AREA.—1,110 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1903 to December 1907, April 1937 to current year. Monthly discharge only for April to June 1903, April to May 1937, published in WSP 1304.

REVISED RECORDS.—WSP 822: Drainage area. WSP 892: 1938(M). WSP 1504: 1905. WDR GA-84-1: 1983.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 73.8 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). Prior to February 15, 1941, a non-recording gage was located at same site, at different datum June 13, 1903, to December 31, 1907, and at same datum May 25, 1937, to February 15, 1941.

REMARKS.—Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known, 28.4 feet in January 1925, from information furnished by Georgia Department of Transportation; discharge, 47,000 cfs.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 3,800 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/08	2315	4,470	13.19
03/24	1145	13,400*	19.22*
04/13	1645	7,840	16.25
05/27	1345	4,240	12.92
06/20	1715	4,090	12.74

02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1903 to December 1907, April 1937 to current year. Monthly discharge only for April to June 1903, April to May 1937, published in WSP 1304.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 73.8 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). Prior to February 15, 1941, a non-recording gage was located at same site, at different datum June 13, 1903, to December 31, 1907, and at same datum May 25, 1937, to February 15, 1941.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 19.22 feet, March 24; minimum gage-height recorded, 1.37 feet, October 12, 13.

PRECIPITATION RECORDS

PERIOD OF RECORD.—September 5, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 267
LATITUDE 320442 LONGITUDE 0821039 NAD27 DRAINAGE AREA 1110 CONTRIBUTING DRAINAGE AREA 1110* DATUM 73.80 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	209	177	753	3120	635	3160	2850	1050	1440	1100	1870	581
2	185	159	699	2900	613	3470	2770	974	1080	1270	1440	494
3	164	145	656	2570	620	3580	2670	946	857	1660	1140	453
4	146	142	621	2240	676	3640	2490	953	725	1740	1770	401
5	132	144	602	2030	776	3850	2210	963	638	1580	2000	614
6	121	197	590	1880	883	4180	1960	923	589	1640	1690	1710
7	107	245	576	1770	999	4370	1760	884	580	1580	1510	1220
8	95	342	564	1650	1070	4430	1660	941	682	1430	2040	1220
9	84	343	567	1510	1030	4420	1870	1290	898	1390	3000	1340
10	75	336	581	1350	1010	4100	2650	1740	990	1290	3100	1330
11	70	352	612	1200	1040	3810	4260	1720	1050	1010	2970	1110
12	64	544	646	1080	1060	3610	6470	1370	1190	763	2560	891
13	83	791	712	995	1070	3370	7700	1070	1690	776	2530	708
14	119	1080	851	923	1060	3100	7400	881	2390	658	2630	571
15	166	1410	1020	864	984	2980	6420	750	2720	600	2850	478
16	186	1740	1170	809	920	3240	5260	661	2610	568	2530	411
17	192	1950	1350	758	1150	3510	4190	601	2850	915	1820	357
18	224	2090	1510	715	1590	3720	3370	557	3460	1560	1270	312
19	255	2340	1550	684	1880	4370	2790	675	3650	1970	1020	278
20	280	2410	1600	664	2110	5580	2370	839	4020	1800	913	249
21	283	2420	1610	652	2520	7870	2040	1070	3820	1310	875	225
22	262	2270	1560	657	2760	9540	1820	1180	3060	920	890	209
23	228	2070	1440	738	2860	11400	1640	1240	2480	819	986	223
24	211	1890	1400	818	2790	13100	1480	1430	2300	1070	1070	216
25	211	1670	1650	841	2690	11000	1420	2480	2090	1150	1130	192
26	220	1430	1890	859	2800	7880	1660	3730	1690	1030	1100	177
27	206	1210	2090	866	3060	5560	1720	4180	1250	1200	877	169
28	187	1040	2310	815	3090	4220	1510	3860	932	1630	700	159
29	186	914	2670	740	---	3470	1320	3260	743	1930	677	149
30	199	822	2910	684	---	3030	1170	2640	818	1960	828	138
31	195	---	3070	652	---	2860	---	2000	---	2030	723	---
TOTAL	5345	32673	39830	38034	43746	156420	88900	46858	53292	40349	50509	16585
MEAN	172	1089	1285	1227	1562	5046	2963	1512	1776	1302	1629	553
MAX	283	2420	3070	3120	3090	13100	7700	4180	4020	2030	3100	1710
MIN	64	142	564	652	613	2860	1170	557	580	568	677	138
CFSM	0.16	0.98	1.16	1.11	1.41	4.55	2.67	1.36	1.60	1.17	1.47	0.50
IN.	0.18	1.09	1.33	1.27	1.47	5.24	2.98	1.57	1.79	1.35	1.69	0.56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2003, BY WATER YEAR (WY)

MEAN	441	395	853	1485	2160	2492	1656	686	479	494	589	425
MAX	2325	3638	4674	5618	6017	6693	5120	2220	2215	2386	4069	2128
(WY)	1991	1948	1948	1987	1998	1966	1944	1964	1906	1941	1991	1949
MIN	20.8	24.5	29.8	65.0	154	176	166	36.7	27.2	27.1	30.5	23.0
(WY)	1955	2002	2002	2002	1950	1938	1968	2002	2002	1986	1954	1954

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1903 - 2003	
ANNUAL TOTAL	114155		612541			
ANNUAL MEAN	313		1678		998	
HIGHEST ANNUAL MEAN					2415	1998
LOWEST ANNUAL MEAN					106	2002
HIGHEST DAILY MEAN	3070	Dec 31	13100	Mar 24	23600	Mar 6 1966
LOWEST DAILY MEAN	16	Jun 17	64	Oct 12	16	Jun 17 2002
ANNUAL SEVEN-DAY MINIMUM	17	Jun 15	83	Oct 7	17	Jun 15 2002
MAXIMUM PEAK FLOW			13400	Mar 24	24400	Mar 6 1966
MAXIMUM PEAK STAGE			19.22	Mar 24	23.34	Mar 6 1966
INSTANTANEOUS LOW FLOW			63	Oct 12	19	Sep 12 1954
ANNUAL RUNOFF (CFSM)	0.28		1.51		0.90	
ANNUAL RUNOFF (INCHES)	3.83		20.53		12.21	
10 PERCENT EXCEEDS	768		3470		2710	
50 PERCENT EXCEEDS	118		1170		392	
90 PERCENT EXCEEDS	24		211		58	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 267
LATITUDE 320442 LONGITUDE 0821039 NAD27 DRAINAGE AREA 1110 CONTRIBUTING DRAINAGE AREA 1110* DATUM 73.80 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.68	2.51	5.96	11.50	5.39	11.55	11.11	7.18	8.41	7.36	9.41	5.11
2	2.48	2.36	5.71	11.18	5.28	11.96	10.99	6.90	7.28	7.92	8.40	4.64
3	2.30	2.24	5.49	10.69	5.31	12.11	10.85	6.78	6.41	8.96	7.53	4.40
4	2.13	2.22	5.32	10.15	5.59	12.18	10.56	6.81	5.83	9.14	9.19	4.09
5	2.02	2.23	5.22	9.75	6.07	12.44	10.09	6.85	5.41	8.76	9.70	5.00
6	1.91	2.67	5.16	9.45	6.53	12.85	9.62	6.69	5.15	8.91	9.02	9.05
7	1.80	3.05	5.08	9.20	6.99	13.07	9.19	6.53	5.11	8.77	8.60	7.80
8	1.68	3.72	5.02	8.92	7.25	13.15	8.96	6.76	5.62	8.39	9.72	7.80
9	1.58	3.72	5.04	8.58	7.13	13.13	9.41	7.97	6.59	8.28	11.32	8.17
10	1.50	3.68	5.11	8.17	7.03	12.75	10.80	9.12	6.96	8.00	11.47	8.13
11	1.44	3.78	5.27	7.73	7.16	12.40	12.91	9.10	7.17	7.02	11.28	7.41
12	1.39	4.90	5.45	7.31	7.23	12.14	15.13	8.22	7.69	6.00	10.68	6.56
13	1.61	6.13	5.77	6.98	7.26	11.83	16.15	7.26	9.01	6.07	10.63	5.75
14	1.99	7.28	6.39	6.69	7.21	11.47	15.91	6.52	10.40	5.51	10.78	5.05
15	2.43	8.33	7.09	6.45	6.94	11.30	15.10	5.95	10.92	5.21	11.11	4.54
16	2.59	9.14	7.61	6.21	6.68	11.66	14.02	5.52	10.75	5.04	10.63	4.16
17	2.64	9.60	8.18	5.99	7.54	12.01	12.86	5.22	11.10	6.63	9.30	3.83
18	2.89	9.88	8.60	5.79	8.78	12.28	11.83	4.98	11.94	8.69	7.94	3.54
19	3.12	10.31	8.69	5.64	9.43	13.07	11.02	5.59	12.20	9.64	7.08	3.32
20	3.30	10.43	8.80	5.53	9.91	14.33	10.37	6.34	12.66	9.27	6.65	3.13
21	3.32	10.44	8.84	5.48	10.60	16.25	9.78	7.26	12.41	8.02	6.49	2.96
22	3.17	10.20	8.71	5.50	10.97	17.37	9.32	7.65	11.40	6.67	6.56	2.84
23	2.92	9.84	8.43	5.89	11.12	18.31	8.89	7.85	10.54	6.26	6.94	2.94
24	2.79	9.46	8.32	6.25	11.02	19.08	8.51	8.38	10.25	7.24	7.27	2.90
25	2.79	8.98	8.92	6.35	10.88	18.12	8.37	10.49	9.87	7.55	7.47	2.72
26	2.86	8.40	9.47	6.43	11.04	16.26	8.96	12.30	9.02	7.10	7.37	2.61
27	2.75	7.76	9.89	6.46	11.41	14.30	9.08	12.85	7.87	7.72	6.50	2.55
28	2.60	7.17	10.27	6.24	11.46	12.89	8.60	12.46	6.72	8.87	5.71	2.47
29	2.60	6.66	10.84	5.91	---	11.97	8.11	11.68	5.92	9.55	5.60	2.38
30	2.70	6.27	11.20	5.63	---	11.37	7.62	10.79	6.24	9.62	6.29	2.29
31	2.66	---	11.42	5.48	---	11.13	---	9.69	---	9.77	5.82	---
MEAN	2.41	6.45	7.46	7.34	8.19	13.38	10.80	7.99	8.56	7.80	8.47	4.60
MAX	3.32	10.44	11.42	11.50	11.46	19.08	16.15	12.85	12.66	9.77	11.47	9.05
MIN	1.39	2.22	5.02	5.48	5.28	11.13	7.62	4.98	5.11	5.04	5.60	2.29

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 267
LATITUDE 320442 LONGITUDE 0821039 NAD27 DRAINAGE AREA 1110 CONTRIBUTING DRAINAGE AREA 1110* DATUM 73.80 NGVD29

APPROVED

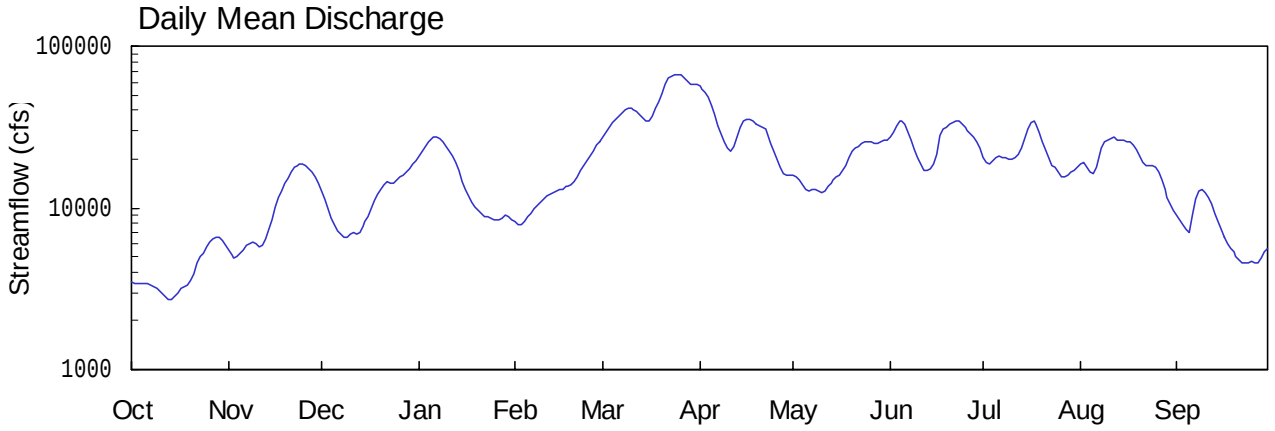
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

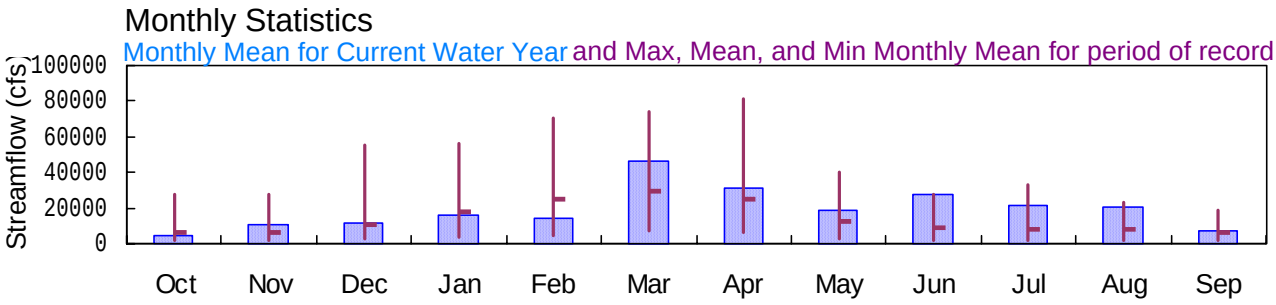
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.13	0.00	1.59	0.00	---	0.02	0.58	0.21	0.00
2	0.00	0.00	0.00	0.00	0.00	0.27	0.00	---	0.01	0.47	0.53	0.06
3	0.00	0.00	0.00	0.02	0.00	0.03	0.00	0.13	0.17	0.01	2.30	0.01
4	0.00	0.07	0.00	0.00	0.04	0.30	0.00	0.00	0.04	0.06	0.65	0.03
5	0.00	1.26	0.31	0.00	0.00	0.02	0.16	0.00	0.00	0.01	0.06	4.59
6	0.00	0.55	0.00	0.00	0.54	0.68	0.00	0.00	0.16	0.55	0.15	0.49
7	0.00	0.00	0.00	0.00	0.15	0.65	0.49	0.01	0.68	0.13	0.01	0.18
8	0.02	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.09	0.02	1.13	0.06
9	0.00	0.00	0.04	0.00	0.03	0.02	1.32	0.01	0.00	0.00	0.07	0.00
10	0.06	0.07	0.27	0.00	0.36	0.00	0.64	0.00	0.00	0.00	0.46	0.00
11	0.00	0.19	0.11	0.00	0.00	0.00	0.03	0.39	0.59	0.00	0.25	0.00
12	0.00	0.73	0.02	0.00	0.00	0.00	0.00	0.01	1.42	1.50	0.13	0.00
13	1.36	0.01	0.60	0.00	0.00	0.14	0.00	0.01	1.13	0.04	0.01	0.00
14	0.01	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.04	0.60	0.16	0.00
15	0.18	0.00	0.00	0.00	0.00	0.94	0.00	0.01	0.00	0.00	0.00	0.01
16	0.01	1.08	0.00	0.01	1.02	0.00	0.00	1.63	1.36	0.25	0.03	0.00
17	0.00	0.15	0.00	0.03	0.09	0.62	0.00	0.00	0.32	0.17	0.00	0.01
18	0.00	0.00	0.00	---	0.00	0.26	0.15	0.84	0.03	0.00	0.00	0.00
19	0.00	0.00	0.01	---	0.00	0.37	0.00	0.15	0.24	0.03	0.00	0.00
20	0.00	0.00	0.38	---	0.00	1.39	0.00	0.00	0.04	0.00	0.30	0.00
21	0.00	0.00	0.00	---	0.01	0.10	0.00	0.00	0.01	0.00	0.00	0.00
22	0.00	0.00	0.00	---	0.34	0.00	0.00	0.70	0.00	0.99	0.00	0.28
23	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.09	0.01	0.95	0.00	0.29
24	0.88	0.00	1.47	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.01	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.01	0.05	0.18	0.00
26	0.01	0.00	0.00	0.00	0.16	0.00	---	0.00	0.00	0.30	0.00	0.01
27	0.02	0.00	0.00	0.00	0.72	0.01	---	0.00	0.00	0.00	0.00	0.00
28	0.09	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00
29	0.02	0.00	0.00	0.00	---	0.00	---	0.00	0.07	0.00	0.98	0.00
30	0.40	0.00	0.00	0.01	---	0.11	---	0.00	0.20	0.24	0.00	0.00
31	0.00	---	1.06	0.02	---	0.00	---	0.01	---	0.01	0.05	---
TOTAL	3.06	4.11	4.27	---	3.47	7.66	---	---	6.64	7.94	7.67	6.02

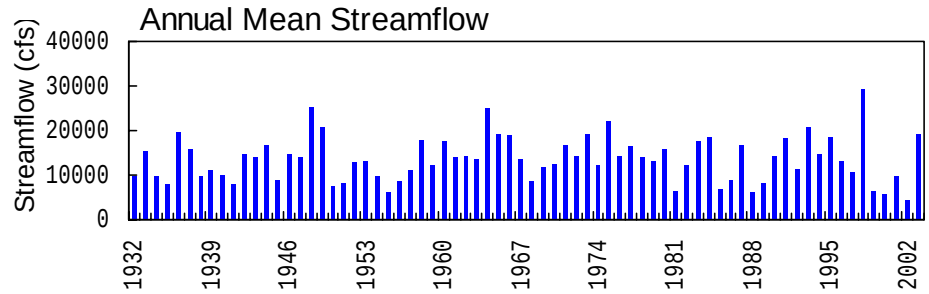
2003 Water Year

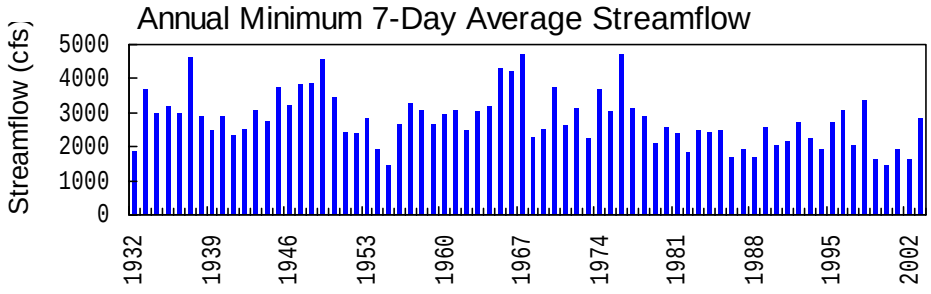
02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA

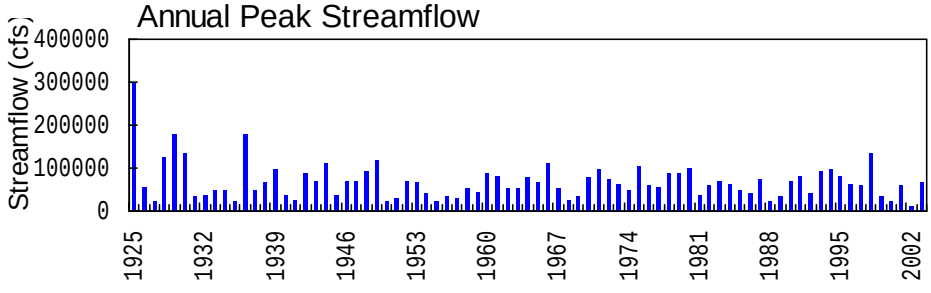
Latitude: 31°39'16" Longitude: 081°49'41" Hydrologic Unit Code: 03070106 Wayne County
Drainage Area: 13600 mi² Datum: 24.4 feet

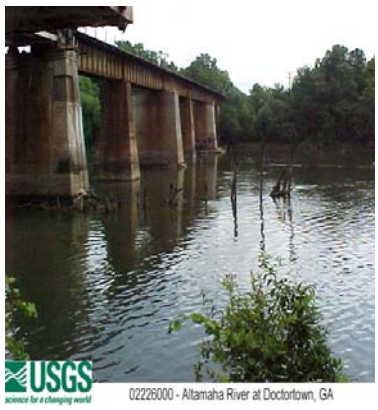












ALTAMAHA RIVER BASIN
2003 Water Year

02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA

LOCATION.—Lat 31°39'16", long 81°49'41" referenced to North American Datum (NAD) of 1927, Wayne-Long County line, Hydrologic Unit 03070106, on right bank 60.0 feet downstream from Seaboard Coast Line Railroad bridge at Doctortown, 4.5 miles northeast of Jesup, and at mile 64.5.

DRAINAGE AREA.—13,600 square miles, approximately.

COOPERATION.—USGS National Streamflow Information Program (NSIP).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1931 to current year. Gage-heights collected at same site since 1925 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 822: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 24.48 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to September 5, 1934, a non-recording gage was installed, and from September 5, 1934 to September 30, 1975, a water-stage recorder was located at same site at datum 4.0 feet higher.

REMARKS.—Records good, except for those periods of estimated discharge, which are fair.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1800, 18.6 feet, at present datum, on January 23, 1925, with a discharge of 300,000 cfs taken from a rating curve extended above 180,000 cfs.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 30,000 ft^3/s and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/25	1700	66,500*	13.17*
04/16	0815	35,500	11.42
06/05	0000	35,000	11.38
06/22	1545	34,300	11.33
07/16	2330	34.600	11.35

02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1931 to current year. Gage-heights collected at same site since 1925 are contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 24.48 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to September 5, 1934, a non-recording gage was installed, and from September 5, 1934 to September 30, 1975, a water-stage recorder was located at same site at datum 4.0 feet higher.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.17 feet, March 25, 26; minimum gage-height recorded, 2.42 feet, October 14.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 24, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 305
LATITUDE 313916 LONGITUDE 0814941 NAD27 DRAINAGE AREA 13600.00 CONTRIBUTING DRAINAGE AREA 13600* DATUM 24.48 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3450	5430	12800	21100	8170	27600	56300	15800	27300	20600	18800	9020
2	3410	5080	11300	22500	7960	29600	54300	15500	29400	19000	19000	8500
3	3420	4880	9790	24000	7840	31200	51600	15000	32100	18800	18000	7930
4	3430	5050	8630	25400	8220	33700	47900	14000	34100	19400	16500	7390
5	3430	5290	7860	26600	8840	35500	43000	13000	34800	20400	16100	7100
6	3420	5540	7200	27300	9300	36500	37700	12800	33200	20800	17900	8940
7	3350	5830	6850	27400	9790	38100	32500	12900	29600	20600	21500	11400
8	3260	6040	6570	26700	10300	40000	28600	12900	26100	20300	23600	12700
9	3190	6100	6520	25400	10800	41500	25400	12700	23000	20100	25800	13000
10	3020	6020	6880	23900	11400	41700	23500	12500	20600	20000	26400	12500
11	2920	5720	7000	22500	11800	40700	22500	12800	18600	20200	26900	11600
12	2830	5820	6880	21000	12100	39100	23700	13600	17100	21400	27600	10500
13	2740	6460	7100	19100	12400	37300	27200	14400	17000	23600	26500	9150
14	2690	7310	7670	16900	12700	35700	31400	15000	17400	27000	26000	8160
15	2810	8510	8260	14700	12900	34400	34400	15500	18500	31000	26000	7300
16	2990	10100	8900	12900	13100	34600	35400	16000	21200	33800	25900	6590
17	3150	11600	9930	11800	13400	36700	34900	16900	27900	34400	25700	6020
18	3230	12800	11100	10900	13600	41200	34100	18400	30700	32700	24600	5610
19	3330	14100	12100	10200	13900	45500	33200	20500	31800	29200	23000	5310
20	3540	15400	13100	9640	14600	51100	32400	22300	32900	25900	20800	5050
21	3920	16600	14000	9150	15600	58600	31600	23500	33800	22900	19100	4810
22	4560	17600	14500	8920	17000	62900	30500	24100	34200	20400	18300	4600
23	5000	18300	14300	8750	18400	65300	28400	24900	34000	18200	18200	4540
24	5250	18700	14300	8570	19700	65900	25300	25400	33100	17700	18300	4620
25	5760	18800	14800	8520	21100	66000	22300	25700	31700	16800	18000	4680
26	6180	18400	15400	8420	22500	65900	19800	25500	30300	15600	16700	4590
27	6390	17400	16100	8400	24400	63800	17700	25100	28900	15600	14800	4520
28	6530	16500	16800	8680	25800	60600	16400	25200	27400	16000	12900	4920
29	6510	15600	17600	8950	---	58600	15900	25800	25600	16500	11700	5360
30	6340	14300	18500	8850	---	58200	15800	26100	23200	17100	10600	5610
31	5870	---	19600	8450	---	57600	---	26300	---	17900	9730	---
TOTAL	125920	325280	352340	495600	387620	1435100	933700	580100	825500	673900	624930	222020
MEAN	4062	10840	11370	15990	13840	46290	31120	18710	27520	21740	20160	7401
MAX	6530	18800	19600	27400	25800	66000	56300	26300	34800	34400	27600	13000
MIN	2690	4880	6520	8400	7840	27600	15800	12500	17000	15600	9730	4520
CFSM	0.30	0.80	0.84	1.18	1.02	3.40	2.29	1.38	2.02	1.60	1.48	0.54
IN.	0.34	0.89	0.96	1.36	1.06	3.93	2.55	1.59	2.26	1.84	1.71	0.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2003, BY WATER YEAR (WY)

MEAN	6149	6193	11010	18260	24590	29480	25050	12750	8783	7764	7633	5993
MAX	27680	27850	55570	56050	70970	74520	80960	39850	27520	33290	23090	18630
(WY)	1995	1948	1949	1998	1998	1998	1936	1964	2003	1994	1964	1949
MIN	1748	1789	2514	3469	4512	6795	6191	2991	1940	1736	1773	1874
(WY)	1955	1955	2002	2002	1989	1938	1985	1986	2000	2000	2000	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1932 - 2003	
ANNUAL TOTAL	2102250		6982010			
ANNUAL MEAN	5760		19130		13580	
HIGHEST ANNUAL MEAN					29390	1998
LOWEST ANNUAL MEAN					4134	2002
HIGHEST DAILY MEAN	19600	Dec 31	66000	Mar 25	178000	Apr 18 1936
LOWEST DAILY MEAN	1600	Aug 17	2690	Oct 14	1410	Aug 30 2000
ANNUAL SEVEN-DAY MINIMUM	1620	Aug 17	2860	Oct 10	1440	Aug 26 2000
MAXIMUM PEAK FLOW			66500	Mar 25	178000	Apr 18 1936
MAXIMUM PEAK STAGE			13.17	Mar 25	16.03	Apr 18 1936
INSTANTANEOUS LOW FLOW			2680	Oct 14	1400	Aug 30 2000
ANNUAL RUNOFF (CFSM)	0.42		1.41		1.00	
ANNUAL RUNOFF (INCHES)	5.75		19.10		13.57	
10 PERCENT EXCEEDS	11300		34400		31400	
50 PERCENT EXCEEDS	4210		16800		8100	
90 PERCENT EXCEEDS	1930		5270		3150	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 305
LATITUDE 313916 LONGITUDE 0814941 NAD27 DRAINAGE AREA 13600.00 CONTRIBUTING DRAINAGE AREA 13600* DATUM 24.48 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.47	5.29	8.91	10.07	7.37	10.76	12.68	9.41	10.73	10.01	9.80	7.92
2	3.41	4.93	8.53	10.23	7.25	10.94	12.58	9.37	10.93	9.83	9.83	7.68
3	3.41	4.75	8.07	10.40	7.19	11.09	12.44	9.30	11.15	9.80	9.70	7.41
4	3.42	4.91	7.60	10.55	7.39	11.28	12.23	9.14	11.32	9.87	9.51	7.15
5	3.41	5.15	7.20	10.66	7.71	11.42	11.93	8.97	11.37	9.99	9.46	7.00
6	3.39	5.40	6.83	10.73	7.92	11.49	11.58	8.93	11.25	10.04	9.69	7.84
7	3.29	5.69	6.57	10.74	8.08	11.61	11.19	8.95	10.95	10.01	10.12	8.59
8	3.18	5.88	6.34	10.68	8.23	11.74	10.85	8.96	10.62	9.98	10.36	8.91
9	3.09	5.93	6.29	10.54	8.39	11.84	10.55	8.91	10.29	9.96	10.58	8.98
10	2.87	5.86	6.60	10.39	8.54	11.86	10.34	8.87	10.01	9.94	10.65	8.86
11	2.75	5.58	6.70	10.23	8.66	11.79	10.24	8.94	9.78	9.97	10.69	8.65
12	2.63	5.68	6.59	10.06	8.75	11.68	10.36	9.08	9.60	10.10	10.76	8.36
13	2.51	6.24	6.77	9.84	8.83	11.55	10.72	9.20	9.58	10.36	10.65	7.96
14	2.43	6.88	7.10	9.56	8.89	11.43	11.10	9.29	9.63	10.70	10.60	7.52
15	2.57	7.54	7.41	9.25	8.94	11.34	11.34	9.37	9.77	11.06	10.60	7.09
16	2.78	8.17	7.74	8.94	9.00	11.35	11.41	9.45	10.08	11.29	10.60	6.62
17	2.95	8.62	8.12	8.65	9.06	11.51	11.38	9.56	10.79	11.34	10.57	6.17
18	3.05	8.93	8.46	8.40	9.08	11.82	11.31	9.75	11.04	11.21	10.46	5.83
19	3.15	9.16	8.75	8.20	9.13	12.09	11.24	10.00	11.13	10.91	10.28	5.55
20	3.38	9.35	8.99	8.03	9.24	12.41	11.18	10.22	11.22	10.59	10.03	5.30
21	3.79	9.52	9.15	7.86	9.39	12.79	11.12	10.34	11.29	10.28	9.84	5.08
22	4.44	9.66	9.22	7.75	9.58	13.00	11.03	10.41	11.32	9.98	9.75	4.87
23	4.86	9.75	9.19	7.67	9.75	13.11	10.84	10.50	11.31	9.73	9.73	4.81
24	5.10	9.79	9.19	7.58	9.91	13.14	10.54	10.55	11.23	9.67	9.74	4.89
25	5.61	9.81	9.27	7.55	10.07	13.15	10.21	10.58	11.13	9.55	9.70	4.95
26	6.00	9.75	9.36	7.50	10.23	13.14	9.92	10.55	11.01	9.39	9.54	4.86
27	6.18	9.64	9.45	7.49	10.44	13.04	9.67	10.52	10.88	9.38	9.27	4.79
28	6.30	9.52	9.55	7.63	10.59	12.89	9.50	10.53	10.74	9.44	8.96	5.18
29	6.29	9.38	9.66	7.76	---	12.79	9.43	10.58	10.56	9.51	8.66	5.60
30	6.13	9.19	9.77	7.72	---	12.77	9.42	10.62	10.31	9.60	8.40	5.83
31	5.72	---	9.89	7.51	---	12.74	---	10.64	---	9.70	8.15	---
MEAN	3.92	7.53	8.17	9.04	8.84	12.05	10.94	9.73	10.70	10.10	9.89	6.67
MAX	6.30	9.81	9.89	10.74	10.59	13.15	12.68	10.64	11.37	11.34	10.76	8.98
MIN	2.43	4.75	6.29	7.49	7.19	10.76	9.42	8.87	9.58	9.38	8.15	4.79

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 305
LATITUDE 313916 LONGITUDE 0814941 NAD27 DRAINAGE AREA 13600.00 CONTRIBUTING DRAINAGE AREA 13600* DATUM 24.48 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	---	---	---	---	0.00	0.00	0.00	0.05	0.02	---
2	0.00	0.00	---	---	---	---	0.00	0.00	0.00	0.44	0.01	---
3	0.00	0.00	---	---	---	---	0.00	0.00	0.43	0.02	0.00	---
4	0.00	0.00	---	---	---	---	0.00	0.00	---	0.11	0.04	---
5	0.00	0.07	---	---	---	---	0.33	0.00	---	0.07	0.00	---
6	0.12	0.80	---	---	---	---	0.00	0.00	---	0.00	0.11	---
7	0.00	0.00	---	---	---	---	0.40	0.00	0.65	0.00	0.06	---
8	---	0.00	---	---	---	---	0.11	0.00	0.13	0.00	0.04	---
9	---	0.00	---	---	---	---	0.01	0.00	0.00	0.00	0.00	---
10	---	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
11	---	0.15	---	---	---	---	0.00	0.28	0.52	0.00	0.18	---
12	0.00	---	---	---	---	---	0.00	0.00	0.29	0.00	0.46	---
13	0.00	---	---	---	---	---	0.00	0.00	2.05	0.00	0.00	---
14	---	---	---	---	---	---	0.00	0.00	0.43	0.04	0.00	---
15	---	---	---	---	---	---	0.00	0.42	0.00	0.00	0.00	---
16	---	---	---	---	---	---	0.00	0.00	0.01	0.00	0.03	---
17	---	---	---	---	---	---	0.00	0.00	0.63	0.00	0.38	---
18	---	---	---	---	---	---	0.00	0.68	0.02	0.00	0.00	---
19	0.00	---	---	---	---	---	0.00	0.05	0.00	0.00	0.00	---
20	0.00	---	---	---	---	---	0.00	0.00	0.07	0.00	---	---
21	0.06	---	---	---	---	---	0.00	0.00	0.00	0.07	---	---
22	0.00	---	---	---	---	---	0.00	1.08	0.00	0.15	---	---
23	---	---	---	---	---	---	0.00	0.00	0.00	0.23	---	---
24	---	---	---	---	---	---	0.00	0.00	0.00	0.14	---	---
25	---	---	---	---	---	---	0.37	0.00	0.00	0.09	---	---
26	---	---	---	---	---	---	0.00	0.26	0.00	0.01	---	---
27	---	---	---	---	---	---	0.00	0.00	0.00	0.89	---	---
28	---	---	---	---	---	0.00	0.00	0.00	0.02	0.31	---	---
29	0.09	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---	---
30	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---	---
31	0.00	---	---	---	---	0.00	---	0.00	---	0.01	---	---
TOTAL	---	---	---	---	---	---	1.22	2.77	---	2.63	---	---

BRUNSWICK RIVER BASIN
2003 Water Year

02226178 EAST RIVER AT MAYORS POINT TERMINAL, AT BRUNSWICK, GA

LOCATION.—Lat 31°08'38", long 81°29'49" referenced to North American Datum (NAD) of 1927, Glynn County, Hydrologic Unit 03070203, at Georgia Ports Authority's Mayors Point Terminal Dock, 1.2 miles upstream of the Brunswick River, and 0.4 miles southwest of the Brunswick Post Office.

DRAINAGE AREA.—Undetermined.

COOPERATION.—Georgia Department of Natural Resources (DNR), Coastal Resources Division.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1988 to current year.

GAGE.—Water-stage recorder. Datum of gage is National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.–-Maximum gage-height recorded, 7.37 feet, February 7, 1993; minimum gage-height recorded, –8.29 feet, March 13,1993.

EXTREMES FOR CURRENT YEAR.–-Maximum gage-height recorded, 6.32 feet, April 17; minimum gage-height recorded, –6.11 feet, November 6.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226178 EAST RIVER AT MAYORS PT TERMINAL, AT BRUNSWICK, GA SOURCE AGENCY USGS STATE 13 COUNTY 127
LATITUDE 310838 LONGITUDE 0812949 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 0.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	4.55	-1.79	1.54	4.61	-3.44	1.20	3.74	-5.41	-0.17	4.92	-5.07	0.14
2	4.53	-2.35	1.31	4.91	-3.45	1.25	4.61	-4.75	0.35	4.49	-5.16	-0.07
3	4.84	-3.16	1.13	5.20	-4.01	1.03	4.74	-4.98	0.33	3.88	-5.26	-0.55
4	5.19	-3.88	1.09	5.32	-4.47	0.83	5.99	-4.40	1.16	4.29	-5.12	-0.09
5	5.21	-4.37	0.92	5.67	-4.49	0.99	5.47	-4.18	0.77	4.35	-3.88	0.29
6	5.38	-4.76	0.81	4.47	-6.11	-0.41	4.87	-4.06	0.45	3.85	-4.41	-0.28
7	5.45	-4.53	1.03	4.84	-4.55	0.29	4.55	-3.73	0.39	3.39	-3.75	-0.10
8	5.59	-4.31	1.11	4.79	-3.36	0.71	4.05	-3.56	0.20	2.54	-4.23	-0.93
9	5.68	-3.44	1.31	4.57	-2.86	0.75	4.20	-2.61	0.73	2.37	-3.50	-0.82
10	5.64	-2.61	1.57	3.89	-2.72	0.47	4.66	-1.35	1.62	2.17	-3.37	-0.68
11	4.84	-2.57	1.22	3.40	-2.82	0.10	3.85	-2.53	0.64	2.49	-2.47	-0.05
12	4.74	-2.03	1.20	3.06	-2.79	0.06	2.91	-2.53	0.21	2.83	-2.12	0.34
13	4.48	-1.92	1.21	3.68	-2.50	0.24	3.51	-3.37	0.52	3.37	-3.06	0.29
14	5.14	-1.39	2.05	3.59	-2.28	0.98	2.64	-3.97	-0.72	3.26	-3.45	0.12
15	5.54	-0.61	2.75	4.00	-2.38	1.24	3.05	-3.54	-0.08	3.24	-3.61	0.05
16	4.66	-1.93	1.82	4.21	-2.78	1.02	3.36	-3.85	-0.08	3.88	-3.69	0.31
17	4.30	-2.29	1.42	3.93	-4.07	-0.04	3.85	-3.91	0.34	3.25	-4.38	-0.55
18	4.51	-2.48	1.47	3.32	-4.67	-0.04	4.43	-3.24	0.94	4.21	-4.27	0.08
19	4.47	-2.25	1.39	3.93	-3.78	0.48	4.50	-3.13	0.71	3.46	-5.45	-0.78
20	4.26	-2.73	1.03	4.56	-3.40	0.86	3.97	-4.71	-0.36	3.11	-5.53	-1.14
21	4.22	-3.02	0.91	4.67	-3.01	0.87	3.54	-4.77	-0.58	3.33	-5.74	-1.08
22	4.27	-3.21	0.93	3.98	-3.63	0.08	3.52	-4.84	-0.73	4.03	-5.10	-0.16
23	4.58	-2.51	1.23	3.65	-3.82	-0.04	3.58	-4.73	-0.46	4.05	-4.19	-0.26
24	4.62	-2.05	1.45	3.51	-3.62	-0.13	4.39	-3.71	0.22	3.46	-4.16	-0.35
25	4.61	-1.87	1.29	3.57	-3.10	0.00	3.63	-4.47	-1.05	3.28	-3.98	-0.40
26	4.15	-2.03	0.97	3.69	-3.05	0.06	3.76	-3.97	-0.43	3.59	-3.95	-0.27
27	3.89	-1.91	0.78	3.36	-3.25	-0.14	3.72	-3.71	0.01	3.17	-4.15	-0.28
28	4.00	-1.81	0.84	3.86	-3.17	0.34	3.48	-4.07	-0.07	4.02	-4.38	0.11
29	3.95	-2.19	0.59	3.82	-3.84	0.28	3.62	-4.67	-0.22	4.01	-4.41	-0.02
30	4.08	-2.85	0.66	2.96	-5.57	-0.73	4.34	-4.46	0.28	4.17	-4.65	0.02
31	4.42	-2.81	1.13	---	---	---	4.73	-4.46	0.46	4.39	-4.68	0.15
MONTH	5.68	-4.76	1.23	5.67	-6.11	0.42	5.99	-5.41	0.17	4.92	-5.74	-0.22

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226178 EAST RIVER AT MAYORS PT TERMINAL, AT BRUNSWICK, GA SOURCE AGENCY USGS STATE 13 COUNTY 127
LATITUDE 310838 LONGITUDE 0812949 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 0.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.10	-4.56	-0.13	4.51	-3.71	0.82	3.75	-4.11	0.07	4.56	-3.06	0.86
2	3.92	-4.69	-0.22	4.61	-4.02	0.54	3.41	-4.97	-0.61	4.43	-3.06	0.78
3	3.79	-4.89	-0.32	4.28	-4.14	0.50	3.40	-4.71	-0.71	4.33	-3.91	0.49
4	3.35	-4.86	-0.63	4.45	-3.55	0.80	3.72	-4.29	-0.34	4.78	-2.86	0.88
5	3.01	-4.47	-0.56	3.84	-4.01	0.37	3.51	-3.65	-0.10	4.47	-2.04	1.24
6	3.19	-3.29	0.03	3.50	-4.33	-0.22	4.07	-3.08	0.27	4.28	-2.54	0.53
7	3.20	-3.60	-0.29	3.70	-3.38	0.36	4.07	-2.48	0.61	3.70	-2.58	0.20
8	2.23	-3.48	-0.54	3.64	-2.54	0.59	3.71	-2.18	0.81	3.46	-2.75	-0.02
9	2.51	-2.62	-0.15	3.63	-2.23	0.55	4.11	-1.35	1.22	3.38	-3.11	-0.09
10	2.89	-2.83	-0.37	3.56	-1.81	0.66	4.25	-2.56	0.61	3.38	-3.39	-0.09
11	2.77	-2.65	-0.10	3.53	-1.79	0.70	3.81	-2.47	0.67	3.37	-4.05	-0.09
12	2.65	-3.48	-0.41	3.44	-2.05	0.38	4.16	-2.63	1.06	3.70	-4.74	-0.11
13	2.81	-4.05	-0.51	3.38	-2.46	0.40	4.40	-3.57	0.94	4.57	-4.62	0.27
14	3.06	-4.27	-0.32	3.73	-2.72	0.89	4.75	-4.04	0.97	5.27	-4.83	0.57
15	3.69	-4.65	-0.23	4.91	-2.93	1.38	5.29	-4.67	0.91	5.57	-4.86	0.59
16	4.40	-5.18	0.20	4.86	-3.43	1.04	5.93	-4.68	1.01	5.53	-5.19	0.33
17	4.94	-4.56	0.42	5.42	-4.03	1.12	6.32	-4.56	1.15	5.65	-4.83	0.47
18	4.36	-5.08	-0.03	5.51	-4.36	1.07	6.15	-4.21	1.16	5.58	-3.97	0.86
19	4.58	-4.91	0.13	5.76	-4.12	1.24	5.87	-3.98	1.11	5.74	-3.62	1.15
20	4.56	-4.40	0.25	5.17	-4.23	0.94	5.54	-3.11	1.18	5.74	-2.69	1.35
21	4.56	-3.80	0.60	5.16	-4.57	0.49	5.55	-2.96	1.15	5.10	-2.86	0.81
22	4.71	-3.67	0.50	5.09	-4.04	0.41	5.18	-3.02	0.80	4.25	-2.93	0.57
23	3.64	-5.08	-0.97	4.74	-3.53	0.45	4.29	-2.13	1.22	3.34	-3.25	0.32
24	3.49	-3.69	-0.33	4.49	-3.11	0.62	4.39	-2.32	1.08	3.65	-2.89	0.74
25	3.51	-3.65	-0.13	4.33	-2.64	0.73	4.19	-2.57	0.95	3.80	-2.75	0.81
26	3.84	-2.69	0.71	4.05	-2.91	0.59	4.14	-3.40	0.70	3.85	-3.19	0.48
27	4.75	-3.25	0.93	4.15	-2.60	1.12	4.23	-2.89	1.04	3.81	-3.22	0.42
28	4.23	-3.43	0.62	4.65	-2.84	1.37	4.59	-2.70	1.34	4.22	-3.05	0.72
29	---	---	---	4.36	-3.11	0.89	4.48	-3.10	1.01	3.93	-3.30	0.38
30	---	---	---	3.94	-4.27	0.25	4.54	-3.32	0.80	4.33	-3.57	0.38
31	---	---	---	3.98	-4.15	0.20	---	---	---	3.51	-3.83	-0.02
MONTH	4.94	-5.18	-0.07	5.76	-4.57	0.69	6.32	-4.97	0.74	5.74	-5.19	0.51

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226178 EAST RIVER AT MAYORS PT TERMINAL, AT BRUNSWICK, GA SOURCE AGENCY USGS STATE 13 COUNTY 127
LATITUDE 310838 LONGITUDE 0812949 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 0.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	4.17	-4.38	-0.13	4.50	-3.49	0.31	4.03	-4.54	-0.26	4.37	-4.11	0.25
2	4.47	-3.34	0.38	3.71	-4.24	-0.19	3.89	-4.32	-0.01	4.18	-3.78	0.16
3	4.31	-3.06	0.42	3.64	-4.24	-0.46	3.84	-4.24	0.00	4.06	-3.64	0.11
4	3.58	-3.55	0.07	3.68	-4.29	-0.44	3.58	-4.25	-0.30	4.09	-3.53	0.16
5	3.63	-3.63	-0.20	3.70	-3.97	-0.17	3.59	-4.51	-0.35	4.49	-3.68	0.47
6	3.68	-3.18	0.19	3.48	-3.86	-0.17	3.94	-4.62	-0.41	5.09	-2.73	1.42
7	4.05	-3.53	0.18	3.47	-4.13	-0.24	4.07	-4.43	-0.24	5.03	-2.81	1.46
8	3.61	-3.70	-0.16	3.68	-4.67	-0.28	4.42	-4.44	0.08	5.18	-3.18	1.34
9	3.78	-4.54	0.01	4.26	-4.63	-0.05	4.33	-4.62	-0.03	5.25	-2.99	1.42
10	4.47	-4.23	0.40	4.56	-4.86	0.00	4.27	-5.04	-0.29	5.17	-3.01	1.42
11	4.96	-4.55	0.54	4.79	-5.35	-0.14	4.30	-5.06	-0.23	5.23	-2.41	1.70
12	5.08	-4.97	0.38	4.65	-5.41	-0.26	4.33	-4.71	-0.10	4.93	-2.38	1.64
13	5.10	-5.23	0.16	4.76	-5.03	-0.08	4.31	-4.47	0.08	4.47	-2.60	1.15
14	5.27	-5.03	0.20	4.63	-4.90	-0.02	3.98	-3.98	0.32	4.25	-2.95	0.91
15	5.13	-4.93	0.08	4.63	-4.65	0.05	3.71	-4.06	0.19	4.02	-2.57	0.91
16	4.91	-4.77	0.08	4.11	-4.21	0.01	3.58	-3.75	0.18	4.12	-2.08	1.23
17	4.78	-4.20	0.33	3.69	-4.34	-0.18	3.29	-3.53	-0.11	4.44	-0.52	1.81
18	4.70	-3.74	0.48	3.58	-4.11	-0.18	3.03	-3.51	-0.29	4.13	-1.23	1.38
19	4.41	-3.80	0.11	3.30	-3.90	-0.33	3.43	-2.93	-0.01	3.34	-2.06	0.42
20	3.69	-3.75	-0.15	3.29	-3.74	-0.18	3.37	-2.55	0.30	3.75	-2.12	0.65
21	3.87	-3.29	0.59	3.34	-3.16	-0.05	3.40	-2.42	0.32	4.30	-1.87	1.17
22	3.84	-2.43	0.88	2.78	-3.81	-0.53	3.42	-2.76	0.22	4.51	-2.46	1.38
23	3.84	-2.64	0.77	2.34	-4.07	-0.84	3.24	-2.99	0.07	4.58	-2.99	1.04
24	3.81	-2.79	0.60	2.78	-3.80	-0.66	3.66	-3.35	0.05	5.47	-2.78	1.63
25	3.90	-3.24	0.47	3.33	-3.26	-0.14	4.41	-3.22	0.62	5.68	-3.19	1.62
26	4.06	-3.03	0.45	3.66	-3.61	-0.06	4.70	-3.75	0.53	5.69	-3.49	1.59
27	4.16	-3.29	0.38	3.85	-3.91	0.02	4.74	-4.20	0.38	5.56	-3.27	1.59
28	4.30	-3.23	0.39	3.91	-4.23	-0.21	4.60	-4.67	0.12	5.47	-3.60	1.20
29	4.03	-3.59	0.07	4.06	-4.26	-0.32	4.58	-4.48	0.26	5.57	-3.49	1.38
30	4.28	-3.60	0.23	4.04	-4.75	-0.46	4.43	-4.39	0.37	5.60	-2.57	1.55
31	---	---	---	4.16	-4.69	-0.36	4.31	-4.44	0.30	---	---	---
MONTH	5.27	-5.23	0.27	4.79	-5.41	-0.21	4.74	-5.06	0.06	5.69	-4.11	1.14
YEAR	6.32	-6.11	0.39									

022261792 SOUTH BRUNSWICK RIVER AT COLONELS ISLAND, NEAR BRUNSWICK, GA

LOCATION.—Lat 31°07'55", long 81°32'13" referenced to North American Datum (NAD) of 1927, Glynn County, Hydrologic Unit 3070203, at Georgia Ports Authority's Colonels Island Terminal Dock, approximately 1.0 mile upstream from the confluence of South Brunswick and Turtle Rivers, and 2.9 miles west-southwest of Brunswick post office.

DRAINAGE AREA.—Undetermined.

COOPERATION.—Georgia Department of Natural Resources (DNR), Coastal Resources Division.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1988 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 0.00 feet referenced to National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage-height, 7.41 feet, February 7, 1993; minimum gage-height, -7.21 feet, April 7, 1989.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 6.60 feet, April 17; minimum gage-height, -6.22 feet, November 6.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022261792 S BRUNSWICK RIVER,COLONELS ISLAND, NR BRUNSWICK,GA SOURCE AGENCY USGS STATE 13 COUNTY 127
LATITUDE 310755 LONGITUDE 0813213 NAD27 DATUM 0.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	4.73	-1.84	1.68	4.78	-3.51	1.33	3.91	-5.54	-0.08	5.07	-5.04	0.25
2	4.72	-2.41	1.45	5.07	-3.51	1.38	4.72	-4.78	0.46	4.65	-5.21	0.03
3	5.02	-3.17	1.27	5.31	-4.11	1.14	4.89	-5.04	0.42	3.99	-5.35	-0.47
4	5.35	-3.91	1.22	5.43	-4.56	0.94	6.13	-4.46	1.26	4.42	-5.11	-0.01
5	5.38	-4.43	1.03	5.80	-4.57	1.10	5.59	-4.24	0.88	4.50	-3.94	0.40
6	5.51	-4.86	0.92	4.54	-6.22	-0.32	5.01	-4.08	0.55	3.98	-4.46	-0.17
7	5.60	-4.63	1.14	4.98	-4.61	0.37	4.85	-3.78	0.50	3.56	-3.78	0.00
8	5.74	-4.40	1.23	4.94	-3.43	0.82	4.21	-3.59	0.29	2.75	-4.25	-0.83
9	5.83	-3.51	1.43	4.72	-2.87	0.88	4.31	-2.62	0.84	2.49	-3.52	-0.73
10	5.77	-2.67	1.71	4.04	-2.78	0.59	4.80	-1.38	1.73	2.32	-3.31	-0.60
11	4.98	-2.61	1.35	3.55	-2.79	0.20	3.99	-2.49	0.75	2.66	-2.39	0.04
12	4.92	-2.03	1.33	3.18	-2.77	0.15	3.06	-2.52	0.29	2.93	-2.11	0.44
13	4.65	-1.90	1.33	3.75	-2.44	0.33	3.65	-3.34	0.63	3.54	-3.03	0.40
14	5.31	-1.38	2.16	3.71	-2.30	1.09	2.77	-3.99	-0.66	3.39	-3.42	0.23
15	5.71	-0.68	2.87	4.16	-2.41	1.35	3.21	-3.56	0.00	3.39	-3.50	0.16
16	4.79	-2.02	1.94	4.36	-2.67	1.13	3.50	-3.81	0.01	4.04	-3.71	0.42
17	4.46	-2.24	1.53	4.07	-4.06	0.06	4.02	-3.92	0.44	3.39	-4.32	-0.47
18	4.67	-2.54	1.58	3.47	-4.67	0.05	4.61	-3.26	1.05	4.34	-4.31	0.18
19	4.64	-2.31	1.50	4.10	-3.79	0.58	4.67	-3.12	0.83	3.63	-5.49	-0.69
20	4.42	-2.75	1.13	4.73	-3.43	0.95	4.11	-4.79	-0.26	3.27	-5.57	-1.07
21	4.37	-3.04	1.00	4.81	-3.06	0.98	3.70	-4.73	-0.49	3.48	-5.76	-1.01
22	4.39	-3.25	1.02	4.11	-3.66	0.17	3.67	-4.82	-0.65	4.14	-5.10	-0.07
23	4.71	-2.56	1.34	3.82	-3.85	0.05	3.74	-4.75	-0.37	4.20	-4.24	-0.14
24	4.79	-2.12	1.55	3.68	-3.66	-0.03	4.56	-3.75	0.32	3.63	-4.20	-0.24
25	4.75	-1.93	1.40	3.73	-3.10	0.09	3.72	-4.46	-0.95	3.44	-4.01	-0.28
26	4.34	-2.06	1.08	3.84	-3.11	0.17	3.88	-3.92	-0.33	3.74	-4.02	-0.16
27	4.05	-1.91	0.88	3.53	-3.21	-0.05	3.89	-3.69	0.13	3.31	-4.22	-0.18
28	4.13	-1.79	0.94	3.99	-3.18	0.44	3.63	-4.09	0.04	4.16	-4.39	0.24
29	4.08	-2.21	0.69	3.98	-3.87	0.40	3.78	-4.67	-0.10	4.17	-4.36	0.10
30	4.22	-2.88	0.75	3.12	-5.55	-0.62	4.50	-4.44	0.41	4.31	-4.67	0.13
31	4.58	-2.82	1.24	---	---	---	4.88	-4.51	0.59	4.52	-4.71	0.26
MONTH	5.83	-4.86	1.34	5.80	-6.22	0.52	6.13	-5.54	0.28	5.07	-5.76	-0.12

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022261792 S BRUNSWICK RIVER,COLONELS ISLAND, NR BRUNSWICK,GA SOURCE AGENCY USGS STATE 13 COUNTY 127
LATITUDE 310755 LONGITUDE 0813213 NAD27 DATUM 0.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.26	-4.60	-0.03	4.68	-3.73	0.93	4.05	-4.02	0.32	4.75	-3.08	0.97
2	4.08	-4.70	-0.13	4.73	-4.06	0.65	3.70	-4.85	-0.37	4.59	-3.11	0.88
3	3.95	-4.93	-0.23	4.50	-4.21	0.63	3.70	-4.61	-0.48	4.48	-3.96	0.59
4	3.48	-4.90	-0.54	4.62	-3.53	0.98	4.03	-4.18	-0.12	4.91	-2.85	0.98
5	3.17	-4.46	-0.47	4.05	-3.92	0.58	3.81	-3.55	0.13	4.61	-2.12	1.35
6	3.33	-3.28	0.14	3.82	-4.18	0.03	4.34	-2.94	0.52	4.57	-2.60	0.64
7	3.37	-3.63	-0.18	3.97	-3.25	0.63	4.36	-2.39	0.87	3.84	-2.57	0.31
8	2.32	-3.49	-0.45	3.95	-2.42	0.86	3.84	-2.08	1.06	3.61	-2.73	0.09
9	2.70	-2.58	-0.05	3.97	-2.08	0.82	4.41	-1.20	1.48	3.54	-3.03	0.02
10	3.04	-2.78	-0.29	3.76	-1.70	0.92	4.50	-2.39	0.87	3.53	-3.40	0.01
11	2.95	-2.57	-0.01	3.84	-1.57	0.96	4.05	-2.32	0.92	3.51	-4.05	0.02
12	2.77	-3.51	-0.31	3.76	-1.83	0.64	4.47	-2.46	1.33	3.84	-4.72	0.01
13	2.94	-4.05	-0.42	3.69	-2.24	0.66	4.68	-3.42	1.23	4.74	-4.72	0.40
14	3.21	-4.09	-0.21	4.07	-2.49	1.16	5.05	-3.93	1.26	5.44	-4.85	0.70
15	3.87	-4.67	-0.14	5.21	-2.63	1.69	5.61	-4.57	1.19	5.73	-4.91	0.71
16	4.57	-5.20	0.30	5.19	-3.32	1.34	6.24	-4.59	1.28	5.71	-5.19	0.44
17	5.10	-4.63	0.52	5.72	-3.92	1.40	6.60	-4.54	1.40	5.82	-4.89	0.59
18	4.49	-5.11	0.06	5.80	-4.28	1.34	6.40	-4.19	1.44	5.75	-4.04	0.99
19	4.74	-4.90	0.24	6.07	-4.03	1.52	6.16	-3.91	1.39	5.80	-3.69	1.31
20	4.70	-4.45	0.36	5.46	-4.13	1.23	6.08	-3.05	1.47	5.92	-2.73	1.51
21	4.72	-3.87	0.73	5.43	-4.49	0.76	5.86	-2.87	1.43	5.29	-2.87	0.97
22	4.86	-3.70	0.64	5.43	-3.93	0.68	5.45	-2.93	1.06	4.41	-2.95	0.70
23	3.74	-5.07	-0.87	5.01	-3.43	0.73	4.57	-2.00	1.48	3.48	-3.23	0.42
24	3.64	-3.68	-0.21	4.77	-2.98	0.89	4.70	-2.21	1.35	3.82	-2.94	0.85
25	3.69	-3.61	-0.02	4.64	-2.52	1.00	4.50	-2.44	1.14	3.97	-2.82	0.91
26	3.98	-2.68	0.82	4.36	-2.77	0.86	4.20	-3.41	0.81	3.99	-3.26	0.57
27	4.92	-3.26	1.05	4.44	-2.48	1.39	4.41	-3.01	1.15	3.99	-3.28	0.51
28	4.41	-3.46	0.74	4.92	-2.70	1.65	4.76	-2.72	1.47	4.36	-3.04	0.82
29	---	---	---	4.66	-2.98	1.15	4.66	-3.09	1.14	4.07	-3.37	0.47
30	---	---	---	4.22	-4.20	0.48	4.71	-3.30	0.91	4.48	-3.58	0.46
31	---	---	---	4.28	-4.11	0.44	---	---	---	3.66	-3.89	0.06
MONTH	5.10	-5.20	0.04	6.07	-4.49	0.94	6.60	-4.85	0.97	5.92	-5.19	0.62

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 022261792 S BRUNSWICK RIVER,COLONELS ISLAND, NR BRUNSWICK,GA SOURCE AGENCY USGS STATE 13 COUNTY 127
LATITUDE 310755 LONGITUDE 0813213 NAD27 DATUM 0.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	4.28	-4.44	-0.06	4.44	-3.76	0.21	4.22	-4.58	-0.16	4.61	-4.11	0.44
2	4.63	-3.34	0.46	3.65	-4.39	-0.29	4.10	-4.33	0.12	4.36	-3.78	0.34
3	4.34	-3.03	0.52	3.61	-4.46	-0.57	4.06	-4.23	0.15	4.27	-3.59	0.29
4	3.77	-3.59	0.16	3.59	-4.55	-0.53	3.75	-4.19	-0.16	4.30	-3.43	0.33
5	3.73	-3.67	-0.13	3.66	-4.27	-0.24	3.79	-4.50	-0.21	4.67	-3.60	0.64
6	3.85	-3.24	0.29	3.44	-4.06	-0.24	4.10	-4.58	-0.28	5.29	-2.64	1.60
7	4.17	-3.36	0.29	3.42	-4.30	-0.25	4.16	-4.40	-0.12	5.23	-2.76	1.64
8	3.72	-3.69	-0.06	3.83	-4.66	-0.17	4.55	-4.42	0.22	5.36	-3.15	1.50
9	3.94	-4.59	0.11	4.40	-4.60	0.06	4.49	-4.56	0.10	5.45	-2.98	1.58
10	4.65	-4.26	0.52	4.71	-4.86	0.11	4.47	-5.10	-0.18	5.37	-3.05	1.58
11	5.10	-4.59	0.67	4.92	-5.44	-0.05	4.48	-5.06	-0.11	5.44	-2.45	1.86
12	5.20	-5.00	0.50	4.78	-5.40	-0.17	4.56	-4.71	0.04	5.14	-2.43	1.81
13	5.26	-5.31	0.26	4.94	-5.11	0.01	4.52	-4.44	0.23	4.62	-2.61	1.33
14	5.43	-5.10	0.30	4.78	-4.94	0.07	4.19	-3.96	0.48	4.46	-2.94	1.08
15	5.26	-5.00	0.18	4.76	-4.73	0.15	3.90	-4.08	0.35	4.20	-2.57	1.07
16	5.06	-4.85	0.18	4.24	-4.26	0.12	3.79	-3.77	0.32	4.34	-2.03	1.38
17	4.83	-4.35	0.33	3.97	-4.39	-0.08	3.49	-3.50	0.03	4.64	-0.45	1.97
18	4.83	-3.91	0.50	3.82	-4.14	-0.07	3.20	-3.47	-0.16	4.29	-1.17	1.52
19	4.40	-3.94	0.12	3.47	-3.93	-0.22	3.65	-2.82	0.15	3.54	-1.98	0.55
20	3.68	-3.90	-0.15	3.45	-3.68	-0.07	3.58	-2.45	0.47	3.96	-2.08	0.78
21	3.77	-3.54	0.49	3.48	-3.14	0.06	3.64	-2.34	0.49	4.50	-1.82	1.32
22	3.79	-2.64	0.77	2.90	-3.78	-0.43	3.62	-2.81	0.39	4.67	-2.45	1.54
23	3.81	-2.85	0.68	2.44	-4.05	-0.74	3.44	-2.88	0.24	4.75	-2.96	1.19
24	3.79	-2.99	0.52	2.92	-3.78	-0.56	3.90	-3.24	0.22	5.67	-2.82	1.79
25	3.85	-3.44	0.38	3.49	-3.19	-0.03	4.63	-3.19	0.80	5.86	-3.22	1.77
26	4.04	-3.22	0.37	3.85	-3.55	0.05	4.91	-3.71	0.71	5.86	-3.32	1.73
27	4.13	-3.46	0.29	4.01	-3.89	0.13	4.96	-4.11	0.55	5.72	-3.29	1.74
28	4.23	-3.42	0.30	4.03	-4.22	-0.12	4.81	-4.72	0.28	5.63	-3.66	1.35
29	3.95	-3.81	-0.02	4.21	-4.27	-0.24	4.80	-4.53	0.43	5.75	-3.55	1.53
30	4.25	-3.82	0.12	4.15	-4.83	-0.39	4.62	-4.42	0.55	5.79	-2.61	1.72
31	---	---	---	4.28	-4.74	-0.28	4.51	-4.38	0.49	---	---	---
MONTH	5.43	-5.31	0.30	4.94	-5.44	-0.15	4.96	-5.10	0.21	5.86	-4.11	1.30
YEAR	6.60	-6.22	0.52									

BRUNSWICK RIVER BASIN
2003 Water Year

02226180 BRUNSWICK RIVER AT ST. SIMONS ISLAND, GA

LOCATION.—Lat 31°08'00", long 81°23'48" referenced to North American Datum (NAD) of 1927, Glynn County, Hydrologic Unit 03070203, at downstream side of village pier, on St. Simons Island.

DRAINAGE AREA.—Indeterminate.

COOPERATION.—U.S. Army Corps of Engineers, Savannah District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1988 to February 1998, November 1998 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records poor.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage-height recorded, 7.00 feet, February 7, 1993; minimum gage-height recorded, -7.35 feet, March 13, 1993, but was lower during the day when the stage went below the recordable range in stage.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 5.48 feet, September 26; minimum gage-height recorded, -5.98 feet, January 2.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226180 BRUNSWICK RIVER AT ST. SIMONS ISLAND, GA SOURCE AGENCY USGS STATE 13 COUNTY 127
LATITUDE 310800 LONGITUDE 0812348 NAD27 DRAINAGE AREA 14200 CONTRIBUTING DRAINAGE AREA 14200 DATUM 0.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	4.14	-1.65	1.25	4.16	-3.28	0.77	3.27	-5.24	-0.57	3.41	-5.95	-1.24
2	4.14	-2.20	1.00	4.46	-3.48	0.81	4.32	-4.69	-0.15	3.15	-5.98	-1.35
3	4.44	-3.03	0.78	4.74	-3.81	0.58	4.14	-4.96	-0.23	2.57	---	-1.55
4	4.81	-3.68	0.73	4.87	-4.33	0.41	5.36	-4.44	0.60	3.45	-5.29	-0.83
5	4.88	-4.09	0.56	5.25	-4.33	0.56	4.91	-4.12	0.21	3.31	-4.39	-0.68
6	5.01	-4.47	0.45	4.07	-5.94	-0.79	4.31	-4.14	-0.07	2.78	-4.41	-1.08
7	5.05	-4.23	0.68	4.42	-4.43	-0.07	3.81	-3.92	-0.30	2.52	-4.06	-0.79
8	5.21	-3.99	0.75	4.35	-3.25	0.31	3.27	-3.80	-0.48	1.48	-4.57	-1.74
9	5.30	-3.20	0.96	4.09	-2.77	0.33	3.44	-2.96	0.05	1.40	-3.95	-1.56
10	5.21	-2.42	1.20	3.39	-2.74	0.06	3.90	-1.57	0.93	---	---	---
11	4.48	-2.42	0.88	2.90	-2.92	-0.28	3.08	-2.86	-0.02	---	---	---
12	4.35	-2.03	0.87	2.50	-2.82	-0.30	2.05	-3.52	-0.84	---	---	---
13	4.10	-1.91	0.91	3.10	-2.60	-0.10	2.12	-4.11	-0.67	---	---	---
14	4.69	-1.40	1.73	3.08	-2.31	0.60	1.47	-4.54	-1.63	---	---	---
15	5.12	-0.47	2.40	3.52	-2.36	0.83	1.98	-4.22	-0.94	---	---	---
16	4.30	-1.72	1.53	3.72	-2.96	0.61	2.22	-4.55	-1.06	---	---	---
17	3.93	-2.29	1.10	---	---	---	2.70	-4.58	-0.95	---	---	---
18	4.10	-2.31	1.16	---	---	---	2.94	-4.23	-0.48	---	---	---
19	4.09	-2.09	1.05	---	---	---	3.04	-4.09	-0.71	---	---	---
20	3.87	-2.56	0.71	---	---	---	2.73	-5.31	-1.54	---	---	---
21	3.83	-2.88	0.59	---	---	---	2.14	-5.56	-1.86	---	---	---
22	3.83	-3.07	0.62	---	---	---	1.95	-5.87	-2.17	---	---	---
23	4.13	-2.36	0.90	3.37	---	-0.39	1.70	-5.84	-2.09	---	---	---
24	4.16	-1.95	1.12	3.20	-3.42	-0.31	2.58	-4.96	-1.51	---	---	---
25	4.21	-1.77	0.96	3.25	-2.95	-0.20	1.53	-5.38	-2.48	---	---	---
26	3.69	-1.97	0.64	3.37	-2.94	-0.15	2.31	-4.95	-1.72	---	---	---
27	3.47	-1.97	0.46	3.04	-3.18	-0.32	2.30	-4.68	-1.32	---	---	---
28	3.57	-1.84	0.50	3.35	-3.14	-0.02	1.89	-5.17	-1.47	---	---	---
29	3.50	-2.23	0.27	3.32	-3.95	-0.15	2.11	-5.66	-1.67	---	---	---
30	3.68	-2.73	0.33	2.35	-5.73	-1.34	2.80	-5.47	-1.22	---	---	---
31	4.00	-2.65	0.77	---	---	---	3.18	-5.57	-1.07	---	---	---
MONTH	5.30	-4.47	0.90	---	---	---	5.36	-5.87	-0.88	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226180 BRUNSWICK RIVER AT ST. SIMONS ISLAND, GA SOURCE AGENCY USGS STATE 13 COUNTY 127
LATITUDE 310800 LONGITUDE 0812348 NAD27 DRAINAGE AREA 14200 CONTRIBUTING DRAINAGE AREA 14200 DATUM 0.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	4.21	-3.46	0.56	2.17	-5.18	-1.42	3.71	-3.41	0.07
2	---	---	---	4.32	-3.71	0.28	1.78	-5.93	-2.06	3.60	-3.30	0.01
3	---	---	---	4.06	-3.89	0.27	1.73	-5.73	-2.16	3.50	-4.18	-0.29
4	---	---	---	4.09	-3.33	0.54	2.11	-5.34	-1.79	3.88	-3.18	0.13
5	---	---	---	---	---	---	1.89	-4.70	-1.54	3.61	-2.44	0.46
6	---	---	---	3.11	-3.98	-0.43	2.48	-4.16	-1.14	3.04	-2.91	-0.26
7	---	---	---	---	---	---	---	---	---	2.72	-3.04	-0.56
8	---	---	---	3.27	-2.37	0.37	---	---	---	2.54	-3.36	-0.75
9	---	---	---	3.23	-2.14	0.31	2.59	-2.40	-0.17	2.43	-3.51	-0.83
10	---	---	---	3.18	-1.66	0.42	2.66	-3.57	-0.72	2.41	-3.82	-0.85
11	---	---	---	3.16	-1.84	0.47	2.34	-3.22	-0.43	2.41	-4.45	-0.85
12	---	---	---	3.00	-2.15	0.14	3.02	-3.31	0.03	2.82	-5.00	-0.89
13	---	---	---	2.94	-2.53	0.16	3.29	-4.06	-0.11	3.73	-4.86	-0.55
14	---	---	---	3.30	-2.62	0.62	3.65	-4.47	-0.10	4.37	-5.01	-0.27
15	---	---	---	4.48	-3.20	0.84	4.21	-5.10	-0.14	---	---	---
16	---	---	---	4.20	-3.91	0.10	4.84	-5.12	-0.03	---	---	---
17	---	---	---	4.12	-5.00	-0.45	5.21	-4.96	0.10	---	---	---
18	---	---	---	3.71	-5.50	-0.66	4.99	-4.62	0.10	---	---	---
19	---	---	---	4.00	-5.26	-0.52	4.76	-4.40	0.04	---	---	---
20	---	---	---	3.38	-5.40	-0.83	4.50	-3.62	0.13	---	---	---
21	---	---	---	3.32	-5.71	-1.26	4.43	-3.40	0.13	---	---	---
22	---	---	---	2.94	-5.19	-1.34	4.14	-3.37	-0.10	---	---	---
23	---	---	---	2.92	-4.80	-1.26	3.37	-2.61	0.38	---	---	---
24	---	---	---	2.84	-4.18	-0.94	3.44	-2.77	0.21	---	---	---
25	---	---	---	2.67	-3.74	-0.82	3.22	-3.04	0.09	---	---	---
26	---	---	---	2.39	-4.05	-0.95	3.12	-3.71	-0.10	---	---	---
27	---	---	---	2.43	-3.66	-0.44	3.29	-3.23	0.26	---	---	---
28	3.91	-3.23	0.36	2.98	-3.90	-0.19	3.66	-3.07	0.51	3.96	-2.72	0.59
29	---	---	---	2.76	-4.15	-0.66	3.56	-3.38	0.20	3.67	-3.09	0.27
30	---	---	---	2.33	-5.24	-1.25	3.67	-3.71	0.00	4.09	-3.27	0.27
31	---	---	---	2.37	-5.13	-1.27	---	---	---	3.29	-3.45	-0.10
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226180 BRUNSWICK RIVER AT ST. SIMONS ISLAND, GA SOURCE AGENCY USGS STATE 13 COUNTY 127
LATITUDE 310800 LONGITUDE 0812348 NAD27 DRAINAGE AREA 14200 CONTRIBUTING DRAINAGE AREA 14200 DATUM 0.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	3.93	-4.03	-0.23	4.20	-3.27	0.16	3.75	-4.17	-0.39	4.09	-3.70	0.04
2	4.21	-3.03	0.25	3.43	-3.85	-0.32	3.61	-3.94	-0.17	4.02	-3.49	-0.01
3	4.04	-2.84	0.28	3.35	-3.92	-0.57	3.50	-3.87	-0.17	3.74	-3.43	-0.05
4	3.30	-3.20	-0.04	3.43	-3.95	-0.56	3.31	-3.95	-0.47	3.86	-3.34	0.01
5	3.42	-3.30	-0.31	3.43	-3.64	-0.32	3.33	-4.27	-0.49	4.19	-3.46	0.32
6	3.41	-2.92	0.06	3.17	-3.62	-0.32	3.70	-4.36	-0.54	4.75	-2.40	1.23
7	3.80	-3.30	0.04	3.16	-3.90	-0.40	3.81	-4.18	-0.38	4.87	-2.43	1.30
8	3.32	-3.48	-0.28	3.37	-4.42	-0.43	4.13	-4.14	-0.10	4.93	-2.82	1.19
9	3.48	-4.19	-0.13	4.01	-4.32	-0.22	4.00	-4.39	-0.22	5.05	-2.62	1.26
10	4.20	-3.95	0.21	4.28	-4.60	-0.19	3.99	-4.79	-0.47	4.94	-2.61	1.26
11	4.66	-4.19	0.30	4.54	-5.08	-0.33	4.02	-4.70	-0.39	5.05	-2.06	1.55
12	4.78	-4.62	0.15	4.41	-5.11	-0.43	4.09	-4.35	-0.25	4.75	-2.00	1.47
13	4.82	-4.95	-0.05	4.50	-4.64	-0.24	4.00	-4.09	-0.09	4.22	-2.22	0.98
14	5.04	-4.70	0.02	4.35	-4.57	-0.19	3.68	-3.62	0.12	4.04	-2.65	0.76
15	4.87	-4.57	-0.10	4.38	-4.24	-0.11	3.43	-3.68	0.03	3.84	-2.24	0.78
16	4.69	-4.37	-0.11	3.78	-3.94	-0.17	3.33	-3.39	0.03	3.89	-1.85	1.09
17	4.53	-3.84	0.15	3.39	-4.02	-0.35	3.01	-3.30	-0.22	4.18	-0.28	1.67
18	4.16	-3.34	0.29	3.04	-3.74	-0.32	2.70	-3.28	-0.39	3.93	-1.00	1.29
19	4.16	-3.46	-0.05	3.03	-3.63	-0.46	3.13	-2.81	-0.11	3.08	-1.95	0.34
20	3.35	-3.51	-0.27	3.01	-3.50	-0.28	3.06	-2.42	0.19	3.48	-1.98	0.54
21	3.52	-3.07	0.46	3.00	-3.02	-0.16	3.11	-2.28	0.21	4.04	-1.73	1.04
22	3.57	-2.26	0.74	2.45	-3.59	-0.62	3.09	-2.55	0.12	4.21	-2.10	1.19
23	3.55	-2.41	0.63	2.03	-3.92	-0.93	2.94	-2.84	-0.05	4.31	-2.69	0.87
24	3.54	-2.61	0.47	2.37	-3.58	-0.76	3.32	-3.17	-0.08	5.17	-2.40	1.43
25	3.65	-2.97	0.34	2.93	-3.17	-0.27	4.11	-3.00	0.45	5.40	-2.81	1.43
26	3.80	-2.85	0.31	3.38	-3.41	-0.18	4.45	-3.49	0.36	5.48	-3.03	1.40
27	3.90	-3.11	0.23	3.59	-3.63	-0.13	4.47	-3.94	0.21	5.30	-2.85	1.38
28	4.06	-3.08	0.23	3.66	-3.96	-0.33	4.35	-4.36	-0.06	5.25	-3.18	1.02
29	3.77	-3.46	-0.06	3.85	-4.06	-0.45	4.29	-4.10	0.07	5.36	-3.09	1.20
30	4.02	-3.30	0.10	3.79	-4.37	-0.57	4.17	-3.99	0.17	5.35	-2.22	1.34
31	---	---	---	3.89	-4.39	-0.49	4.04	-3.91	0.09	---	---	---
MONTH	5.04	-4.95	0.12	4.54	-5.11	-0.35	4.47	-4.79	-0.10	5.48	-3.70	0.98

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226180 BRUNSWICK RIVER AT ST. SIMONS ISLAND, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 127
LATITUDE 310800 LONGITUDE 0812348 NAD27 DRAINAGE AREA 14200 CONTRIBUTING DRAINAGE AREA 14200* DATUM 0.00 NGVD29

APPROVED

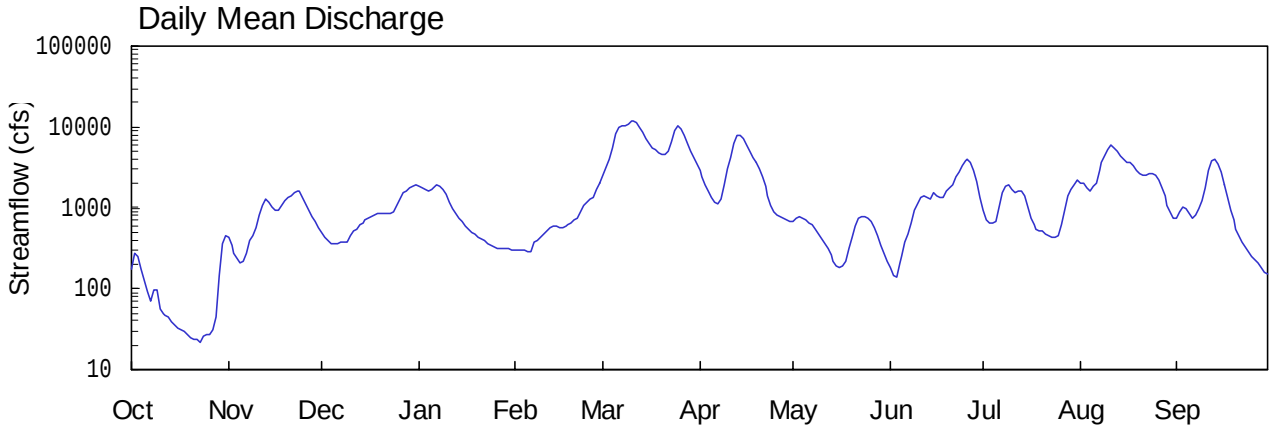
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

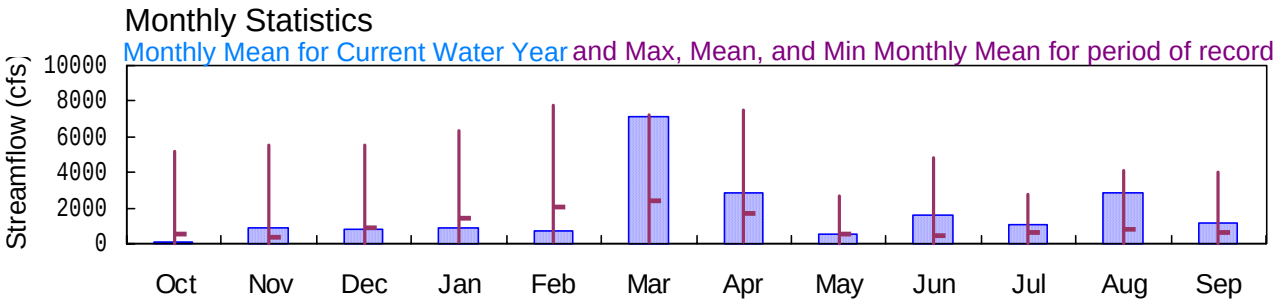
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01	0.00	0.00	0.01	---	---	---	---	0.00	0.00	0.02	0.00
2	0.01	0.00	0.00	0.00	---	---	---	---	0.00	0.00	0.00	0.00
3	0.00	0.00	0.04	0.00	---	---	---	---	0.43	0.33	0.00	0.00
4	0.00	0.00	0.00	0.00	---	---	---	---	0.69	0.00	0.04	0.00
5	0.00	0.00	0.77	0.00	---	---	---	---	0.16	0.01	0.00	0.00
6	0.00	0.12	0.08	0.00	---	0.00	---	---	0.24	0.00	0.42	0.65
7	0.04	0.00	0.00	0.00	---	---	---	---	0.51	0.00	0.45	0.01
8	0.04	0.00	0.00	0.00	---	---	---	---	0.24	0.00	0.01	0.00
9	0.75	0.00	0.84	0.00	---	---	---	---	0.00	0.00	0.39	0.02
10	0.38	0.00	0.44	---	---	---	---	---	0.00	0.00	0.04	0.00
11	0.07	0.00	0.00	---	---	---	---	---	0.00	0.00	0.01	0.00
12	0.00	0.48	0.22	---	---	---	---	---	0.00	0.00	0.13	0.00
13	0.00	0.50	0.44	---	---	---	---	---	0.03	0.06	0.00	0.00
14	0.70	0.00	0.00	---	---	---	---	---	0.00	0.95	0.02	0.00
15	0.22	0.00	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00
16	0.01	0.79	0.00	---	---	---	---	0.00	0.00	0.00	0.04	0.00
17	0.00	---	0.00	---	---	---	---	0.00	1.17	0.15	0.01	0.00
18	0.00	---	0.00	---	---	---	---	0.00	0.28	0.02	0.06	0.00
19	0.00	---	0.00	---	---	---	---	0.00	0.00	0.00	0.01	0.00
20	0.00	---	0.17	---	---	---	---	0.00	0.02	0.00	0.00	0.00
21	0.36	---	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.01
22	0.00	---	0.00	---	---	---	---	0.00	0.00	1.41	0.00	0.59
23	0.00	---	0.00	---	---	---	---	0.00	0.01	0.13	0.00	0.30
24	0.05	0.00	0.86	---	---	---	---	0.00	0.00	0.35	0.00	0.00
25	0.31	0.00	0.01	---	---	---	---	0.00	0.00	0.45	0.00	0.00
26	0.00	0.00	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.10
27	0.00	0.00	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.42
28	0.00	0.00	0.00	---	---	---	---	0.00	0.04	0.00	0.00	0.00
29	0.00	0.00	0.00	---	---	---	---	0.00	0.00	0.02	0.00	0.00
30	0.06	0.00	0.00	---	---	---	---	0.00	0.00	0.98	0.00	0.00
31	0.00	---	0.84	---	---	---	---	0.00	---	0.24	0.09	---
TOTAL	3.01	---	4.71	---	---	---	---	---	3.82	5.10	1.74	2.10

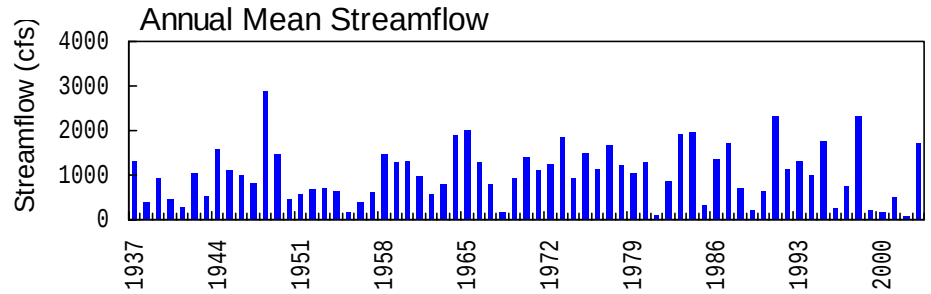
2003 Water Year

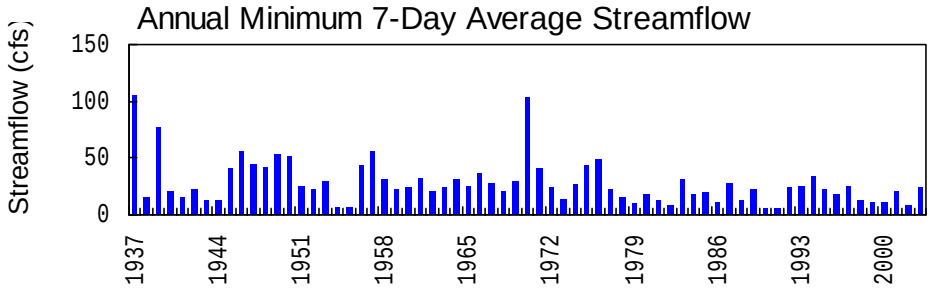
02226500 SATILLA RIVER NEAR WAYCROSS, GA

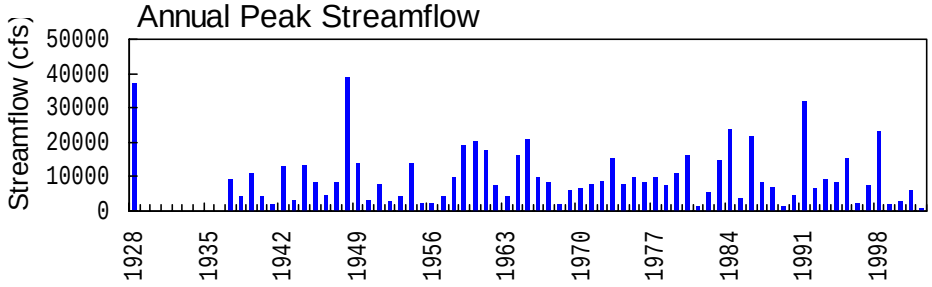
Latitude: 31°14'17" Longitude: 082°19'29" Hydrologic Unit Code: 03070201 Ware County
Drainage Area: 120 mi² Datum: 66.4 feet











SATILLA RIVER BASIN
2003 Water Year

02226500 SATILLA RIVER NEAR WAYCROSS, GA

LOCATION.—Lat 31°14'17", long 82°19'29" referenced to North American Datum (NAD) of 1927, Ware-Pierce County line, Hydrologic Unit 03070201, on downstream side of pier near center span of bridge on GA 38, 3.0 miles northeast of Waycross, and 16.0 miles upstream from Alabaha River.

DRAINAGE AREA.—1,200 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1937 to current year.

REVISED RECORDS.—WSP 952: 1939. WSP 1624: Drainage area. WDR GA-87- 1: 1986.

GAGE.—Phone telemetry with a water-stage recorder. Datum of gage is 66.43 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to November 22, 1952, a non-recording gage was located at site 300.00 feet downstream at same datum.

REMARKS.—Records good, except for periods of estimated discharge, which are fair.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1862, that of April 4, 1948.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,700 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/11	0145	12,200*	17.93*
03/25	1145	10,300	17.37
04/13	1945	7,930	16.55
06/26	0030	4,010	14.63
08/10	2200	5,490	15.51
09/12	2300	4,140	14.73

02226500 SATILLA RIVER NEAR WAYCROSS, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1937 to current year.

GAGE.—Phone telemetry with a water-stage recorder. Datum of gage is 66.43 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to November 22, 1952, a non-recording gage was located at site 300.00 feet downstream at same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 17.93 feet, March 11; minimum gage-height recorded, 3.91 feet, October 23, 24.

PRECIPITATION RECORDS

PERIOD OF RECORD.—July 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226500 SATILLA RIVER NEAR WAYCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 299
LATITUDE 311417 LONGITUDE 0821929 NAD27 DRAINAGE AREA 1200 CONTRIBUTING DRAINAGE AREA 1200* DATUM 66.43 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	171	424	494	1890	299	e2560	2950	691	179	920	2000	748
2	277	346	441	1730	298	e3250	2420	729	148	707	2040	882
3	245	279	400	1650	295	4010	1960	774	139	638	1780	1010
4	175	234	365	1640	295	5450	1630	747	210	640	1640	978
5	125	210	367	1690	288	8200	1370	714	245	695	1810	857
6	93	216	359	1800	282	9680	1200	665	379	1020	2030	746
7	72	276	374	1890	373	10100	1150	610	476	1520	2970	823
8	97	399	383	1880	387	10200	1310	548	644	1860	3600	959
9	96	454	379	1710	425	10900	1910	478	926	1890	4400	1200
10	55	561	451	1450	472	12000	2980	420	1140	1690	e5320	1800
11	50	819	516	1190	515	12100	4100	367	1360	1540	e6050	e2950
12	47	1090	552	988	569	11100	6320	310	1430	1620	e5400	3880
13	44	1270	618	850	607	9780	7750	258	1360	1640	4940	4040
14	40	1190	661	748	605	8560	7790	218	1270	1410	4430	3530
15	36	1030	723	665	576	7290	7120	193	1510	1010	4040	2790
16	33	921	759	601	567	6190	6110	185	1410	754	3720	1970
17	31	941	785	549	596	5500	5020	192	1350	615	3580	1320
18	29	1080	819	501	626	5260	4200	221	1340	547	3320	916
19	27	1250	848	463	657	4840	3600	312	1580	510	2920	699
20	24	1330	869	432	696	4480	3000	435	1730	522	2650	552
21	23	1410	867	408	754	4480	2400	587	1950	471	2480	450
22	23	1520	868	386	883	4990	1840	730	2370	454	2580	380
23	21	1610	850	366	1060	6510	1390	788	2830	433	2650	334
24	26	1570	896	345	1190	9080	1070	790	3370	432	2650	290
25	27	1360	1090	329	1280	10200	900	754	3870	443	2520	253
26	27	1120	1300	319	1320	9370	823	676	3960	610	2210	228
27	31	928	1530	315	1660	7780	775	559	3600	951	1800	204
28	44	788	1640	315	e2040	6210	751	442	2940	1410	1380	182
29	145	665	1740	313	---	4920	722	347	2080	e1700	1060	163
30	355	565	1860	309	---	4120	688	276	1360	e1950	873	153
31	451	---	1910	303	---	3520	---	221	---	e2200	761	---
TOTAL	2940	25856	25714	28025	19615	222630	85249	15237	47156	32802	89604	35287
MEAN	94.8	862	829	904	701	7182	2842	492	1572	1058	2890	1176
MAX	451	1610	1910	1890	2040	12100	7790	790	3960	2200	6050	4040
MIN	21	210	359	303	282	2560	688	185	139	432	761	153
CFSM	0.08	0.72	0.69	0.75	0.58	5.98	2.37	0.41	1.31	0.88	2.41	0.98
IN.	0.09	0.80	0.80	0.87	0.61	6.90	2.64	0.47	1.46	1.02	2.78	1.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2003, BY WATER YEAR (WY)

MEAN	542	363	859	1450	2071	2386	1704	579	454	591	785	655
MAX	5135	5516	5551	6302	7789	7218	7487	2675	4838	2778	4128	4047
(WY)	1948	1948	1965	1987	1986	1959	1948	1964	1973	1963	1971	1949
MIN	7.52	9.13	17.6	48.3	74.4	91.1	68.4	18.7	11.5	10.1	12.4	7.34
(WY)	1955	1955	1955	1981	1989	1955	1938	1999	2002	1990	1954	1990

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1937 - 2003	
ANNUAL TOTAL	83257.5		630115			
ANNUAL MEAN	228		1726		1028	
HIGHEST ANNUAL MEAN					2910	1948
LOWEST ANNUAL MEAN					85.5	2002
HIGHEST DAILY MEAN	1910	Dec 31	12100	Mar 11	37000	Apr 4 1948
LOWEST DAILY MEAN	7.8	Aug 12	21	Oct 23	5.5	Oct 9 1990
ANNUAL SEVEN-DAY MINIMUM	8.3	Jun 15	24	Oct 19	5.6	Oct 3 1990
MAXIMUM PEAK FLOW			12200	Mar 11	39000	Apr 4 1948
MAXIMUM PEAK STAGE			17.93	Mar 11	22.40	Apr 4 1948
INSTANTANEOUS LOW FLOW					5.5	Oct 9 1990
ANNUAL RUNOFF (CFSM)	0.19		1.44		0.86	
ANNUAL RUNOFF (INCHES)	2.58		19.53		11.64	
10 PERCENT EXCEEDS	849		4450		2890	
50 PERCENT EXCEEDS	66		868		318	
90 PERCENT EXCEEDS	12		200		31	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226500 SATILLA RIVER NEAR WAYCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 299
LATITUDE 311417 LONGITUDE 0821929 NAD27 DRAINAGE AREA 1200 CONTRIBUTING DRAINAGE AREA 1200* DATUM 66.43 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.59	7.41	7.84	12.35	6.59	---	13.71	8.88	5.81	9.94	12.52	9.17
2	6.43	6.91	7.52	12.06	6.58	---	13.10	9.07	5.53	8.96	12.59	9.80
3	6.19	6.45	7.26	11.91	6.56	14.62	12.47	9.30	5.45	8.62	12.15	10.31
4	5.66	6.11	7.04	11.89	6.56	15.47	11.85	9.16	6.05	8.63	11.88	10.20
5	5.22	5.92	7.05	11.99	6.51	16.64	11.32	9.00	6.33	8.90	12.23	9.69
6	4.91	5.97	7.00	12.19	6.47	17.17	10.88	8.75	7.13	10.29	12.55	9.16
7	4.69	6.42	7.09	12.35	7.09	17.31	10.73	8.47	7.75	11.62	13.72	9.53
8	4.92	7.25	7.15	12.33	7.18	17.35	11.13	8.14	8.64	12.30	14.29	10.12
9	4.93	7.60	7.12	12.01	7.42	17.56	12.36	7.76	9.99	12.36	14.90	10.87
10	4.49	8.20	7.58	11.48	7.71	17.87	13.71	7.42	10.71	11.98	---	12.17
11	4.41	9.50	7.97	10.85	7.96	17.89	14.68	7.10	11.28	11.67	---	---
12	4.38	10.55	8.17	10.23	8.26	17.62	15.87	6.74	11.45	11.85	---	14.52
13	4.33	11.06	8.51	9.66	8.46	17.20	16.48	6.39	11.29	11.87	15.23	14.65
14	4.26	10.86	8.74	9.17	8.44	16.78	16.49	6.10	11.05	11.39	14.94	14.22
15	4.20	10.37	9.04	8.75	8.29	16.29	16.22	5.91	11.60	10.29	14.65	13.53
16	4.15	9.98	9.22	8.42	8.24	15.82	15.79	5.84	11.40	9.20	14.39	12.47
17	4.11	10.06	9.35	8.15	8.40	15.51	15.28	5.90	11.27	8.49	14.27	11.17
18	4.07	10.52	9.52	7.88	8.55	15.40	14.77	6.12	11.24	8.14	14.04	9.93
19	4.03	11.00	9.66	7.65	8.71	15.19	14.29	6.74	11.75	7.93	13.68	8.92
20	3.98	11.21	9.75	7.47	8.91	14.98	13.76	7.51	12.07	8.00	13.38	8.16
21	3.96	11.40	9.74	7.31	9.20	14.98	13.08	8.35	12.45	7.72	13.18	7.60
22	3.96	11.63	9.75	7.17	9.80	15.26	12.24	9.07	13.04	7.63	13.30	7.19
23	3.92	11.82	9.67	7.04	10.48	15.96	11.34	9.36	13.58	7.51	13.38	6.91
24	4.01	11.75	9.86	6.90	10.86	16.96	10.51	9.38	14.09	7.50	13.38	6.64
25	4.04	11.29	10.55	6.80	11.09	17.33	9.89	9.20	14.52	7.57	13.23	6.38
26	4.03	10.65	11.15	6.73	11.19	17.06	9.54	8.81	14.59	8.46	12.84	6.21
27	4.12	10.0	11.65	6.70	11.91	16.49	9.30	8.20	14.29	10.06	12.19	6.03
28	4.33	9.36	11.88	6.70	---	15.83	9.18	7.56	13.68	11.38	11.33	5.85
29	5.37	8.75	12.09	6.69	---	15.22	9.04	6.99	12.62	---	10.46	5.67
30	6.96	8.23	12.30	6.66	---	14.71	8.87	6.54	11.25	---	9.76	5.59
31	7.58	---	12.38	6.62	---	14.22	---	6.15	---	---	9.23	---
MEAN	4.75	9.27	9.15	9.16	---	---	12.60	7.74	10.73	---	---	---
MAX	7.58	11.82	12.38	12.35	---	---	16.49	9.38	14.59	---	---	---
MIN	3.92	5.92	7.00	6.62	---	---	8.87	5.84	5.45	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02226500 SATILLA RIVER NEAR WAYCROSS, GA SOURCE AGENCY USGS STATE 13 COUNTY 299
LATITUDE 311417 LONGITUDE 0821929 NAD27 DRAINAGE AREA 1200 CONTRIBUTING DRAINAGE AREA 1200* DATUM 66.43 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01	0.00	0.00	0.01	0.00	1.26	0.00	---	---	0.00	1.47	0.00
2	0.00	0.00	0.00	0.00	0.00	0.65	0.00	---	---	0.46	0.11	0.26
3	0.00	0.00	0.00	0.01	0.07	0.58	0.00	---	---	1.22	0.20	0.00
4	0.00	0.00	0.00	0.00	0.17	0.63	0.00	---	---	0.01	1.98	0.00
5	0.00	0.02	0.83	0.00	0.00	0.04	0.00	---	---	0.30	0.00	0.00
6	0.00	---	0.00	0.00	1.17	0.06	0.00	---	1.80	0.02	1.84	0.00
7	0.00	---	0.00	0.00	0.16	1.95	0.65	---	0.74	0.00	0.60	0.00
8	0.52	---	0.00	0.00	0.00	0.03	---	---	0.36	0.00	0.00	0.00
9	0.00	0.00	0.49	0.00	0.36	1.67	---	---	0.00	0.00	0.00	0.00
10	0.01	0.00	0.42	0.00	0.03	0.01	---	---	0.00	0.00	0.09	0.00
11	0.00	0.00	0.26	0.00	0.00	0.00	---	---	0.00	0.00	---	0.00
12	0.00	1.20	0.07	0.01	0.00	0.00	---	---	0.00	0.06	---	0.00
13	0.00	0.01	0.62	0.02	0.00	0.72	---	---	0.00	0.95	0.00	0.00
14	0.04	0.00	0.00	0.00	0.00	0.00	---	---	3.93	0.31	0.00	0.00
15	0.04	0.00	0.00	0.00	0.00	0.03	---	---	0.01	0.00	0.00	0.00
16	0.00	0.42	0.00	0.00	0.93	0.00	---	---	0.26	0.68	0.48	0.00
17	0.00	0.04	0.00	0.00	0.01	1.53	---	---	0.20	0.21	0.17	0.00
18	0.00	0.00	0.00	0.00	0.00	0.01	---	---	0.24	0.00	0.05	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.01	1.19	0.33	0.00
20	0.00	0.00	0.28	0.00	0.00	0.07	---	---	0.10	0.00	0.01	0.00
21	0.44	0.52	0.00	0.00	0.46	0.38	---	---	0.00	0.16	1.21	0.00
22	0.00	0.00	0.00	0.01	1.04	0.00	---	---	0.00	0.00	0.00	0.04
23	0.00	0.00	0.00	0.01	0.00	0.00	---	---	0.00	0.67	0.28	0.31
24	0.41	0.00	1.68	0.00	0.00	0.00	---	---	0.00	0.14	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.43	0.00	---	---	0.00	0.05	0.00	0.02
27	0.00	0.00	0.00	0.00	1.81	0.13	---	---	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.10	0.00	0.00
29	0.12	0.00	0.00	0.00	---	0.00	---	---	0.02	---	0.24	0.00
30	0.09	0.00	0.00	0.00	---	0.22	---	---	0.20	---	0.31	0.00
31	0.00	---	1.12	0.00	---	0.00	---	---	---	---	0.00	---
TOTAL	1.68	---	5.77	0.07	6.64	9.97	---	---	---	---	---	0.63

SATILLA RIVER BASIN
2003 Water Year

02227422 CROOKED CREEK TRIBUTARY NEAR BRISTOL, GA

LOCATION.—Lat 31°26'24", long 82°15'03" referenced to North American Datum (NAD) of 1927, Pierce County, Hydrologic Unit 03070202, on County Road 1903, 2.0 miles west of Brisol.

DRAINAGE AREA.—0.42 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1976 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 155.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 2.72 feet, June 25, 1991
DISCHARGE: 74.0 cfs, June 25, 1991

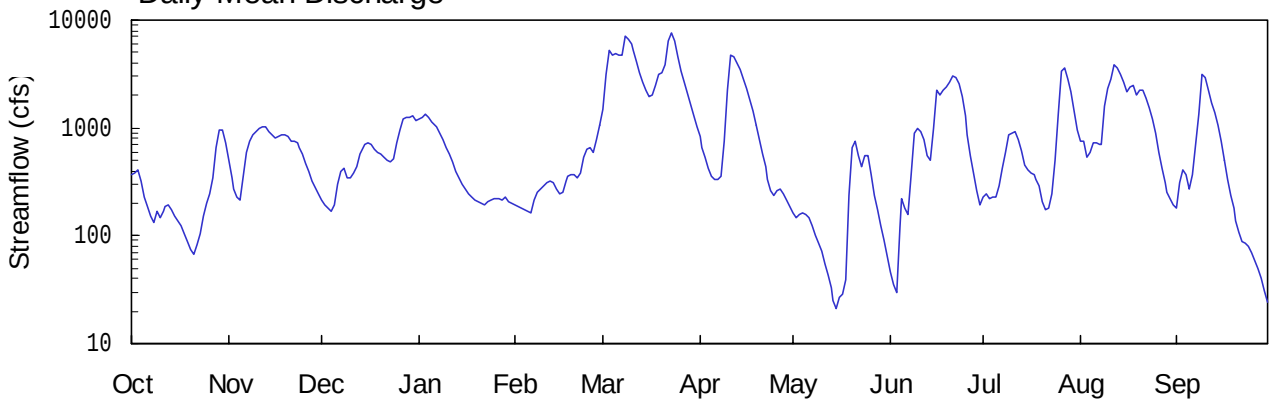
MAXIMUM FOR CURRENT YEAR.—
STAGE: 1.70 feet, September 6
DISCHARGE: 27.4 cfs, September 6

2003 Water Year

02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA

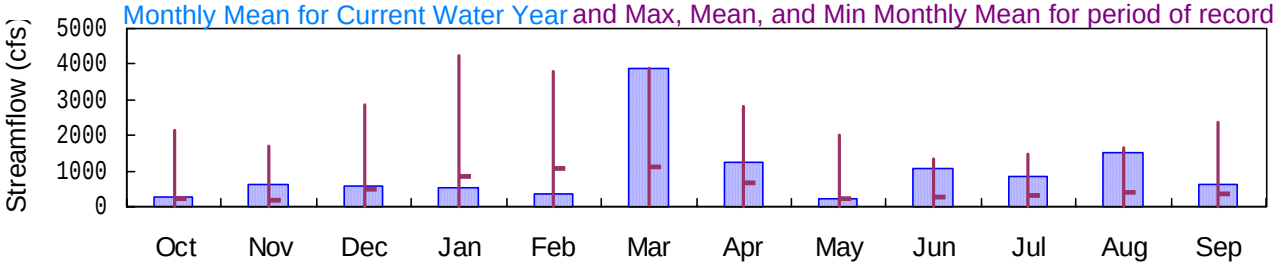
Latitude: 31°27'04" Longitude: 082°03'17" Hydrologic Unit Code: 03070202 Pierce County
Drainage Area: 646.0 mi² Datum: 58.0 feet

Daily Mean Discharge

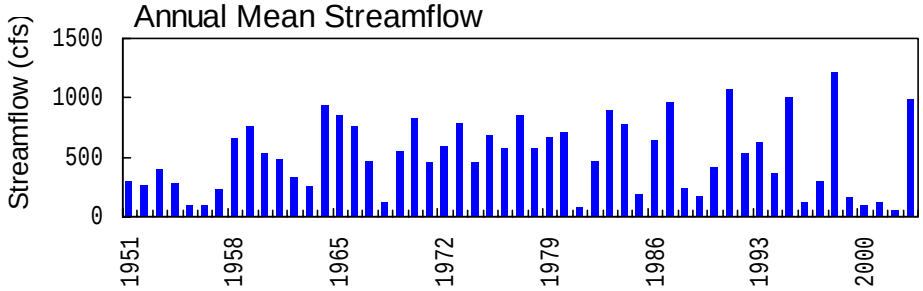


Monthly Statistics

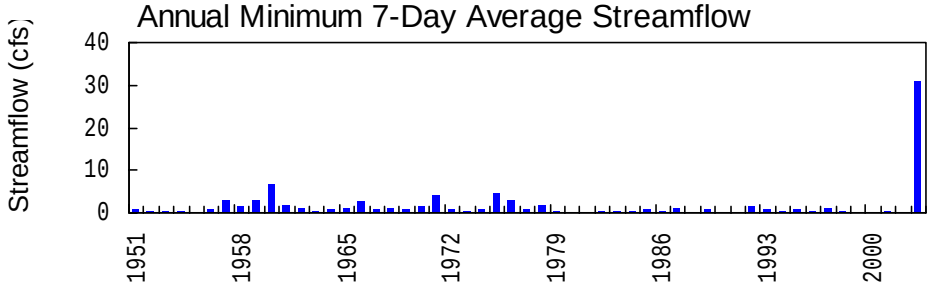
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



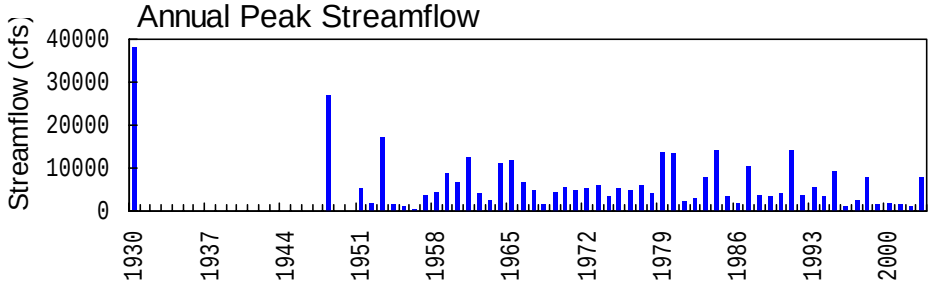
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



SATILLA RIVER BASIN
2003 Water Year

02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA

LOCATION.—Lat 31°27'04", long 82°03'17" referenced to North American Datum (NAD) of 1927, Pierce-Wayne County line, Hydrologic Unit 03070202, on downstream end of right bank pier of steel truss span of Seaboard Coast Line Railroad bridge, 1,500 feet downstream from bridge on GA 38, 4.0 miles northeast of Offerman, and 16.0 miles upstream from mouth.

DRAINAGE AREA.—646 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 1951 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 58.00 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to November 8, 1952, a water-stage recorder was installed at a site 1,500 feet upstream, and from November 8, 1952, to September 30, 1975, a water-stage recorder was located at present site at a datum 1.00 feet higher.

REMARKS.—Record good, except for discharges below 10.0 cfs, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharge greater than base discharge of 1,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
03/08	1600	7,440	11.68
03/23	0745	7,850*	11.82
04/11	1630	5,170	10.86
06/21	1500	3,130	10.03
08/12	0845	3,940	10.38
08/17	2030	2,700	9.80
09/09	1600	3,460	10.18

02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—January 1951 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 58.00 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to November 8, 1952, a water-stage recorder was installed at a site 1,500 feet upstream, and from November 8, 1952, to September 30, 1975, a water-stage recorder was located at present site at a datum 1.00 feet higher.

REMARKS.—Record good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.82 feet, March 23; minimum gage-height recorded, 2.20 feet, May 15.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 229
LATITUDE 312704 LONGITUDE 0820317 NAD27 DRAINAGE AREA 646.00* CONTRIBUTING DRAINAGE AREA DATUM 58.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	374	496	217	1230	193	1470	832	164	46	229	743	183
2	381	350	194	1260	187	3190	660	145	35	241	746	315
3	413	270	179	1330	180	5220	529	156	30	220	534	402
4	318	229	168	1250	175	4660	427	162	120	231	591	371
5	232	210	190	1140	169	4860	358	160	221	232	724	271
6	190	357	302	1100	165	4780	327	146	181	290	736	366
7	152	591	392	1030	212	4670	331	124	158	415	711	709
8	132	745	426	902	250	7000	354	102	369	591	708	1350
9	166	869	349	778	269	6600	760	85	889	859	1580	3110
10	150	919	339	667	292	6000	2210	72	990	879	2340	2930
11	167	974	382	570	311	5310	4750	55	913	911	2830	2220
12	189	1030	434	476	325	4190	4630	43	767	776	3810	1720
13	191	1040	566	399	308	3280	3970	33	547	611	3610	1370
14	176	922	664	343	273	2630	3450	25	499	449	3100	1050
15	152	849	707	300	248	2210	2860	21	983	404	2640	757
16	138	819	740	270	251	1970	2330	27	2210	380	2160	504
17	126	834	708	249	317	1990	1850	29	2010	372	2430	335
18	105	860	643	230	352	2470	1420	38	2220	333	2490	237
19	88	874	593	216	373	3140	1050	234	2360	287	2000	179
20	75	824	577	205	364	3290	770	659	2620	207	2220	139
21	67	761	544	197	341	3860	567	756	3030	177	2260	109
22	82	747	507	193	382	6390	433	550	2910	182	1860	87
23	106	729	485	208	545	7620	333	440	2580	244	1540	84
24	154	667	514	217	639	6320	266	555	1920	505	1220	81
25	201	573	723	221	652	4590	234	546	1300	1360	889	70
26	242	472	960	222	593	3350	259	365	855	3380	598	58
27	340	389	1210	218	772	2620	268	240	555	3560	418	49
28	653	326	1240	214	1070	2090	249	173	381	2850	312	40
29	945	281	1230	226	---	1660	216	124	265	2130	254	31
30	948	248	1300	209	---	1310	185	93	196	1460	224	24
31	724	---	1190	199	---	1040	---	66	---	964	196	---
TOTAL	8377	19255	18673	16269	10208	119780	36878	6388	32160	25729	46474	19151
MEAN	270	642	602	525	365	3864	1229	206	1072	830	1499	638
MAX	948	1040	1300	1330	1070	7620	4750	756	3030	3560	3810	3110
MIN	67	210	168	193	165	1040	185	21	30	177	196	24
CFSM	0.42	0.99	0.93	0.81	0.56	5.98	1.90	0.32	1.66	1.28	2.32	0.99
IN.	0.48	1.11	1.08	0.94	0.59	6.90	2.12	0.37	1.85	1.48	2.68	1.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2003, BY WATER YEAR (WY)

MEAN	238	194	493	849	1058	1099	662	227	281	305	415	348
MAX	2148	1707	2853	4219	3773	3864	2791	2031	1344	1493	1630	2363
(WY)	1995	1998	1998	1987	1986	2003	1961	1979	1959	1964	1973	1953
MIN	0.025	0.15	0.39	11.0	15.7	53.4	19.9	0.30	0.39	0.078	0.23	0.057
(WY)	1955	2002	2002	1981	1957	1955	1967	1999	2000	2000	1988	1990

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1951 - 2003	
ANNUAL TOTAL	65511.41		359342			
ANNUAL MEAN	179		984		515	
HIGHEST ANNUAL MEAN					1222	1998
LOWEST ANNUAL MEAN					53.1	2002
HIGHEST DAILY MEAN	1300	Dec 30	7620	Mar 23	16800	Sep 28 1953
LOWEST DAILY MEAN	0.04	Aug 12	21	May 15	0.00	Oct 10 1954
ANNUAL SEVEN-DAY MINIMUM	0.12	Aug 6	31	May 12	0.00	Oct 10 1954
MAXIMUM PEAK FLOW			7850	Mar 23	17200	Sep 29 1953
MAXIMUM PEAK STAGE			11.82	Mar 23	14.50	Sep 29 1953
INSTANTANEOUS LOW FLOW					0.00	Oct 10 1954
ANNUAL RUNOFF (CFSM)	0.28		1.52		0.80	
ANNUAL RUNOFF (INCHES)	3.77		20.69		10.82	
10 PERCENT EXCEEDS	629		2720		1430	
50 PERCENT EXCEEDS	46		472		135	
90 PERCENT EXCEEDS	0.85		130		1.2	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 229
LATITUDE 312704 LONGITUDE 0820317 NAD27 DRAINAGE AREA 646.00* CONTRIBUTING DRAINAGE AREA DATUM 58.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.53	7.12	5.04	8.62	4.77	8.86	8.00	4.38	2.76	5.20	7.82	4.63
2	6.56	6.34	4.78	8.66	4.69	10.0	7.65	4.14	2.55	5.34	7.83	6.07
3	6.76	5.68	4.59	8.73	4.59	10.88	7.26	4.28	2.44	5.08	7.27	6.70
4	6.10	5.20	4.44	8.64	4.53	10.66	6.82	4.36	3.80	5.21	7.45	6.48
5	5.23	4.97	4.71	8.51	4.46	10.74	6.41	4.33	5.10	5.22	7.79	5.69
6	4.72	6.23	5.96	8.46	4.39	10.71	6.18	4.15	4.61	5.85	7.81	6.38
7	4.23	7.46	6.64	8.34	4.98	10.66	6.21	3.86	4.31	6.76	7.76	7.73
8	3.97	7.83	6.82	8.14	5.44	11.53	6.35	3.57	6.34	7.44	7.75	8.71
9	4.42	8.08	6.34	7.90	5.67	11.38	7.81	3.35	8.10	8.06	8.94	10.00
10	4.19	8.17	6.27	7.67	5.89	11.17	9.42	3.17	8.28	8.10	9.58	9.92
11	4.43	8.26	6.58	7.40	6.05	10.91	10.69	2.92	8.16	8.15	9.87	9.49
12	4.72	8.35	6.86	7.05	6.16	10.47	10.65	2.72	7.87	7.89	10.33	9.10
13	4.74	8.36	7.37	6.68	6.03	10.10	10.39	2.52	7.32	7.51	10.24	8.77
14	4.55	8.17	7.66	6.30	5.71	9.76	10.17	2.33	7.14	6.93	10.01	8.38
15	4.23	8.04	7.75	5.96	5.42	9.49	9.89	2.22	8.21	6.71	9.76	7.85
16	4.04	7.98	7.82	5.68	5.45	9.32	9.57	2.37	9.48	6.56	9.45	7.15
17	3.88	8.01	7.76	5.44	6.10	9.33	9.21	2.41	9.34	6.51	9.63	6.22
18	3.61	8.06	7.61	5.20	6.37	9.66	8.82	2.57	9.49	6.22	9.67	5.29
19	3.38	8.09	7.48	5.03	6.52	10.03	8.37	5.16	9.59	5.81	9.33	4.59
20	3.21	7.99	7.43	4.91	6.46	10.10	7.88	7.61	9.76	4.93	9.49	4.09
21	3.10	7.86	7.31	4.81	6.29	10.34	7.38	7.85	9.98	4.56	9.52	3.72
22	3.30	7.84	7.18	4.76	6.56	11.31	6.85	7.32	9.92	4.62	9.22	3.45
23	3.63	7.80	7.10	4.94	7.31	11.74	6.22	6.89	9.73	5.35	8.94	3.42
24	4.25	7.67	7.19	5.04	7.60	11.29	5.63	7.35	9.27	7.04	8.60	3.38
25	4.85	7.41	7.78	5.10	7.63	10.63	5.26	7.32	8.68	8.69	8.10	3.25
26	5.35	7.04	8.23	5.11	7.47	10.13	5.56	6.43	8.04	10.13	7.47	3.10
27	6.26	6.61	8.59	5.06	7.87	9.75	5.66	5.32	7.33	10.22	6.77	2.98
28	7.57	6.17	8.63	5.01	8.40	9.40	5.43	4.50	6.55	9.88	6.05	2.84
29	8.21	5.80	8.62	5.15	---	9.05	5.04	3.86	5.60	9.43	5.49	2.67
30	8.21	5.42	8.70	4.96	---	8.71	4.67	3.44	4.80	8.85	5.13	2.51
31	7.78	---	8.57	4.84	---	8.36	---	3.08	---	8.23	4.79	---
MEAN	5.03	7.27	7.03	6.39	6.03	10.21	7.51	4.38	7.15	6.98	8.32	5.82
MAX	8.21	8.36	8.70	8.73	8.40	11.74	10.69	7.85	9.98	10.22	10.33	10.00
MIN	3.10	4.97	4.44	4.76	4.39	8.36	4.67	2.22	2.44	4.56	4.79	2.51

SATILLA RIVER BASIN
2003 Water Year

02227990 SATILLA RIVER TRIBUTARY No. 2 AT ATKINSON, GA

LOCATION.—Lat 31°13'32", long 81°51'10" referenced to North American Datum (NAD) of 1927, Brantley County, Hydrologic Unit 03070201, on County Road 153, 0.3 miles north of Atkinson.

DRAINAGE AREA.—0.38 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1977 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 47.74 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

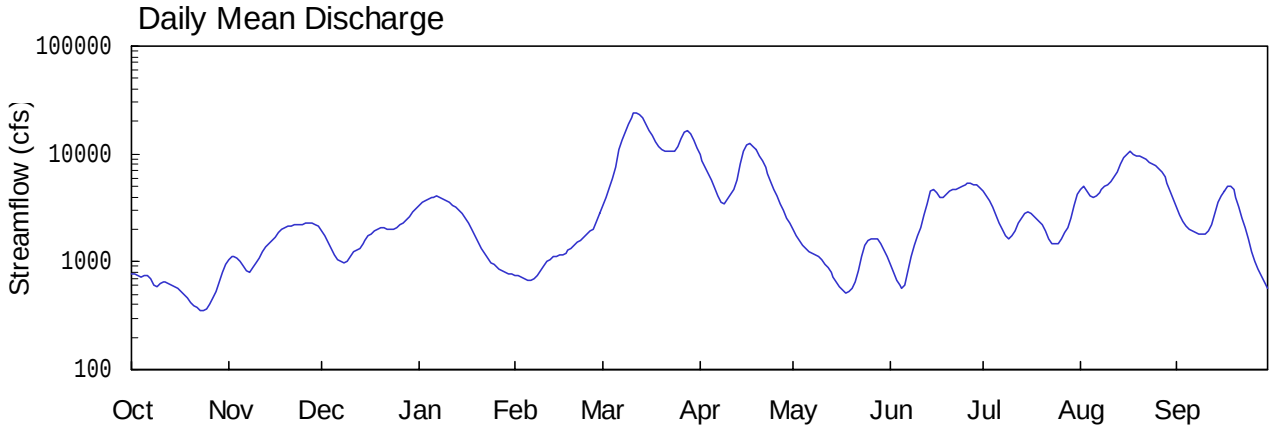
MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 2.63 feet, August 2, 1978
DISCHARGE: 93 cfs, August 2, 1978

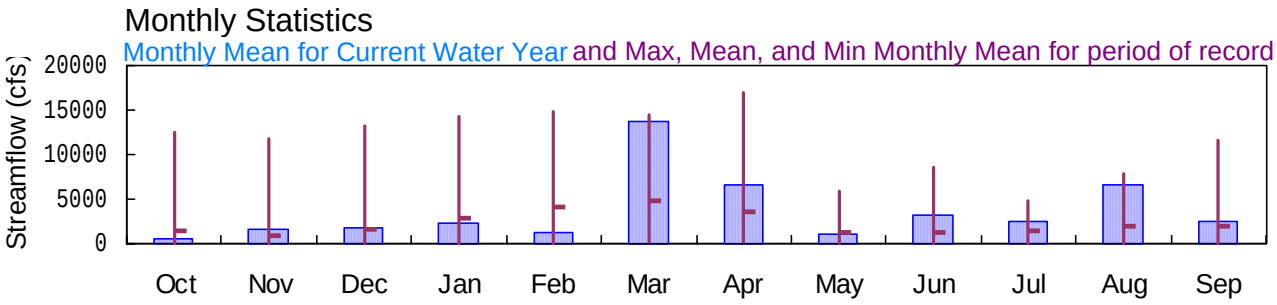
MAXIMUM FOR CURRENT YEAR.—
STAGE: <0.80 feet, August 15
DISCHARGE: <7.0 cfs, August 15

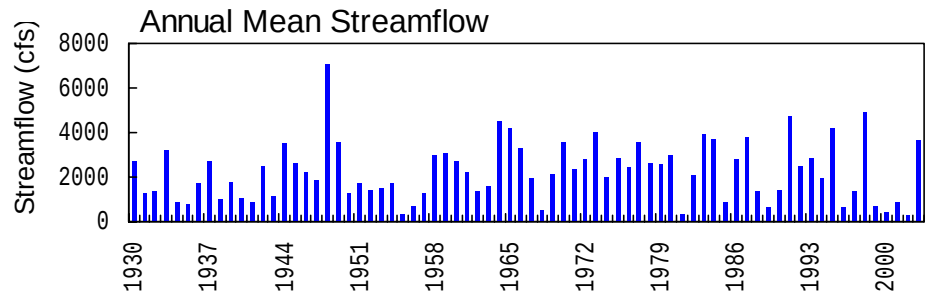
2003 Water Year

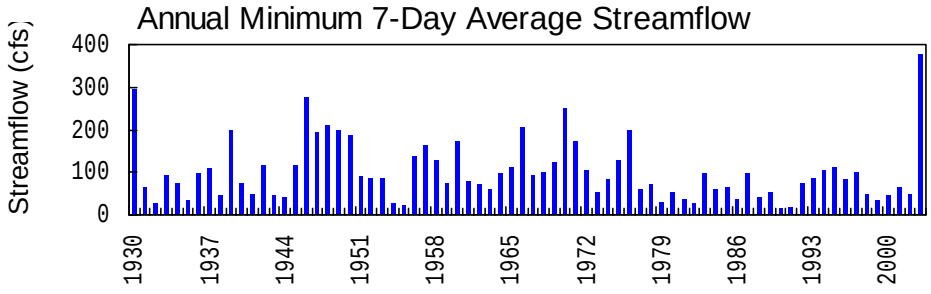
02228000 SATILLA RIVER AT ATKINSON, GA

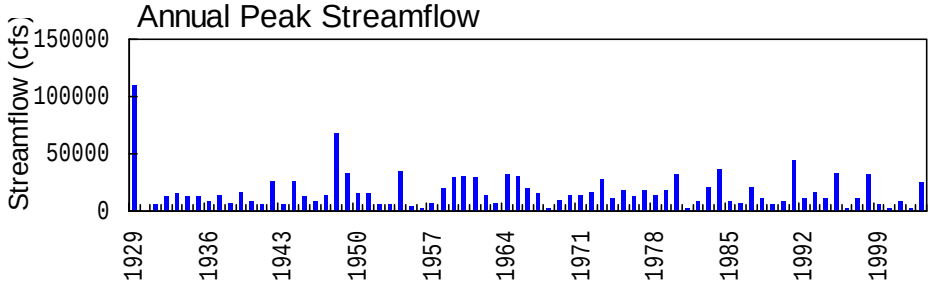
Latitude: 31°13'16" Longitude: 081°52'03" Hydrologic Unit Code: 03070201 Brantley County
Drainage Area: 2790. mi^2 Datum: 14.7 feet

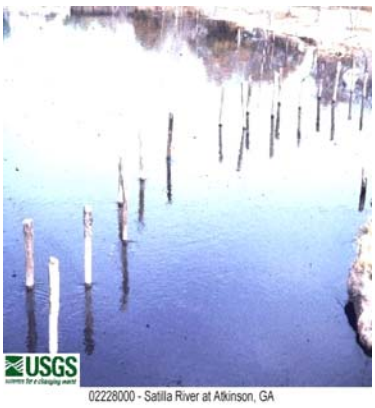












SATILLA RIVER BASIN
2003 Water Year

02228000 SATILLA RIVER AT ATKINSON, GA

LOCATION.—Lat 31°13'16", long 81°52'03" referenced to North American Datum (NAD) of 1927, Brantley County, Hydrologic Unit 03070201, on left bank piling 25.0 feet upstream from bridge on U.S. 82, 400.0 feet downstream from Seaboard Coast Line Railroad bridge, and 1.0 mile west of Atkinson.

DRAINAGE AREA.—2,790 square miles, approximately.

COOPERATION.—USGS National Streamflow Information Program (NSIP).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 1930 to current year. Monthly discharge only for March 1930, published in WSP 1304.

REVISED RECORDS.—WSP 1504: 1932. WSP 1624: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 14.79 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to December 6, 1933, and from November 21, 1961, to September 30, 1964, a non-recording gage was located at same site and datum.

REMARKS.—Records good, except for periods of estimated discharge, which are fair.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1862, 27.2 feet in September 1929, from information by Georgia Department of Transportation; discharge, 110,000 cfs.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 5,800 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
03/12	1100	24,500*	18.27*
03/28	0830	16,800	16.86
04/17	0430	12,500	15.86
08/17	0845	10,700	15.31

02228000 SATILLA RIVER AT ATKINSON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 1930 to current year. Monthly discharge only for March 1930, published in WSP 1304.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 14.79 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to December 6, 1933, and from November 21, 1961, to September 30, 1964, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 18.27 feet, March 12; minimum gage-height recorded, 3.84 feet, October 24.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 7, 2002 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02228000 SATILLA RIVER AT ATKINSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 025
LATITUDE 311316 LONGITUDE 0815203 NAD27 DRAINAGE AREA 2790.00* CONTRIBUTING DRAINAGE AREA DATUM 14.79 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	762	1050	1960	3380	750	3290	9840	1980	943	4510	4730	3250
2	767	1110	1750	3590	732	4000	8610	1740	787	4130	4920	2750
3	748	1130	1540	3740	716	4840	7540	1570	667	3700	4550	2390
4	724	1090	1320	3830	701	5840	6590	1420	604	3270	4110	2160
5	739	995	1160	3930	681	7520	5670	1310	565	2750	3940	2020
6	748	902	1060	4010	663	10800	4840	1250	616	2300	4060	1930
7	689	819	998	4040	698	13500	4090	1210	829	1970	4340	1860
8	614	810	985	3990	754	e15700	3550	1170	1120	1730	4650	1810
9	579	880	1020	3870	813	e18700	3400	1100	1440	1640	4940	1810
10	628	981	1130	3720	909	e21400	3780	1030	1760	1730	5190	1820
11	652	1100	1230	3540	995	23600	4210	958	2100	1960	5500	1910
12	639	1230	1270	3370	1060	24200	4700	881	2680	2260	6060	2200
13	626	1360	1340	3200	1100	23200	5670	799	3390	2540	6880	2790
14	614	1460	1450	3020	1130	21400	7950	722	4470	2760	7980	3530
15	594	1570	1580	2790	1150	19100	10700	654	4700	2880	9130	4110
16	563	1700	1720	2520	1160	16700	12100	595	4360	2800	9810	4590
17	524	1880	1830	2250	1210	14700	12400	545	3950	2650	10600	4980
18	487	2010	1930	1980	1270	13000	11900	505	3910	2510	10000	5030
19	456	2100	1990	1730	1340	11800	10900	531	4230	2380	9550	4630
20	423	2140	2040	1500	1420	11000	9700	558	4520	2180	9490	3930
21	389	2170	2040	1330	1500	10700	8610	649	4670	1910	9310	3190
22	377	2180	2010	1190	1590	10700	7570	837	4720	1640	8940	2550
23	354	2200	1970	1080	1710	10600	6560	1130	4800	1490	8440	2040
24	346	2210	1980	991	1810	10600	5540	1440	5000	1470	8030	1600
25	359	2240	2090	933	1900	11700	4680	1600	5230	1490	7720	1260
26	405	2270	2210	893	2030	13700	4030	1630	5370	1640	7330	1020
27	460	2290	2330	860	2370	15900	3470	1640	5370	1850	6780	854
28	532	2280	2460	830	2850	16600	2970	1610	5270	2080	6090	733
29	652	2220	2640	803	---	15400	2560	1480	5110	2510	5300	643
30	807	2120	2860	780	---	13300	2250	1300	4860	3270	4520	571
31	938	---	3090	764	---	11400	---	1120	---	4160	3840	---
TOTAL	18195	48497	54983	74454	35012	424890	196380	34964	98041	76160	206730	73961
MEAN	587	1617	1774	2402	1250	13710	6546	1128	3268	2457	6669	2465
MAX	938	2290	3090	4040	2850	24200	12400	1980	5370	4510	10600	5030
MIN	346	810	985	764	663	3290	2250	505	565	1470	3840	571
CFSM	0.21	0.58	0.64	0.86	0.45	4.91	2.35	0.40	1.17	0.88	2.39	0.88
IN.	0.24	0.65	0.73	0.99	0.47	5.67	2.62	0.47	1.31	1.02	2.76	0.99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2003, BY WATER YEAR (WY)

MEAN	1433	890	1681	2839	4160	4757	3554	1261	1186	1373	1939	1938
MAX	12540	11850	13130	14350	14790	14430	17000	5981	8496	4870	7917	11630
(WY)	1948	1948	1948	1987	1991	1959	1948	1979	1973	1963	1971	1949
MIN	25.9	24.9	38.6	63.2	79.6	262	172	66.7	40.2	31.0	43.6	25.4
(WY)	1955	1955	1932	1932	1932	1955	1938	1999	1935	1990	1954	1990

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1930 - 2003	
ANNUAL TOTAL	209093		1342267			
ANNUAL MEAN	573		3677		2237	
HIGHEST ANNUAL MEAN					7048	1948
LOWEST ANNUAL MEAN					262	2002
HIGHEST DAILY MEAN	3280	Mar 10	24200	Mar 12	67200	Apr 6 1948
LOWEST DAILY MEAN	46	Jan 1	346	Oct 24	15	Sep 26 1990
ANNUAL SEVEN-DAY MINIMUM	51	Aug 7	379	Oct 20	16	Sep 25 1990
MAXIMUM PEAK FLOW			24500	Mar 12	68100	Apr 6 1948
MAXIMUM PEAK STAGE			18.27	Mar 12	23.90	Apr 6 1948
INSTANTANEOUS LOW FLOW					15	Sep 26 1990
ANNUAL RUNOFF (CFSM)	0.21		1.32		0.80	
ANNUAL RUNOFF (INCHES)	2.79		17.90		10.89	
10 PERCENT EXCEEDS	1930		9610		6010	
50 PERCENT EXCEEDS	234		2090		835	
90 PERCENT EXCEEDS	67		675		106	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02228000 SATILLA RIVER AT ATKINSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 025
LATITUDE 311316 LONGITUDE 0815203 NAD27 DRAINAGE AREA 2790.00* CONTRIBUTING DRAINAGE AREA DATUM 14.79 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.72	6.92	9.45	11.32	6.42	11.22	15.02	9.49	7.11	12.30	12.46	11.18
2	5.73	7.17	9.08	11.53	6.35	11.89	14.54	9.06	6.56	12.00	12.60	10.62
3	5.66	7.25	8.62	11.66	6.28	12.54	14.06	8.73	6.07	11.63	12.33	10.15
4	5.56	7.11	8.11	11.75	6.22	13.18	13.59	8.41	5.80	11.20	11.99	9.79
5	5.62	6.72	7.68	11.83	6.13	14.04	13.08	8.16	5.62	10.62	11.85	9.56
6	5.66	6.30	7.44	11.90	6.05	15.32	12.53	8.00	5.84	10.01	11.95	9.41
7	5.41	5.93	7.27	11.93	6.20	16.12	11.97	7.89	6.71	9.47	12.17	9.28
8	5.09	5.90	7.25	11.89	6.43	---	11.48	7.78	7.64	9.03	12.40	9.19
9	4.94	6.20	7.38	11.78	6.66	---	11.34	7.61	8.45	8.86	12.61	9.18
10	5.15	6.65	7.68	11.64	7.00	---	11.70	7.40	9.09	9.04	12.78	9.20
11	5.25	7.13	7.94	11.48	7.29	18.11	12.07	7.16	9.68	9.44	12.98	9.36
12	5.20	7.59	8.06	11.31	7.49	18.22	12.44	6.90	10.53	9.95	13.31	9.85
13	5.14	8.03	8.23	11.13	7.61	18.05	13.07	6.60	11.32	10.36	13.74	10.66
14	5.09	8.35	8.48	10.93	7.69	17.73	14.24	6.30	12.27	10.64	14.26	11.46
15	5.00	8.63	8.75	10.67	7.74	17.31	15.29	6.01	12.44	10.78	14.75	11.98
16	4.86	8.95	9.01	10.33	7.76	16.84	15.75	5.76	12.18	10.68	15.02	12.36
17	4.69	9.30	9.23	9.93	7.90	16.39	15.83	5.53	11.85	10.51	15.27	12.64
18	4.52	9.54	9.39	9.49	8.05	16.00	15.68	5.35	11.81	10.33	15.09	12.67
19	4.37	9.68	9.51	9.04	8.23	15.64	15.37	5.47	12.09	10.12	14.92	12.39
20	4.22	9.76	9.58	8.59	8.42	15.40	14.97	5.59	12.30	9.81	14.90	11.83
21	4.06	9.80	9.58	8.19	8.59	15.31	14.54	5.99	12.42	9.36	14.82	11.12
22	4.00	9.82	9.54	7.85	8.76	15.31	14.08	6.74	12.45	8.86	14.68	10.36
23	3.89	9.84	9.47	7.54	9.00	15.27	13.58	7.67	12.51	8.57	14.47	9.58
24	3.85	9.87	9.48	7.27	9.18	15.27	13.00	8.45	12.65	8.53	14.29	8.79
25	3.91	9.91	9.67	7.08	9.35	15.64	12.43	8.78	12.81	8.56	14.15	8.02
26	4.13	9.95	9.86	6.94	9.56	16.16	11.92	8.84	12.90	8.86	13.96	7.35
27	4.39	9.99	10.05	6.83	10.11	16.67	11.41	8.87	12.90	9.25	13.69	6.82
28	4.73	9.97	10.25	6.72	10.74	16.81	10.88	8.81	12.83	9.65	13.32	6.39
29	5.25	9.88	10.50	6.62	---	16.55	10.39	8.55	12.73	10.32	12.85	6.03
30	5.89	9.72	10.75	6.53	---	16.08	9.93	8.13	12.56	11.20	12.30	5.75
31	6.46	---	11.02	6.47	---	15.54	---	7.64	---	12.02	11.75	---
MEAN	4.95	8.40	8.98	9.62	7.76	---	13.21	7.47	10.40	10.06	13.47	9.77
MAX	6.46	9.99	11.02	11.93	10.74	---	15.83	9.49	12.90	12.30	15.27	12.67
MIN	3.85	5.90	7.25	6.47	6.05	---	9.93	5.35	5.62	8.53	11.75	5.75

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02228000 SATILLA RIVER AT ATKINSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 025
LATITUDE 311316 LONGITUDE 0815203 NAD27 DRAINAGE AREA 2790.00* CONTRIBUTING DRAINAGE AREA DATUM 14.79 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	0.00	0.01	0.00	1.18	0.00	0.00	0.01	0.00	0.84	0.00
2	---	---	0.00	0.00	0.00	0.35	0.00	0.26	0.00	1.09	0.02	0.08
3	---	---	0.00	0.00	0.00	0.45	0.00	0.39	0.74	0.00	0.01	0.00
4	---	---	0.00	0.00	0.15	0.93	0.00	0.00	0.31	0.00	0.20	0.04
5	---	---	1.05	0.00	0.00	0.02	0.00	0.00	0.60	0.04	0.01	0.00
6	---	0.20	0.01	0.01	0.67	0.15	0.00	0.00	1.33	0.00	0.18	0.00
7	---	0.00	0.00	0.00	0.29	1.08	0.52	0.00	1.64	0.00	0.58	0.00
8	---	0.00	0.00	0.00	0.00	0.05	1.00	0.00	0.28	0.00	0.14	0.01
9	---	0.00	0.74	0.00	0.51	2.63	1.49	0.00	0.00	0.00	0.20	0.00
10	---	0.03	0.61	0.00	0.06	0.03	0.27	0.00	0.00	0.00	0.04	0.00
11	---	0.00	0.03	0.00	0.00	0.00	0.00	0.03	0.20	0.00	0.08	0.00
12	---	1.54	0.17	0.01	0.00	0.01	0.00	0.00	0.16	0.44	0.04	0.00
13	---	0.10	0.39	0.02	0.00	0.23	0.00	0.00	3.48	0.04	0.00	0.00
14	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.90	0.02	0.00
15	---	0.00	0.00	0.00	0.00	0.10	0.00	0.22	0.00	0.01	0.31	0.00
16	---	1.17	0.00	0.00	1.08	0.00	0.01	0.19	0.25	0.27	2.32	0.00
17	---	0.10	0.01	0.01	0.02	1.14	0.01	0.00	1.35	0.02	0.22	0.00
18	---	0.00	0.01	0.00	0.00	0.01	0.00	1.36	0.78	0.00	0.11	0.00
19	---	0.00	0.03	0.00	0.01	0.10	0.01	0.91	0.01	0.47	1.64	0.00
20	---	0.00	0.32	0.00	0.01	0.08	0.00	0.01	0.11	0.00	0.00	0.00
21	---	0.40	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.55	0.00
22	---	0.00	0.00	0.18	1.21	0.00	0.00	0.78	0.00	0.46	0.00	0.00
23	---	0.00	0.01	0.03	0.00	0.00	0.00	0.01	0.00	1.11	0.00	0.62
24	---	0.00	1.41	0.00	0.01	0.00	0.00	0.06	0.00	0.07	0.00	0.00
25	---	0.00	0.00	0.00	0.00	0.01	1.11	0.00	0.00	1.66	0.01	0.00
26	---	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	1.35	0.01	0.13
27	---	0.00	0.01	0.00	2.14	0.36	0.00	0.06	0.00	0.03	0.00	0.00
28	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
29	---	0.00	0.00	0.00	---	0.01	0.00	0.00	0.07	0.00	0.00	0.00
30	---	0.00	0.00	0.00	---	0.21	0.01	0.00	0.00	0.00	0.00	0.00
31	---	---	0.95	0.00	---	0.00	---	0.00	---	0.01	0.01	---
TOTAL	---	---	5.75	0.27	6.47	9.15	4.43	4.28	11.67	7.97	7.54	0.88

ST MARYS RIVER BASIN
2003 Water Year

02228500 NORTH PRONG ST. MARYS RIVER AT MONIAC, GA

LOCATION.—Lat 30°31'03", long 82°13'50" referenced to North American Datum (NAD) of 1927, Iin NW ¼ Section 8, T. 1 N., R. 21 E., Baker County, FL, Hydrologic Unit 03070204, near right bank at downstream side of bridge on FL 2 and GA 94, 0.2 miles upstream from Georgia Southern & Florida Railway Bridge, 0.4 miles west of Moniac, 1.0 mile downstream from Moccasin Creek, and 122.0 miles upstream from mouth of St. Marys River.

DRAINAGE AREA.—160 square miles, approximately; includes part of watershed in Okefenokee Swamp, which is indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 1921 to December 1923 (published at St Marys River at Moniac), January 1927 to June 1930, July 1932 to June 1934, October 1950 to September 1989, October 1989 to July, 1990 (discharge measurements only), August, 1990 to current year.

REVISED RECORDS.—WSP 1234: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is 89.40 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to June 30, 1934, a non-recording gage was located at site 800 feet downstream at datum 3.22 feet higher. From October 3, 1950 to October 17, 1988, a water-stage recorder, and from October 17, 1988 to August 10, 1990, a non-recording gage was located at present site and datum.

REMARKS.—Records fair, except for periods of estimated discharge, which are poor. This station is operated by the USGS, Florida District. For more information, please check http://fl.water.usgs.gov.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02228500 NORTH PRONG ST. MARYS RIVER AT MONIAC, GA. SOURCE AGENCY USGS STATE 12 COUNTY 003
LATITUDE 303103 LONGITUDE 0821350 NAD27 DRAINAGE AREA 160.00* CONTRIBUTING DRAINAGE AREA DATUM

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	17	30	e300	e85	656	231	51	41	45	57	51
2	10	15	29	e400	e80	1230	197	47	37	41	75	46
3	9.1	13	e25	e550	e72	1430	172	46	35	39	145	45
4	7.7	12	e20	e625	e65	1480	155	45	68	38	156	44
5	6.7	11	e21	e575	e62	1580	140	41	95	43	143	44
6	5.9	11	e25	e525	e60	1490	126	37	92	48	124	45
7	5.3	10	e32	e460	e65	1380	113	34	84	50	109	44
8	6.0	9.9	e35	e420	e75	1460	106	31	149	45	119	42
9	23	9.4	e30	e375	e85	1550	170	28	400	40	122	39
10	30	9.1	e45	e330	e120	1800	260	25	411	36	135	36
11	32	8.8	e72	e300	124	1690	267	22	331	32	155	33
12	29	16	e100	e260	117	1470	241	19	272	29	130	30
13	26	41	e125	e240	108	1430	206	16	271	26	103	28
14	24	53	e130	e220	100	1770	174	14	252	35	83	25
15	23	46	e150	e190	92	1650	151	12	207	96	69	23
16	24	44	e130	e180	104	1460	133	11	167	113	68	21
17	22	66	e110	e165	206	1310	118	12	137	94	281	18
18	19	84	e100	e150	254	1350	105	14	169	76	340	16
19	17	78	e90	e140	234	1270	93	58	407	70	294	14
20	15	70	e80	e135	209	1090	84	184	466	60	264	13
21	14	66	e80	e130	187	936	75	197	440	51	250	12
22	13	67	e75	e135	184	793	68	170	409	46	310	11
23	12	62	e72	e140	243	671	60	154	349	68	443	10
24	12	54	e70	e135	255	578	53	144	274	87	467	10
25	13	48	e100	e125	231	503	53	121	194	108	345	9.2
26	14	44	e200	e120	207	444	71	101	136	93	258	13
27	13	41	e225	e115	316	398	72	84	98	74	181	14
28	12	38	e200	e110	570	357	66	71	74	61	130	12
29	11	35	e175	e108	---	323	61	61	61	54	97	10
30	16	32	e160	e105	---	292	55	52	52	56	75	8.3
31	19	---	e150	e100	---	267	---	46	---	58	62	---
TOTAL	494.7	1111.2	2886	7863	4510	34108	3876	1948	6178	1812	5590	766.5
MEAN	16.0	37.0	93.1	254	161	1100	129	62.8	206	58.5	180	25.6
MAX	32	84	225	625	570	1800	267	197	466	113	467	51
MIN	5.3	8.8	20	100	60	267	53	11	35	26	57	8.3
CFSM	0.10	0.23	0.58	1.59	1.01	6.88	0.81	0.39	1.29	0.37	1.13	0.16
IN.	0.12	0.26	0.67	1.83	1.05	7.93	0.90	0.45	1.44	0.42	1.30	0.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2003, BY WATER YEAR (WY)

MEAN	142	53.2	90.3	169	229	250	187	66.8	84.7	111	173	189
MAX	914	520	498	583	1427	1203	2238	540	775	802	726	1592
(WY)	1951	1970	1977	1986	1998	1959	1973	1964	1957	1928	1971	1928
MIN	0.003	0.000	0.13	0.19	0.21	0.40	0.20	0.20	0.040	0.000	0.006	0.023
(WY)	1955	1955	1955	1934	1934	1955	1934	2002	1954	1954	1954	1954

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1921 - 2003	
ANNUAL TOTAL	9962.53		71143.4			
ANNUAL MEAN	27.3		195		145	
HIGHEST ANNUAL MEAN					377	1973
LOWEST ANNUAL MEAN					15.8	2002
HIGHEST DAILY MEAN	503	Mar 4	1800	Mar 10	11400	Apr 5 1973
LOWEST DAILY MEAN	0.00	May 21	5.3	Oct 7	0.00	Jun 16 1921
ANNUAL SEVEN-DAY MINIMUM	0.00	May 21	7.2	Oct 2	0.00	Jun 16 1921
MAXIMUM PEAK FLOW			1820	Mar 10	11600	Apr 5 1973
MAXIMUM PEAK STAGE			14.10	Mar 10	22.98	Apr 5 1973
INSTANTANEOUS LOW FLOW			4.7	Oct 8		
ANNUAL RUNOFF (CFSM)	0.17		1.22		0.91	
ANNUAL RUNOFF (INCHES)	2.32		16.54		12.33	
10 PERCENT EXCEEDS	72		428		390	
50 PERCENT EXCEEDS	9.9		80		45	
90 PERCENT EXCEEDS	0.00		13		1.4	

e Estimated

ST MARYS RIVER BASIN
2003 Water Year

02231000 ST. MARYS RIVER NEAR MACCLENNY, FL

LOCATION.—Lat 30°21'31", long 82°04'54" referenced to North American Datum (NAD) of 1927, in NW ¼, Section 2, T. 2 S., R. 22 E., Baker County, FL, Hydrologic Unit 03070204, on right bank 200.0 feet downstream from site of former Stokes Bridge, 1.0 mile downstream from confluence of North and South Prongs, 6.0 miles northeast of Macclenny, and 100.0 miles upstream from mouth.

DRAINAGE AREA.—700 square miles, approximately; includes part of watershed in Okefenokee Swamp, which is indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1926 to current year.

REVISED RECORDS.—WSP 1082: 1928(M), 1945(M). WSP 1142: 1928, 1945. WSP 1434: 1927. WSP 1905: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 40.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Mees and Mees). Prior to February 21, 1939, a non-recording gage, and from February 21, 1939 to August 15, 1948, a water-stage recorder was located at the site of a former bridge 200.00 feet upstream at same datum.

REMARKS.—Records fair. This station is operated by the USGS, Florida District. For more information, please check http://fl.water.usgs.gov.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02231000 ST. MARYS RIVER NR MACCLENNY, FLA. STREAM SOURCE AGENCY USGS STATE 12 COUNTY 003
LATITUDE 302131 LONGITUDE 0820454 NAD27 DRAINAGE AREA 700.00* CONTRIBUTING DRAINAGE AREA DATUM

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	91	242	1320	205	2500	884	224	124	385	455	536
2	95	87	216	1830	195	6650	791	204	112	353	444	497
3	87	83	197	1990	186	9720	709	188	116	336	744	485
4	79	77	180	1890	179	9230	640	176	256	374	1260	515
5	72	70	168	1730	177	8400	578	166	595	458	1360	511
6	66	66	174	1530	177	7530	526	153	696	810	1170	440
7	60	63	216	1320	249	6730	479	140	769	891	1030	388
8	58	62	221	1130	465	6290	445	128	852	604	1170	357
9	306	59	214	972	535	6790	492	117	1210	418	1550	336
10	629	56	355	846	589	10700	681	107	1390	318	1560	312
11	425	53	772	743	679	10500	779	98	1240	265	1340	284
12	327	55	934	660	681	9240	736	89	993	246	1130	256
13	267	84	951	595	620	7700	652	82	866	263	952	231
14	219	154	1100	538	557	6660	569	76	989	306	790	208
15	190	196	1170	490	501	6030	499	65	992	738	661	188
16	182	244	1060	449	506	5500	445	60	833	852	600	170
17	172	904	904	413	1130	4940	403	70	724	734	788	155
18	155	1350	782	382	1760	4510	369	59	648	602	1340	140
19	137	1180	688	355	1830	4360	338	73	1380	528	1340	128
20	121	967	620	330	1710	4010	309	679	1990	480	1090	118
21	107	834	573	309	1550	3570	283	1040	2050	397	898	109
22	96	756	533	294	1410	3070	261	832	1940	339	1120	102
23	89	698	485	295	1550	2580	241	607	1730	374	1900	98
24	82	626	480	291	1730	2200	220	473	1460	429	2650	96
25	78	553	969	285	1630	1910	210	392	1170	581	2680	96
26	75	482	1580	278	1440	1640	287	323	896	679	2120	108
27	71	419	1690	266	1410	1420	349	266	689	602	1650	154
28	68	362	1560	251	1880	1250	316	222	543	528	1270	164
29	64	313	1380	236	---	1110	282	187	458	453	989	146
30	70	274	1200	224	---	1000	250	160	406	350	775	127
31	86	---	1040	214	---	958	---	139	---	387	632	---
TOTAL	4638	11218	22654	22456	25531	158698	14023	7595	28117	15080	37458	7455
MEAN	150	374	731	724	912	5119	467	245	937	486	1208	248
MAX	629	1350	1690	1990	1880	10700	884	1040	2050	891	2680	536
MIN	58	53	168	214	177	958	210	59	112	246	444	96
MED	95	220	688	449	650	4940	445	160	859	429	1130	179
CFSM	0.21	0.53	1.04	1.03	1.30	7.31	0.67	0.35	1.34	0.69	1.73	0.35
IN.	0.25	0.60	1.20	1.19	1.36	8.43	0.75	0.40	1.49	0.80	1.99	0.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2003, BY WATER YEAR (WY)

MEAN	793	269	371	606	853	996	735	306	352	572	902	986
MAX	6240	4155	2470	2404	5940	5119	6564	3303	2642	2183	3296	6340
(WY)	1948	1948	1948	1942	1998	2003	1973	1964	1957	1928	1945	1964
MIN	22.7	15.9	18.0	21.7	20.2	44.7	25.7	20.4	18.8	31.3	24.9	21.4
(WY)	1932	1932	1932	1932	1934	1932	1935	1932	1935	1954	1954	1990

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1927 - 2003	
ANNUAL TOTAL	83250.3		354923			
ANNUAL MEAN	228		972		644	
HIGHEST ANNUAL MEAN					2285	1948
LOWEST ANNUAL MEAN					90.1	1955
HIGHEST DAILY MEAN	2440	Mar 5	10700	Mar 10	27600	Sep 25 1947
LOWEST DAILY MEAN	9.6	Jun 17	53	Nov 11	9.6	Jun 17 2002
ANNUAL SEVEN-DAY MINIMUM	11	Jun 13	59	Nov 6	11	Jun 13 2002
MAXIMUM PEAK FLOW			11100	Mar 10	28100	Sep 25 1947
MAXIMUM PEAK STAGE			18.33	Mar 10	23.25	Sep 13 1964
INSTANTANEOUS LOW FLOW			52	Nov 11	9.5	Jun 17 2002
ANNUAL RUNOFF (CFSM)	0.33		1.39		0.92	
ANNUAL RUNOFF (INCHES)	4.42		18.86		12.51	
10 PERCENT EXCEEDS	627		1830		1600	
50 PERCENT EXCEEDS	101		485		218	
90 PERCENT EXCEEDS	21		93		37	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02231000 ST. MARYS RIVER NR MACCLENNY, FLA. STREAM SOURCE AGENCY USGS STATE 12 COUNTY 003
LATITUDE 302131 LONGITUDE 0820454 NAD27 DRAINAGE AREA 700.00* CONTRIBUTING DRAINAGE AREA DATUM

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.36	2.20	3.56	8.62	3.52	11.67	7.75	4.00	3.02	5.19	5.63	5.78
2	2.24	2.15	3.34	10.15	3.43	15.76	7.34	3.83	2.88	4.97	5.56	5.56
3	2.15	2.10	3.17	10.57	3.35	17.67	6.96	3.67	2.92	4.86	7.07	5.49
4	2.05	2.02	3.01	10.31	3.28	17.42	6.63	3.56	4.19	5.12	9.10	5.66
5	1.96	1.94	2.90	9.86	3.26	16.96	6.31	3.47	6.39	5.63	9.40	5.64
6	1.88	1.88	2.96	9.32	3.26	16.46	6.03	3.34	6.90	7.41	8.82	5.22
7	1.79	1.84	3.34	8.73	3.88	15.95	5.76	3.19	7.25	7.77	8.35	4.90
8	1.77	1.83	3.39	8.14	5.37	15.66	5.56	3.06	7.61	6.44	8.80	4.70
9	3.99	1.78	3.33	7.63	5.78	15.98	5.84	2.94	8.95	5.40	9.95	4.55
10	6.01	1.74	4.36	7.17	6.07	18.13	6.82	2.83	9.50	4.73	9.96	4.38
11	4.96	1.71	6.63	6.78	6.51	18.06	7.29	2.72	9.05	4.34	9.34	4.17
12	4.36	1.73	7.30	6.42	6.52	17.46	7.09	2.62	8.19	4.18	8.70	3.96
13	3.90	2.11	7.36	6.09	6.23	16.65	6.69	2.53	7.67	4.32	8.03	3.75
14	3.49	2.87	7.92	5.79	5.89	16.05	6.26	2.45	8.18	4.63	7.34	3.54
15	3.23	3.28	8.16	5.52	5.59	15.64	5.88	2.31	8.19	7.07	6.73	3.36
16	3.15	3.67	7.75	5.28	5.61	15.29	5.56	2.24	7.53	7.61	6.42	3.19
17	3.05	7.11	7.18	5.06	8.12	14.87	5.30	2.38	7.04	7.08	7.25	3.04
18	2.88	8.72	6.69	4.86	9.94	14.53	5.08	2.23	6.67	6.43	9.29	2.89
19	2.71	8.17	6.29	4.68	10.15	14.41	4.87	2.40	9.37	6.04	9.25	2.76
20	2.54	7.42	5.97	4.51	9.81	14.08	4.67	6.68	11.09	5.77	8.41	2.65
21	2.38	6.91	5.72	4.36	9.40	13.59	4.48	8.37	11.26	5.27	7.63	2.56
22	2.26	6.58	5.51	4.25	9.00	12.98	4.31	7.52	10.97	4.89	8.41	2.48
23	2.17	6.33	5.24	4.26	9.40	12.33	4.14	6.46	10.41	5.12	10.69	2.43
24	2.09	6.00	5.20	4.23	9.87	11.62	3.97	5.73	9.69	5.46	12.28	2.42
25	2.03	5.62	7.38	4.18	9.61	10.88	3.88	5.23	8.80	6.32	12.32	2.41
26	2.00	5.22	9.43	4.13	9.09	10.17	4.50	4.77	7.79	6.82	11.23	2.55
27	1.95	4.83	9.74	4.04	8.99	9.56	4.95	4.34	6.87	6.44	9.99	3.03
28	1.91	4.46	9.37	3.91	10.29	9.06	4.72	3.98	6.12	6.04	8.89	3.13
29	1.85	4.12	8.84	3.79	---	8.62	4.47	3.67	5.64	5.61	7.87	2.95
30	1.93	3.82	8.23	3.69	---	8.24	4.22	3.41	5.33	4.95	6.96	2.76
31	2.14	---	7.69	3.60	---	8.06	---	3.19	---	5.19	6.28	---
MEAN	2.68	4.01	6.03	6.13	6.83	13.99	5.58	3.84	7.52	5.71	8.58	3.73
MAX	6.01	8.72	9.74	10.57	10.29	18.13	7.75	8.37	11.26	7.77	12.32	5.78
MIN	1.77	1.71	2.90	3.60	3.26	8.06	3.88	2.23	2.88	4.18	5.56	2.41

CAL YR 2002 MEAN 2.97 MAX 11.70 MIN 0.96
WTR YR 2003 MEAN 6.23 MAX 18.13 MIN 1.71

SUWANNEE RIVER BASIN
2003 Water Year

02314495 SUWANNEE RIVER ABOVE FARGO, GA

LOCATION.—Lat. 30°42' 27", long. 82°32'21" referenced to North American Datum (NAD) of 1927, Clinch County, Hydrologic Unit 03110201, 4.0 miles upstream from Suwannoochee Creek, and 12.0 miles downstream from Mixons Ferry damsite, 2.0 miles upstream of base gage.

DRAINAGE AREA.—1,260 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 14, 1960 to October 26, 1970, November 5, 1971 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 91.90 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good. Low flow at times affected by manipulation of water level at Mixons Ferry Dam. This gage is the auxiliary for the station 02314500 Suwannee River at Fargo.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 16.06 feet, March 19, 20; minimum gage-height recorded, 3.29 feet, October 8.

PRECIPITATION RECORDS

PERIOD OF RECORD.—June 6, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02314495 SUWANNEE RIVER ABOVE FARGO, GA SOURCE AGENCY USGS STATE 13 COUNTY 065
LATITUDE 304227 LONGITUDE 0823221 NAD83 DRAINAGE AREA 1260.00* CONTRIBUTING DRAINAGE AREA DATUM 91.90 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.43	3.97	4.90	8.13	6.19	11.31	13.85	10.95	9.93	10.37	6.32	11.89
2	3.43	3.93	4.83	8.40	6.13	12.12	13.62	10.84	9.25	9.96	6.42	11.77
3	3.43	3.90	4.76	8.58	6.06	12.70	13.40	10.74	8.66	9.58	6.46	11.65
4	3.42	3.87	4.71	8.65	---	13.11	13.18	10.58	8.82	9.36	6.56	11.55
5	3.41	3.84	4.78	8.68	---	13.43	12.97	10.38	8.98	9.26	6.74	11.37
6	3.38	3.88	5.51	8.69	6.00	13.65	12.76	10.12	9.21	9.18	6.98	11.26
7	3.34	3.86	5.72	8.67	6.18	13.87	12.58	9.82	9.43	9.05	7.15	11.39
8	3.32	3.82	5.63	8.63	6.50	14.16	12.44	9.48	9.81	8.90	7.33	11.49
9	3.52	3.78	5.63	8.54	6.57	14.46	12.46	9.12	10.48	8.77	7.50	11.40
10	3.77	3.74	5.95	8.44	6.73	14.88	12.46	8.73	11.15	---	7.74	11.23
11	3.76	3.71	6.45	8.32	6.86	15.19	12.46	8.33	11.71	8.39	---	11.00
12	3.77	3.78	6.58	8.18	6.87	15.40	12.43	7.92	12.08	8.17	---	10.75
13	3.77	4.22	6.70	8.04	6.84	15.51	12.37	7.53	12.34	7.89	---	10.46
14	3.78	4.43	6.99	7.90	6.80	15.64	12.30	7.15	12.49	7.68	---	10.09
15	3.87	4.35	7.13	7.77	6.75	15.73	12.21	6.81	12.60	7.51	---	9.68
16	4.02	4.40	7.16	7.63	6.83	15.78	12.11	6.54	12.57	7.34	---	9.25
17	4.05	4.78	7.16	7.51	7.36	15.83	12.00	6.44	12.54	7.18	---	8.80
18	4.04	4.97	7.14	7.39	7.63	15.96	11.87	6.54	12.52	6.99	---	8.36
19	4.06	4.96	7.10	7.27	7.64	16.02	11.76	7.61	12.49	6.75	---	7.93
20	4.08	5.03	7.08	7.16	7.60	16.02	11.64	9.23	12.49	6.51	---	7.55
21	4.09	5.17	7.08	7.07	7.57	15.97	11.53	10.43	12.52	6.30	---	7.25
22	4.09	5.40	7.03	6.99	7.83	15.88	11.44	11.45	12.51	6.15	---	6.98
23	4.07	5.43	6.95	6.91	8.86	15.77	11.36	11.90	12.46	6.06	---	6.76
24	4.06	5.35	6.97	6.80	9.28	15.61	11.27	12.02	12.33	6.11	---	6.58
25	4.08	5.29	7.42	6.69	9.47	15.41	11.21	12.00	12.16	6.21	---	6.48
26	4.08	5.23	7.85	6.60	9.52	15.20	11.17	11.90	11.95	6.17	---	6.79
27	4.07	5.17	8.00	6.53	10.10	14.97	11.12	11.73	11.70	6.50	12.14	6.82
28	4.04	5.10	8.03	6.45	10.78	14.75	11.09	11.52	11.43	6.96	12.15	6.56
29	4.01	5.03	8.01	6.38	---	14.52	11.05	11.26	11.12	6.73	12.12	6.31
30	4.01	4.96	7.97	6.31	---	14.31	11.01	10.93	10.76	6.48	12.08	6.10
31	4.01	---	7.92	6.25	---	14.09	---	10.50	---	6.37	12.00	---
MEAN	3.81	4.51	6.62	7.60	---	14.75	12.10	9.69	11.28	---	---	9.18
MAX	4.09	5.43	8.03	8.69	---	16.02	13.85	12.02	12.60	---	---	11.89
MIN	3.32	3.71	4.71	6.25	---	11.31	11.01	6.44	8.66	---	---	6.10

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02314495 SUWANNEE RIVER ABOVE FARGO, GA SOURCE AGENCY USGS STATE 13 COUNTY 065
LATITUDE 304227 LONGITUDE 0823221 NAD83 DRAINAGE AREA 1260.00* CONTRIBUTING DRAINAGE AREA DATUM 91.90 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.04	0.00	0.00	0.01	0.00	2.10	0.00	0.00	0.00	0.00	0.68	0.00
2	0.00	0.00	0.00	0.01	0.00	0.09	0.00	0.00	0.00	0.04	0.04	0.00
3	0.00	0.01	0.00	0.01	0.00	0.31	0.00	0.38	1.54	0.15	0.00	0.77
4	0.00	0.00	0.00	0.00	0.17	0.58	0.00	0.00	0.64	0.30	0.01	0.01
5	0.00	0.00	1.16	0.00	0.00	0.03	0.00	0.00	0.18	0.26	0.04	0.01
6	0.00	0.75	0.01	0.00	0.50	0.00	0.00	0.00	0.20	0.00	0.79	0.00
7	0.00	0.00	0.00	0.00	0.24	1.11	0.00	0.00	e0.65	0.00	0.23	0.00
8	0.54	0.00	0.00	0.00	0.00	0.01	1.20	0.00	0.85	0.00	0.00	0.00
9	0.00	0.00	0.76	0.00	0.42	1.25	0.23	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.25	0.00	0.10	0.01	0.08	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.03	0.00	---	0.00
12	0.00	1.68	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.20	---	0.14
13	0.00	0.01	0.43	0.01	0.00	0.30	0.00	0.00	0.00	0.01	---	0.00
14	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.02	---	0.00
15	0.16	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.01	0.00	---	0.00
16	0.00	0.95	0.00	0.00	1.18	0.00	0.00	0.00	0.00	0.00	---	0.00
17	0.00	0.04	0.00	0.01	0.00	0.81	0.00	0.00	1.13	0.18	---	0.00
18	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.76	0.06	0.00	---	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.04	---	0.00
20	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.30	0.01	---	0.00
21	0.02	0.45	0.00	0.00	0.01	0.00	0.03	0.00	0.09	0.01	---	0.54
22	0.00	0.00	0.00	0.04	1.81	0.00	0.00	0.62	0.00	0.01	---	0.01
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	---	0.24
24	0.09	0.00	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.23	---	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.04	---	0.79
26	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.01	---	0.23
27	0.00	0.00	0.00	0.00	2.02	0.04	0.00	0.00	0.16	0.00	0.02	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	1.06	0.00	0.00
29	0.37	0.00	0.00	0.00	---	0.00	0.00	0.00	0.07	0.22	0.03	0.00
30	0.10	0.00	0.00	0.00	---	0.18	0.00	0.00	0.00	0.16	0.00	0.00
31	0.00	---	1.16	0.00	---	0.03	---	0.00	---	0.45	0.00	---
TOTAL	1.37	3.90	5.77	0.10	6.70	6.87	2.03	2.91	6.61	3.83	---	2.74

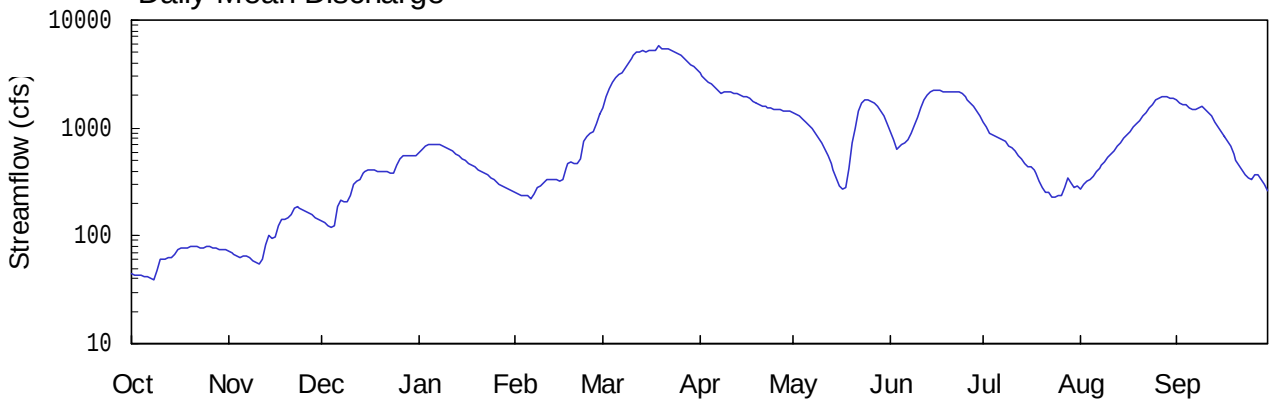
e Estimated

2003 Water Year

02314500 SUWANNEE RIVER AT FARGO, GA

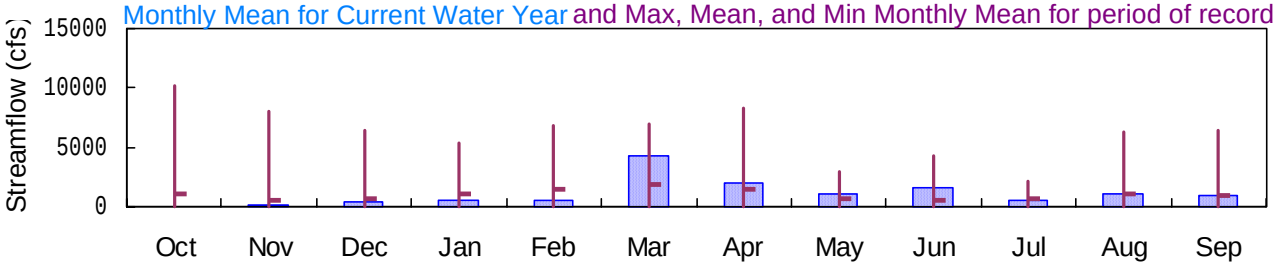
Latitude: 30°40'50" Longitude: 082°33'38" Hydrologic Unit Code: 03110201 Clinch County
Drainage Area: 126 mi² Datum: 91.9 feet

Daily Mean Discharge

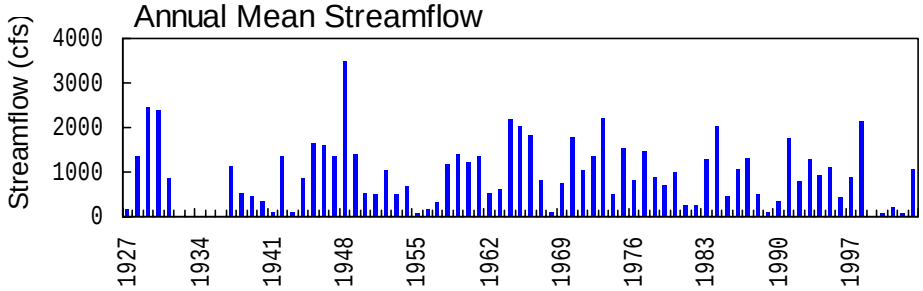


Monthly Statistics

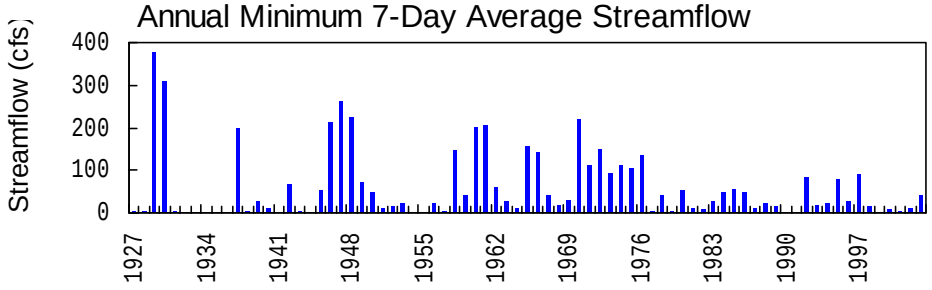
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



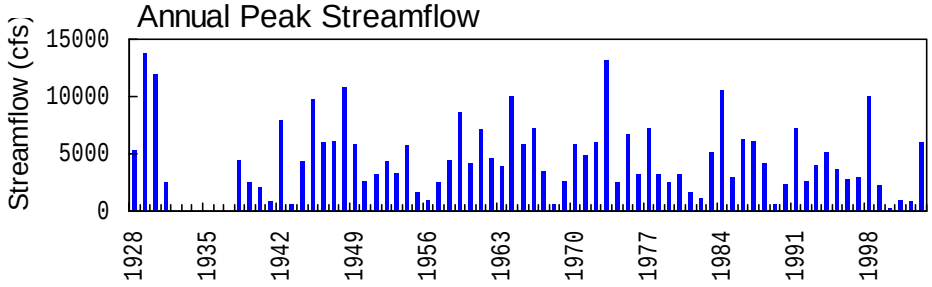
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



SUWANNEE RIVER BASIN
2003 Water Year

02314500 SUWANNEE RIVER AT FARGO, GA

LOCATION.—Lat 30°40'50", long 82°33'38" referenced to North American Datum (NAD) of 1983, Clinch County, Hydrologic Unit, 03110201, on downstream side of right bank pier of bridge on US 441 at Fargo, 4.0 miles upstream from Suwannoochee Creek, and 12.0 miles downstream from Mixons Ferry dam site.

DRAINAGE AREA.—1,260 square miles, approximately, includes part of watershed in Okefenokee Swamp, which is indeterminate.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 1921 to September 1923 (gage-heights only), January 1927 to December 1931, April 1937 to current year. Monthly discharge only for April 1937, published in WSP 1304.

REVISED RECORDS.—WSP 1234: Drainage area. WSP 1504: 1928-30.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 91.90 feet above National Geodetic Vertical Datum (NGVD) of 1929. From January 27, 1921 to September 30, 1923, a non-recording gage was located at site 1,200 feet upstream at datum 3.00 feet higher. From January 27, 1927 to December 31, 1931 and from April 20, 1937 to June 10, 1938, a non-recording gage was located at site 1,000 feet upstream at datum 1.00 feet higher. From June 11, 1938 to November 26, 1952, a non-recording gage was located at site 1,000 feet upstream at present datum. From October 14, 1960 to October 29, 1970, an auxiliary water-stage recorder was located at a site about 3.0 miles upstream, and since November 5, 1971, an auxiliary water-stage recorder was located at a site about 2.0 miles upstream.

REMARKS.—Records good, except for period from March 4 to September 30, which is fair. Low flow at times affected by manipulation of water level at Mixons Ferry Dam.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/20	0130	6,010*	14.71*

No other peaks above base discharge

02314500 SUWANNEE RIVER AT FARGO, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—January 1921 to September 1923 (gage-heights only), January 1927 to December 1931, April 1937 to current year. Monthly discharge only for April 1937, published in WSP 1304.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 91.90 feet above National Geodetic Vertical Datum (NGVD) of 1929. From January 27, 1921 to September 30, 1923, a non-recording gage was located at site 1,200 feet upstream at datum 3.00 feet higher. From January 27, 1927 to December 31, 1931 and from April 20, 1937 to June 10, 1938, a non-recording gage was located at site 1,000 feet upstream at datum 1.00 feet higher. From June 11, 1938 to November 26, 1952, a non-recording gage was located at site 1,000 feet upstream at present datum. From October 14, 1960 to October 29, 1970, an auxiliary water-stage recorder was located at a site about 3.0 miles upstream, and since November 5, 1971, an auxiliary water-stage recorder was located at a site about 2.0 miles upstream.

REMARKS.—Records good, except for period from March 4 to September 30, which is fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 15.51 feet, March 20; minimum gage-height recorded, 1.45 feet, October 8.

PRECIPITATION RECORDS

PERIOD OF RECORD.—June 21, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02314500 SUWANNEE RIVER AT FARGO, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 065
LATITUDE 304050 LONGITUDE 0823338 NAD83 DRAINAGE AREA 1260 CONTRIBUTING DRAINAGE AREA 1260* DATUM 91.90 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	72	138	590	252	1540	3220	1400	939	1140	273	1790
2	43	69	132	640	243	1950	3040	1350	775	1020	302	1720
3	43	67	126	679	233	2330	2870	1300	646	907	318	1670
4	43	65	121	697	e240	2660	2690	1230	674	858	334	1630
5	42	63	125	706	e238	2920	2520	1140	701	846	360	1560
6	42	65	185	710	222	3110	2360	1070	739	802	400	1480
7	41	64	215	707	242	3300	2230	976	788	769	426	1480
8	40	62	206	699	283	3600	2120	890	894	744	446	1550
9	47	59	206	682	295	3950	2140	803	1050	691	480	1570
10	61	57	237	659	315	4440	2160	717	1260	658	533	1500
11	61	55	299	634	337	4800	2160	635	1560	609	e573	1410
12	61	60	321	607	338	4980	2130	555	1810	551	e614	1280
13	62	83	338	579	335	5140	2090	473	2010	513	e674	1140
14	62	101	378	552	330	5150	2050	404	2140	465	e729	1040
15	67	96	400	525	324	5080	1980	341	2230	440	e802	927
16	74	99	406	500	336	5270	1920	292	2220	433	e871	836
17	77	123	408	475	419	5280	1860	268	2210	405	e939	744
18	77	142	405	452	471	5320	1790	280	2200	377	e1030	669
19	78	141	399	430	477	5710	1730	420	2170	322	e1100	577
20	79	146	396	411	472	5450	1670	725	2160	283	e1190	505
21	80	158	396	393	465	5410	1620	1000	2190	255	e1290	453
22	79	179	391	378	518	5330	1580	1440	2190	251	e1400	409
23	77	186	380	364	743	5220	1540	1700	2150	227	e1520	372
24	77	178	386	347	847	5040	1520	1840	2070	230	e1650	344
25	78	172	448	330	892	4880	1490	1840	1970	239	e1800	328
26	79	166	521	315	908	4680	1480	1790	1840	233	e1920	368
27	78	161	551	303	1100	4420	1460	1700	1710	276	1950	371
28	76	155	559	291	1340	4180	1450	1600	1580	340	1960	334
29	75	148	560	281	---	3910	1440	1460	1460	311	1940	296
30	75	143	553	271	---	3680	1420	1300	1310	278	1910	264
31	74	---	547	261	---	3460	---	1110	---	287	1860	---
TOTAL	1992	3335	10733	15468	13215	132190	59730	32049	47646	15760	31594	28617
MEAN	64.3	111	346	499	472	4264	1991	1034	1588	508	1019	954
MAX	80	186	560	710	1340	5710	3220	1840	2230	1140	1960	1790
MIN	40	55	121	261	222	1540	1420	268	646	227	273	264
CFSM	0.05	0.09	0.27	0.40	0.37	3.38	1.58	0.82	1.26	0.40	0.81	0.76
IN.	0.06	0.10	0.32	0.46	0.39	3.90	1.76	0.95	1.41	0.47	0.93	0.84

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2003, BY WATER YEAR (WY)

MEAN	1067	575	657	1049	1476	1861	1532	634	478	623	1045	988
MAX	10150	8066	6426	5345	6771	6933	8330	2952	4258	2180	6278	6471
(WY)	1929	1948	1977	1942	1998	1998	1973	1928	1973	1946	1945	1964
MIN	0.12	0.13	0.24	3.04	4.28	6.10	12.7	7.13	4.33	1.82	0.20	0.43
(WY)	1955	1932	1955	1955	1957	1955	1955	1955	1955	1954	1954	1954

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1927 - 2003	
ANNUAL TOTAL	43591.8		392329			
ANNUAL MEAN	119		1075		1006	
HIGHEST ANNUAL MEAN					3512	1948
LOWEST ANNUAL MEAN					59.8	1955
HIGHEST DAILY MEAN	870	Mar 10	5710	Mar 19	13800	Oct 1 1928
LOWEST DAILY MEAN	7.4	Jul 7	40	Oct 8	0.00	Dec 5 1931
ANNUAL SEVEN-DAY MINIMUM	11	Jul 3	42	Oct 2	0.00	Oct 28 1943
MAXIMUM PEAK FLOW			6010	Mar 20	13800	Oct 1 1928
MAXIMUM PEAK STAGE			15.51	Mar 20	21.01	Apr 9 1973
INSTANTANEOUS LOW FLOW			41	Oct 8	0.00	Dec 5 1931
ANNUAL RUNOFF (CFSM)	0.095		0.85		0.80	
ANNUAL RUNOFF (INCHES)	1.29		11.58		10.85	
10 PERCENT EXCEEDS	395		2230		2630	
50 PERCENT EXCEEDS	51		577		428	
90 PERCENT EXCEEDS	16		78		32	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02314500 SUWANNEE RIVER AT FARGO, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 065
LATITUDE 304050 LONGITUDE 0823338 NAD83 DRAINAGE AREA 1260 CONTRIBUTING DRAINAGE AREA 1260* DATUM 91.90 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.53	1.83	2.52	5.63	3.71	9.49	12.66	9.03	7.36	8.16	3.86	10.01
2	1.52	1.80	2.46	5.89	3.64	10.40	12.31	8.80	6.66	7.69	4.07	9.85
3	1.52	1.78	2.40	6.09	3.57	11.08	12.02	8.68	6.05	7.24	4.17	9.80
4	1.52	1.75	2.35	6.18	---	11.60	11.80	8.45	6.19	7.03	4.27	9.80
5	1.51	1.73	2.39	6.23	---	11.98	11.56	8.17	6.32	6.97	4.44	9.55
6	1.50	1.76	2.96	6.25	3.51	12.24	11.42	7.88	6.50	6.77	4.68	9.21
7	1.49	1.75	3.21	6.24	3.67	12.50	11.21	7.51	6.72	6.63	4.85	9.20
8	1.47	1.72	3.14	6.20	3.98	12.81	11.08	7.15	7.17	6.51	4.97	9.39
9	1.56	1.70	3.14	6.12	4.06	13.14	11.08	6.78	7.83	6.27	5.15	9.59
10	1.71	1.68	3.38	6.01	4.21	13.60	11.02	6.39	8.54	6.12	5.45	9.38
11	1.71	1.65	3.85	5.89	4.35	13.95	10.99	6.00	9.43	5.87	5.72	9.00
12	1.71	1.70	4.00	5.75	4.36	14.23	10.99	5.61	10.02	5.59	6.20	8.59
13	1.72	1.95	4.12	5.61	4.34	14.32	10.94	5.18	10.39	5.38	6.61	8.16
14	1.73	2.14	4.38	5.46	4.31	14.55	10.87	4.77	10.59	5.12	6.86	7.74
15	1.78	2.08	4.53	5.32	4.27	14.73	10.79	4.38	10.78	4.98	7.12	7.26
16	1.86	2.12	4.56	5.19	4.35	14.70	10.71	4.04	10.78	4.94	7.31	6.85
17	1.88	2.38	4.57	5.06	4.86	14.74	10.55	3.86	10.77	4.78	7.56	6.41
18	1.88	2.57	4.56	4.93	5.16	14.95	10.44	3.96	10.83	4.61	7.77	6.04
19	1.89	2.56	4.52	4.81	5.18	14.88	10.32	4.84	10.70	4.25	7.91	5.56
20	1.90	2.61	4.50	4.70	5.16	14.98	10.19	6.43	10.65	3.97	8.33	5.17
21	1.91	2.72	4.50	4.60	5.12	14.93	10.06	7.62	10.75	3.77	8.62	4.85
22	1.90	2.91	4.47	4.51	5.40	14.84	9.91	9.08	10.73	3.73	9.00	4.58
23	1.88	2.96	4.40	4.43	6.51	14.71	9.79	9.79	10.68	3.55	9.37	4.34
24	1.88	2.90	4.43	4.32	6.97	14.54	9.61	10.08	10.56	3.57	9.69	4.16
25	1.89	2.84	4.82	4.21	7.16	14.33	9.53	10.11	10.46	3.65	9.99	4.05
26	1.90	2.79	5.25	4.12	7.23	14.08	9.47	10.01	10.20	3.60	10.22	4.32
27	1.89	2.75	5.42	4.04	8.04	13.84	9.40	9.83	10.00	3.92	10.36	4.34
28	1.88	2.69	5.46	3.97	8.89	13.58	9.26	9.55	9.65	4.37	10.35	4.09
29	1.86	2.63	5.46	3.90	---	13.35	9.24	9.13	9.27	4.17	10.37	3.83
30	1.86	2.57	5.43	3.83	---	13.13	9.11	8.66	8.72	3.92	10.30	3.60
31	1.85	---	5.39	3.77	---	12.89	---	8.03	---	3.97	10.16	---
MEAN	1.74	2.23	4.08	5.14	---	13.52	10.61	7.41	9.18	5.20	7.28	6.96
MAX	1.91	2.96	5.46	6.25	---	14.98	12.66	10.11	10.83	8.16	10.37	10.01
MIN	1.47	1.65	2.35	3.77	---	9.49	9.11	3.86	6.05	3.55	3.86	3.60

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02314500 SUWANNEE RIVER AT FARGO, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 065
LATITUDE 304050 LONGITUDE 0823338 NAD83 DRAINAGE AREA 1260 CONTRIBUTING DRAINAGE AREA 1260* DATUM 91.90 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

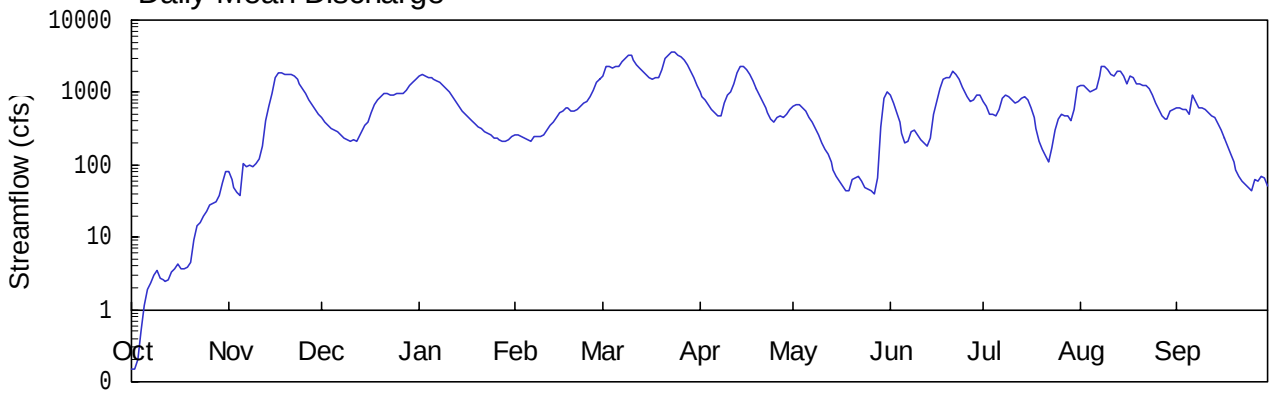
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.04	0.00	0.00	0.03	0.00	2.44	0.00	0.00	0.00	0.01	0.50	0.02
2	0.00	0.00	0.00	0.04	0.00	0.21	0.00	0.02	0.00	0.07	0.08	0.00
3	0.00	0.01	0.00	0.00	0.00	0.34	0.45	0.05	1.90	0.25	0.00	1.05
4	0.00	0.00	0.00	0.00	---	0.68	0.55	0.02	0.55	0.38	0.06	0.01
5	0.00	0.01	1.31	0.00	---	0.05	0.00	0.04	0.22	0.56	0.06	0.06
6	0.25	0.57	0.00	0.00	0.66	0.00	1.86	0.00	0.07	0.01	0.49	0.00
7	0.00	0.00	0.00	0.00	0.29	1.40	0.11	0.00	0.76	0.01	0.71	0.00
8	0.72	0.00	0.00	0.00	0.00	0.16	0.08	0.00	1.54	0.00	0.01	0.00
9	0.00	0.00	0.59	0.00	0.47	1.51	0.30	0.00	0.00	0.00	0.18	0.00
10	0.00	0.00	---	0.00	0.07	0.00	0.02	0.00	0.00	0.08	0.03	0.00
11	0.01	0.00	---	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.02	0.16
12	0.00	2.12	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
13	0.04	0.01	0.37	0.02	0.00	0.25	0.20	0.00	0.00	0.00	0.02	0.00
14	0.22	0.00	0.00	0.00	0.00	0.00	0.05	0.00	2.03	0.01	0.01	0.00
15	0.64	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.02	0.12	0.00
16	0.00	1.26	0.00	0.00	1.34	0.08	0.01	0.02	0.00	0.00	0.03	0.00
17	0.00	0.05	0.00	0.01	0.00	1.73	0.56	0.00	1.26	0.01	0.05	0.00
18	0.00	0.00	0.00	0.00	0.00	0.08	0.15	1.04	0.09	0.01	0.06	0.00
19	0.00	0.00	0.00	0.00	0.00	0.02	0.02	1.90	0.01	0.06	0.07	0.00
20	0.00	0.00	0.29	0.00	0.00	0.00	0.45	0.00	0.13	1.16	0.00	0.00
21	0.02	0.61	0.00	0.00	0.01	0.01	0.03	0.00	0.02	0.11	0.19	0.00
22	0.01	0.00	0.00	0.09	1.94	0.19	0.00	0.40	0.00	0.01	0.01	0.01
23	0.00	0.00	0.00	0.01	0.00	0.09	0.00	0.00	0.00	0.42	0.00	0.31
24	0.29	0.00	1.96	0.00	0.00	0.00	0.00	0.00	0.01	0.51	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	1.39	0.03	0.00	0.00	0.25	0.00	1.50
26	0.00	0.00	0.00	0.00	0.30	0.12	0.00	0.00	0.00	0.47	0.01	0.15
27	0.00	0.00	0.00	0.00	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.11	0.12	0.00	0.00
29	0.41	0.00	0.00	0.00	---	0.10	0.01	0.00	0.10	0.27	0.07	0.00
30	0.15	0.00	0.00	0.00	---	0.26	0.03	0.00	0.01	0.09	0.33	0.00
31	0.00	---	1.26	0.00	---	0.14	---	0.00	---	1.24	0.02	---
TOTAL	2.80	4.64	---	0.20	---	11.49	4.95	3.49	8.81	6.15	3.13	3.27

2003 Water Year

02316000 ALAPAHA RIVER NEAR ALAPAHA, GA

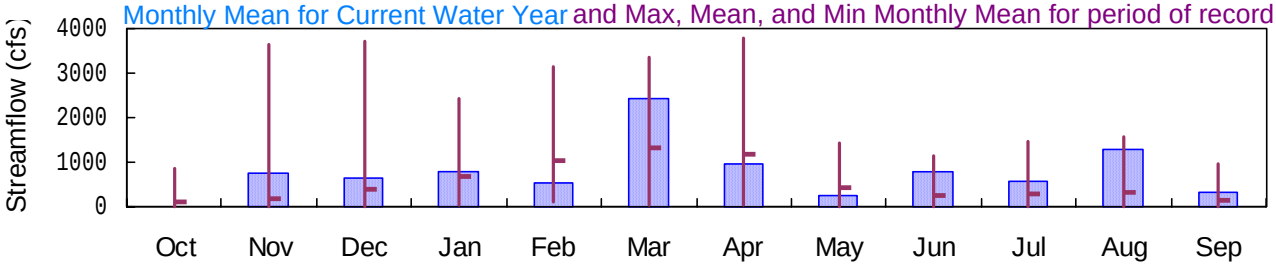
Latitude: 31°23'03" Longitude: 083°11'33" Hydrologic Unit Code: 03110202 Berrien County
Drainage Area: 663.0 mi^2 Datum: 208.3 feet

Daily Mean Discharge

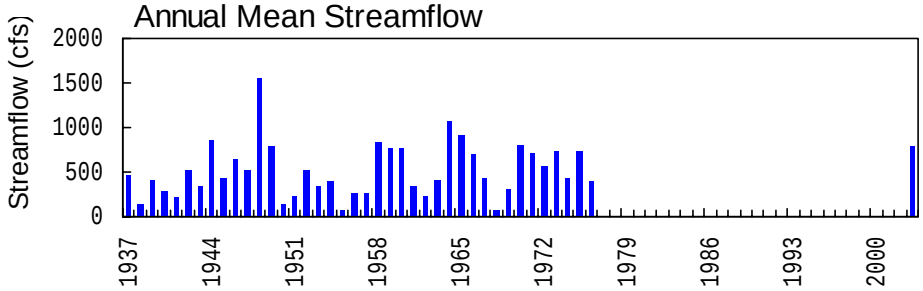


Monthly Statistics

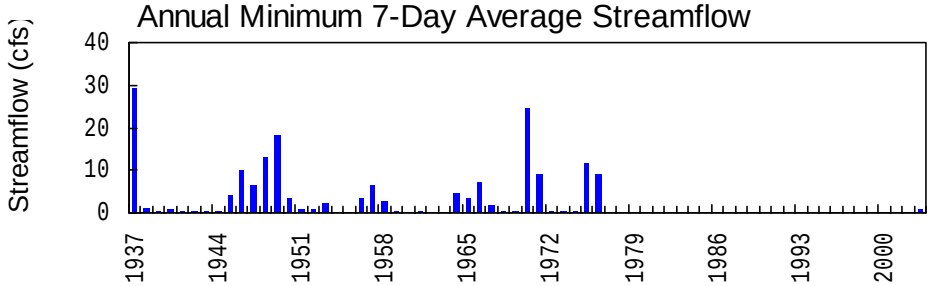
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



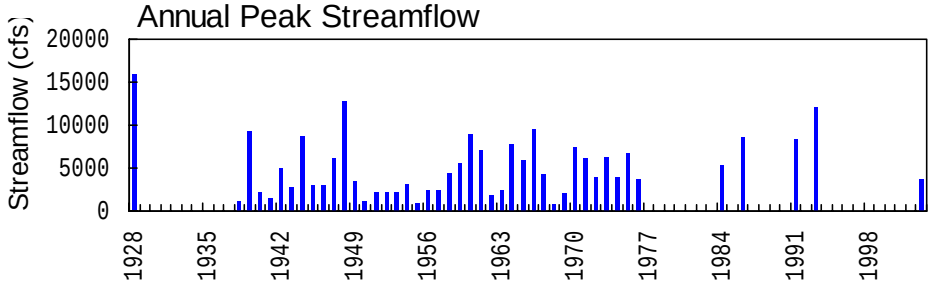
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

SUWANNEE RIVER BASIN
2003 Water Year

02316000 ALAPAHA RIVER NEAR ALAPAHA, GA

LOCATION.—Lat 31°23'03", long 83°11'33" referenced to North American Datum (NAD) of 1927, Berrien County, Hydrologic Unit 03110202, near right bank on downstream side of bridge on GA 50, 2.0 miles east of Alapaha, and 6.0 miles upstream from the confluence with the Willacoochee River.

DRAINAGE AREA.—663 square miles.

COOPERATION.—Suwannee River Water Management District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1936 to September 1976, September 4, 2002 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.—WSP 872: 1937. WSP 1002: 1939(M). WSP 1624: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 208.34 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to September 8, 1943, a non-recording gage was installed, and from September 8, 1943 to September 30, 1975, a recording gage was installed at the same site at a datum that was 1.00 foot higher.

REMARKS.—Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1900, 19.0 feet at present datum, in April 1928, from information by Georgia Department of Transportation; discharge, 16,000 cfs.

02316000 ALAPAHA RIVER NEAR ALAPAHA, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1936 to September 1976, September 4, 2002 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.—WSP 872: 1937. WSP 1002: 1939(M). WSP 1624: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 208.34 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to September 8, 1943, a non-recording gage was installed, and from September 8, 1943 to September 30, 1975, a recording gage was installed at the same site at a datum that was 1.00 foot higher.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.59 feet, March 23; minimum gage-height recorded, 0.65 feet, October 1, 2.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 1, 2002 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02316000 ALAPAHA RIVER NEAR ALAPAHA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 019
LATITUDE 312303 LONGITUDE 0831133 NAD27 DRAINAGE AREA 663.00 CONTRIBUTING DRAINAGE AREA 663.00* DATUM 208.34 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.15	81	444	1740	265	1680	1030	644	919	740	1230	629
2	0.15	61	387	1770	265	2280	882	665	712	634	1260	602
3	0.20	48	343	1670	247	2330	776	675	516	497	1130	593
4	0.51	41	314	1620	231	2240	674	630	382	491	1040	572
5	1.2	38	297	1620	222	2260	583	549	275	483	1070	511
6	1.9	103	280	1550	213	2320	517	460	202	588	1150	919
7	2.4	96	258	1460	242	2660	467	385	215	851	1730	740
8	3.1	101	237	1360	253	2910	474	318	287	939	2300	613
9	3.4	96	221	1250	250	3220	703	255	302	880	2290	615
10	2.7	102	216	1140	261	3210	910	205	256	804	2040	584
11	2.5	123	221	1020	307	2840	1030	168	220	724	1750	525
12	2.4	177	213	893	349	2460	1330	138	197	738	1700	488
13	2.5	407	260	765	387	2170	1900	108	177	852	2010	445
14	3.4	657	319	649	455	1950	2310	85	235	879	1980	374
15	3.7	984	344	559	530	1790	2350	70	496	776	1670	297
16	4.3	1640	390	493	567	1620	2110	59	756	606	1320	231
17	3.7	1870	529	443	621	1530	1780	50	1130	445	1690	180
18	3.7	1840	686	402	614	1590	1440	44	1540	317	1570	142
19	3.8	1770	777	367	556	1590	1140	44	1650	215	1320	109
20	4.4	1780	873	335	550	2050	937	63	1610	165	1310	86
21	9.0	1810	953	311	597	2960	768	67	1930	131	1260	70
22	14	1700	978	292	654	3310	630	68	1830	108	1250	58
23	16	1500	933	276	709	3660	520	58	1520	170	1120	53
24	19	1280	924	254	765	3600	436	49	1190	298	913	49
25	22	1110	978	239	880	3340	392	46	977	437	711	45
26	28	953	982	231	1100	3140	445	43	861	491	573	64
27	29	807	978	222	1410	2850	468	40	755	477	484	60
28	30	683	1090	214	1510	2420	456	66	801	469	426	68
29	37	585	1230	212	---	1980	508	335	945	415	430	65
30	56	510	1380	218	---	1590	588	820	900	586	542	52
31	82	---	1550	241	---	1260	---	1020	---	1180	579	---
TOTAL	392.11	22953	19585	23816	15010	74810	28554	8227	23786	17386	39848	9839
MEAN	12.6	765	632	768	536	2413	952	265	793	561	1285	328
MAX	82	1870	1550	1770	1510	3660	2350	1020	1930	1180	2300	919
MIN	0.15	38	213	212	213	1260	392	40	177	108	426	45
CFSM	0.02	1.15	0.95	1.16	0.81	3.64	1.44	0.40	1.20	0.85	1.94	0.49
IN.	0.02	1.29	1.10	1.34	0.84	4.20	1.60	0.46	1.33	0.98	2.24	0.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2003, BY WATER YEAR (WY)

MEAN	104	183	387	677	1041	1328	1190	419	240	296	306	160
MAX	851	3629	3726	2438	3128	3340	3799	1419	1129	1450	1562	954
(WY)	1954	1948	1948	1967	1965	1948	1944	1976	1959	1963	1970	1969
MIN	0.000	0.009	1.48	18.6	91.2	36.4	44.8	11.1	1.02	0.62	0.42	0.000
(WY)	1955	1955	1961	1955	1950	1955	1968	1954	1954	1954	1954	1954

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 1937 - 2003	
ANNUAL TOTAL	284206.11			
ANNUAL MEAN	779		523	
HIGHEST ANNUAL MEAN			1554	1948
LOWEST ANNUAL MEAN			71.4	1968
HIGHEST DAILY MEAN	3660	Mar 23	12400	Apr 4 1948
LOWEST DAILY MEAN	0.15	Oct 1	0.00	Jul 23 1954
ANNUAL SEVEN-DAY MINIMUM	0.93	Oct 1	0.00	Sep 1 1954
MAXIMUM PEAK FLOW	3730	Mar 23	3730	Mar 23 2003
MAXIMUM PEAK STAGE	13.59	Mar 23	13.59	Mar 23 2003
INSTANTANEOUS LOW FLOW	0.14	Oct 1	0.14	Oct 1 2002
ANNUAL RUNOFF (CFSM)	1.17		0.79	
ANNUAL RUNOFF (INCHES)	15.95		10.72	
10 PERCENT EXCEEDS	1820		1530	
50 PERCENT EXCEEDS	550		141	
90 PERCENT EXCEEDS	46		3.2	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02316000 ALAPAHA RIVER NEAR ALAPAHA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 019
LATITUDE 312303 LONGITUDE 0831133 NAD27 DRAINAGE AREA 663.00 CONTRIBUTING DRAINAGE AREA 663.00* DATUM 208.34 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.66	4.08	7.36	11.28	6.12	11.17	9.77	8.11	9.31	8.56	10.32	8.03
2	0.66	3.72	7.00	11.33	6.12	12.08	9.28	8.21	8.42	8.05	10.39	7.88
3	0.71	3.43	6.70	11.17	5.97	12.15	8.90	8.26	7.38	7.26	10.04	7.83
4	0.90	3.26	6.49	11.09	5.83	12.03	8.50	8.03	6.47	7.23	9.76	7.71
5	1.13	3.17	6.36	11.08	5.75	12.06	8.09	7.58	5.56	7.18	9.87	7.34
6	1.30	4.38	6.24	10.97	5.67	12.14	7.76	7.03	4.83	7.78	10.09	9.31
7	1.39	4.32	6.06	10.79	5.92	12.56	7.50	6.49	4.98	9.03	11.25	8.55
8	1.49	4.39	5.88	10.60	6.02	12.82	7.53	5.94	5.67	9.39	12.11	7.94
9	1.53	4.32	5.75	10.38	5.99	13.13	8.61	5.38	5.81	9.16	12.10	7.95
10	1.44	4.41	5.70	10.08	6.08	13.11	9.38	4.87	5.39	8.84	11.75	7.78
11	1.41	4.69	5.74	9.73	6.44	12.75	9.76	4.43	5.03	8.49	11.30	7.44
12	1.40	5.29	5.67	9.32	6.74	12.31	10.52	4.05	4.78	8.55	11.22	7.21
13	1.42	7.09	6.07	8.86	7.00	11.94	11.53	3.70	4.55	9.05	11.71	6.93
14	1.53	8.42	6.53	8.39	7.42	11.62	12.13	3.40	5.16	9.16	11.65	6.40
15	1.57	9.58	6.71	7.97	7.83	11.37	12.19	3.18	7.22	8.72	11.17	5.76
16	1.64	11.11	7.02	7.63	8.01	11.09	11.86	2.99	8.63	7.89	10.51	5.14
17	1.57	11.50	7.81	7.36	8.27	10.92	11.34	2.83	10.03	6.92	11.19	4.58
18	1.57	11.45	8.55	7.10	8.23	11.04	10.75	2.71	10.94	5.93	10.99	4.10
19	1.58	11.34	8.91	6.87	7.96	11.03	10.08	2.70	11.14	4.97	10.52	3.71
20	1.65	11.35	9.25	6.65	7.93	11.71	9.38	3.06	11.07	4.40	10.50	3.41
21	2.02	11.39	9.52	6.47	8.16	12.87	8.68	3.14	11.59	3.96	10.39	3.17
22	2.33	11.23	9.60	6.33	8.42	13.21	8.02	3.15	11.42	3.70	10.37	2.98
23	2.42	10.86	9.46	6.20	8.64	13.53	7.41	2.98	10.89	4.45	10.00	2.89
24	2.56	10.44	9.43	6.03	8.86	13.47	6.87	2.80	10.20	5.75	9.28	2.80
25	2.69	10.00	9.60	5.90	9.28	13.24	6.55	2.74	9.53	6.87	8.42	2.72
26	2.89	9.52	9.61	5.83	9.95	13.05	6.93	2.69	9.08	7.23	7.72	3.07
27	2.91	9.02	9.60	5.75	10.70	12.76	7.08	2.61	8.63	7.15	7.18	3.02
28	2.96	8.54	9.93	5.68	10.89	12.27	7.01	3.05	8.83	7.09	6.80	3.15
29	3.16	8.10	10.33	5.66	---	11.65	7.33	5.99	9.41	6.72	6.82	3.10
30	3.61	7.72	10.65	5.72	---	11.02	7.80	8.88	9.24	7.65	7.54	2.87
31	4.09	---	10.96	5.92	---	10.38	---	9.68	---	10.18	7.75	---
MEAN	1.88	7.60	7.89	8.20	7.51	12.14	8.95	4.86	8.04	7.33	10.02	5.49
MAX	4.09	11.50	10.96	11.33	10.89	13.53	12.19	9.68	11.59	10.18	12.11	9.31
MIN	0.66	3.17	5.67	5.66	5.67	10.38	6.55	2.61	4.55	3.70	6.80	2.72

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02316000 ALAPAHA RIVER NEAR ALAPAHA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 019
LATITUDE 312303 LONGITUDE 0831133 NAD27 DRAINAGE AREA 663.00 CONTRIBUTING DRAINAGE AREA 663.00* DATUM 208.34 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

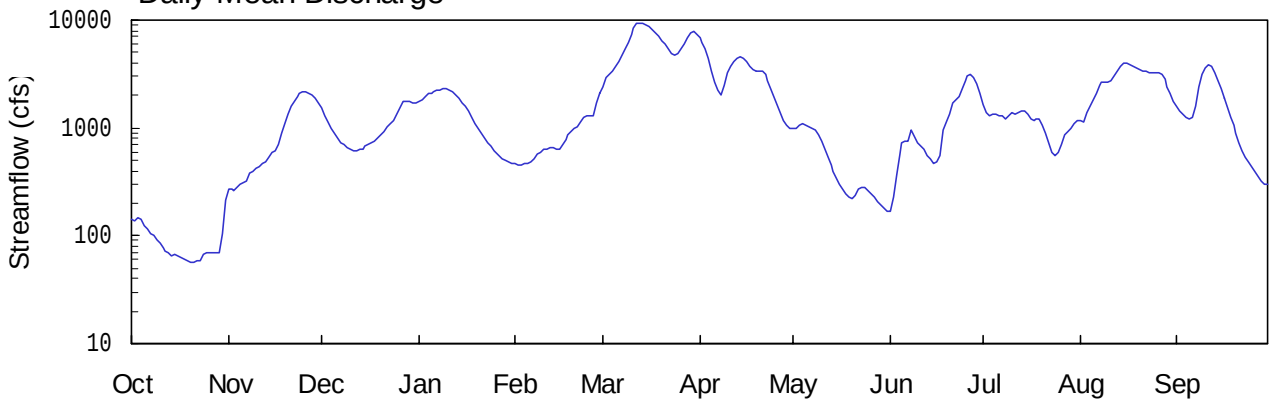
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.57	0.91	0.00
2	0.00	0.00	0.00	0.00	0.00	---	0.00	0.29	0.00	0.80	1.33	0.00
3	0.00	0.00	0.00	0.00	0.00	---	0.00	0.05	0.21	1.13	0.32	1.20
4	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.01	0.00	0.47	0.01
5	0.00	0.00	0.00	0.00	0.00	---	0.42	0.00	0.00	0.00	0.07	3.26
6	0.00	0.00	0.00	0.00	0.00	---	0.01	0.00	0.64	0.03	0.63	0.73
7	0.00	0.00	0.00	0.00	0.00	---	0.10	0.00	1.31	1.98	0.31	0.01
8	0.00	0.00	0.00	0.00	0.00	---	2.01	0.00	0.24	0.01	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	---	0.59	0.00	0.00	0.00	0.09	0.00
10	0.00	0.00	0.00	0.00	0.00	---	0.34	0.00	0.00	0.00	0.16	0.00
11	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.01	0.00
12	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.04	0.00
13	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.27	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.01	0.00	0.09	0.00
15	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.43	0.27	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.91	0.24	2.06	0.00
17	0.00	0.00	0.00	0.00	0.00	1.52	0.00	0.14	0.79	0.14	0.35	0.00
18	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.14	0.96	0.00	0.01	0.00
19	0.00	0.00	0.00	0.00	0.00	0.41	0.00	1.09	0.78	0.32	0.13	0.00
20	0.00	0.00	0.00	0.00	0.00	3.17	0.00	0.00	0.83	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	1.57	0.09
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	1.54	0.00	0.05
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.66	0.01	0.14
24	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.32	0.00	0.00
25	0.00	0.00	0.00	0.00	---	0.00	0.49	0.00	0.00	0.59	0.05	0.00
26	0.00	0.00	0.00	0.00	---	0.00	0.03	0.00	0.00	0.01	0.00	1.31
27	0.00	0.00	0.00	0.00	---	0.19	0.00	0.00	0.00	0.00	0.04	0.00
28	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.02	0.00	0.00	0.25	0.05	0.77	0.00
30	0.00	0.00	0.00	0.00	---	0.27	0.00	0.00	0.16	3.50	0.01	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.01	0.07	---
TOTAL	0.00	0.00	0.00	0.00	---	---	3.99	---	9.64	11.90	9.50	6.80

2003 Water Year

02317500 ALAPAHA RIVER AT STATENVILLE, GA

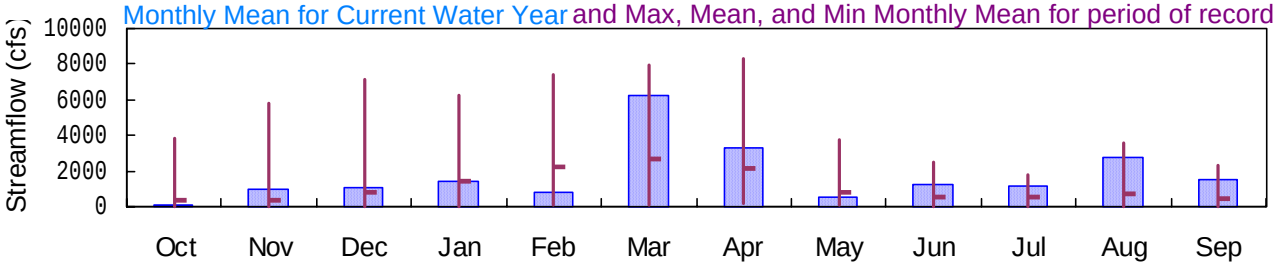
Latitude: 30°42'14" Longitude: 083°02'00" Hydrologic Unit Code: 03110202 Echols County
Drainage Area: 1400. mi^2 Datum: 76.7 feet

Daily Mean Discharge

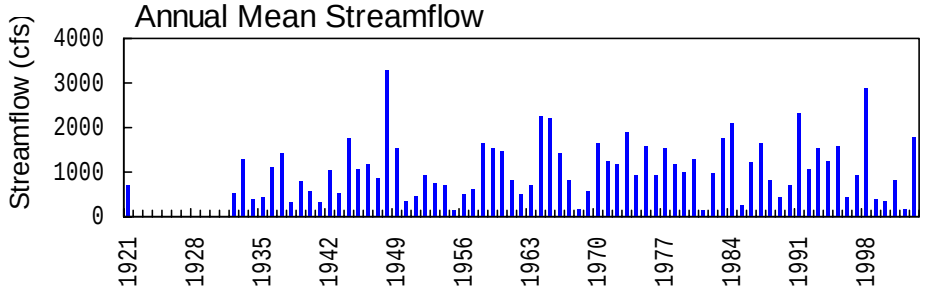


Monthly Statistics

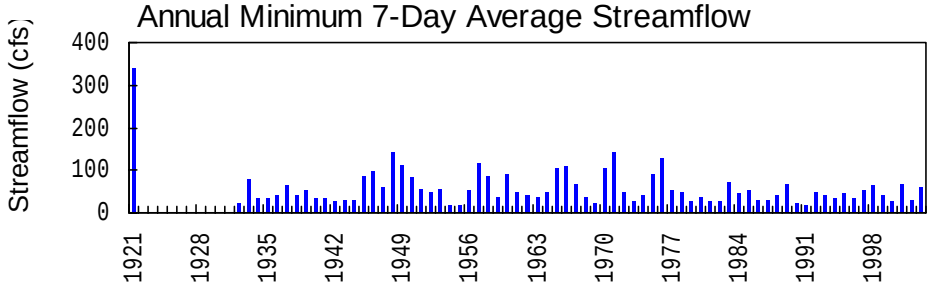
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



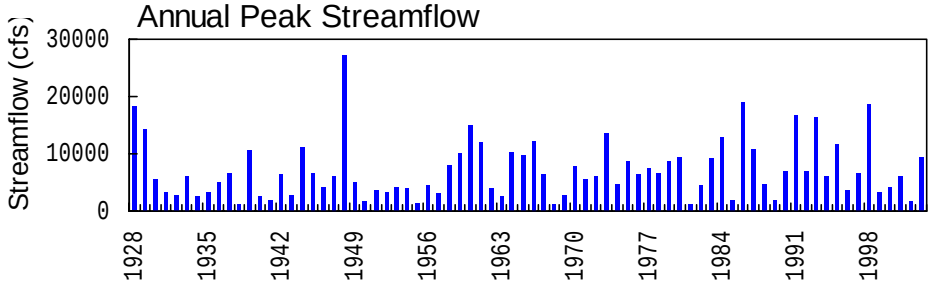
Annual Mean Streamflow

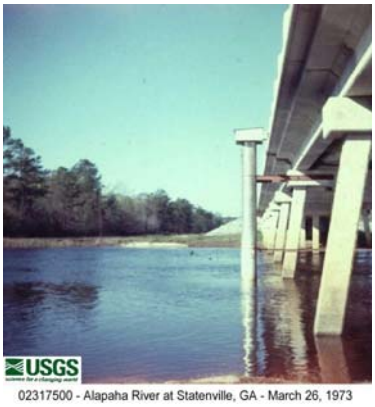


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





02317500 - Alapaha River at Statenville, GA - March 26, 1973

SUWANNEE RIVER BASIN
2003 Water Year

02317500 ALAPAHA RIVER AT STATENVILLE, GA

LOCATION.—Lat 30°42'14", long 83°02'00" referenced to North American Datum (NAD) of 1927, Echols County, Hydrologic Unit 03110202, at downstream side of left bank pier of bridge on GA 94, 10.4 miles upstream from Alapahoochee River (Grand Bay Creek), 0.2 miles west of Statenville.

DRAINAGE AREA.—1,400 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January to June 1921, October 1931 to current year. Monthly discharge only for October to December 1931, published in WSP 1304.

REVISED RECORDS.—WSP 822: 1936, drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 76.77 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). From January 28 to June 30, 1921, a non-recording gage was located at site 50 feet upstream at datum 2.10 feet higher. From December 10, 1931 to November 30, 1949, a non-recording gage was located at site 200 feet upstream at present datum, and from December 1, 1949, to November 22, 1952, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1862, that of April 6, 1948, from information by local resident.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/13	0945	9,540*	26.17*
03/29	2230	7,890	25.23
04/14	1100	4,600	18.25
06/27	0430	3,160	13.54
08/16	0345	4,050	16.50
09/11	1500	3,820	15.73

02317500 ALAPAHA RIVER AT STATENVILLE, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—January to June 1921, October 1931 to current year. Monthly discharge only for October to December 1931, published in WSP 1304.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 76.77 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). From January 28 to June 30, 1921, a non-recording gage was located at site 50 feet upstream at datum 2.10 feet higher. From December 10, 1931 to November 30, 1949, a non-recording gage was located at site 200 feet upstream at present datum, and from December 1, 1949, to November 22, 1952, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 26.17 feet, March 13; minimum gage-height recorded, 0.92 feet, October 20, 21.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02317500 ALAPAHA RIVER AT STATENVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 101
LATITUDE 304214 LONGITUDE 0830200 NAD27 DRAINAGE AREA 1400.00 CONTRIBUTING DRAINAGE AREA 1400.00* DATUM 76.77 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	143	269	1520	1770	462	2420	6840	1000	167	1670	1160	1570
2	139	272	1320	1850	455	2960	6260	1000	228	1410	1120	1450
3	148	266	1130	1990	449	3130	5450	1050	373	1300	1370	1330
4	140	281	979	2080	464	3410	4430	1090	567	1340	1600	1260
5	126	303	895	2130	474	3750	3420	1070	717	1340	1830	1220
6	115	308	795	2170	478	4100	2700	1030	762	1310	2120	1250
7	105	318	733	2220	521	4720	2250	995	741	1280	2460	1570
8	100	384	699	2260	577	5510	2030	945	943	1220	2610	2420
9	93	397	660	2290	603	6190	2460	863	845	1310	2620	3140
10	84	416	645	2280	629	7290	3210	749	726	1370	2630	3590
11	78	431	617	2230	645	8500	3770	637	670	1350	2750	3800
12	73	466	604	2130	652	9260	4180	538	625	1390	3000	3690
13	69	490	628	2010	647	9480	4460	458	563	1450	3350	3240
14	66	543	642	1870	635	9350	4580	391	519	1440	3710	2740
15	67	597	671	1730	640	9090	4430	341	461	1350	3970	2320
16	65	609	697	1580	694	8690	4070	302	488	1230	4030	1900
17	63	709	724	1430	781	8190	3710	270	555	1160	3890	1530
18	61	892	758	1260	853	7680	3470	246	957	1200	3700	1250
19	59	1110	802	1100	921	7060	3370	225	1140	1200	3580	1040
20	57	1340	857	974	973	6480	3370	219	1330	1060	3500	878
21	56	1570	930	879	1020	5930	3310	236	1730	905	3410	727
22	58	1790	1010	807	1130	5330	3120	275	1830	718	3330	607
23	60	1970	1080	738	1250	4910	2770	285	1970	586	3300	536
24	68	2100	1190	674	1290	4750	2350	279	2300	555	3260	489
25	70	2160	1340	621	1310	4950	1940	261	2740	586	3270	433
26	70	2150	1550	582	1290	5430	1640	245	3070	704	3270	392
27	70	2100	1750	550	1690	6050	1380	230	3130	868	3120	357
28	69	2010	1790	522	2120	6850	1170	210	2910	936	2800	326
29	70	1870	1750	499	---	7720	1040	194	2520	985	2400	305
30	104	1710	1700	482	---	7840	991	181	2080	1090	2100	299
31	214	---	1680	472	---	7470	---	171	---	1160	1780	---
TOTAL	2760	29831	32146	44180	23653	194490	98171	15986	37657	35473	87040	45659
MEAN	89.0	994	1037	1425	845	6274	3272	516	1255	1144	2808	1522
MAX	214	2160	1790	2290	2120	9480	6840	1090	3130	1670	4030	3800
MIN	56	266	604	472	449	2420	991	171	167	555	1120	299
CFSM	0.06	0.71	0.74	1.02	0.60	4.48	2.34	0.37	0.90	0.82	2.01	1.09
IN.	0.07	0.79	0.85	1.17	0.63	5.17	2.61	0.42	1.00	0.94	2.31	1.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2003, BY WATER YEAR (WY)

MEAN	392	340	767	1395	2204	2689	2106	792	519	508	674	481
MAX	3868	5818	7155	6237	7391	7930	8328	3720	2526	1806	3589	2334
(WY)	1995	1948	1948	1998	1991	1998	1948	1944	1973	1964	1945	1935
MIN	28.4	21.0	33.7	35.8	77.6	129	165	62.4	42.0	38.8	29.4	25.6
(WY)	1969	1955	1955	1934	1934	1955	1968	1999	2002	1981	1954	1954

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1921 - 2003	
ANNUAL TOTAL	123996		647046			
ANNUAL MEAN	340		1773		1079	
HIGHEST ANNUAL MEAN					3280	1948
LOWEST ANNUAL MEAN					127	1981
HIGHEST DAILY MEAN	2160	Nov 25	9480	Mar 13	26500	Apr 6 1948
LOWEST DAILY MEAN	28	Sep 13	56	Oct 21	17	Nov 10 1954
ANNUAL SEVEN-DAY MINIMUM	30	Sep 9	59	Oct 17	18	Nov 7 1954
MAXIMUM PEAK FLOW			9540	Mar 13	27300	Apr 6 1948
MAXIMUM PEAK STAGE			26.17	Mar 13	29.80	Apr 6 1948
INSTANTANEOUS LOW FLOW			55	Oct 20	16	Nov 13 1954
ANNUAL RUNOFF (CFSM)	0.24		1.27		0.77	
ANNUAL RUNOFF (INCHES)	3.29		17.19		10.47	
10 PERCENT EXCEEDS	1050		3990		2970	
50 PERCENT EXCEEDS	127		1160		381	
90 PERCENT EXCEEDS	37		217		54	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02317500 ALAPAHA RIVER AT STATENVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 101
LATITUDE 304214 LONGITUDE 0830200 NAD27 DRAINAGE AREA 1400.00 CONTRIBUTING DRAINAGE AREA 1400.00* DATUM 76.77 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.69	2.55	7.69	8.63	3.56	10.98	24.32	5.71	2.15	8.28	6.30	7.87
2	1.66	2.57	6.92	8.93	3.52	12.85	23.14	5.70	2.52	7.26	6.18	7.42
3	1.74	2.53	6.19	9.42	3.49	13.42	20.86	5.89	3.27	6.87	7.13	6.96
4	1.67	2.62	5.60	9.75	3.56	14.38	17.72	6.03	4.09	7.00	8.02	6.68
5	1.56	2.75	5.27	9.92	3.61	15.50	14.41	5.96	4.63	7.00	8.86	6.55
6	1.46	2.78	4.88	10.07	3.63	16.65	11.95	5.81	4.78	6.90	9.90	6.65
7	1.37	2.84	4.66	10.25	3.83	18.63	10.37	5.67	4.72	6.77	11.10	7.88
8	1.34	3.19	4.53	10.41	4.07	21.04	9.59	5.47	5.46	6.53	11.64	10.96
9	1.27	3.25	4.39	10.50	4.17	22.94	11.11	5.14	5.07	6.91	11.69	13.46
10	1.20	3.34	4.33	10.47	4.27	24.73	13.71	4.74	4.66	7.13	11.73	14.95
11	1.14	3.41	4.23	10.28	4.33	25.63	15.56	4.35	4.47	7.05	12.15	15.66
12	1.10	3.57	4.17	9.95	4.36	26.03	16.91	3.99	4.31	7.19	12.99	15.30
13	1.06	3.68	4.27	9.51	4.34	26.14	17.82	3.65	4.09	7.42	14.16	13.81
14	1.03	3.92	4.32	9.01	4.29	26.07	18.19	3.36	3.91	7.40	15.37	12.09
15	1.05	4.15	4.43	8.48	4.31	25.94	17.71	3.11	3.67	7.03	16.24	10.60
16	1.03	4.19	4.53	7.92	4.51	25.74	16.56	2.92	3.78	6.59	16.44	9.10
17	1.00	4.57	4.62	7.34	4.83	25.45	15.37	2.75	4.05	6.31	15.98	7.73
18	0.98	5.26	4.75	6.70	5.10	25.06	14.56	2.62	5.52	6.48	15.35	6.66
19	0.97	6.11	4.90	6.10	5.37	24.56	14.25	2.50	6.25	6.46	14.93	5.85
20	0.94	6.99	5.11	5.59	5.58	23.69	14.23	2.47	6.97	5.94	14.67	5.20
21	0.94	7.87	5.41	5.20	5.78	22.25	14.05	2.56	8.49	5.31	14.36	4.66
22	0.95	8.72	5.73	4.92	6.20	20.52	13.42	2.78	8.84	4.63	14.10	4.25
23	0.97	9.37	6.00	4.67	6.65	19.24	12.21	2.83	9.36	4.17	14.01	3.98
24	1.05	9.83	6.41	4.44	6.81	18.75	10.70	2.80	10.56	4.06	13.89	3.78
25	1.07	10.02	7.00	4.24	6.89	19.36	9.26	2.70	12.10	4.17	13.91	3.55
26	1.08	10.01	7.79	4.09	6.82	20.82	8.16	2.61	13.24	4.58	13.90	3.37
27	1.07	9.84	8.55	3.96	8.32	22.58	7.15	2.53	13.44	5.16	13.39	3.19
28	1.06	9.50	8.71	3.83	9.90	24.27	6.35	2.41	12.70	5.43	12.30	3.04
29	1.07	9.01	8.56	3.73	---	25.09	5.85	2.32	11.34	5.63	10.92	2.93
30	1.36	8.41	8.36	3.65	---	25.19	5.65	2.24	9.77	6.06	9.84	2.91
31	2.20	---	8.29	3.60	---	24.90	---	2.18	---	6.32	8.69	---
MEAN	1.23	5.56	5.83	7.28	5.08	21.56	13.70	3.74	6.61	6.26	12.26	7.57
MAX	2.20	10.02	8.71	10.50	9.90	26.14	24.32	6.03	13.44	8.28	16.44	15.66
MIN	0.94	2.53	4.17	3.60	3.49	10.98	5.65	2.18	2.15	4.06	6.18	2.91

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02317500 ALAPAHA RIVER AT STATENVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 101
LATITUDE 304214 LONGITUDE 0830200 NAD27 DRAINAGE AREA 1400.00 CONTRIBUTING DRAINAGE AREA 1400.00* DATUM 76.77 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.14	0.00	0.00	0.01	0.00	1.96	0.00	0.00	0.00	0.51	---	---
2	0.00	0.00	0.00	0.02	0.00	0.01	0.01	0.00	0.00	0.05	---	---
3	0.00	0.04	0.00	0.00	0.07	0.43	0.00	0.65	1.22	0.13	---	---
4	0.00	0.03	0.00	0.00	0.21	0.62	0.00	0.00	0.52	1.12	---	---
5	0.00	0.01	---	0.00	0.00	0.02	0.00	0.00	0.04	0.00	---	---
6	0.01	0.48	---	0.00	1.01	0.06	0.00	0.00	1.44	0.00	---	---
7	0.00	0.00	---	0.00	0.07	1.88	0.00	0.00	2.94	0.00	---	---
8	0.15	0.00	---	0.00	0.00	0.00	1.69	0.00	0.20	0.00	---	---
9	0.00	0.00	---	0.00	0.39	1.29	0.30	0.00	0.00	0.00	---	0.00
10	0.00	0.04	---	0.00	0.03	0.01	0.12	0.00	0.00	0.00	---	0.00
11	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00
12	0.00	1.65	---	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.01	0.00
13	0.00	0.01	---	0.02	0.00	0.46	0.00	0.00	0.09	0.00	0.00	0.00
14	0.23	0.00	---	0.00	0.00	---	0.00	0.04	0.00	0.01	0.00	0.00
15	0.39	0.00	---	0.00	0.00	---	0.00	0.00	0.23	0.16	0.29	0.04
16	0.00	0.30	---	0.00	1.36	---	0.00	0.00	0.00	0.01	0.01	0.00
17	0.00	---	0.00	0.01	0.00	---	0.00	0.00	1.39	0.00	---	0.00
18	0.00	---	0.00	0.00	0.00	---	0.00	0.21	0.06	0.00	0.00	0.00
19	0.00	---	0.00	0.00	0.00	0.55	0.00	0.04	0.00	0.50	0.02	0.00
20	---	---	0.21	0.00	0.00	0.12	0.00	0.00	0.57	0.00	0.00	0.00
21	---	---	0.00	0.00	0.35	0.05	0.15	0.00	0.00	1.01	0.02	0.00
22	---	---	0.00	0.00	0.74	0.00	0.01	0.34	0.00	0.33	0.04	0.01
23	---	---	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.65	0.00	0.05
24	0.54	---	2.44	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.00	0.00
25	0.00	---	0.01	0.00	0.00	0.00	0.33	0.00	0.00	0.13	0.00	0.17
26	0.00	0.00	0.00	0.00	0.63	0.00	0.01	0.00	0.00	0.01	0.00	0.00
27	0.00	0.00	0.00	0.00	2.49	1.09	0.00	0.00	0.01	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
29	0.69	0.00	0.00	0.00	---	0.00	0.00	0.00	0.06	0.35	1.10	0.00
30	0.04	0.00	0.00	0.00	---	0.27	0.33	0.00	0.23	1.21	---	0.00
31	0.00	---	1.54	0.01	---	0.00	---	0.00	---	---	---	---
TOTAL	---	---	---	0.07	7.35	---	2.95	1.29	9.01	---	---	---

SUWANNEE RIVER BASIN
2003 Water Year

02317600 LITTLE RIVER AT GA 376, NEAR STATENVILLE, GA

LOCATION.—Lat 30°42'13", long 83°07'18" referenced to North American Datum (NAD) of 1927, Echols County, Hydrologic Unit 03110202, at GA 376, 5.0 miles west of Statenville.

DRAINAGE AREA.—199 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1948, 1984 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 85.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

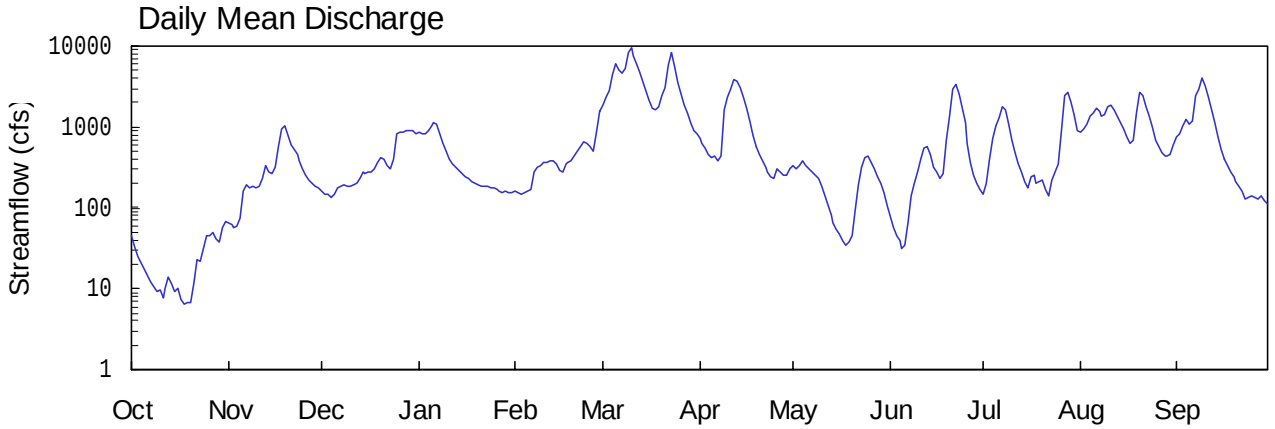
MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 17.36 feet, March 28, 1984
DISCHARGE: 11,000 cfs, March 28, 1984

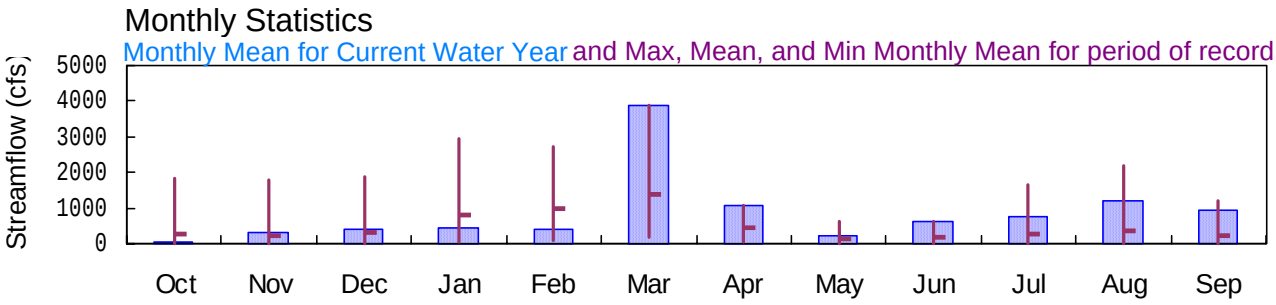
MAXIMUM FOR CURRENT YEAR.—
STAGE: 12.70 feet, March 11
DISCHARGE: 2,770 cfs, March 11

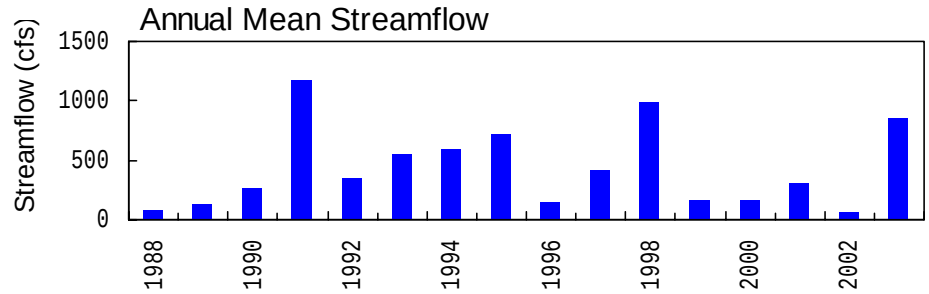
2003 Water Year

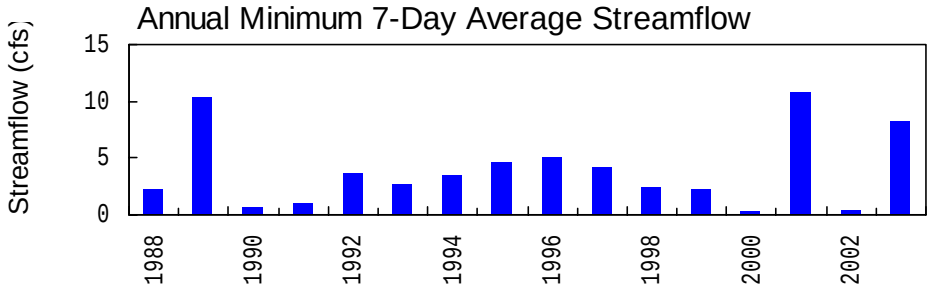
023177483 WITHLACOOCHEE RIVER AT MCMILLAN RD,NEAR BEMISS, GA

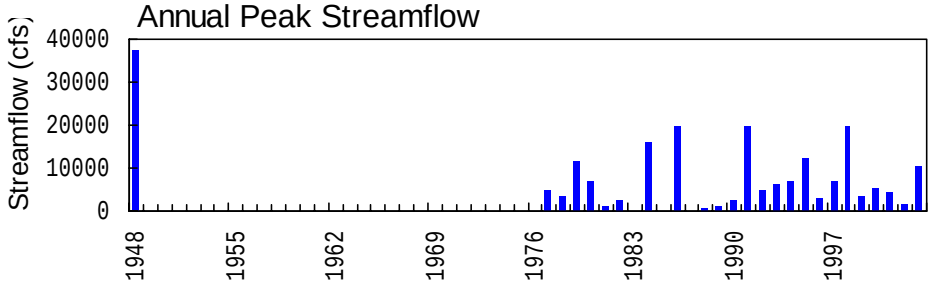
Latitude: 30°57'09" Longitude: 083°16'07" Hydrologic Unit Code: 03110203 Lowndes County
Drainage Area: 502 mi^2 Datum: 125 feet











NO PHOTOS AVAILABLE FOR THIS SITE

023177483 WITHLACOOCHEE RIVER AT MCMILLAN ROAD, NEAR BEMISS, GA

LOCATION.—Lat 30°57'09", long 83°16'07" referenced to North American Datum (NAD) of 1927, Lowndes County, Hydrologic Unit 03110203, on downstream side of bridge pier on McMillan Road, 2.3 miles downstream from Cat Creek, and 3.0 miles northwest of Bemiss.

DRAINAGE AREA.—502 square miles, approximately.

COOPERATION.—City of Valdosta.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 1988 to current year.

GAGE.—Phone telemetry with a water-stage recorder. Elevation of gage is 125.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for periods of estimated discharge, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,600 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/10	0400	10,300*	19.14*
03/23	0300	9,100	18.64
04/12	1700	4,070	16.12
06/21	2400	3,650	15.77
07/07	1600	1,840	12.64
07/27	2400	2,860	14.74
08/20	1300	2,830	14.69
09/09	0915	4,130	16.17

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 1988 to current year.

GAGE.—Phone telemetry with a water-stage recorder. Elevation of gage is 125.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 19.14 feet, March 10; minimum gage-height recorded, 1.36 feet, October 20, 21.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 023177483 WITHLACOOCHEE RIVER AT MCMILLAN RD,NEAR BEMISS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 185
LATITUDE 305709 LONGITUDE 0831607 NAD27 DRAINAGE AREA 502 CONTRIBUTING DRAINAGE AREA 502* DATUM 125 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	64	163	844	161	1910	706	331	76	148	859	768
2	33	63	150	841	154	2350	620	304	56	200	956	826
3	25	58	145	826	149	2830	538	327	45	393	1060	1040
4	21	59	136	917	153	4360	467	380	40	714	1340	1230
5	17	76	147	1040	163	6050	423	326	32	1030	1500	1070
6	14	161	178	1120	170	5060	434	299	34	1310	1690	1170
7	12	196	187	1060	278	4550	384	283	64	1780	1530	2420
8	11	173	193	840	319	5330	444	259	141	1600	1350	2920
9	9.4	183	182	623	326	8300	1620	227	205	1100	1440	3970
10	9.9	176	181	489	364	9630	2380	182	283	684	1760	3220
11	7.6	186	194	406	369	7620	2910	141	401	472	1830	2310
12	10	231	199	355	373	5980	3910	108	547	351	1620	1630
13	14	336	236	315	376	4730	3750	83	584	274	1370	1130
14	11	275	275	284	344	3730	3110	66	458	214	1130	753
15	9.4	261	264	261	292	2860	2350	54	315	174	947	533
16	10	324	273	241	282	2150	1690	46	272	241	746	400
17	7.2	586	281	228	353	1720	1180	40	228	256	635	328
18	6.5	928	311	214	358	1650	792	34	261	203	698	279
19	6.8	1010	359	203	389	1790	580	38	678	213	1470	244
20	6.7	796	410	195	430	2430	459	45	1340	223	2730	216
21	11	608	401	189	492	3080	374	92	e3000	168	2410	186
22	23	520	339	186	574	5880	322	196	3380	138	1820	158
23	22	456	308	186	652	8480	279	317	2510	223	1370	126
24	31	374	407	180	627	5610	243	423	1740	e278	978	135
25	46	304	818	174	579	3590	232	439	1110	344	703	139
26	45	254	878	168	508	2570	297	369	617	919	563	137
27	49	223	881	160	872	1860	277	298	368	2440	468	130
28	42	202	903	156	1590	1460	258	246	257	2700	441	138
29	38	187	921	158	---	1140	255	200	202	2060	e445	124
30	56	175	895	155	---	910	300	150	167	1410	454	110
31	68	---	807	157	---	808	---	108	---	910	597	---
TOTAL	717.5	9445	12022	13171	11697	120418	31584	6411	19411	23170	36910	27840
MEAN	23.1	315	388	425	418	3884	1053	207	647	747	1191	928
MAX	68	1010	921	1120	1590	9630	3910	439	3380	2700	2730	3970
MIN	6.5	58	136	155	149	808	232	34	32	138	441	110
CFSM	0.05	0.63	0.77	0.85	0.83	7.74	2.10	0.41	1.29	1.49	2.37	1.85
IN.	0.05	0.70	0.89	0.98	0.87	8.92	2.34	0.48	1.44	1.72	2.74	2.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2003, BY WATER YEAR (WY)

MEAN	253	216	331	784	983	1364	447	126	171	250	347	215
MAX	1843	1778	1889	2935	2738	3884	1053	642	647	1655	2169	1204
(WY)	1995	1998	1998	1991	1995	2003	2003	1991	2003	1991	1991	2000
MIN	9.35	5.49	9.28	32.9	72.6	194	47.6	10.9	2.59	2.73	3.90	1.23
(WY)	1996	2002	2002	1989	1989	2000	1999	2002	2002	2002	1990	1990

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1988 - 2003	
ANNUAL TOTAL	46466.52		312796.5			
ANNUAL MEAN	127		857		458	
HIGHEST ANNUAL MEAN					1178	1991
LOWEST ANNUAL MEAN					69.3	2002
HIGHEST DAILY MEAN	1380	Mar 5	9630	Mar 10	19100	Mar 5 1991
LOWEST DAILY MEAN	0.10	Sep 10	6.5	Oct 18	0.10	Sep 10 2002
ANNUAL SEVEN-DAY MINIMUM	0.42	Sep 7	8.2	Oct 14	0.34	Jun 11 2000
MAXIMUM PEAK FLOW			10300	Mar 10	19700	Mar 11 1998
MAXIMUM PEAK STAGE			19.14	Mar 10	22.50	Mar 11 1998
INSTANTANEOUS LOW FLOW			5.9	Oct 20	0.05	Sep 11 2002
ANNUAL RUNOFF (CFSM)	0.25		1.71		0.91	
ANNUAL RUNOFF (INCHES)	3.44		23.18		12.40	
10 PERCENT EXCEEDS	329		2360		1210	
50 PERCENT EXCEEDS	33		336		94	
90 PERCENT EXCEEDS	1.6		46		7.3	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 023177483 WITHLACOOCHEE RIVER AT MCMILLAN RD,NEAR BEMISS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 185
LATITUDE 305709 LONGITUDE 0831607 NAD27 DRAINAGE AREA 502 CONTRIBUTING DRAINAGE AREA 502* DATUM 125 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.37	2.69	3.90	8.76	3.88	12.80	8.01	5.48	3.00	3.85	8.84	8.35
2	2.13	2.67	3.77	8.75	3.80	13.81	7.49	5.26	2.69	4.35	9.33	8.66
3	1.97	2.59	3.71	8.66	3.76	14.67	6.94	5.45	2.49	5.92	9.82	9.73
4	1.86	2.60	3.61	9.14	3.79	16.25	6.44	5.85	2.41	8.01	10.96	10.54
5	1.76	2.86	3.73	9.71	3.90	17.28	6.13	5.43	2.24	9.68	11.55	9.87
6	1.68	3.86	4.05	10.07	3.97	16.76	6.21	5.22	2.27	10.84	12.18	10.19
7	1.61	4.23	4.14	9.82	4.98	16.46	5.84	5.09	2.81	12.45	11.64	13.96
8	1.55	4.01	4.20	8.73	5.33	16.92	6.22	4.88	3.76	11.86	11.01	14.76
9	1.51	4.11	4.10	7.50	5.38	18.29	11.81	4.61	4.41	9.95	11.33	16.04
10	1.53	4.03	4.08	6.60	5.69	18.86	13.89	4.19	5.08	7.86	12.38	15.21
11	1.44	4.13	4.21	6.01	5.73	18.01	14.77	3.77	6.00	6.49	12.59	13.72
12	1.54	4.56	4.26	5.62	5.76	17.25	15.99	3.41	7.00	5.63	11.95	11.98
13	1.66	5.47	4.60	5.30	5.78	16.57	15.85	3.09	7.25	5.01	11.05	10.08
14	1.58	4.96	4.96	5.04	5.53	15.81	15.07	2.84	6.39	4.49	10.11	8.26
15	1.51	4.84	4.87	4.83	5.10	14.70	13.80	2.66	5.35	4.11	9.28	6.91
16	1.53	5.36	4.94	4.66	5.02	13.38	12.15	2.53	5.00	4.72	8.23	5.99
17	1.42	7.23	5.01	4.54	5.61	12.26	10.31	2.40	4.61	4.86	7.59	5.46
18	1.39	9.18	5.26	4.41	5.64	12.05	8.47	2.30	4.89	4.38	7.96	5.05
19	1.40	9.60	5.65	4.30	5.88	12.48	7.22	2.36	7.74	4.48	11.18	4.76
20	1.40	8.50	6.03	4.22	6.18	13.95	6.39	2.50	10.90	4.57	14.51	4.51
21	1.56	7.41	5.97	4.16	6.61	15.04	5.79	3.18	---	4.05	13.93	4.22
22	1.90	6.81	5.49	4.14	7.18	17.01	5.40	4.31	15.43	3.74	12.55	3.95
23	1.90	6.36	5.24	4.13	7.69	18.38	5.05	5.36	14.11	4.57	11.07	3.61
24	2.09	5.77	5.97	4.07	7.54	17.04	4.74	6.16	12.30	---	9.42	3.71
25	2.39	5.20	8.61	4.01	7.22	15.64	4.65	6.27	10.0	5.57	7.98	3.76
26	2.38	4.77	8.94	3.95	6.73	14.22	5.21	5.76	7.44	8.93	7.11	3.73
27	2.44	4.49	8.95	3.87	8.77	12.64	5.04	5.21	5.75	13.93	6.46	3.65
28	2.32	4.29	9.07	3.82	11.82	11.39	4.88	4.78	4.87	14.47	6.28	3.75
29	2.24	4.14	9.16	3.84	---	10.14	4.85	4.36	4.38	13.16	---	3.59
30	2.56	4.03	9.02	3.82	---	9.10	5.23	3.87	4.04	11.19	6.37	3.44
31	2.76	---	8.56	3.84	---	8.57	---	3.40	---	9.09	7.33	---
MEAN	1.85	5.03	5.61	5.82	5.87	14.77	8.33	4.26	---	---	---	7.71
MAX	2.76	9.60	9.16	10.07	11.82	18.86	15.99	6.27	---	---	---	16.04
MIN	1.39	2.59	3.61	3.82	3.76	8.57	4.65	2.30	---	---	---	3.44

SUWANNEE RIVER BASIN
2003 Water Year

02317797 LITTLE RIVER AT UPPER TY TY ROAD NEAR TIFTON, GA
Nation Water-Quality Assessment station

LOCATION.—Lat 31°28'54", long 83°35'03", referenced to North American Datum (NAD) of 1927, Tift County, Hydrologic Unit 03110204, 20 feet downstream from bridge on Upper Ty Ty Road, 0.3 miles downstream from Mill Creek, 0.3 miles upstream from Big Branch, and 4.9 miles west-northwest of Tifton.

DRAINAGE AREA.—129 square miles.

REMARKS.---None.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—December 1976 to April 1978, and March 1993 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Dis-Agency collecting sample, code (00027)	pH, Agency analyzing sample, code (00028)	Specif. Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	solved oxygen, percent of saturation (00301)	water, unfltrd field, std units (00400)	conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
NOV													
04...	1300	1028	80020	8.66	14	70	759	.8	8	5.7	166	--	15.3
DEC													
03...	1300	1028	80020	9.23	61	40	762	4.9	41	5.9	95	--	8.0
JAN													
07...	1310	1028	80020	9.85	174	40	761	8.3	70	6.2	76	--	7.8
21...	1300	1028	80020	9.23	71	40	755	10.4	87	6.1	84	18.9	7.3
FEB													
04...	1200	1028	80020	9.14	50	40	752	9.8	91	6.1	89	--	11.7
18...	1140	1028	80020	9.84	172	40	759	9.2	83	5.8	97	--	10.6
MAR													
04...	1300	1028	80020	11.10	919	40	759	11.7	109	6.4	67	--	11.8
19...	1210	1028	80020	10.84	564	40	748	5.6	62	6.2	81	--	19.1
31...	1240	1028	80020	9.77	155	40	763	2.6	25	6.6	83	--	14.4
APR													
14...	1220	1028	80020	10.38	343	40	761	4.8	50	6.3	72	--	17.6
MAY													
06...	1330	1028	80020	9.49	99	40	755	1.3	15	6.4	90	--	22.9
16...	1030	1028	80020	8.42	5.5	70	754	.3	4	6.6	144	--	20.4
JUN													
02...	1120	1028	80020	8.43	5.7	70	753	.8	9	6.3	100	--	20.7
16...	1300	1028	80020	9.12	48	70	759	.8	10	6.2	96	--	24.4
30...	1130	1028	80020	8.69	15	70	--	--	--	6.5	96	--	23.6
AUG													
05...	1200	1028	80020	11.07	873	10	753	3.3	40	6.2	55	--	24.5
19...	1230	1028	80020	9.41	86	40	759	1.0	13	6.5	102	--	25.9
SEP													
02...	1300	1028	80020	9.48	97	40	761	.8	10	6.4	94	--	25.5

02317797 LITTLE RIVER AT UPPER TY TY ROAD NEAR TIFTON, GA---continued.

Date	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)
NOV													
04...	8	10	19.8	30.1	2.0	.23	--	--	<.06	--	E.006	1.8	<.02
DEC													
03...	9	11	14.8	4.2	.66	E.02	--	--	.10	--	<.008	--	<.02
JAN													
07...	8	10	11.9	3.3	.54	E.03	--	--	.18	--	<.008	--	<.02
21...	--	--	13.8	2.9	.54	E.04	--	--	.21	--	<.008	--	<.02
FEB													
04...	12	15	13.6	2.8	.58	.05	--	--	.14	--	<.008	.53	<.02
18...	--	--	--	--	.89	.07	--	--	.23	--	E.006	.82	.02
MAR													
04...	8	10	8.72	2.8	.66	<.04	--	--	.33	--	E.005	--	<.02
19...	--	--	--	--	.98	.12	1.12	.25	.26	.030	.009	.86	<.02
31...	12	15	9.64	1.4	1.1	.28	.784	.18	.19	.046	.014	.81	.02
APR													
14...	--	--	--	--	.81	.05	1.33	.30	.31	.036	.011	.76	E.01
MAY													
06...	20	24	9.92	1.0	.97	E.03	--	--	.19	--	<.008	--	E.02
16...	--	--	10.6	.5	1.4	.22	--	--	<.06	--	<.008	1.2	<.02
JUN													
02...	24	29	10.5	1.3	.99	.05	--	--	<.18	.026	.008	.94	<.02
16...	--	--	--	--	.86	E.03	--	--	.11	--	<.008	--	<.02
30...	23	28	9.80	.8	.94	.07	.248	.06	.06	.026	.008	.87	E.01
AUG													
05...	10	12	6.78	1.4	.86	<.04	--	--	.10	--	E.005n	--	<.02
19...	--	--	--	--	1.0	.06	--	--	E.05n	--	E.006n	.95	E.01n
SEP													
02...	24	29	10.1	1.2	.96	<.04	--	--	E.04n	--	E.007n	--	E.01n

Date	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	1,4-Naphthoquinone, water, fltrd, ug/L (61611)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2-(4-t-Butylphenoxy)cyclohexanol wat flt ug/L (61637)	2,4-D water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)
NOV													
04...	--	.082	--	--	--	--	--	<.05	<.09	<.01	--	--	--
DEC													
03...	<.02	.027	.76	.1	<.1	.1	14.3	<.05	<.09	<.01	--	--	--
JAN													
07...	.04	.023	.72	.2	<.1	.1	12.3	<.05	<.09	<.01	--	--	--
21...	--	.018	.75	--	--	--	9.4	<.05	<.09	<.01	--	--	--
FEB													
04...	.04	.022	.71	.1	<.1	.1	9.8	<.05	<.09	<.01	--	--	--
18...	--	.057	1.1	--	--	--	--	<.05	<.09	<.01	--	--	--
MAR													
04...	.08	.057	.99	.6	<.1	.6	12.4	<.05	<.09	<.01	--	--	--
19...	--	.070	1.2	--	--	--	--	<.05	<.09	<.01	--	--	--
31...	.09	.082	1.3	.9	<.1	.9	18.7	<.05	<.09	<.01	--	--	--
APR													
14...	--	.066	1.1	--	--	--	--	<.05	<.09	<.01	--	--	--
MAY													
06...	.07	.065	1.2	.4	<.1	.4	16.7	<.05	<.09	<.01	--	--	--
16...	.35	.102	--	3.2	<.1	3.2	20.3	<.05	<.09	<.01	--	--	--
JUN													
02...	.12	.056	--	1.1	<.1	1.1	17.1	<.05	<.09	<.01	--	--	--
16...	--	.049	.97	--	--	--	--	<.05mc	<.09mc	<.01	--	--	--
30...	.09	.073	1.0	.9	<.1	.8	19.1	--	--	--	<.009	<.02	<.02
AUG													
05...	.08	.115	.97	.6	<.1	.6	16.0	<.05mc	<.09mc	<.01	--	--	--
19...	--	.073	--	--	--	--	--	<.05mc	--u	<.01	--	--	--
SEP													
02...	.06	.081	--	.4	<.1	.4	16.2+c	<.05mc	<.09mc	<.01	--	--	--

02317797 LITTLE RIVER AT UPPER TY TY ROAD NEAR TIFTON, GA---continued.

Date	2,5-Di-chloro-aniline water, fltrd, ug/L (61614)	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)-amino] propan-1-ol, ug/L (61615)	2Amino-N-iso-propyl-benz-amide, wat flt ug/L (61617)	2Chloro-2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)	OIET, water, fltrd, ug/L (50355)	3-(Tri-fluoro-methyl) aniline water, fltrd, ug/L (61630)	3,4-Di-chloro-aniline water fltrd, ug/L (61625)	3,5-Di-chloro-aniline water, fltrd, ug/L (61627)	3-Hydroxy carbo-furan, wat flt 0.7u GF ug/L (49308)
NOV													
04...	<.03	<.006	<.1	<.005	<.005	<.006	--	<.004	--	<.01	<.004	<.005	--
DEC													
03...	<.03	<.006	<.1	<.005	<.005	<.006	--	<.004	--	<.01	<.004	<.005	--
JAN													
07...	<.03	<.006	<.1	<.005	<.005	<.006	--	<.004	--	<.01	<.004	<.005	--
21...	<.03	<.006	<.1	<.005	<.005	<.006	--	<.004	--	<.01	<.004	<.005	--
FEB													
04...	<.03	<.006	<.1	<.005	<.005	<.006	--	<.004	--	<.01	<.004	<.005	--
18...	<.03	<.006	<.1	<.005	<.005	<.006	--	<.004	--	<.01	<.004	<.005	--
MAR													
04...	<.03	<.006	<.1	<.005	<.005	<.006	--	<.004	--	<.01	<.004	<.005	--
19...	<.03	--	<.1	<.005	<.005	--	--	<.004	--	<.01	<.004	<.005	--
31...	<.03	--	<.1	<.005	<.005	--	--	<.004	--	<.01	<.004	<.005	--
APR													
14...	<.03	<.006	--	<.005	<.005	E.005	--	<.004	--	<.01	<.004	<.005	--
MAY													
06...	<.03	<.006	<.1	<.005	<.005	<.006	--	<.004	--	<.01	<.004	<.005	--
16...	<.03	<.006	<.1	<.005	<.005	E.004	--	<.004	--	<.01	<.004	<.005	--
JUN													
02...	<.03	<.006	<.1	<.005	<.005	E.005	--	<.004	--	<.01	<.004	<.005	--
16...	<.03	<.006	<.1	<.005	<.005	<.006	--	<.004mc	--	<.01mc	<.004	<.005	--
30...	--	<.006	--	--	--	<.006	<.04	--	<.008	--	--	--	<.006
AUG													
05...	<.03	<.006	<.1	<.005	<.005	<.006	--	<.004mc	--	<.01mc	.018	<.005	--
19...	<.03	<.006	<.1	<.005	<.005	<.006	--	<.004mc	--	<.01mc	<.004	<.005	--
SEP													
02...	<.03	<.006	<.1	<.005	<.005	E.003n	--	<.004mc	--	<.01mc	<.004	<.005	--

Date	3-Phen-oxy-benzyl alcohol water, fltrd, ug/L (61629)	4-(MeOH)-pendi-meth-alin, wat flt ug/L (61665)	4,4'-Di chloro-benzo-phen-one, wat flt ug/L (61631)	4Chloro phenyl-methyl sulfone water, fltrd, ug/L (61634)	Aceto-chlor, water, fltrd, ug/L (49260)	Aci-fluor-fen, water, fltrd 0.7u GF ug/L (49315)	Ala-chlor, water, fltrd, ug/L (46342)	Aldi-carb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldi-carb sulf-oxide, wat flt 0.7u GF ug/L (49314)	Aldi-carb, water, fltrd 0.7u GF ug/L (49312)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	alpha-HCH, water, fltrd, ug/L (34253)	Amino-methyl-phos-phonic acid, wat flt ug/L (62649)
NOV													
04...	<.05	--u	<.003	<.03	<.006	--	<.004	--	--	--	<.005	<.005	<.1
DEC													
03...	<.05	<.1	<.003	<.03	<.006	--	<.004	--	--	--	<.005	<.005	<.1
JAN													
07...	<.05	<.1	<.003	<.03	<.006	--	<.004	--	--	--	<.005	<.005	<.1
21...	<.05	<.1	<.003	<.03	<.006	--	<.004	--	--	--	<.005	<.005	<.1
FEB													
04...	<.05	<.1	<.003	<.03	<.006	--	<.004	--	--	--	<.005	<.005	<.1
18...	<.05	<.1	<.003	<.03	<.006	--	<.004	--	--	--	<.005	<.005	<.1
MAR													
04...	<.05	<.1	<.003	<.03	<.006	--	<.004	--	--	--	<.005	<.005	<.1
19...	<.05	<.1	<.003	<.03	--	--	--	--	--	--	<.005	--	<.1
31...	<.05	<.1	<.003	<.03	--	--	--	--	--	--	<.005	--	<.1
APR													
14...	--	--	<.003	<.03	<.006	--	<.007	--	--	--	<.005	<.005	<.1
MAY													
06...	<.05	<.1	<.003	<.03	<.006	--	<.004	--	--	--	<.005	<.005	<.1
16...	<.05	<.1	<.003	<.03	<.006	--	<.004	--	--	--	<.005	<.005	<.1
JUN													
02...	<.05	<.1	<.003	<.03	<.006	--	<.004	--	--	--	<.005	<.005	<.1
16...	<.05	<.1	<.003mc	<.03mc	<.006	--	<.004	--	--	--	<.005	<.005	<.1
30...	--	--	--	--	<.006	<.007	<.004	<.02	<.008	<.04	--	<.005	<.1
AUG													
05...	--u	--u	<.003mc	<.03mc	<.006	--	<.004	--	--	--	<.005	<.005	<.1
19...	--u	--u	<.003mc	<.03mc	<.006	--	<.004	--	--	--	<.005	<.005	<.1
SEP													
02...	--u	--u	<.003mc	<.03mc	<.006	--	<.004	--	--	--	<.005	<.005	<.1

02317797 LITTLE RIVER AT UPPER TY TY ROAD NEAR TIFTON, GA---continued.

Date	Atrazine, water, fltrd, ug/L (39632)	Azinphos-methyl oxon, water, fltrd, ug/L (61635)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Bendiocarb, water, fltrd, ug/L (50299)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Benomyl water, fltrd, ug/L (50300)	Bensulfuron, water, fltrd, ug/L (61693)	Bentazon, water, fltrd 0.7u GF ug/L (38711)	beta-Endosulfan, water, fltrd, ug/L (34357)	Bifenthrin, water, fltrd, ug/L (61580)	Bromacil, water, fltrd, ug/L (04029)	Bromoxynil, water, fltrd 0.7u GF ug/L (49311)	Caffeine, water, fltrd, ug/L (50305)
NOV													
04...	<.007	<.02	<.050	--	<.010	--	--	--	<.01	<.005	--	--	--
DEC													
03...	<.007	<.02	<.050	--	<.010	--	--	--	<.01	<.005	--	--	--
JAN													
07...	<.007	<.02	<.050	--	<.010	--	--	--	<.01	<.005	--	--	--
21...	<.007	<.02	<.050	--	<.010	--	--	--	<.01	<.005	--	--	--
FEB													
04...	<.007	<.02	<.050	--	<.010	--	--	--	<.01	<.005	--	--	--
18...	.016	<.12	<.050	--	<.010	--	--	--	<.01	<.005	--	--	--
MAR													
04...	<.007	<.02	<.050	--	<.010	--	--	--	<.01	<.005	--	--	--
19...	--	<.02	--	--	--	--	--	--	<.01	<.005	--	--	--
31...	--	<.02	--	--	--	--	--	--	<.01	<.005	--	--	--
APR													
14...	.036	<.02	<.050	--	<.010	--	--	--	<.01	<.005	--	--	--
MAY													
06...	.029	<.02	<.050	--	<.010	--	--	--	<.01	<.005	--	--	--
16...	.016	<.02	<.050	--	<.010	--	--	--	<.01	<.005	--	--	--
JUN													
02...	.017	<.02	<.050	--	<.010	--	--	--	<.01	<.005	--	--	--
16...	.012	<.02mc	<.050	--	<.010	--	--	--	<.01mc	<.005mc	--	--	--
30...	.011	--	<.050	<.03	<.010	<.004	<.02	E.01	--	--	<.03	<.02	E.010
AUG													
05...	.105	<.02mc	<.050	--	<.010	--	--	--	<.01mc	<.005mc	--	--	--
19...	.022	<.02mc	<.050	--	<.010	--	--	--	<.01mc	<.005mc	--	--	--
SEP													
02...	.017	<.02mc	<.050	--	<.010	--	--	--	<.01mc	<.005mc	--	--	--

Date	Carbaryl, water, fltrd 0.7u GF ug/L (49310)	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chloramben methyl ester, water, fltrd, ug/L (61188)	Chlorimuron, water, fltrd, ug/L (50306)	Chlorodiamino-s-triazine, wat flt ug/L (04039)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	cis-Propiconazole, water, fltrd, ug/L (79846)	Cyclo-ate, water, fltrd, ug/L (04031)	Cyfluthrin, water, fltrd, ug/L (61585)	Cyhalothrin, water, fltrd, ug/L (61595)	Cypermethrin water, fltrd, ug/L (61586)
NOV													
04...	--	--	<.020	--	--	--	<.06	<.006	<.008	<.005	<.008	<.009	<.009
DEC													
03...	--	--	<.020	--	--	--	<.06	<.006	<.008	<.005	<.008	<.009	<.009
JAN													
07...	--	--	<.020	--	--	--	<.06	<.006	<.008	<.005	<.008	<.009	<.009
21...	--	--	<.020	--	--	--	<.06	<.006	<.008	<.005	<.008	<.009	<.009
FEB													
04...	--	--	<.020	--	--	--	<.06	<.006	<.008	<.005	<.008	<.009	<.009
18...	--	--	<.020	--	--	--	<.06	<.006	<.008	<.005	<.008	<.009	<.009
MAR													
04...	--	--	<.020	--	--	--	<.06	<.006	<.008	<.005	<.008	<.009	<.009
19...	--	--	--	--	--	--	<.06	--	<.008	<.005	<.008	<.009	<.009
31...	--	--	--	--	--	--	<.06	--	<.008	<.005	<.008	<.009	<.009
APR													
14...	--	--	E.026	--	--	--	<.06	<.006	<.008	<.005	<.008	<.009	<.009
MAY													
06...	--	--	<.020	--	--	--	<.06	<.006	<.008	<.005	<.008	<.009	<.009
16...	--	--	<.020	--	--	--	<.06	<.006	<.008	<.005	<.008	<.009	<.009
JUN													
02...	--	--	<.020	--	--	--	<.06	<.006	<.008	<.005	<.008	<.009	<.009
16...	--	--	<.020	--	--	--	<.06mc	<.006	<.008	<.005	<.008mc	<.009	<.009mc
30...	<.03	<.006	<.020	<.02	<.010	<.01	--	<.006	--	<.01	--	--	--
AUG													
05...	--	--	<.020	--	--	--	<.06mc	<.006	<.008	<.005	<.008mc	<.009	<.009mc
19...	--	--	<.020	--	--	--	<.06mc	<.006	<.008	<.005	<.008mc	<.009	<.009mc
SEP													
02...	--	--	<.020	--	--	--	<.06mc	<.006	<.008	<.005	<.008mc	<.009	<.009mc

02317797 LITTLE RIVER AT UPPER TY TY ROAD NEAR TIFTON, GA---continued.

Date	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Dicamba water fltrd 0.7u GF ug/L (38442)	Di-chlor-prop, water, fltrd 0.7u GF ug/L (49302)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd 0.7u GF ug/L (82662)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphen-amid, water, fltrd, ug/L (04033)	Disulf-oton sulfone water, fltrd, ug/L (61640)	Disulf-oton sulf-oxide, water, fltrd, ug/L (61641)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	Diuron, water, fltrd 0.7u GF ug/L (49300)
NOV													
04...	--	<.003	<.005	--	--	<.005	<.006	--	--	<.02	<.002	<.02	--
DEC													
03...	--	<.003	<.005	--	--	<.005	<.006	--	--	<.02	<.002	<.02	--
JAN													
07...	--	<.003	<.005	--	--	<.005	<.006	--	--	<.02	<.002	<.02	--
21...	--	<.003	<.005	--	--	<.005	<.006	--	--	<.02	<.002	<.02	--
FEB													
04...	--	<.003	<.005	--	--	<.005	<.006	--	--	<.02	<.002	<.02	--
18...	--	<.003	<.005	--	--	<.005	<.006	--	--	<.02	<.002	<.02	--
MAR													
04...	--	<.003	<.005	--	--	<.005	<.006	--	--	<.02	<.002	<.02	--
19...	--	--	--	--	--	--	<.006	--	--	<.02	<.002	--	--
31...	--	--	--	--	--	--	<.006	--	--	<.02	<.002	--	--
APR													
14...	--	<.003	<.005	--	--	<.005	<.006	--	--	<.02	<.002	<.02	--
MAY													
06...	--	<.003	<.005	--	--	<.005	<.006	--	--	<.02	<.002	<.02	--
16...	--	<.003	<.005	--	--	<.005	<.006	--	--	<.02	<.002	<.02	--
JUN													
02...	--	<.003	<.005	--	--	<.005	<.006	--	--	<.02	<.002	<.02	--
16...	--	<.003	<.005	--	--	<.005	<.006mc	--	--	<.02	<.002mc	<.02	--
30...	<.01	<.003	<.005	<.01	<.01	<.005	--	<.01	<.03	--	--	<.02	E.04
AUG													
05...	--	<.003	<.005	--	--	<.005	<.006mc	--	--	<.02	<.002mc	<.02	--
19...	--	<.003	<.005	--	--	<.005	<.006mc	--	--	<.02	<.002mc	<.02	--
SEP													
02...	--	<.003	<.005	--	--	<.005	<.006mc	--	--	<.02	<.002mc	<.02	--

Date	e-Di-metho-morph, water, fltrd, ug/L (79844)	Endo-sulfan ether, water, fltrd, ug/L (61642)	Endo-sulfan sulfate water, fltrd, ug/L (61590)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)	Fen-thion sulf-oxide, water, fltrd, ug/L (61647)	Fen-thion, water, fltrd, ug/L (38801)
NOV													
04...	<.02	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02
DEC													
03...	<.02	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02
JAN													
07...	<.02	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02
21...	<.02	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02
FEB													
04...	<.02	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02
18...	<.02	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	--u	<.03	<.008	<.02
MAR													
04...	<.02	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02
19...	<.02	<.004	<.006	--	--	<.03	<.004	--	<.008	<.03	<.03	<.008	<.02
31...	<.02	<.004	<.006	--	--	<.03	<.004	--	<.008	<.03	<.03	<.008	<.02
APR													
14...	<.02	<.004	<.006	<.002	<.009	<.03	<.004	<.007	<.008	<.03	<.03	<.008	<.02
MAY													
06...	<.02	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02
16...	<.02	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02
JUN													
02...	<.02	<.004	<.006	<.050	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02
16...	<.02	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02
30...	--	--	--	<.002	<.009	--	--	<.005	--	--	--	--	--
AUG													
05...	<.02	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02
19...	<.02	<.004	<.006	<.020	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02
SEP													
02...	<.02	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02

02317797 LITTLE RIVER AT UPPER TY TY ROAD NEAR TIFTON, GA---continued.

Date	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Flume-tralin, water, fltrd, ug/L (61592)	Flumet-sulam, water, fltrd, ug/L (61694)	Fluo-meturon water fltrd 0.7u GF ug/L (38811)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Glufo-sinate, water, fltrd 0.7u GF ug/L (62721)	Glypho-sate, water, fltrd 0.7u GF ug/L (62722)	Hexa-zinone, water, fltrd, ug/L (04025)
NOV													
04...	--	<.009	<.005	<.005	<.007	<.004	--	--	<.002	<.003	<.1	<.1	<.013
DEC													
03...	--	<.009	<.005	<.005	<.007	<.004	--	--	<.002	<.003	<.1	<.1	<.013
JAN													
07...	--	<.009	<.005	<.005	<.007	<.004	--	--	<.002	<.003	<.1	<.1	<.013
21...	--	<.009	<.005	<.005	<.007	<.004	--	--	<.002	<.003	<.1	<.1	<.013
FEB													
04...	--	<.009	<.005	<.005	<.007	<.004	--	--	<.002	<.003	<.1	<.1	<.013
18...	--	<.009	<.005	<.005	<.007	<.004	--	--	<.002	<.003	<.1	<.1	<.013
MAR													
04...	--	<.009	<.005	<.005	<.007	<.004	--	--	<.002	<.003	<.1	<.1	<.013
19...	--	--	--	--	--	<.004	--	--	<.002	--	<.1	<.1	<.013
31...	--	--	--	--	--	<.004	--	--	<.002	--	<.1	<.1	<.013
APR													
14...	--	<.009	<.005	<.005	<.007	<.004	--	--	<.002	<.003	<.1	<.1	<.013
MAY													
06...	--	<.009	<.005	<.005	<.007	<.004	--	--	<.002	<.003	<.1	<.1	<.013
16...	--	<.009	<.005	<.005	<.007	<.004	--	--	<.002	<.003	<.1	<.1	<.013
JUN													
02...	--	<.009	<.005	<.005	<.007	<.004	--	--	<.002	<.003	<.1	<.1	E.009
16...	--	<.009	<.005	<.005	<.007	<.004	--	--	<.002mc	<.003	<.1	<.1	<.013
30...	<.03	<.009	<.005	<.005	<.007	--	<.01	E.02	--	<.003	<.1	<.1	--
AUG													
05...	--	<.009	<.005	<.005	<.007	<.004	--	--	<.002mc	<.003	<.1	<.1	E.011
19...	--	<.009	<.005	<.005	<.007	<.004	--	--	<.002mc	<.003	<.1	<.1	<.013
SEP													
02...	--	<.009	<.005	<.005	<.007	<.004	--	--	<.002mc	<.003	<.1	<.1	E.009

Date	Imaza-quin, water, fltrd, ug/L (50356)	Imaze-thapyr, water, fltrd, ug/L (50407)	Imida-cloprid water, fltrd, ug/L (61695)	Ipro-dione, water, fltrd, ug/L (61593)	Isofen-phos, water, fltrd, ug/L (61594)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (38478)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala-oxon, water, fltrd, ug/L (61652)	Mala-thion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Meta-laxyl, water, fltrd, ug/L (50359)
NOV													
04...	--	--	--	<1	<.003	<.004	--	<.035	<.008	<.027	--	--	--
DEC													
03...	--	--	--	<1	<.003	<.004	--	<.035	<.008	<.027	--	--	--
JAN													
07...	--	--	--	<1	<.003	<.004	--	<.035	<.008	<.027	--	--	--
21...	--	--	--	<1	<.003	<.004	--	<.035	<.008	<.027	--	--	--
FEB													
04...	--	--	--	<1	<.003	<.004	--	<.035	<.008	<.027	--	--	--
18...	--	--	--	<1	<.003	<.004	--	<.035	<.008	<.027	--	--	--
MAR													
04...	--	--	--	<1	<.003	<.004	--	<.035	<.008	<.027	--	--	--
19...	--	--	--	<1	<.003	--	--	--	<.008	--	--	--	--
31...	--	--	--	<1	<.003	--	--	--	<.008	--	--	--	--
APR													
14...	--	--	--	<1	<.003	<.004	--	<.035	<.008	<.027	--	--	--
MAY													
06...	--	--	--	<1	<.003	<.004	--	<.035	<.008	<.027	--	--	--
16...	--	--	--	<1	<.003	<.004	--	<.035	<.008	<.027	--	--	--
JUN													
02...	--	--	--	<1	<.003	<.004	--	<.035	<.008	<.027	--	--	--
16...	--	--	--	<1mc	<.003	<.004	--	<.035	<.008	<.027	--	--	--
30...	<.02	<.02	<.007	--	--	<.004	<.01	<.035	--	<.027	<.02	<.01	<.02
AUG													
05...	--	--	--	<1mc	<.003	<.004	--	<.035	<.008	<.027	--	--	--
19...	--	--	--	<1mc	<.003	<.004	--	<.035	<.008	<.027	--	--	--
SEP													
02...	--	--	--	<1mc	<.003	<.004	--	<.035	<.008	<.027	--	--	--

02317797 LITTLE RIVER AT UPPER TY TY ROAD NEAR TIFTON, GA---continued.

Date	Meta-laxyl, water, fltrd, ug/L (61596)	Methi-althion water, fltrd, ug/L (61598)	Methio-carb, water, fltrd 0.7u GF ug/L (38501)	Meth-omyl, water, fltrd 0.7u GF ug/L (49296)	c-Per-methric acid methyl ester, wat flt ug/L (79842)	Methyl para-oxon, water, fltrd, ug/L (61664)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	t-Per-methric acid methyl ester, wat flt ug/L (79843)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Metsul-furon, water, fltrd, ug/L (61697)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Myclo-butanil water, fltrd, ug/L (61599)
NOV													
04...	<.005	<.006	--	--	<.04	<.03	<.006	<.03	<.013	<.006	--	<.002	<.008
DEC													
03...	<.005	<.006	--	--	<.04	<.03	<.006	<.03	E.003n	<.006	--	<.002	<.008
JAN													
07...	<.005	<.006	--	--	<.04	<.03	<.006	<.03	E.009n	<.006	--	<.002	<.008
21...	<.005	<.006	--	--	<.04	<.03	<.006	<.03	E.007	<.006	--	<.002	<.008
FEB													
04...	<.005	<.006	--	--	<.04	<.03	<.006	<.03	E.010	<.006	--	<.002	<.008
18...	<.005	<.006	--	--	<.04	<.03	<.006	<.03	.014	<.006	--	<.002	<.008
MAR													
04...	<.005	<.006	--	--	<.04	<.03	<.006	<.03	<.013n	<.006	--	<.002	<.008
19...	<.005	<.006	--	--	<.04	<.03	--	<.03	--	--	--	--	<.008
31...	<.005	<.006	--	--	<.04	<.03	--	<.03	--	--	--	--	<.008
APR													
14...	<.005	<.006	--	--	<.04	<.03	<.006	<.03	.017	<.006	--	<.002	<.008
MAY													
06...	<.005	<.006	--	--	<.04	<.03	<.006	<.03	E.011	<.006	--	<.002	<.008
16...	<.005	<.006	--	--	<.04	<.03	<.006	<.03	E.006	<.006	--	<.002	<.008
JUN													
02...	<.005	<.006	--	--	<.04	<.03	<.006	<.03	E.009	<.006	--	<.004	<.008
16...	<.005	<.006	--	--	<.04	<.03mc	<.006	<.03	.013	<.006	--	<.002	<.008
30...	--	--	<.008	<.004	--	--	<.006	--	.016	<.006	<.03	<.002	--
AUG													
05...	<.005	<.006	--	--	<.04	<.03mc	<.006	<.03	.015	.027	--	<.002	<.008
19...	<.005	<.006	--	--	<.04	<.03mc	<.006	<.03	.014	<.006	--	<.002	<.008
SEP													
02...	<.005	<.006	--	--	<.04	<.03mc	<.006	<.03	E.013n	<.006	--	<.002	<.008

Date	N-(4-Chloro-phenyl) -N'-methyl-urea, ug/L (61692)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nico-sul-furon, water, fltrd, ug/L (50364)	Norflur-azon, water, fltrd 0.7u GF ug/L (49293)	O-Et-O-Me-S-Pr -phos-phoro-thioate wat flt ug/L (61660)	Ory-zalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	Oxy-fluor-fen, water, fltrd, ug/L (61600)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-oxon, water, fltrd, ug/L (61663)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)
NOV													
04...	--	<.007	--	--	--	<.008	--	--	<.007	<.003	<.008	<.010	<.004
DEC													
03...	--	<.007	--	--	--	<.008	--	--	<.007	<.003	<.008	<.010	<.004
JAN													
07...	--	<.007	--	--	--	<.008	--	--	<.007	<.003	<.008	<.010	<.004
21...	--	<.007	--	--	--	<.008	--	--	<.007	<.003	<.008	<.010	<.004
FEB													
04...	--	<.007	--	--	--	<.008	--	--	<.007	<.003	<.008	<.010	<.004
18...	--	<.007	--	--	--	<.008	--	--	<.007	<.003	<.008	<.010	<.004
MAR													
04...	--	<.007	--	--	--	<.008	--	--	<.007	<.003	<.008	<.010	<.004
19...	--	--	--	--	--	<.008	--	--	<.007	--	<.008	--	--
31...	--	--	--	--	--	<.008	--	--	<.007	--	<.008	--	--
APR													
14...	--	<.007	--	--	--	<.008	--	--	<.007	E.002n	<.008	<.010	<.005
MAY													
06...	--	<.007	--	--	--	<.008	--	--	<.007	<.003	<.008	<.010	<.004
16...	--	<.007	--	--	--	<.008	--	--	<.007	<.003	<.008	<.010	<.004
JUN													
02...	--	<.007	--	--	--	<.008	--	--	<.007	<.003	<.008	<.010	<.004
16...	--	<.007	--	--	--	<.008	--	--	<.007	<.003	<.008	<.010	<.004
30...	<.02	<.007	<.01	<.01	E.01	--	<.02	<.01	--	<.003	--	<.010	<.004
AUG													
05...	--	<.007	--	--	--	<.008	--	--	<.007	<.003	<.008	<.010	<.004
19...	--	<.007	--	--	--	<.008	--	--	<.007	<.003	<.008	<.010	<.004
SEP													
02...	--	<.007	--	--	--	<.008	--	--	<.007	<.003	<.008	<.010	<.004

02317797 LITTLE RIVER AT UPPER TY TY ROAD NEAR TIFTON, GA---continued.

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Phostebupirim water, fltrd, ug/L (61602)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Profenofos water, fltrd, ug/L (61603)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)
NOV													
04...	<.022	<.10	<.011	<.06	<.008	<.005	--	<.006	<.01	<.005	<.004	<.010	<.011
DEC													
03...	<.022	<.10	<.011	<.06	<.008	<.005	--	<.006	E.01n	<.005	<.004	<.010	<.011
JAN													
07...	<.022	<.10	<.011	<.06	<.008	<.005	--	<.006	Mn	<.005	<.004	<.010	<.011
21...	<.022	<.10	<.011	<.06	<.008	<.005	--	<.006	<.01	<.005	<.004	<.010	<.011
FEB													
04...	<.022	<.10	<.011	<.06	<.008	<.005	--	<.006	<.01	<.005	<.004	<.010	<.011
18...	<.022	<.10	<.011	<.06	<.008	<.005	--	<.006	<.01	<.005	<.004	<.010	<.011
MAR													
04...	<.022	<.10	<.011	<.06	<.008	<.005	--	<.006	<.01	<.005	<.004	<.010	<.011
19...	--	<.10	--	<.06	<.008	<.005	--	<.006	--	<.005	--	--	--
31...	--	<.10	--	<.06	<.008	<.005	--	<.006	--	<.005	--	--	--
APR													
14...	<.022	<.10	<.011	<.06	<.008	<.005	--	<.006	E.01n	E.005	<.004	<.010	<.011
MAY													
06...	<.022	<.10	<.011	<.06	<.008	<.005	--	<.006	<.01	<.005	<.004	<.010	<.011
16...	<.022	<.10	<.011	<.06	<.008	<.005	--	<.006	E.01	<.005	<.004	<.010	<.011
JUN													
02...	<.022	<.10	<.011	<.06	<.008	<.005	--	<.006	E.01	<.005	<.004	<.010	<.011
16...	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005	--	<.006	.07	<.005	<.004	<.010	<.011
30...	<.022	--	<.011	--	--	--	<.02	--	.04	--	<.004	<.010	<.011
AUG													
05...	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005	--	<.006	<.01	.007	<.004	<.010	<.011
19...	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005	--	<.006	E.01n	.008	<.004	<.010	<.011
SEP													
02...	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005	--	<.006	E.01n	.006	<.004	<.010	<.011

Date	Propargite, water, fltrd 0.7u GF ug/L (82685)	Propetamphos, water, fltrd, ug/L (61604)	Propham water fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Proxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Simazine, water, fltrd, ug/L (04035)	Sulfometruron, water, fltrd, ug/L (50337)	Sulfotepp, water, fltrd, ug/L (61605)	Sulprofos, water, fltrd, ug/L (38716)	Tebupirimphos oxon, water, fltrd, ug/L (61669)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Tefluthrin metabolite R119365 wat flt ug/L (61671)
NOV													
04...	<.02	<.004	--	--	--	--	<.005	--	<.003	<.02	<.006	<.02	<.02
DEC													
03...	<.02	<.004	--	--	--	--	.010	--	<.003	<.02	<.006	<.02	<.02
JAN													
07...	<.02	<.004	--	--	--	--	.085	--	<.003	<.02	<.006	<.02	<.02
21...	<.02	<.004	--	--	--	--	.045	--	<.003	<.02	<.006	<.02	<.02
FEB													
04...	<.02	<.004	--	--	--	--	.038	--	<.003	<.02	<.006	<.02	<.02
18...	<.02	<.004	--	--	--	--	.025	--	<.003	<.02	<.006	<.02	<.02
MAR													
04...	<.02	<.004	--	--	--	--	<.005	--	<.003	<.02	<.006	<.02	<.02
19...	--	<.004	--	--	--	--	--	--	<.003	<.02	<.006	--	<.02
31...	--	<.004	--	--	--	--	--	--	<.003	<.02	<.006	--	--
APR													
14...	<.02	<.004	--	--	--	--	.029	--	<.003	<.02	<.006	E.01n	--
MAY													
06...	<.02	<.004	--	--	--	--	<.005	--	<.003	<.02	<.006	<.02	--
16...	<.02	<.004	--	--	--	--	<.005	--	<.003	<.02	<.006	E.01	--
JUN													
02...	<.02	<.004	--	--	--	--	<.005	--	<.003	<.02	<.006	E.01	--
16...	<.02	<.004	--	--	--	--	.013	--	<.003mc	<.02mc	<.006	<.02	--
30...	<.02	--	<.010	<.02	<.008	<.02	<.005	<.009	--	--	--	<.02	--
AUG													
05...	<.02	<.004	--	--	--	--	<.005	--	<.003mc	<.02mc	<.006	<.02	--
19...	<.02	<.004	--	--	--	--	<.005	--	<.003mc	<.02mc	<.006	E.01t	--
SEP													
02...	<.02	<.004	--	--	--	--	<.005	--	<.003mc	<.02mc	<.006	<.02	--

02317797 LITTLE RIVER AT UPPER TY TY ROAD NEAR TIFTON, GA---continued.

Date	Teflu-thrin metab-olite R152913 wat flt ug/L (61672)	Teflu-thrin, water, fltrd, ug/L (61606)	Teme-phos, water, fltrd, ug/L (61607)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terba-cil, water, fltrd, ug/L (04032)	Ter-bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Ter-buthyl-azine, water, fltrd, ug/L (04022)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	trans-Propi-cona-zole, water, fltrd, ug/L (79847)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-benuron water, fltrd, ug/L (61159)	Tribu-phos, water, fltrd, ug/L (61610)
NOV													
04...	<.01	<.008	<.3	<.034	--	<.07	<.02	<.01	<.005	<.01	<.002	--	<.004
DEC													
03...	<.01	<.008	<.3	<.034	--	<.07	<.02	<.01	<.005	<.01	<.002	--	<.004
JAN													
07...	<.01	<.008	<.3	<.034	--	<.07	<.02	<.01	<.005	<.01	<.002	--	<.004
21...	<.01	<.008	<.3	<.034	--	<.07	<.02	<.01	<.005	<.01	<.002	--	<.004
FEB													
04...	<.01	<.008	<.3	<.034	--	<.07	<.02	<.01	<.005	<.01	<.002	--	<.004
18...	<.01	<.008	<.3	<.034	--	<.07	<.02	<.01	<.005	<.01	<.002	--	<.004
MAR													
04...	<.01	<.008	<.3	<.034	--	<.07	<.02	<.01	<.005	<.01	<.002	--	<.004
19...	<.01	<.008	<.3	--	--	<.07	--	<.01	--	<.01	--	--	<.004
31...	--	<.008	<.3	--	--	<.07	--	<.01	--	<.01	--	--	<.004
APR													
14...	--	<.008	<.3	<.034	--	<.07	<.02	<.01	<.005	<.01	<.002	--	<.004
MAY													
06...	--	<.008	<.3	<.034	--	<.07	<.02	<.01	<.005	<.01	<.002	--	<.004
16...	--	<.008	<.3	<.034	--	<.07	<.02	<.01	<.005	<.01	<.002	--	<.004
JUN													
02...	--	<.008	<.3	<.034	--	<.07	<.02	<.01	<.005	<.01	<.002	--	<.004
16...	--	<.008mc	<.3mc	<.034	--	<.07	<.02	<.01	<.005	<.01	<.002	--	<.004mc
30...	--	--	--	<.034	<.010	--	<.02	--	<.005	--	<.002	--u	--
AUG													
05...	--	<.008mc	<.3mc	<.034	--	<.07	<.02	<.01	<.005	<.01	<.002	--	<.004mc
19...	--	<.008mc	<.3mc	<.034	--	<.07	<.02	<.01	<.005	<.01	<.002	--	<.004mc
SEP													
02...	--	<.008mc	<.3mc	<.034	--	<.07	<.02	<.01	<.005	<.01	<.002	--	<.004mc

Date	Tri-clopyr, water, fltrd 0.7u GF ug/L (49235)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	z-Di-metho-morph, water, fltrd, ug/L (79845)	Di-chlor-vos, water fltrd, ug/L (38775)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment load, tons/d (80155)	Sample purpose code (71999)	Sampler type, code (84164)
NOV									
04...	--	<.009	<.05	<.01	74	19	.72	15.00	3070
DEC									
03...	--	<.009	<.05	<.01	95	6	.99	15.00	3060
JAN									
07...	--	<.009	<.05	<.01	88	14	6.6	15.00	3060
21...	--	<.009	<.05	<.01	88	8	1.5	15.00	3060
FEB									
04...	--	<.009	<.05	<.01	79	4	.54	15.00	3060
18...	--	<.009	<.05	<.01	90	4	1.9	15.00	3060
MAR									
04...	--	<.009	<.05	<.01	94	9	22	15.00	3060
19...	--	--	<.05	<.01	90	1	1.5	15.00	3060
31...	--	--	<.05	<.01	100	6	2.5	15.00	3060
APR									
14...	--	<.009	<.05	<.01	100	7	6.5	15.00	3060
MAY									
06...	--	<.009	<.05	<.01	100	5	1.3	15.00	3060
16...	--	<.009	<.05	<.01	100	15	.22	15.00	3070
JUN									
02...	--	<.009	<.05	<.01	--	--	--	15.00	3070
16...	--	<.009	<.05	<.01mc	100	3	.39	15.00	3070
30...	<.02	<.009	--	--	100	4	.16	15.00	3070
AUG									
05...	--	<.009	<.05	<.01mc	100	13	31	15.00	3051
19...	--	<.009	<.05	<.01mc	100	4	.93	15.00	3060
SEP									
02...	--	<.009	<.05	<.01mc	100	3	.79	15.00	3061

02317797 LITTLE RIVER AT UPPER TY TY ROAD NEAR TIFTON, GA---continued.

Date	Time	Medium code	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)
MAY							
13...	1140	D	80020	16.500	57	73.70	.8

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

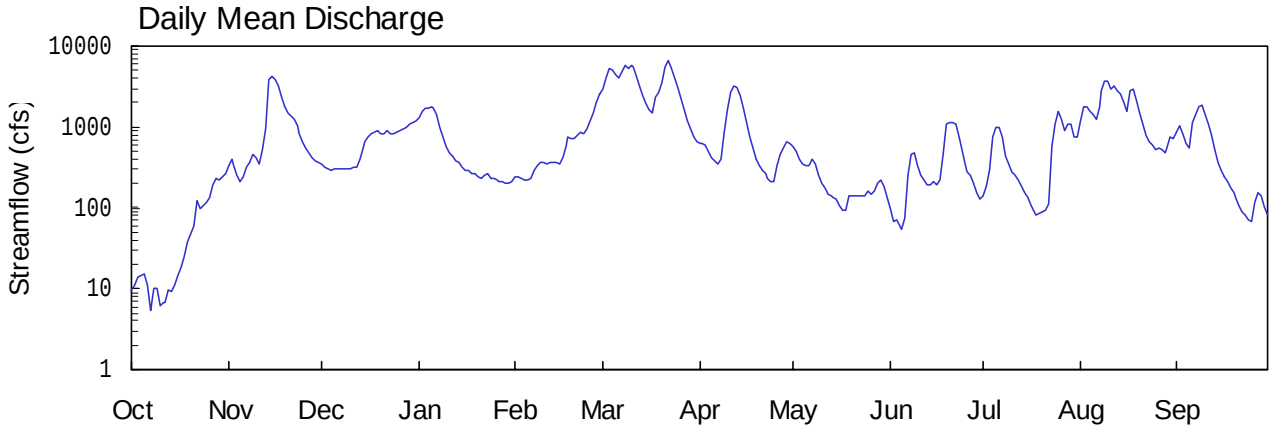
Value qualifier codes used in this report:
   + -- Improper preservation
   c -- See laboratory comment
   m -- Highly var comp using method, ? prec
   n -- Below the NDV
   t -- Below the long-term MDL

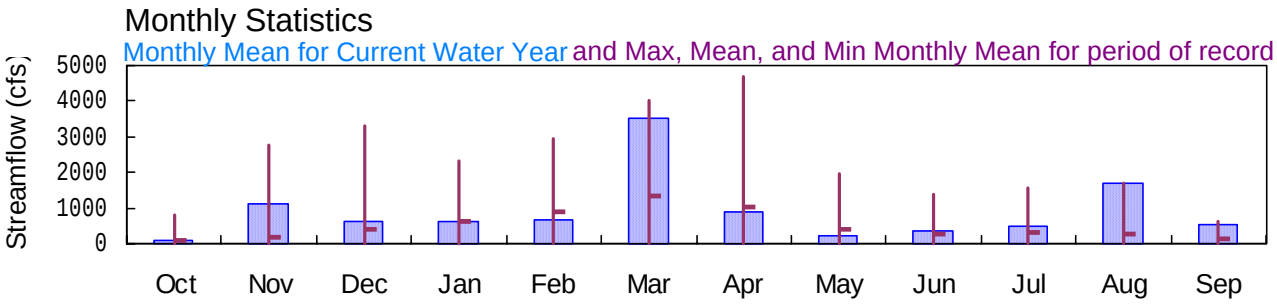
Null value qualifier codes used in this report:
   u -- Unable to determine-matrix interference

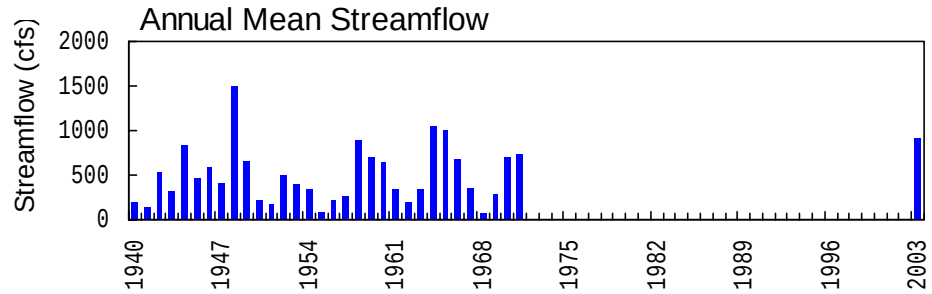
2003 Water Year

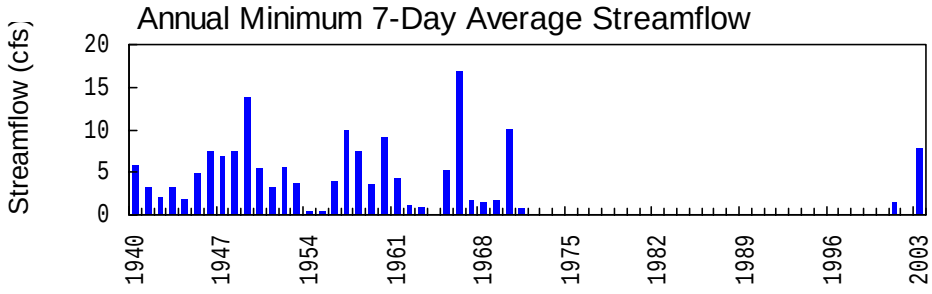
02318000 LITTLE RIVER NEAR ADEL, GA

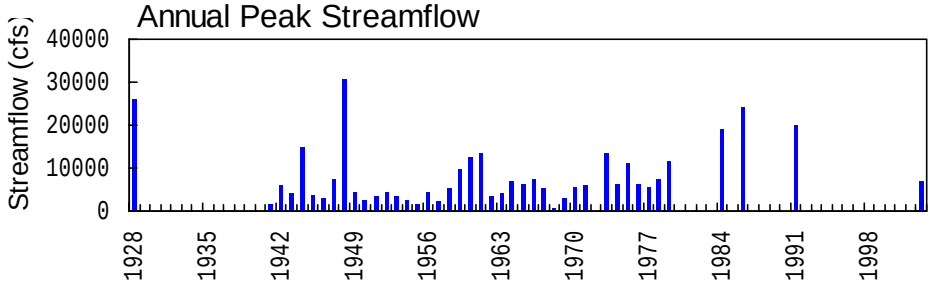
Latitude: 31°09'18" Longitude: 083°32'38" Hydrologic Unit Code: 03110204 Cook County
Drainage Area: 577.0 mi² Datum: 190.0 feet

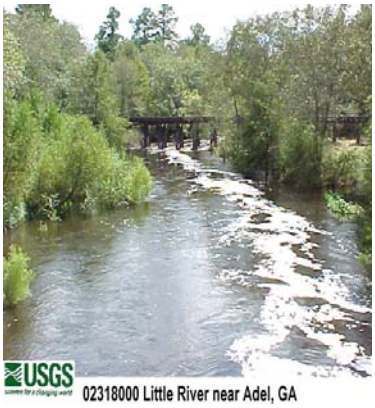












SUWANNEE RIVER BASIN
2003 Water Year

02318000 LITTLE RIVER NEAR ADEL, GA

LOCATION.—Lat 31°19'39", long 83°32'32", referenced to North American Datum (NAD) of 1983, Cook County, Hydrologic Unit 03110204, at bridge located just below dam at Reed Bingham State Park, 5.3 miles northwest of Adel.

DRAINAGE AREA.—570 square miles.

COOPERATION.—Georgia Geologic Survey, Suwannee River Water Management District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 12, 1940 to September 30, 1971, October 1, 2002 to September 30, 2003.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 168.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). From June 12, 1940 to September 30, 1971, a water-stage recorder was installed at a location approximately 500 yards downstream at a gage datum of 171.08 feet above National Geodetic Vertical Datum (NGVD) of 1929.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood in August of 1928 reached a stage of 20.5 feet, from information by Georgia State Highway Department, discharge 33,200 cfs, from rating curve extended above 13,000 cfs on basis of contracted-opening measurement of peak flow. Maximum stage known since at least 1927 occurred on April 2, 1948.

REMARKS.—Records fair.

02318000 LITTLE RIVER NEAR ADEL, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 12, 1940 to September 30, 1971, October 1, 2002 to September 30, 2003.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 168.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). From June 12, 1940 to September 30, 1971, a water-stage recorder was installed at a location approximately 500 yards downstream at a gage datum of 171.08 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 16.77 feet, March 22; minimum gage-height recorded, 2.37 feet, October 8, 12-15.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 1, 2002 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02318000 LITTLE RIVER NEAR ADEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 075
LATITUDE 310918 LONGITUDE 0833238 NAD83 DRAINAGE AREA 577.00 CONTRIBUTING DRAINAGE AREA 577.00* DATUM 190.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	329	343	1320	241	2890	636	e572	97	142	1210	861
2	11	393	319	1540	238	4050	637	e504	67	186	1800	1060
3	14	330	303	1690	229	5380	590	402	70	287	1780	834
4	14	250	291	1730	224	5180	504	355	60	757	1540	633
5	15	207	304	1760	222	4370	415	326	53	998	1440	538
6	11	244	e308	1730	235	4010	378	339	74	1000	1230	1120
7	5.3	323	e308	1410	296	4920	346	391	249	752	1790	1400
8	10	363	e306	1010	340	5860	406	341	465	445	2790	1750
9	10	452	e299	747	365	5300	866	253	478	352	3750	1850
10	6.2	409	e309	584	368	5810	1610	205	328	280	3660	1450
11	6.7	343	313	488	355	5500	2630	173	251	255	2970	1060
12	6.9	530	315	e434	363	4310	3250	146	218	216	3230	774
13	9.6	e949	406	379	370	3220	3080	139	193	181	2760	526
14	9.2	3840	546	357	359	2480	2410	136	191	156	2550	359
15	e11	4290	648	318	352	1930	1670	131	210	131	2030	287
16	e15	3930	756	297	414	1590	1110	e106	e192	108	1560	241
17	e19	3170	821	285	582	1490	755	e95	217	89	2840	213
18	e25	2380	864	e261	737	2350	537	e92	459	81	2970	179
19	e37	1780	910	e266	733	2660	401	141	1100	85	2170	154
20	e48	1470	837	e248	722	3540	328	140	1120	88	1480	132
21	e58	1330	821	e230	788	5490	289	e140	1160	93	1060	106
22	124	1250	898	251	869	6710	260	141	1090	114	781	88
23	96	1050	817	260	840	5400	234	141	770	573	644	81
24	e109	828	e836	233	932	4040	209	142	491	1090	605	70
25	e120	665	e870	230	1200	3040	215	162	332	1550	534	69
26	132	550	e901	223	1490	2200	340	147	281	1250	545	119
27	196	474	e928	212	2060	1600	464	e158	249	914	528	156
28	228	420	e989	212	2600	1190	555	e198	198	1060	482	139
29	226	380	e1060	204	---	934	657	219	154	1070	558	104
30	239	358	e1120	201	---	769	639	181	131	750	745	82
31	262	---	e1210	209	---	659	---	131	---	758	724	---
TOTAL	2083.4	33287	19956	19319	18524	108872	26421	6747	10948	15811	52756	16435
MEAN	67.2	1110	644	623	662	3512	881	218	365	510	1702	548
MAX	262	4290	1210	1760	2600	6710	3250	572	1160	1550	3750	1850
MIN	5.3	207	291	201	222	659	209	92	53	81	482	69
CFSM	0.12	1.92	1.12	1.08	1.15	6.09	1.53	0.38	0.63	0.88	2.95	0.95
IN.	0.13	2.15	1.29	1.25	1.19	7.02	1.70	0.43	0.71	1.02	3.40	1.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2003, BY WATER YEAR (WY)

MEAN	105	169	415	619	914	1338	1034	422	263	327	281	132
MAX	804	2768	3311	2337	2936	4000	4688	1967	1397	1582	1702	618
(WY)	1965	1948	1948	1964	1965	1944	1948	1971	1970	1945	2003	1953
MIN	0.68	1.54	2.90	3.11	2.96	3.53	3.22	2.78	2.90	2.92	2.45	1.16
(WY)	1955	1955	2001	2001	2001	2001	2001	2001	2001	2001	1954	1954

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 1940 - 2003	
ANNUAL TOTAL	331159.4			
ANNUAL MEAN	907		516	
HIGHEST ANNUAL MEAN			1499	1948
LOWEST ANNUAL MEAN			75.9	1968
HIGHEST DAILY MEAN	6710	Mar 22	35400	Apr 2 1948
LOWEST DAILY MEAN	5.3	Oct 7	0.00	May 26 1964
ANNUAL SEVEN-DAY MINIMUM	7.8	Oct 7	0.00	May 26 1964
MAXIMUM PEAK FLOW	6880	Mar 22	6880	Mar 22 2003
MAXIMUM PEAK STAGE	16.77	Mar 22	16.77	Mar 22 2003
INSTANTANEOUS LOW FLOW	2.8	Oct 8	2.8	Oct 8 2002
ANNUAL RUNOFF (CFSM)	1.57		0.89	
ANNUAL RUNOFF (INCHES)	21.35		12.16	
10 PERCENT EXCEEDS	2570		1450	
50 PERCENT EXCEEDS	406		123	
90 PERCENT EXCEEDS	93		6.2	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02318000 LITTLE RIVER NEAR ADEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 075
LATITUDE 310918 LONGITUDE 0833238 NAD83 DRAINAGE AREA 577.00 CONTRIBUTING DRAINAGE AREA 577.00* DATUM 190.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.58	4.99	5.07	8.96	4.47	12.67	6.39	---	3.39	3.72	8.60	7.03
2	2.61	5.32	4.95	9.59	4.45	14.29	6.39	---	3.14	4.03	10.31	8.06
3	2.66	5.00	4.86	9.99	4.40	15.62	6.19	5.33	3.17	4.66	10.27	6.88
4	2.67	4.53	4.79	10.12	4.37	15.46	5.81	5.09	3.08	6.88	9.58	5.73
5	2.65	4.26	4.86	10.19	4.35	14.73	5.41	4.93	3.01	7.85	9.30	5.23
6	2.57	4.49	---	10.10	4.43	14.26	5.21	5.00	3.21	7.87	8.68	8.18
7	2.46	4.97	---	9.21	4.82	15.21	5.04	5.27	4.43	6.86	10.29	9.20
8	2.56	5.17	---	7.89	5.06	15.99	5.33	5.00	5.63	5.53	12.48	10.17
9	2.58	5.59	---	6.84	5.18	15.56	7.31	4.47	5.68	5.07	13.91	10.45
10	2.49	5.39	---	6.16	5.19	15.95	9.78	4.16	4.93	4.65	13.79	9.35
11	2.51	5.07	4.91	5.74	5.13	15.71	12.17	3.94	4.46	4.48	12.84	8.06
12	2.49	5.92	4.93	---	5.17	14.61	13.25	3.75	4.24	4.23	13.23	6.65
13	2.54	---	5.37	5.25	5.21	13.19	12.99	3.70	4.08	4.00	12.42	5.39
14	2.55	14.01	6.00	5.14	5.15	11.87	11.74	3.68	4.06	3.82	12.00	4.65
15	---	14.63	6.43	4.94	5.12	10.67	9.96	3.64	4.19	3.65	10.90	4.31
16	---	14.15	6.87	4.82	5.41	9.73	8.26	---	---	3.48	9.65	4.07
17	---	13.11	7.15	4.75	6.15	9.46	6.87	---	4.24	3.33	12.48	3.94
18	---	11.66	7.32	---	6.80	11.60	5.95	---	5.53	3.27	12.79	3.77
19	---	10.26	7.51	---	6.78	12.22	5.32	3.72	8.23	3.30	11.20	3.65
20	---	9.41	7.21	---	6.74	13.61	4.94	3.70	8.29	3.32	9.42	3.56
21	---	9.03	7.14	---	7.01	15.70	4.71	---	8.44	3.36	8.04	3.43
22	3.72	8.76	7.46	4.53	7.34	16.64	4.52	3.71	8.20	3.52	6.58	3.33
23	3.51	8.04	7.12	4.59	7.22	15.63	4.34	3.71	6.93	6.04	5.79	3.32
24	---	7.17	---	4.42	7.59	14.29	4.18	3.72	5.74	8.20	5.57	3.28
25	---	6.50	---	4.40	8.57	12.90	4.22	3.86	4.96	9.62	5.19	3.31
26	3.77	6.01	---	4.36	9.45	11.29	4.99	3.75	4.66	8.73	5.24	3.69
27	4.19	5.68	---	4.29	10.94	9.74	5.62	---	4.45	7.52	5.17	3.95
28	4.39	5.45	---	4.29	12.11	8.53	6.03	---	4.11	8.08	4.97	3.83
29	4.38	5.25	---	4.24	---	7.60	6.47	4.25	3.80	8.10	5.34	3.59
30	4.46	5.15	---	4.22	---	6.93	6.40	3.99	3.64	6.85	6.37	3.41
31	4.60	---	---	4.27	---	6.48	---	3.65	---	6.88	6.25	---
MEAN	---	---	---	---	6.24	12.84	6.86	---	---	5.51	9.31	5.45
MAX	---	---	---	---	12.11	16.64	13.25	---	---	9.62	13.91	10.45
MIN	---	---	---	---	4.35	6.48	4.18	---	---	3.27	4.97	3.28

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02318000 LITTLE RIVER NEAR ADEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 075
LATITUDE 310918 LONGITUDE 0833238 NAD83 DRAINAGE AREA 577.00 CONTRIBUTING DRAINAGE AREA 577.00* DATUM 190.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

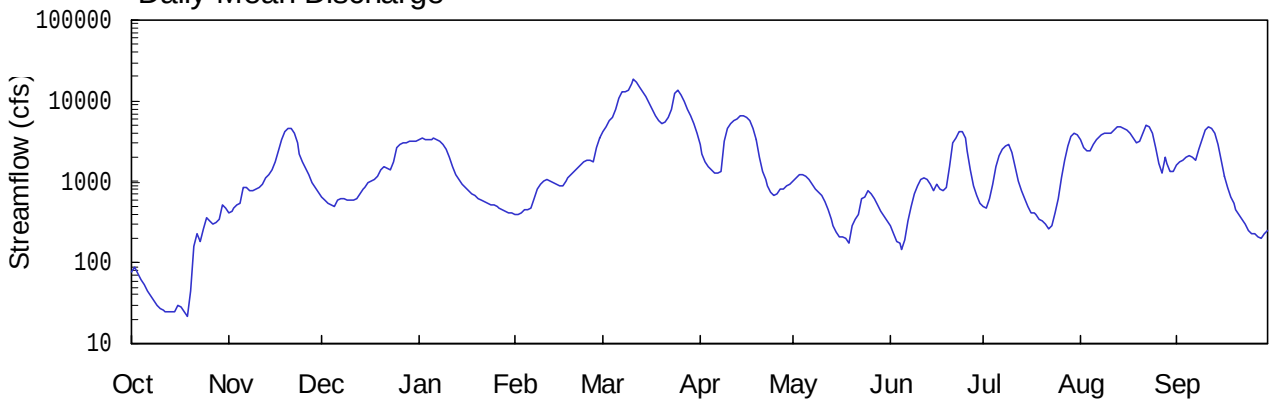
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.43	0.00	0.95	0.00	0.23	0.00	0.45	0.24	0.00
2	0.00	0.00	0.00	0.00	0.00	0.05	0.00	1.04	0.00	0.54	0.22	0.00
3	0.00	0.02	0.00	0.00	0.01	---	0.00	0.17	0.65	1.28	0.69	0.26
4	0.00	0.01	0.00	0.00	0.08	---	0.00	0.00	0.01	0.06	2.53	0.00
5	0.00	0.41	0.55	0.00	0.00	---	0.00	0.00	0.00	0.16	0.01	1.37
6	0.00	1.51	---	0.00	1.04	---	0.00	0.00	0.55	0.01	0.00	0.00
7	0.00	0.00	---	0.00	0.07	1.25	0.35	0.00	1.65	0.00	0.37	0.00
8	0.39	0.00	---	0.00	0.00	0.31	1.78	0.00	0.07	0.00	0.05	0.00
9	0.01	0.01	---	0.00	0.13	0.78	0.65	0.00	0.00	0.00	0.10	0.14
10	0.00	0.01	---	0.00	0.22	0.01	0.69	0.00	0.00	0.00	0.00	0.00
11	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	1.12	0.03	0.00	0.00	0.00	0.00	0.04	0.00	0.11	0.14	0.00
13	0.36	---	1.03	0.00	0.00	0.07	0.00	0.00	0.25	0.00	0.02	0.00
14	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.31	0.00	0.04	0.00
15	---	0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.05	0.00
16	---	0.91	0.00	0.00	1.20	0.00	0.00	0.01	0.43	0.00	1.93	0.00
17	---	0.06	0.00	0.00	0.00	0.01	0.00	0.00	---	0.00	0.10	0.00
18	---	0.00	0.00	0.00	0.00	0.00	0.00	0.93	1.80	0.00	0.02	0.00
19	---	0.00	0.08	0.00	0.00	0.57	0.00	0.34	0.00	0.04	0.00	0.00
20	---	0.00	0.55	0.00	0.00	2.06	0.00	0.00	0.21	0.00	0.00	0.00
21	---	0.00	0.00	0.00	0.01	0.01	0.02	0.00	0.00	0.00	0.08	0.14
22	---	0.00	---	0.10	0.48	0.00	0.00	0.92	0.00	0.86	0.17	0.13
23	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.06
24	---	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	1.47	0.00	0.00
25	---	0.00	---	0.00	0.00	0.00	0.76	0.00	0.00	0.28	0.00	0.13
26	0.01	0.00	---	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.01
27	0.00	0.00	---	0.00	1.66	0.32	0.00	0.00	0.00	0.00	0.20	0.00
28	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.01	0.00
29	1.03	0.00	---	0.00	---	0.03	0.00	0.00	0.11	0.42	0.48	0.00
30	0.01	0.00	---	0.13	---	0.13	0.00	0.00	0.44	0.54	0.26	0.00
31	0.00	---	---	0.00	---	0.00	---	0.00	---	0.34	0.00	---
TOTAL	---	---	---	0.66	5.38	---	4.25	3.71	---	6.71	7.71	2.24

2003 Water Year

02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA

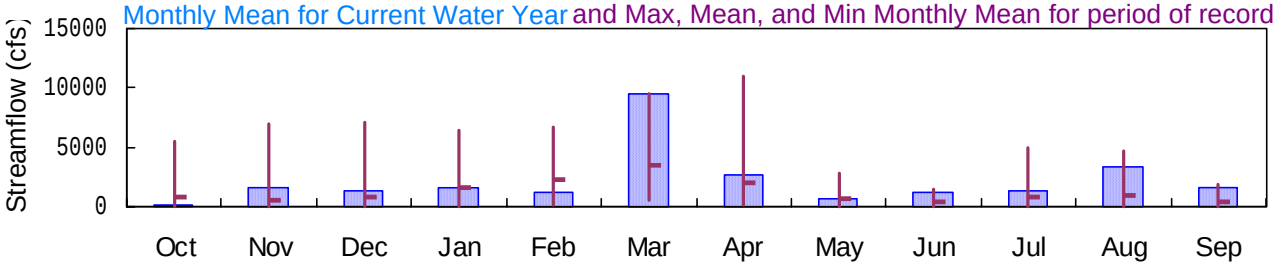
Latitude: 30°47'35" Longitude: 083°27'13" Hydrologic Unit Code: 03110203 Brooks County
Drainage Area: 148 mi^2 Datum: 84.3 feet

Daily Mean Discharge

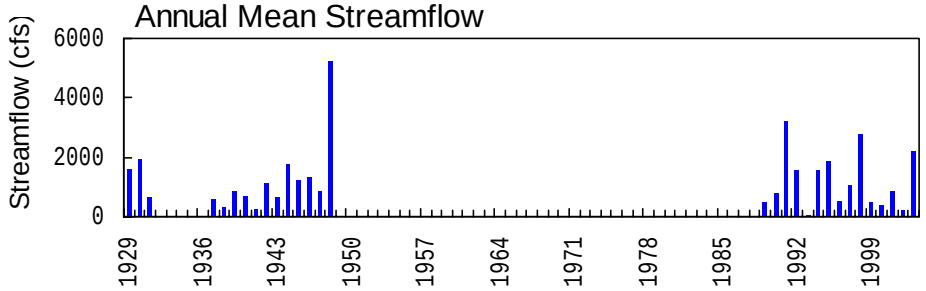


Monthly Statistics

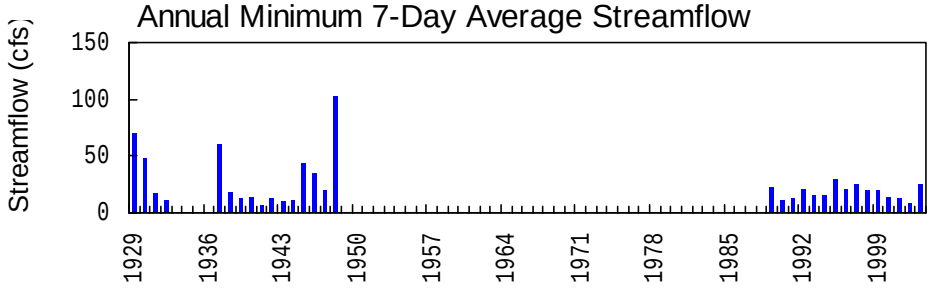
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



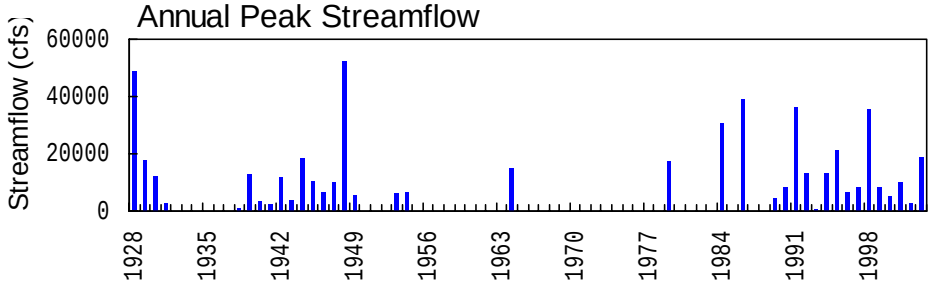
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



SUWANNEE RIVER BASIN
2003 Water Year

02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA

LOCATION.—Lat 30°47'35", long 83°27'13" referenced to North American Datum (NAD) of 1983, Brooks-Lowndes County line, Hydrologic Unit 03110203, on downstream right bank pier of abandoned bridge on old US 84, 4.0 miles upstream from Piscola Creek, 6.0 miles east of Quitman, and 9.0 miles downstream from Little River.

DRAINAGE AREA.—1,480 square miles, approximately.

COOPERATION.—USGS National Water-Quality Assessment Program.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1928 to December 1931, June 1937 to May 1948, October 1988 to May 1992, June 1993 to current year.

REVISED RECORDS.—WSP 1304: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 84.30 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 1, 1928 to December 11, 1931, a non-recording gage was located at same site at datum 5.0 feet lower. From June 9, 1937 to May 31, 1948, a non-recording gage was located at same site and datum. From May 19, 1949 to March 1, 1954, a crest-stage gage was located at same site and datum. From September 29, 1988 to May 4, 1989, a water-stage recorder was located at a site 2,000 feet upstream at same datum.

REMARKS.—Records good.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharge greater than base discharge of 2,500 cfs, and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/20	2200	4,730	14.87
01/01	1945	3,480	12.31
03/11	0900	18,900*	26.50*
03/25	0245	13,900	24.35
04/15	0245	6,580	18.21
06/23	2100	4,360	14.13
07/09	0445	2,980	11.23
07/30	0945	4,010	13.42
08/22	2200	5,090	15.54
09/11	1130	4,910	15.20

02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1928 to December 1931, June 1937 to May 1948, October 1988 to May 1992, June 1993 to current year.

GAGE.—Water-stage recorder. Datum of gage is 84.30 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 1, 1928 to December 11, 1931, a non-recording gage was located at same site at datum 5.0 feet lower. From June 9, 1937 to May 31, 1948, a non-recording gage was located at same site and datum. From May 19, 1949 to March 1, 1954, a crest-stage gage was located at same site and datum. From September 29, 1988 to May 4, 1989, a water-stage recorder was located at a site 2,000 feet upstream at same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 26.50 feet, March 11; minimum gage-height recorded, 1.79 feet, October 20.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 22, 2003 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 027
LATITUDE 304735 LONGITUDE 0832713 NAD83 DRAINAGE AREA 1480 CONTRIBUTING DRAINAGE AREA 1480* DATUM 84.30 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	418	660	3400	401	4110	2870	1020	286	490	3300	1580
2	87	435	603	3420	400	4890	2190	1100	224	484	2690	1780
3	75	475	553	3390	414	5650	1800	1220	181	629	2430	1810
4	62	521	514	3320	443	6420	1560	1220	176	948	2480	1980
5	52	540	504	3330	453	7770	1400	1160	146	1510	2880	2150
6	45	859	593	3410	463	10700	1310	1050	193	2100	3270	2020
7	39	849	635	3390	635	12800	1280	928	327	2490	3570	1830
8	33	781	613	3250	831	13200	1360	813	498	2840	3870	2590
9	30	768	583	2960	936	13300	3250	748	727	2910	3980	3360
10	27	817	582	2540	1010	16500	4510	690	906	2360	3970	4290
11	26	864	605	2000	1060	18500	5310	570	1070	1540	4040	4850
12	25	942	624	1520	1040	16800	5640	444	1120	1040	4310	4610
13	24	1130	704	1230	996	14800	6030	350	1050	786	4710	3910
14	25	1250	805	1060	943	13100	6430	282	942	631	4850	2880
15	25	1400	867	938	878	11400	6500	236	796	500	4620	1820
16	30	1760	957	853	884	9510	6270	210	943	410	4370	1170
17	28	2450	1030	786	1040	7790	5680	205	823	414	4040	835
18	24	3310	1090	722	1120	6560	4670	201	765	395	3530	649
19	22	4100	1150	673	1220	5720	3290	176	857	340	2990	536
20	45	4630	1400	632	1350	5260	1990	286	1550	325	3200	454
21	162	4600	1530	596	1490	5580	1370	349	3090	302	4070	389
22	226	4000	1490	569	1620	6400	1080	396	3560	259	4910	337
23	179	3020	1400	542	1770	8000	890	611	4190	285	4870	294
24	259	2220	1750	521	1850	12300	759	646	4210	406	4040	246
25	354	1800	2710	511	1870	13400	674	783	3560	609	2670	228
26	328	1490	2870	493	1800	11700	725	718	2440	1130	1670	233
27	304	1210	3000	472	2620	9730	821	624	1420	1820	1280	210
28	317	997	3050	451	3550	7960	819	523	893	2770	2060	204
29	341	845	3150	432	---	6500	885	434	676	3630	1680	232
30	507	740	3230	416	---	5280	954	377	544	3970	1340	251
31	465	---	3140	412	---	3990	---	336	---	3760	1360	---
TOTAL	4243	49221	42392	48239	33087	295620	82317	18706	38163	42083	103050	47728
MEAN	137	1641	1367	1556	1182	9536	2744	603	1272	1358	3324	1591
MAX	507	4630	3230	3420	3550	18500	6500	1220	4210	3970	4910	4850
MIN	22	418	504	412	400	3990	674	176	146	259	1280	204
CFSM	0.09	1.11	0.92	1.05	0.80	6.44	1.85	0.41	0.86	0.92	2.25	1.07
IN.	0.11	1.24	1.07	1.21	0.83	7.43	2.07	0.47	0.96	1.06	2.59	1.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2003, BY WATER YEAR (WY)

MEAN	758	595	868	1671	2284	3479	1952	613	467	781	897	439
MAX	5552	6921	7062	6492	6686	9536	11040	2767	1504	4962	4709	1872
(WY)	1995	1948	1948	1991	1995	2003	1948	1991	1991	1991	1991	2000
MIN	12.8	11.0	20.7	48.6	128	492	133	43.8	23.1	27.0	19.9	14.1
(WY)	1941	1941	1991	1989	1989	1938	1999	2002	1990	1990	1990	1990

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1929 - 2003	
ANNUAL TOTAL	167044.1		804849			
ANNUAL MEAN	458		2205		1147	
HIGHEST ANNUAL MEAN					3210	1991
LOWEST ANNUAL MEAN					200	2002
HIGHEST DAILY MEAN	4630	Nov 20	18500	Mar 11	61000	Apr 4 1948
LOWEST DAILY MEAN	6.7	Aug 11	22	Oct 19	6.7	Aug 11 2002
ANNUAL SEVEN-DAY MINIMUM	8.4	Aug 8	25	Oct 13	7.6	Nov 7 1940
MAXIMUM PEAK FLOW			18900	Mar 11	66000	Apr 4 1948
MAXIMUM PEAK STAGE			26.50	Mar 11	31.70	Apr 4 1948
INSTANTANEOUS LOW FLOW			20	Oct 20	5.8	Aug 12 2002
ANNUAL RUNOFF (CFSM)	0.31		1.49		0.77	
ANNUAL RUNOFF (INCHES)	4.20		20.23		10.53	
10 PERCENT EXCEEDS	1230		4900		3200	
50 PERCENT EXCEEDS	108		1050		382	
90 PERCENT EXCEEDS	17		233		25	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 027
LATITUDE 304735 LONGITUDE 0832713 NAD83 DRAINAGE AREA 1480 CONTRIBUTING DRAINAGE AREA 1480* DATUM 84.30 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.25	3.97	4.90	12.14	3.90	13.63	10.97	6.13	3.39	4.26	11.93	7.78
2	2.32	4.04	4.69	12.19	3.89	15.16	9.36	6.37	3.09	4.24	10.56	8.31
3	2.24	4.20	4.50	12.12	3.95	16.55	8.35	6.74	2.87	4.78	9.94	8.40
4	2.15	4.38	4.35	11.98	4.07	17.93	7.73	6.73	2.84	5.88	10.05	8.82
5	2.07	4.45	4.31	11.99	4.11	19.65	7.26	6.55	2.68	7.57	10.98	9.26
6	2.02	5.58	4.65	12.16	4.15	22.22	6.99	6.22	2.91	9.13	11.85	8.93
7	1.97	5.56	4.81	12.13	4.81	23.73	6.92	5.82	3.57	10.09	12.50	8.43
8	1.92	5.33	4.73	11.81	5.50	24.00	7.13	5.44	4.29	10.90	13.13	10.32
9	1.89	5.28	4.62	11.18	5.85	24.06	11.80	5.21	5.14	11.06	13.37	12.06
10	1.86	5.45	4.61	10.20	6.08	25.53	14.42	5.01	5.75	9.76	13.35	14.00
11	1.85	5.61	4.70	8.88	6.23	26.34	15.94	4.57	6.29	7.65	13.48	15.09
12	1.84	5.87	4.77	7.62	6.18	25.70	16.54	4.07	6.44	6.19	14.03	14.62
13	1.83	6.45	5.06	6.78	6.04	24.77	17.25	3.68	6.21	5.34	14.82	13.22
14	1.84	6.83	5.41	6.25	5.87	23.88	17.96	3.37	5.87	4.80	15.09	10.98
15	1.84	7.26	5.62	5.85	5.66	22.74	18.08	3.15	5.38	4.30	14.65	8.40
16	1.89	8.25	5.92	5.57	5.68	21.25	17.67	3.02	5.86	3.93	14.15	6.59
17	1.87	9.99	6.16	5.35	6.19	19.69	16.60	2.99	5.47	3.95	13.48	5.51
18	1.83	11.94	6.34	5.12	6.44	18.15	14.74	2.97	5.27	3.87	12.42	4.86
19	1.81	13.61	6.53	4.95	6.74	16.69	11.88	2.84	5.58	3.63	11.23	4.44
20	1.99	14.66	7.26	4.80	7.14	15.85	8.85	3.38	7.62	3.57	11.70	4.12
21	2.76	14.60	7.63	4.67	7.53	16.42	7.17	3.67	11.46	3.46	13.54	3.85
22	3.10	13.41	7.54	4.56	7.89	17.90	6.29	3.86	12.48	3.26	15.21	3.62
23	2.86	11.30	7.28	4.46	8.30	19.85	5.70	4.72	13.80	3.38	15.13	3.43
24	3.25	9.44	8.20	4.38	8.49	23.35	5.25	4.85	13.83	3.91	13.48	3.20
25	3.70	8.37	10.61	4.34	8.55	24.09	4.95	5.34	12.48	4.71	10.49	3.11
26	3.58	7.52	10.98	4.27	8.36	22.97	5.13	5.11	9.95	6.45	8.01	3.14
27	3.47	6.72	11.26	4.19	10.34	21.44	5.47	4.77	7.32	8.40	6.91	3.02
28	3.53	6.04	11.37	4.10	12.47	19.85	5.46	4.39	5.70	10.74	9.02	2.99
29	3.64	5.54	11.61	4.03	---	18.05	5.68	4.04	4.96	12.64	8.05	3.13
30	4.33	5.19	11.77	3.96	---	15.88	5.91	3.80	4.47	13.35	7.10	3.22
31	4.16	---	11.58	3.94	---	13.37	---	3.62	---	12.91	7.16	---
MEAN	2.51	7.56	6.90	7.29	6.44	20.34	10.12	4.59	6.43	6.71	11.83	7.23
MAX	4.33	14.66	11.77	12.19	12.47	26.34	18.08	6.74	13.83	13.35	15.21	15.09
MIN	1.81	3.97	4.31	3.94	3.89	13.37	4.95	2.84	2.68	3.26	6.91	2.99

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02318500 WITHLACOOCHEE RIVER AT US 84, NEAR QUITMAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 027
LATITUDE 304735 LONGITUDE 0832713 NAD83 DRAINAGE AREA 1480 CONTRIBUTING DRAINAGE AREA 1480* DATUM 84.30 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	1.42	0.00	0.60	0.29	0.00
2	---	---	---	---	---	---	---	0.00	0.00	0.13	0.01	0.00
3	---	---	---	---	---	---	---	0.95	0.50	0.05	0.00	0.07
4	---	---	---	---	---	---	---	0.00	0.42	0.17	0.01	0.00
5	---	---	---	---	---	---	---	0.00	0.20	0.00	0.00	0.35
6	---	---	---	---	---	---	---	0.00	0.95	0.00	0.13	0.00
7	---	---	---	---	---	---	---	0.00	1.07	0.00	0.43	0.00
8	---	---	---	---	---	---	---	0.00	0.15	0.00	0.41	0.00
9	---	---	---	---	---	---	---	0.00	0.00	0.00	0.25	0.00
10	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
11	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
12	---	---	---	---	---	---	---	0.00	0.00	0.01	0.18	0.00
13	---	---	---	---	---	---	---	0.00	0.07	0.01	0.03	0.00
14	---	---	---	---	---	---	---	0.00	0.16	0.00	0.00	0.00
15	---	---	---	---	---	---	---	0.00	0.00	0.00	0.27	0.00
16	---	---	---	---	---	---	---	0.00	0.00	0.44	0.00	0.00
17	---	---	---	---	---	---	---	0.00	1.70	0.05	1.51	0.00
18	---	---	---	---	---	---	---	0.01	0.15	0.01	0.00	0.00
19	---	---	---	---	---	---	---	1.14	0.00	0.81	0.15	0.00
20	---	---	---	---	---	---	---	0.00	0.23	0.00	0.00	0.00
21	---	---	---	---	---	---	---	0.00	0.00	0.02	0.00	0.03
22	---	---	---	---	---	---	0.00	2.31	0.00	0.32	0.07	0.03
23	---	---	---	---	---	---	0.00	0.00	0.00	0.17	0.00	0.01
24	---	---	---	---	---	---	0.00	0.00	0.00	0.86	0.00	0.00
25	---	---	---	---	---	---	0.57	0.00	0.00	0.37	0.00	0.60
26	---	---	---	---	---	---	0.13	0.00	0.00	0.00	0.00	0.00
27	---	---	---	---	---	---	0.00	0.00	0.00	0.00	2.07	0.00
28	---	---	---	---	---	---	0.00	0.00	0.29	0.00	0.01	0.00
29	---	---	---	---	---	---	0.00	0.00	0.14	1.52	0.00	0.00
30	---	---	---	---	---	---	0.00	0.00	0.69	0.00	0.05	0.00
31	---	---	---	---	---	---	---	0.00	---	1.27	0.39	---
TOTAL	---	---	---	---	---	---	---	5.83	6.72	6.81	6.26	1.09

02318500 WITHLACOOCHEE RIVER NEAR QUITMAN, GA
(National Water-Quality Assessment station)

LOCATION.—Lat 30°47'35", long 83°27'13" referenced to North American Datum (NAD) of 1983, Brooks-Lowndes County line, Hydrologic Unit 03110203, on downstream right bank pier of abandoned bridge on old US 84, 4.0 miles upstream from Piscola Creek, 6.0 miles east of Quitman, and 9.0 miles downstream from Little River.

DRAINAGE AREA.—1,480 square miles, approximately.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—April 1934, August 1957 to May 1958, and July 1977 to current year.

REMARKS.—Datum of gage is 84.30 feet above National Geodetic Vertical Datum (NGVD) of 1929.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)
OCT													
01...	1130	1028	80020	2.26	70	765	6.9	86	6.6	163	25.5	26.9	--
NOV													
06...	1400	1028	80020	5.99	10	758	7.3	81	6.2	92	--	19.8	9
DEC													
04...	1100	1028	80020	4.35	10	763	9.8	87	6.5	110	--	10.6	13
JAN													
08...	1310	1028	80020	11.77	10	760	12.0	103	6.3	80	--	8.3	8
FEB													
03...	1330	1028	80020	3.91	40	759	11.0	101	6.5	103	--	11.5	14
MAR													
06...	1220	1028	80020	22.46	10	759	7.4	73	5.5	58	--	14.8	2
21...	1200	1028	80020	16.46	10	757	6.0	68	6.0	64	--	20.8	--
APR													
01...	1230	1028	80020	11.10	40	769	8.0	79	5.3	72	--	15.5	12
15...	1200	1028	80020	18.25	10	767	7.3	75	6.1	58	--	17.2	--
MAY													
07...	1210	1028	80020	5.90	10	760	6.2	74	6.7	83	24.6	24.6	16
20...	1220	1028	80020	3.33	40	761	6.2	75	6.8	104	--	24.5	--
JUN													
03...	1100	1028	80020	2.78	30	756	6.6	82	6.9	108	--	26.1	20
17...	1120	1028	80020	5.38	10	761	6.0	75	6.7	89	--	26.8	--
JUL													
02...	1130	1028	80020	4.17	30	760	6.1	75	6.6	90	--	25.8	16
14...	1210	1028	80020	4.73	40	765	4.5	56	6.6	88	--	26.7	--
AUG													
04...	1030	1028	80020	10.20	10	760	4.2	51	6.5	69	--	25.7	10
18...	1200	1028	80020	12.56	10	761	4.7	58	6.5	65	--	26.0	--
SEP													
03...	1300	1028	80020	8.40	10	761	5.6	70	6.6	75	--	26.7	11

02318500 WITHLACOOCHEE RIVER NEAR QUITMAN, GA---continued.

Date	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)
OCT													
01...	--	13.4	21.6	.80	<.04	4.85	1.10	1.10	.026	.008	--	.24	<.02
NOV													
06...	11	11.1	6.2	1.5	<.04	--	--	.36	--	E.005	--	.06	--
DEC													
04...	16	13.5	7.0	.71	<.04	--	--	.47	--	E.006	--	.05	.02
JAN													
08...	10	11.5	4.8	.64	<.04	--	--	.20	--	<.008	--	E.01	.04
FEB													
03...	18	14.0	6.2	.53	<.04	--	--	.57	--	<.008	--	.06	.03
MAR													
06...	2	7.61	3.6	.82	<.04	--	--	.10	--	E.004	--	E.02	.08
21...	--	--	--	1.1	.06	--	--	.17	--	E.006	1.0	.04	--
APR													
01...	15	7.10	2.4	1.0	.14	.943	.21	.22	.033	.010	.90	.05	.09
15...	--	--	--	.82	<.04	--	--	.16	--	E.005	--	.03	--
MAY													
07...	20	8.87	3.3	.94	E.04	--	--	.31	--	E.005	--	.07	.07
20...	--	--	--	.18	E.03	3.34	.75	.76	.026	.008	--	.12	--
JUN													
03...	24	10.8	5.2	.66	<.04	--	--	.48	--	E.005	--	.09	<.02
17...	--	--	--	.87	<.04	--	--	.30	--	E.005	--	.05	--
JUL													
02...	19	9.32	3.8	1.1	E.03	--	--	.42	--	E.004	--	.07	.09
14...	--	--	--	.88	<.04	--	--	.36	--	E.005	--	.06	--
AUG													
04...	12	7.25	2.9	.74	<.04	--	--	.19	--	E.006n	--	.03	.08
18...	--	--	--	.93	E.02n	--	--	.11	--	E.006n	--	.03	--
SEP													
03...	13	8.11	2.7	.95	E.03n	--	--	.18	--	E.005n	--	.05	.08

Date	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	1,4-Naphthoquinone, water, fltrd, ug/L (61611)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2-(4-t-Butylphenoxy)cyclohexanol wat flt ug/L (61637)	2,5-Dichloroaniline water, fltrd, ug/L (61614)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Amino-N-isopropylbenzamide, wat flt ug/L (61617)
OCT													
01...	.30	1.9	.1	<.1	.1	15.0	<.05	<.09	<.01	<.03	<.006	--u	<.005
NOV													
06...	.52	1.8	--	--	--	--	<.05	<.09	<.01	<.03	<.006	<.1	<.005
DEC													
04...	.091	1.2	.1	<.1	.1	15.3	<.05	<.09	<.01	<.03	<.006	<.1	<.005
JAN													
08...	.064	.83	.3	<.1	.3	16.8	<.05	<.09	<.01	<.03	<.006	<.1	<.005
FEB													
03...	.096	1.1	.2	<.1	.2	10.0	<.05	<.09	<.01	<.03	<.006	<.1	<.005
MAR													
06...	.080	.92	.6	<.1	.6	18.8	<.05	<.09	<.01	<.03	<.006	<.1	<.005
21...	.131	1.3	--	--	--	--	<.05	<.09	<.01	<.03	<.006	<.1	<.005
APR													
01...	.144	1.3	.7	<.1	.7	22.9	<.05	<.09	<.01	<.03	--	<.1	<.005
15...	.102	.97	--	--	--	--	<.05	<.09	<.01	<.03	<.006	--u	<.005
MAY													
07...	.144	1.3	.4	<.1	.4	16.6	<.05	<.09	<.01	<.03	<.006	<.1	<.005
20...	.24	.94	--	--	--	--	<.05	<.09	<.01	<.03	<.006	<.1	<.005
JUN													
03...	.150	1.1	.3	<.1	.3	12.9	<.05	<.09	<.01	<.03	<.006	<.1	<.005
17...	.146	1.2	--	--	--	--	<.05mc	<.09mc	<.01	<.03	<.006	<.1	<.005
JUL													
02...	.158	1.6	.6	<.1	.6	17.2	<.05mc	<.09mc	<.01	<.03	<.006	<.1	<.005
14...	.139	1.2	--	--	--	--	<.05mc	--u	<.01	<.03	<.006	<.1	<.005
AUG													
04...	.114	.94	.8	<.1	.8	19.8	<.05mc	<.09mc	<.01	<.03	<.006	<.1	<.005
18...	.110	1.0	--	--	--	--	<.05mc	--u	<.01	<.03	<.006	<.1	<.005
SEP													
03...	.121	1.1	.9	<.1	.9	18.3	<.05mc	<.09mc	<.01	<.03	<.006	<.1	<.005

02318500 WITHLACOOCHEE RIVER NEAR QUITMAN, GA---continued.

Date	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3-(Trifluoromethyl) aniline water, fltrd, ug/L (61630)	3,4-Dichloroaniline water fltrd, ug/L (61625)	3,5-Dichloroaniline water, fltrd, ug/L (61627)	3-Phenoxybenzyl alcohol water, fltrd, ug/L (61629)	4-(MeOH)-pendimethalin, wat flt ug/L (61665)	4,4'-Dichlorobenzophenone, wat flt ug/L (61631)	4Chlorophenylmethyl sulfone water, fltrd, ug/L (61634)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-Endosulfan, water, fltrd, ug/L (34362)
OCT													
01...	<.005	E.004	<.004	<.01	<.004	<.005	--u	--u	<.003	--m	<.006	<.004	<.005
NOV													
06...	<.005	<.006	<.004	<.01	<.004	<.005	<.05	--u	<.003	<.03	<.006	<.004	<.005
DEC													
04...	<.005	<.006	<.004	<.01	<.004	<.005	<.05	<.1	<.003	<.03	<.006	<.004	<.005
JAN													
08...	<.005	<.006	<.004	<.01	<.004	<.005	<.05	<.1	<.003	<.03	<.006	<.004	<.005
FEB													
03...	<.005	<.006	<.004	<.01	<.004	<.005	<.05	<.1	<.003	<.03	<.006	<.004	<.005
MAR													
06...	<.005	E.008	<.004	<.01	<.004	<.005	<.05	<.1	<.003	<.03	<.006	<.004	<.005
21...	<.005	E.010	<.004	<.01	<.004	<.005	<.05	<.1	<.003	<.03	<.006	<.004	<.005
APR													
01...	<.005	--	<.004	<.01	<.004	<.005	<.05	<.1	<.003	<.03	--	--	<.005
15...	<.005	E.012	<.004	<.01	<.004	<.005	--u	--u	<.003	<.03	<.006	<.004	<.005
MAY													
07...	<.005	E.013	<.004	<.01	<.004	<.005	<.05	<.1	<.003	<.03	<.006	<.004	<.005
20...	<.005	E.007	<.004	<.01	<.004	<.005	<.05	<.1	<.003	<.03	<.006	<.004	<.005
JUN													
03...	<.005	E.006	<.004	<.01	E.004	<.005	<.05	<.1	<.003	<.03	<.006	<.004	<.005
17...	<.005	E.008	<.004mc	<.01mc	<.004	<.005	<.05	<.1	<.003mc	<.03mc	<.006	.009	<.005
JUL													
02...	<.005	<.006	<.004mc	<.01mc	<.004	<.005	<.05	<.1	<.016mc	<.03mc	<.006	<.004	<.005
14...	<.005	<.006	<.004mc	<.01mc	<.004	<.005	<.05	--u	<.003mc	<.03mc	<.006	<.004	<.005
AUG													
04...	<.005	<.006	<.004mc	<.01mc	.008	<.005	--u	--u	<.003mc	<.03mc	<.006	<.004	<.005
18...	<.005	E.004n	<.004mc	<.01mc	.007	<.005	--u	--u	<.003mc	<.03mc	<.006	<.004	<.005
SEP													
03...	<.005	E.003t	<.004mc	<.01mc	.011	<.005	--u	--u	<.003mc	<.03mc	<.006	.010	<.005

Date	alpha-HCH, water, fltrd, ug/L (34253)	Aminomethylphosphonic acid, wat flt ug/L (62649)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl oxon, water, fltrd, ug/L (61635)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	beta-Endosulfan, water, fltrd, ug/L (34357)	Bifenthrin, water, fltrd, ug/L (61580)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	cis-Propiconazole, water, fltrd, ug/L (79846)	Cycloate, water, fltrd, ug/L (04031)
OCT													
01...	<.005	.1	.017	<.02	<.050	<.010	<.01	<.005	<.020	<.06	<.006	<.008	<.005
NOV													
06...	<.005	<.1	.018	<.02	<.050	<.010	<.01	<.005	E.025	<.06	<.006	<.008	<.005
DEC													
04...	<.005	<.1	.008	<.02	<.050	<.010	<.01	<.005	<.020	<.06	<.006	<.008	<.005
JAN													
08...	<.005	<.1	.015	<.02	<.050	<.010	<.01	<.005	<.020	<.06	<.006	<.008	<.005
FEB													
03...	<.005	<.1	.012	<.02	<.050	<.010	<.01	<.005	<.020	<.06	<.006	<.008	<.005
MAR													
06...	<.005	--	.237	<.02	<.050	<.010	<.01	<.005	<.020	<.06	<.006	<.008	<.005
21...	<.005	--	.138	<.02	<.050	<.010	<.01	<.005	<.020	<.06	<.006	<.008	<.005
APR													
01...	--	--	--	<.02	--	--	<.01	<.005	--	<.06	--	<.008	<.005
15...	<.005	--	.177	<.02	<.050	<.010	<.01	<.005	<.020	<.06	<.006	<.008	<.005
MAY													
07...	<.005	--	.274	<.02	<.050	<.010	<.01	<.005	<.020	<.06	<.006	<.008	<.005
20...	<.005	--	.057	<.02	<.050	<.010	<.01	<.005	<.020	<.06	<.006	<.008	<.005
JUN													
03...	<.005	--	.032	<.02	<.050	<.010	<.01	<.005	<.020	<.06	<.006	<.008	<.005
17...	<.005	--	.092	<.02mc	<.050	<.010	<.01mc	<.005mc	<.020	<.06mc	<.006	<.008	<.005
JUL													
02...	<.005	--	.036	<.02mc	<.050	<.010	<.01mc	<.005mc	<.020	<.02mc	<.006	<.008	<.005
14...	<.005	--	.029	<.03mc	<.050	<.010	<.01mc	<.005mc	<.020	<.06mc	<.006	<.008	<.005
AUG													
04...	<.005	--	.027	<.02mc	<.050	<.010	<.01mc	<.005mc	<.020	<.06mc	<.006	<.008	<.005
18...	<.005	--	.039	<.02mc	<.050	<.010	<.01mc	<.005mc	<.020	<.06mc	<.006	<.008	<.005
SEP													
03...	<.005	--	.023	<.02mc	<.050	<.010	<.01mc	<.005mc	<.020	<.06mc	<.006	<.008	<.005

02318500 WITHLACOOCHEE RIVER NEAR QUITMAN, GA---continued.

Date	Cyflu-thrin, water, fltrd, ug/L (61585)	Cyhalo-thrin, water, fltrd, ug/L (61595)	Cyper-methrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd 0.7u GF ug/L (82662)	Disulf-oton sulfone water, fltrd, ug/L (61640)	Disulf-oton sulf-oxide, water, fltrd, ug/L (61641)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	e-Di-metho-morph, water, fltrd, ug/L (79844)	Endo-sulfan ether, water, fltrd, ug/L (61642)	Endo-sulfan sulfate water, fltrd, ug/L (61590)
OCT													
01...	<.008	<.009	<.009	.021	<.005	<.005	<.006	<.02	<.002	<.02	<.02	<.004	.012
NOV													
06...	<.008	<.009	<.009	E.003	<.005	<.005	<.006	<.02	<.002	<.02	<.02	<.004	.008
DEC													
04...	<.008	<.009	<.009	E.002n	<.006	<.005	<.006	<.02	<.002	<.02	<.02	<.004	<.006
JAN													
08...	<.008	<.009	<.009	<.003	<.005	<.005	<.006	<.02	<.002	<.02	<.02	<.004	<.006
FEB													
03...	<.008	<.009	<.009	<.003	<.005	<.005	<.006	<.02	<.002	<.02	<.02	<.004	<.006
MAR													
06...	<.008	<.009	<.009	<.003	E.004n	<.005	<.006	<.02	<.002	<.02	<.02	<.004	<.006
21...	<.008	<.009	<.009	<.003	<.005	<.005	<.006	<.02	<.002	<.02	<.02	<.004	<.006
APR													
01...	<.008	<.009	<.009	--	--	--	<.006	<.02	<.002	--	<.02	<.004	<.006
15...	<.008	<.009	<.009	E.002n	<.007	<.005	<.006	<.02	<.002	<.02	<.02	<.004	<.006
MAY													
07...	<.008	<.009	<.009	.018	<.005	<.005	<.006	<.02	<.002	<.02	<.02	<.004	.010
20...	<.008	<.009	<.009	<.003	<.005	<.005	<.006	<.02	<.002	<.02	<.02	<.004	<.006
JUN													
03...	<.008	<.009	<.009	<.003	<.005	<.005	<.006	<.02	<.002	<.02	<.02	<.004	.006
17...	<.008mc	<.009	<.009mc	<.003	.011	<.005	<.006mc	<.02	<.002mc	<.02	<.02	<.004	<.006
JUL													
02...	<.016mc	<.009	<.016mc	<.003	<.005	<.005	<.006mc	<.02	<.002mc	<.02	<.02	<.004	<.006
14...	<.008mc	<.009	<.009mc	<.003	<.005	<.005	<.006mc	<.02	<.002mc	<.02	<.02	<.004	<.006
AUG													
04...	<.008mc	<.009	<.009mc	<.003	<.005	<.005	<.006mc	<.02	<.002mc	<.02	<.02	<.004	.008
18...	<.008mc	<.009	<.009mc	<.003	<.005	<.005	<.006mc	<.02	<.002mc	<.02	<.02	<.004	.007
SEP													
03...	<.008mc	<.009	<.009mc	.008	<.005	<.005	<.006mc	<.02	<.002mc	<.02	<.02	<.004	.011

Date	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)	Fen-thion sulf-oxide, water, fltrd, ug/L (61647)	Fen-thion, water, fltrd, ug/L (38801)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)
OCT													
01...	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02	--	--	--
NOV													
06...	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02	<.009	<.005	<.005
DEC													
04...	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02	<.009	<.005	<.005
JAN													
08...	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02	<.009	<.005	<.005
FEB													
03...	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02	<.009	<.005	<.005
MAR													
06...	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02	<.009	<.005	<.005
21...	<.010	<.009	<.03	<.004	--	<.008	<.03	<.03	<.008	<.02	<.009	<.005	<.005
APR													
01...	--	--	<.03	<.004	--	<.008	<.03	<.03	<.008	<.02	--	--	--
15...	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02	<.009	<.005	<.005
MAY													
07...	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02	<.009	<.005	<.005
20...	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02	<.009	<.005	<.005
JUN													
03...	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02	<.009	<.005	<.005
17...	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02	<.009	<.005	<.005
JUL													
02...	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02	<.009	<.005	<.005
14...	<.002	<.009	<.03mc	<.004	<.005	<.031	<.03mc	<.03	<.008mc	<.02	<.009	<.005	<.005
AUG													
04...	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02	<.009	<.005	<.005
18...	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02	<.009	<.005	<.005
SEP													
03...	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02	<.009	<.005	<.005

02318500 WITHLACOOCHEE RIVER NEAR QUITMAN, GA---continued.

Date	Fipronil, water, fltrd, ug/L (62166)	Flumetralin, water, fltrd, ug/L (61592)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Glufosinate, water, fltrd 0.7u GF ug/L (62721)	Glyphosate, water, fltrd 0.7u GF ug/L (62722)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)
OCT													
01...	--	<.004	<.002	<.003	<.1	<.1	.128	<1	<.003	<.004	<.035	<.008	<.027
NOV													
06...	<.007	<.004	<.002	<.003	<.1	<.1	.025	<1	<.003	<.004	<.035	<.008	<.027
DEC													
04...	<.007	<.004	<.002	<.003	<.1	<.1	E.009	<1	<.003	<.004	<.035	<.008	<.027
JAN													
08...	<.007	<.004	<.002	<.003	<.1	<.1	E.010	<1	<.003	<.004	<.035	<.008	<.027
FEB													
03...	<.007	<.004	<.002	<.003	<.1	<.1	E.007	<1	<.003	<.004	<.035	<.008	<.027
MAR													
06...	<.007	<.004	<.002	<.003	--	--	<.013	<1	<.003	<.004	<.035	<.008	<.027
21...	<.007	<.004	<.002	<.003	--	--	E.009	<1	<.003	<.004	<.035	<.008	<.027
APR													
01...	--	<.004	<.002	--	--	--	E.011	<1	<.003	--	--	<.008	--
15...	<.007	<.004	<.002	<.003	--	--	.016	<1	<.003	<.004	<.035	<.008	<.027
MAY													
07...	<.007	<.004	<.002	<.003	--	--	.015	<1	<.003	<.004	<.035	<.008	<.027
20...	<.007	<.004	<.002	<.003	--	--	.013	<1	<.003	<.004	<.035	<.008	<.027
JUN													
03...	<.007	<.004	<.002	<.003	--	--	.018	<1	<.003	<.004	<.035	<.008	<.027
17...	<.007	<.004	<.002mc	<.003	--	--	.039	<1mc	<.003	<.004	<.035	<.008	<.027
JUL													
02...	<.007	<.004	<.002mc	<.003	--	--	.132	<1mc	<.003	<.004	<.035	<.008	<.027
14...	<.007	<.004	<.002mc	<.003	--	--	.027	<1mc	<.003	<.004	<.035	<.008	<.027
AUG													
04...	<.007	<.004	<.002mc	<.003	--	--	.016	<1mc	<.003	<.004	<.035	<.008	<.027
18...	<.007	<.004	<.002mc	<.003	--	--	.013	<1mc	<.003	<.004	<.035	<.008	<.027
SEP													
03...	<.007	<.004	<.002mc	<.003	--	--	.020	<1mc	<.003	<.004	<.035	<.008	<.027

Date	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	c-Permethric acid methyl ester, wat flt ug/L (79842)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	t-Permethric acid methyl ester, wat flt ug/L (79843)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Myclobutanil water, fltrd, ug/L (61599)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	O-Et-O-Me-S-Pr-phosphorothioate wat flt ug/L (61660)	Oxyfluorfen, water, fltrd, ug/L (61600)
OCT													
01...	<.005	<.006	<.04	<.03	<.006	<.03	.016	<.006	<.002	<.008	<.007	<.008	<.007
NOV													
06...	<.005	<.006	<.04	<.03	<.006	<.03	.028	<.006	<.002	<.008	<.007	<.008	<.007
DEC													
04...	<.005	<.006	<.04	<.03	<.006	<.03	E.010n	<.006	<.002	<.008	<.007	<.008	<.007
JAN													
08...	<.005	<.006	<.04	<.03	<.006	<.03	.017	<.006	<.002	<.008	<.007	<.008	<.007
FEB													
03...	<.005	<.006	<.04	<.03	<.006	<.03	.015	<.006	<.002	<.008	<.007	<.008	<.007
MAR													
06...	<.005	<.006	<.04	<.03	<.006	<.03	.018	<.006	<.002	<.008	<.007	<.008	<.007
21...	<.005	<.006	<.04	<.03	<.006	<.03	.017	<.006	<.002	<.008	<.007	<.008	<.007
APR													
01...	<.005	<.006	<.04	<.03	--	<.03	--	--	--	<.008	--	<.008	<.007
15...	.019	<.006	<.04	<.03	<.006	<.03	.030	<.006	<.002	<.008	<.007	<.008	<.007
MAY													
07...	<.005	<.006	<.04	<.03	<.006	<.03	.040	<.006	<.002	<.008	<.007	<.008	<.007
20...	<.005	<.006	<.04	<.03	<.006	<.03	.019	<.006	<.002	<.008	<.007	<.008	<.007
JUN													
03...	.012	<.006	<.04	<.03	<.006	<.03	.027	<.006	<.002	<.008	<.007	<.008	<.007
17...	.009	<.006	<.04	<.03mc	<.006	<.03	.035	<.006	<.002	<.008	<.007	<.008	<.007
JUL													
02...	<.005	<.006	<.04	<.03mc	<.006	<.03	.018	<.006	<.002	<.008	<.007	<.008	<.007
14...	.006	<.006	<.04	<.03mc	<.006	<.03	.024	<.006	<.002	<.008	<.007	<.008	<.007
AUG													
04...	.005	<.006	<.04	<.03mc	<.006	<.03	.021	<.006	<.002	<.008	<.007	<.008	<.007
18...	<.005	<.006	<.04	<.03mc	<.006	<.03	.066	.009	<.002	<.008	<.007	<.008	<.007
SEP													
03...	.019	<.006	<.04	<.03mc	<.006	<.03	.042	<.006	<.002	<.008	<.007	<.008	<.007

02318500 WITHLACOOCHEE RIVER NEAR QUITMAN, GA---continued.

Date	p,p'-DDE, water, fltrd, ug/L (34653)	Para-oxon, water, fltrd, ug/L (61663)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Phoste-bupirim water, fltrd, ug/L (61602)	Pro-fenofos water, fltrd, ug/L (61603)	Prome-ton, water, fltrd, ug/L (04037)	Prome-tryn, water, fltrd, ug/L (04036)
OCT													
01...	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005	<.006	E.01	<.005
NOV													
06...	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005	<.006	<.01	<.005
DEC													
04...	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005	<.006	E.01n	<.005
JAN													
08...	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005	<.006	Mn	<.005
FEB													
03...	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005	<.006	<.01	<.005
MAR													
06...	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005	<.006	<.01	<.005
21...	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005	<.006	Mn	<.005
APR													
01...	--	<.008	--	--	--	<.10	--	<.06	<.008	<.005	<.006	--	<.005
15...	<.003	<.008	<.010	<.007	<.022	<.10	<.011	<.06	<.008	<.005	<.006	E.01n	E.005
MAY													
07...	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005	<.006	<.01	<.005
20...	<.003	<.008	<.010	<.004	E.006	<.10	<.011	<.06	<.008	<.005	<.006	E.01	<.005
JUN													
03...	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005	<.006	M	<.005
17...	<.003	<.008	<.010	<.004	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005	<.006	E.01	<.005
JUL													
02...	<.003	<.016	<.010	<.004	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005	<.006	E.01n	<.005
14...	<.003	<.008	<.010	<.004	<.022	<.10mc	<.011	--u	<.008mc	<.005	<.006	E.01n	.013
AUG													
04...	<.003	<.008	<.010	<.004	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005	<.006	<.01	.007
18...	<.003	<.008	<.010	<.004	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005	<.006	E.01t	.007
SEP													
03...	<.003	<.008	<.010	<.004	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005	<.006	Mt	.006

Date	Pron-amide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Propet-amphos, water, fltrd, ug/L (61604)	Sima-zine, water, fltrd, ug/L (04035)	Sulfo-tepp, water, fltrd, ug/L (61605)	Sulpro-fos, water, fltrd, ug/L (38716)	Tebu-pirim-phos oxon, water, fltrd, ug/L (61669)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Teflu-thrin metab-olite R119365 wat flt ug/L (61671)	Teflu-thrin metab-olite R152913 wat flt ug/L (61672)	Teflu-thrin, water, fltrd, ug/L (61606)
OCT													
01...	<.004	<.010	<.011	<.02	<.004	<.005	<.003	<.02	<.006	E.01	<.02	<.01	<.008
NOV													
06...	<.004	<.010	<.011	<.02	<.004	<.005	<.003	<.02	<.006	<.02	<.02	<.01	<.008
DEC													
04...	<.004	<.010	<.011	<.02	<.004	.042	<.003	<.02	<.006	<.02	<.02	<.01	<.008
JAN													
08...	<.004	<.010	<.011	<.02	<.004	.122	<.003	<.02	<.006	<.02	<.02	<.01	<.008
FEB													
03...	<.004	<.010	<.011	<.02	<.004	.031	<.003	<.02	<.006	E.01	<.02	<.01	<.008
MAR													
06...	<.004	<.010	<.011	<.02	<.004	.126	<.003	<.02	<.006	E.01n	<.02	<.01	<.008
21...	<.004	<.010	<.011	<.02	<.004	.043	<.003	<.02	<.006	E.01n	<.02	<.01	<.008
APR													
01...	--	--	--	--	<.004	--	<.003	<.02	<.006	--	--	--	<.008
15...	<.004	<.010	<.011	<.02	<.004	.040	<.003	<.02	<.006	E.01n	--	--	<.008
MAY													
07...	<.004	<.010	<.011	<.02	<.004	.016	<.003	<.02	<.006	<.02	--	--	<.008
20...	<.004	<.010	<.011	<.02	<.004	.005	<.003	<.02	<.006	.03	--	--	<.008
JUN													
03...	<.004	<.010	<.011	<.02	<.004	E.005	<.003	<.02	<.006	E.01	--	--	<.008
17...	<.004	<.010	<.011	<.02	<.004	.030	<.003mc	<.02mc	<.006	E.02	--	--	<.008mc
JUL													
02...	<.004	<.010	<.011	<.02	<.004	<.005	<.003mc	<.02mc	<.006	E.01n	--	--	<.008mc
14...	<.004	<.010	<.011	<.02	<.004	<.005	<.003mc	<.02mc	<.006	E.01n	--	--	<.008mc
AUG													
04...	<.004	<.010	<.011	<.02	<.004	<.005	<.003mc	<.02mc	<.006	<.02	--	--	<.008mc
18...	<.004	<.010	<.011	<.02	<.004	<.005	<.003mc	<.02mc	<.006	E.01t	--	--	<.008mc
SEP													
03...	<.004	<.010	<.011	<.02	<.004	.011	<.003mc	<.02mc	<.006	<.02	--	--	<.008mc

02318500 WITHLACOOCHEE RIVER NEAR QUITMAN, GA---continued.

Date	Teme-phos, water, fltrd, ug/L (61607)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Ter-bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Ter-buthyl-azine, water, fltrd, ug/L (04022)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	trans-Propi-cona-zole, water, fltrd, ug/L (79847)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tribu-phos, water, fltrd, ug/L (61610)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	z-Di-metho-morph, water, fltrd, ug/L (79845)	Di-chlor-vos, water fltrd, ug/L (38775)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)
OCT													
01...	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009	<.05	<.01	96
NOV													
06...	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009	<.05	<.01	99
DEC													
04...	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009	<.05	<.01	100
JAN													
08...	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009	<.05	<.01	94
FEB													
03...	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009	<.05	<.01	94
MAR													
06...	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009	<.05	<.01	58
21...	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009	<.05	<.01	98
APR													
01...	<.3	--	<.07	--	<.01	--	<.01	--	<.004	--	<.05	<.01	97
15...	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009	<.05	<.01	79
MAY													
07...	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009	<.05	<.01	100
20...	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009	<.05	<.01	86
JUN													
03...	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009	<.05	<.01	88
17...	<.3mc	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004mc	<.009	<.05	<.01mc	92
JUL													
02...	<.3mc	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004mc	<.009	<.05	<.01mc	92
14...	--u	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004mc	<.009	<.05	<.01mc	39
AUG													
04...	<.3mc	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004mc	<.009	<.05	<.01mc	84
18...	<.3mc	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004mc	<.009	<.05	<.01mc	81
SEP													
03...	<.3mc	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004mc	<.009	<.05	<.01mc	87

Date	Sus-pended sedi-ment concen-tration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
OCT			
01...	7	15.00	3070
NOV			
06...	179	15.00	3051
DEC			
04...	6	15.00	3051
JAN			
08...	10	15.00	3053
FEB			
03...	7	15.00	3060
MAR			
06...	15	15.00	3039
21...	9	15.00	3039
APR			
01...	11	15.00	3060
15...	11	15.00	3053
MAY			
07...	8	15.00	3051
20...	10	15.00	3060
JUN			
03...	6	15.00	3060
17...	20	15.00	3051
JUL			
02...	14	15.00	3061
14...	22	15.00	3060
AUG			
04...	14	15.00	3051
18...	9	15.00	3053
SEP			
03...	10	15.00	3051

02318500 WITHLACOOCHEE RIVER NEAR QUITMAN, GA---continued.

Date	Time	Medium code	Agency analyzing sample, code (00028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
JUN 11...	1140	D	80020	18.9	90	108.7	5.8	5.9

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

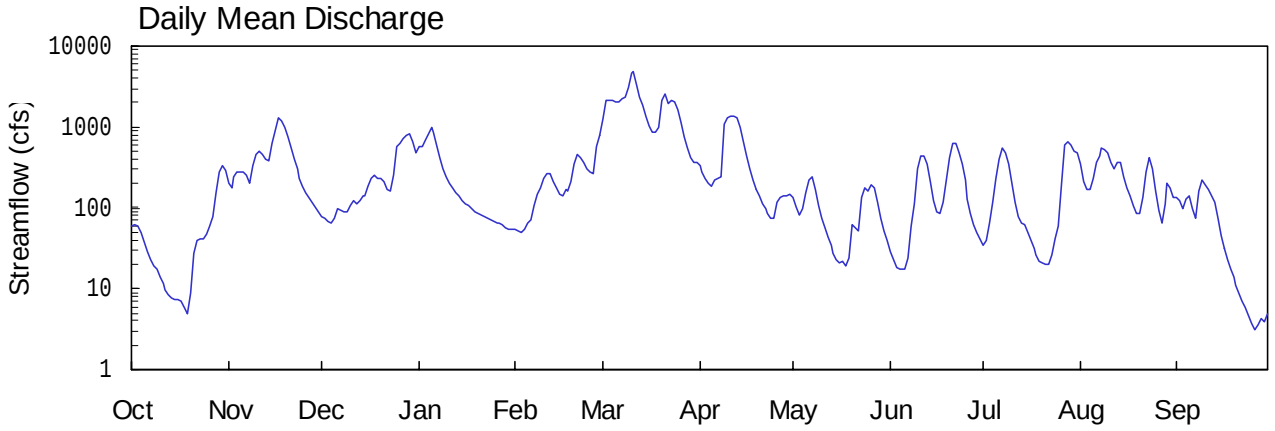
Value qualifier codes used in this report:
   c -- See laboratory comment
   m -- Highly var comp using method, ? prec
   n -- Below the NDV
   t -- Below the long-term MDL

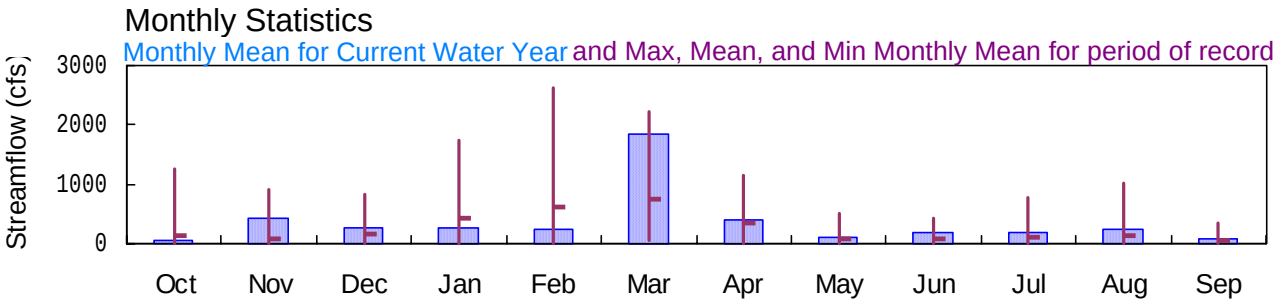
Null value qualifier codes used in this report:
   m -- Results sent by separate memo
   u -- Unable to determine-matrix interference

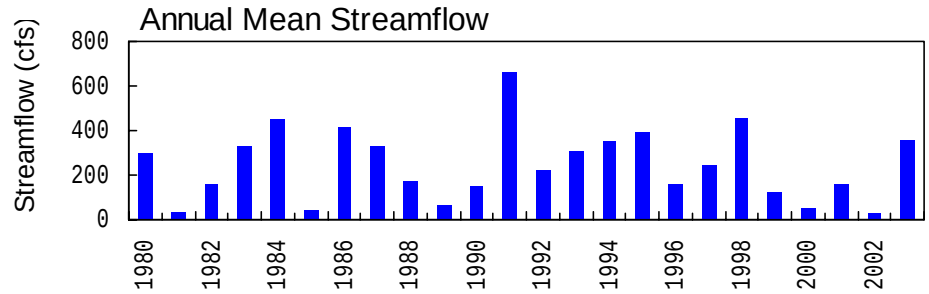
2003 Water Year

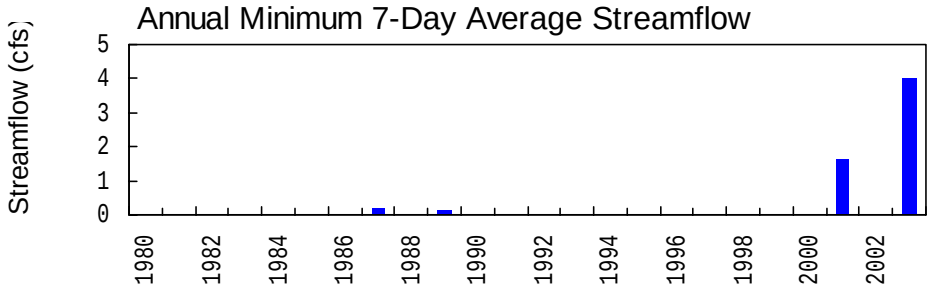
02318700 OKAPILCO CREEK AT GA 33, NEAR QUITMAN, GA

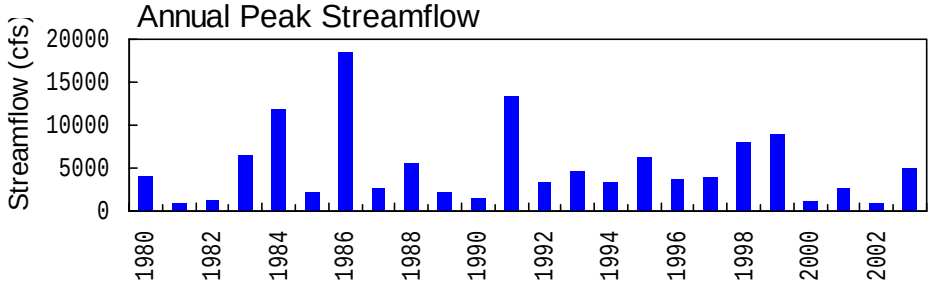
Latitude: 30°49'32" Longitude: 083°33'45" Hydrologic Unit Code: 03110203 Brooks County
Drainage Area: 269 mi² Datum: 110.0 feet

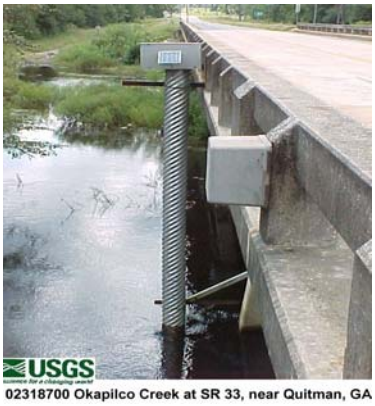












02318700 Okapilco Creek at SR 33, near Quitman, GA

SUWANNEE RIVER BASIN
2003 Water Year

02318700 OKAPILCO CREEK AT GA 33, NEAR QUITMAN, GA

LOCATION.—Lat 30°49'32", long 83°33'45" referenced to North American Datum (NAD) of 1983, Brooks County, Hydrologic Unit 03110203, on downstream side of bridge pier on GA 333, 1.0 mile downstream from Coon Creek, and 3.0 mile north of Quitman.

DRAINAGE AREA.—269 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—December 1979 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 110.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,200 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/17	1615	1,300	11.35
03/11	0130	4,930*	13.91*
03/21	0030	2,860	12.76
04/12	0615	1,400	11.49

WATER-STAGE RECORDS

PERIOD OF RECORD.—December 1979 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 110.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.91 feet, March 11; minimum gage-height recorded, 3.38 feet, October 19.

02318700 OKAPILCO CREEK AT GA 333, NEAR QUITMAN, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 27, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02318700 OKAPILCO CREEK AT GA 33, NEAR QUITMAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 027
LATITUDE 304932 LONGITUDE 0833345 NAD83 DRAINAGE AREA 269 CONTRIBUTING DRAINAGE AREA 269* DATUM 110.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	201	79	566	53	e1220	327	132	29	35	355	133
2	62	179	74	577	52	2100	279	103	23	40	212	125
3	61	237	69	689	50	2150	233	83	18	66	171	100
4	50	282	65	807	54	2110	206	97	17	118	170	126
5	39	278	75	996	64	2090	182	155	17	228	232	141
6	29	284	98	846	e70	2010	220	223	17	400	362	97
7	22	254	93	609	105	2240	230	244	24	552	444	76
8	19	199	89	421	147	2330	243	169	59	482	546	162
9	17	328	91	306	180	3130	1060	106	110	344	529	219
10	14	463	109	246	229	4620	1320	74	301	204	482	195
11	11	491	121	203	269	4750	1340	56	433	115	369	170
12	9.7	449	113	177	263	3390	1390	43	440	77	309	138
13	8.5	400	120	154	213	2380	1270	34	342	65	366	118
14	7.6	389	139	140	174	1830	977	27	209	62	360	74
15	7.3	615	142	125	149	1330	664	22	123	49	241	45
16	7.5	e890	182	114	138	1020	442	21	91	39	179	31
17	7.2	e1300	233	107	166	847	306	22	87	31	143	23
18	6.0	1200	251	99	159	851	225	19	117	26	109	18
19	5.0	1010	236	90	211	1000	172	24	220	22	87	14
20	9.0	759	232	84	348	2100	138	63	414	21	86	11
21	28	551	212	81	458	2570	113	55	615	20	134	8.9
22	40	399	172	78	421	1970	99	52	618	20	281	7.1
23	41	302	163	75	361	2140	85	135	471	26	419	5.8
24	40	233	255	71	302	2040	73	173	351	41	304	4.8
25	48	187	574	68	272	1590	74	163	226	59	165	3.7
26	59	156	622	66	e266	1120	116	193	129	196	94	3.1
27	77	132	731	65	e572	745	134	177	85	610	66	3.6
28	151	115	778	62	e804	543	140	116	62	649	110	4.2
29	274	101	826	58	---	410	138	75	49	603	203	3.8
30	339	88	665	55	---	362	149	53	41	508	176	4.8
31	290	---	479	54	---	363	---	39	---	478	134	---
TOTAL	1836.8	12472	8088	8089	6550	57351	12345	2948	5738	6186	7838	2065.8
MEAN	59.3	416	261	261	234	1850	412	95.1	191	200	253	68.9
MAX	339	1300	826	996	804	4750	1390	244	618	649	546	219
MIN	5.0	88	65	54	50	362	73	19	17	20	66	3.1
CFSM	0.22	1.55	0.97	0.97	0.87	6.88	1.53	0.35	0.71	0.74	0.94	0.26
IN.	0.25	1.72	1.12	1.12	0.91	7.93	1.71	0.41	0.79	0.86	1.08	0.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2003, BY WATER YEAR (WY)

MEAN	136	92.2	170	417	618	762	341	67.2	84.8	99.5	131	63.2
MAX	1255	910	839	1735	2614	2223	1160	507	424	788	1031	342
(WY)	1995	1998	1986	1991	1986	1991	1983	1991	1994	1991	1994	2000
MIN	0.000	0.000	0.000	0.33	1.95	52.5	10.4	0.051	0.001	0.000	0.066	0.000
(WY)	1982	1991	1991	2002	1989	1985	1999	1999	1998	2000	2002	1990

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1980 - 2003	
ANNUAL TOTAL	33773.85		131507.6			
ANNUAL MEAN	92.5		360		246	
HIGHEST ANNUAL MEAN					664	1991
LOWEST ANNUAL MEAN					31.3	2002
HIGHEST DAILY MEAN	1300	Nov 17	4750	Mar 11	14600	Feb 12 1986
LOWEST DAILY MEAN	0.00	Jan 1	3.1	Sep 26	0.00	Sep 6 1980
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	4.0	Sep 24	0.00	Sep 10 1980
MAXIMUM PEAK FLOW			4930	Mar 11	18500	Feb 12 1986
MAXIMUM PEAK STAGE			13.91	Mar 11	18.75	Feb 12 1986
INSTANTANEOUS LOW FLOW			3.1	Sep 26	3.1	Sep 26 2003
ANNUAL RUNOFF (CFSM)	0.34		1.34		0.92	
ANNUAL RUNOFF (INCHES)	4.67		18.19		12.44	
10 PERCENT EXCEEDS	276		849		684	
50 PERCENT EXCEEDS	3.1		155		29	
90 PERCENT EXCEEDS	0.00		22		0.00	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02318700 OKAPILCO CREEK AT GA 33, NEAR QUITMAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 027
LATITUDE 304932 LONGITUDE 0833345 NAD83 DRAINAGE AREA 269 CONTRIBUTING DRAINAGE AREA 269* DATUM 110.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.52	7.59	6.51	9.88	5.83	---	8.92	7.38	4.97	5.21	9.12	7.69
2	5.59	7.37	6.37	9.92	5.79	12.19	8.64	6.94	4.64	5.38	8.26	7.60
3	5.57	7.92	6.25	10.25	5.74	12.24	8.33	6.58	4.41	6.17	7.94	7.24
4	5.34	8.27	6.16	10.55	5.84	12.21	8.13	6.84	4.33	7.15	7.93	7.60
5	5.03	8.24	6.40	10.89	6.13	12.18	7.91	7.63	4.34	8.28	8.43	7.78
6	4.73	8.28	6.87	10.62	---	12.12	8.23	8.25	4.35	9.24	9.18	7.20
7	4.48	8.05	6.76	10.01	6.96	12.30	8.31	8.41	4.72	9.84	9.51	6.85
8	4.32	7.58	6.70	9.34	7.55	12.38	8.30	7.77	5.99	9.59	9.88	7.95
9	4.26	8.54	6.73	8.80	7.89	12.88	10.96	6.99	7.02	9.00	9.82	8.49
10	4.07	9.27	7.05	8.42	8.30	13.73	11.38	6.37	8.73	8.10	9.66	8.32
11	3.94	9.40	7.24	8.11	8.58	13.80	11.41	5.90	9.40	7.15	9.22	8.10
12	3.82	9.21	7.12	7.86	8.54	13.07	11.47	5.51	9.43	6.47	8.94	7.79
13	3.73	8.98	7.22	7.63	8.18	12.42	11.30	5.17	8.99	6.22	9.22	7.55
14	3.65	8.92	7.46	7.47	7.83	11.94	10.85	4.87	8.13	6.12	9.19	6.84
15	3.63	9.86	7.50	7.29	7.57	11.38	10.17	4.64	7.25	5.77	8.53	6.15
16	3.64	---	7.90	7.13	7.45	10.93	9.43	4.56	6.73	5.44	8.07	5.66
17	3.62	---	8.33	7.01	7.75	10.65	8.80	4.59	6.66	5.12	7.72	5.29
18	3.51	11.21	8.46	6.87	7.68	10.65	8.27	4.46	7.17	4.91	7.30	4.98
19	3.42	10.90	8.35	6.72	8.15	10.89	7.81	4.66	8.19	4.74	6.94	4.73
20	3.72	10.36	8.32	6.61	9.01	12.16	7.45	6.10	9.31	4.65	6.93	4.55
21	4.68	9.69	8.17	6.54	9.50	12.55	7.12	5.90	10.03	4.61	7.59	4.39
22	5.08	9.08	7.81	6.48	9.35	12.08	6.87	5.79	10.04	4.61	8.79	4.25
23	5.10	8.58	7.73	6.41	9.09	12.23	6.62	7.36	9.55	4.94	9.46	4.14
24	5.09	8.13	8.38	6.31	8.78	12.14	6.36	7.83	9.03	5.57	8.93	4.05
25	5.28	7.77	9.91	6.22	8.60	11.71	6.37	7.73	8.26	6.12	7.96	3.96
26	5.52	7.48	10.06	6.19	---	11.07	7.16	8.02	7.32	7.88	7.09	3.90
27	5.88	7.23	10.36	6.16	---	10.39	7.40	7.86	6.60	10.04	6.59	3.95
28	6.99	7.04	10.48	6.08	---	9.80	7.47	7.14	6.07	10.16	7.29	4.01
29	8.20	6.84	10.60	5.97	---	9.30	7.45	6.39	5.70	10.03	8.33	3.98
30	8.65	6.65	10.17	5.89	---	9.10	7.57	5.81	5.45	9.73	8.10	4.07
31	8.32	---	9.58	5.85	---	9.10	---	5.35	---	9.63	7.69	---
MEAN	4.98	---	7.97	7.73	---	---	8.55	6.41	7.09	7.03	8.37	5.97
MAX	8.65	---	10.60	10.89	---	---	11.47	8.41	10.04	10.16	9.88	8.49
MIN	3.42	---	6.16	5.85	---	---	6.36	4.46	4.33	4.61	6.59	3.90

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02318700 OKAPILCO CREEK AT GA 33, NEAR QUITMAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 027
LATITUDE 304932 LONGITUDE 0833345 NAD83 DRAINAGE AREA 269 CONTRIBUTING DRAINAGE AREA 269* DATUM 110.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	0.00	0.20	0.00	---	0.00	0.25	0.00	0.34	0.22	0.01
2	---	---	0.00	0.01	0.00	---	0.00	0.06	0.00	0.75	0.05	0.00
3	---	---	0.00	0.00	0.05	---	0.00	0.38	0.29	0.46	0.01	0.00
4	---	---	0.02	0.00	0.15	---	0.00	0.00	0.26	0.32	0.12	0.00
5	---	---	1.24	0.00	0.00	---	0.07	0.00	0.27	0.00	0.03	0.14
6	---	---	0.00	0.00	---	---	0.00	0.00	0.49	0.00	0.01	0.01
7	---	---	0.00	0.00	0.01	---	0.00	0.00	1.33	0.00	0.33	0.00
8	---	---	0.00	0.00	0.00	---	2.86	0.00	0.04	0.00	0.01	0.00
9	---	---	0.30	0.00	0.31	---	0.75	0.00	0.00	0.00	0.01	0.00
10	---	---	0.26	0.00	0.08	0.00	0.09	0.00	0.00	0.00	0.01	0.00
11	---	---	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	---	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.37	0.00
13	0.00	---	0.51	0.00	0.00	0.94	0.00	0.00	0.15	0.03	0.00	0.00
14	0.13	---	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.04	0.00
15	0.39	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00
16	0.01	---	0.00	0.00	0.98	0.00	0.00	0.26	0.00	0.00	0.01	0.00
17	0.00	0.00	0.00	0.00	0.01	1.44	0.00	0.01	0.25	0.00	0.01	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.11	0.00	2.16	0.00	0.00	0.05	0.00
20	0.00	0.00	0.92	0.00	0.00	1.58	0.00	0.00	0.17	0.00	0.01	0.00
21	0.89	0.00	0.00	0.00	0.02	0.17	0.05	0.03	0.01	0.00	0.04	0.16
22	0.00	0.00	---	0.00	0.76	0.00	0.00	1.02	0.00	2.17	0.13	0.05
23	0.03	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.02	0.01
24	1.03	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.01	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.00	0.97	0.00	0.02
26	0.00	---	0.00	0.00	---	0.00	0.00	0.01	0.00	0.01	0.00	0.00
27	0.00	---	0.00	0.00	---	0.45	0.00	0.00	0.00	0.00	0.20	0.00
28	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.10	0.10	0.04	0.00
29	---	0.00	0.00	0.00	---	0.01	0.01	0.00	0.04	0.84	0.09	0.00
30	---	0.00	0.00	---	---	0.39	0.00	0.00	0.21	0.01	0.12	0.00
31	---	---	1.62	---	---	0.00	---	0.00	---	0.40	0.11	---
TOTAL	---	---	---	---	---	---	4.48	4.18	3.87	7.45	2.19	0.40

OCHLOCKONEE RIVER BASIN
2003 Water Year

02327350 OCHLOCKONEE RIVER TRIBUTARY NEAR COOLIDGE, GA

LOCATION.—Lat 31°01'33", long 83°57'32" referenced to North American Datum (NAD) of 1927, Thomas County, Hydrologic Unit 03120002, at culvert on GA 202, 5.5 miles west of Coolidge.

DRAINAGE AREA.—1.81 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1964 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 200.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 6.14 feet, December 4, 1964
DISCHARGE: 789 cfs, December 4, 1964

MAXIMUM FOR CURRENT YEAR.—
STAGE: 3.95 feet, March 10
DISCHARGE: 453 cfs, March 10

OCHLOCKONEE RIVER BASIN
2003 Water Year

02327355 OCHLOCKONEE RIVER AT GA 188, NEAR COOLIDGE, GA

LOCATION.—Lat 31°00'08", long 83°56'21" referenced to North American Datum (NAD) of 1927, Thomas County, Hydrologic Unit 03120002, at GA 188, 4.0 miles west of Coolidge.

DRAINAGE AREA.—260 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1981 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 166.86 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 17.28 feet, March 7, 1984
DISCHARGE: 13,100 cfs, March 7, 1984

MAXIMUM FOR CURRENT YEAR.—
STAGE: 15.78 feet, March 10
DISCHARGE: 7,840 cfs, March 10

OCHLOCKONEE RIVER BASIN
2003 Water Year

02327415 LITTLE OCHLOCKONEE RIVER AT GA 111, NEAR MOULTRIE, GA

LOCATION.—Lat 31°07'02", long 83°58'42" referenced to North American Datum (NAD) of 1927, Colquitt County, Hydrologic Unit 03120002, at GA 111, 10.0 miles west of Moultrie.

DRAINAGE AREA.—44.8 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1981 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 218.65 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

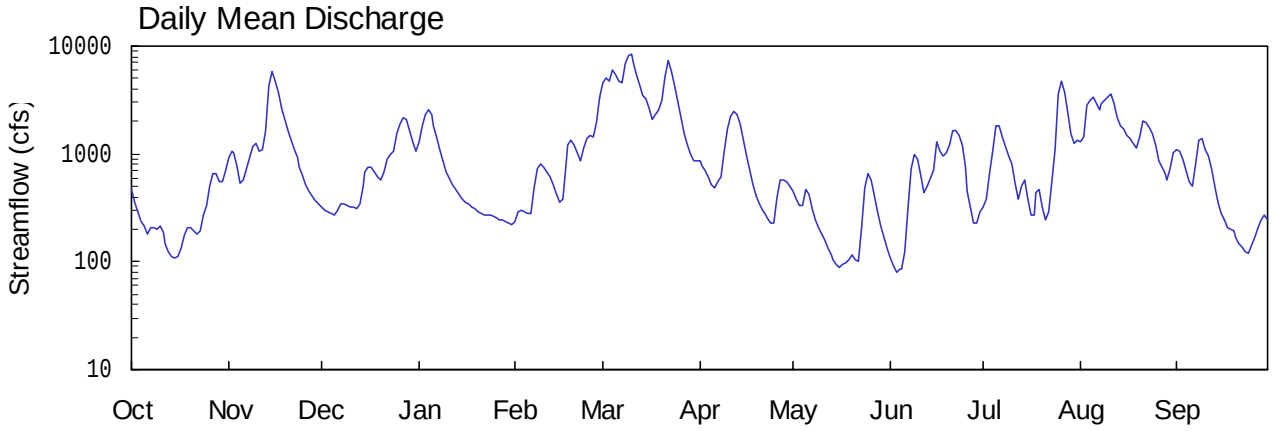
MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 10.29 feet, March 9, 1998
DISCHARGE: 6,660 cfs, March 9, 1998

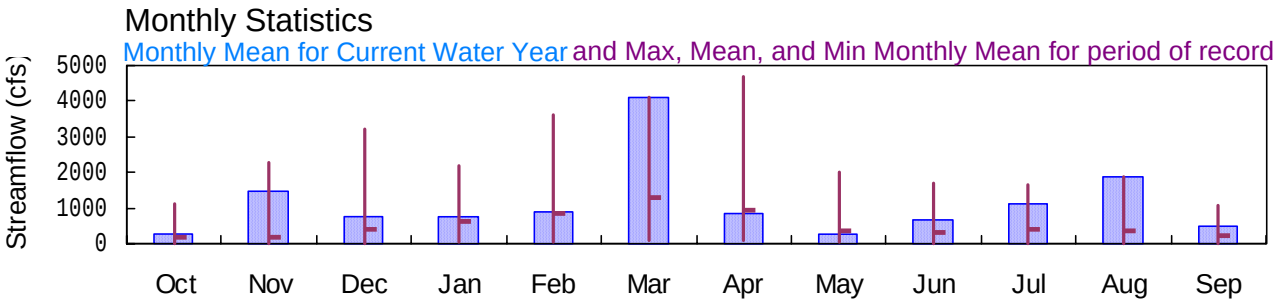
MAXIMUM FOR CURRENT YEAR.—
STAGE: 8.58 feet, November 14
DISCHARGE: 2,520 cfs, November 14

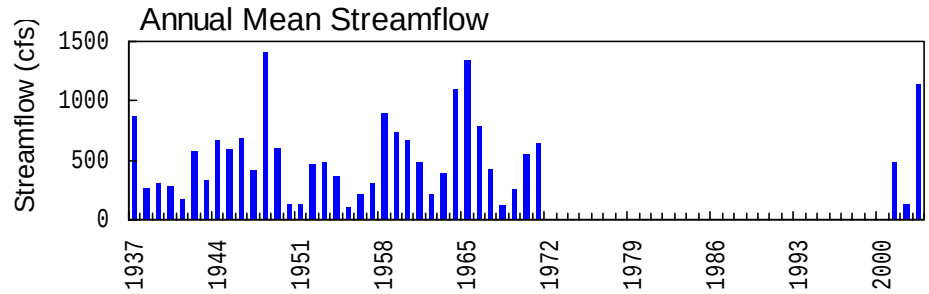
2003 Water Year

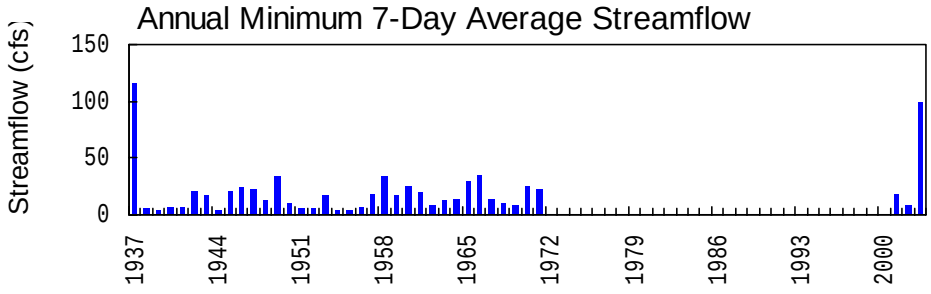
02327500 OCHLOCKONEE RIVER NEAR THOMASVILLE, GA

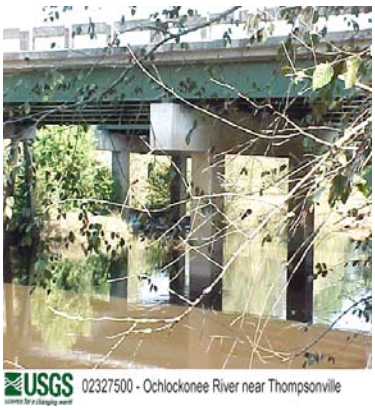
Latitude: 30°52'32" Longitude: 084°02'44" Hydrologic Unit Code: 03120002 Thomas County
Drainage Area: 550.0 mi^2 Datum: 133.6 feet

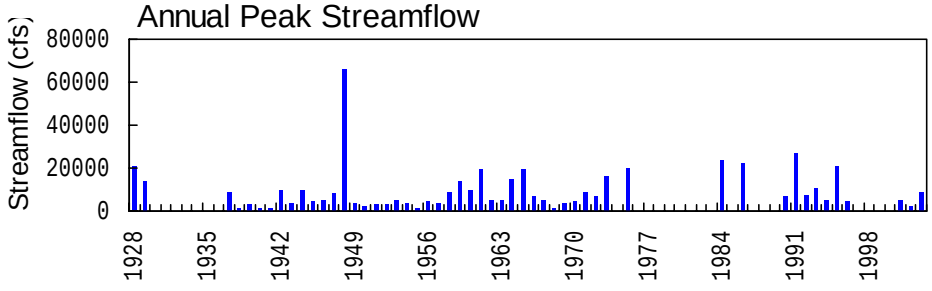












OCHLOCKNEE RIVER BASIN
2003 Water Year

02327500 OCHLOCKONEE RIVER NEAR THOMASVILLE, GA

LOCATION.—Lat. 30°52'32", long. 84°02'44" referenced to North American Datum (NAD) of 1927, Thomas County, on downstream side of left bank pier of bridge on US 84, 2.0 miles upstream from Seaboard Coast Line Railroad bridge, 4.0 miles upstream from Barnetts Creek, 5.0 miles northwest of Thomasville, and 6.0 miles downstream from Little Ochlocknee River.

DRAINAGE AREA.—550 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 1937 to June 1971, October 2000 to current year.

REVISED RECORDS.—WSP 1112: 1937, 1939, 1945 (M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 133.60 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to January 7, 1947, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 1937 to June 1971, October 2000 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 133.60 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to January 7, 1947, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 17.11 feet, March 10; minimum gage-height recorded, 2.78 feet, June 3.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02327500 OCHLOCKONEE RIVER NEAR THOMASVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 275
LATITUDE 305232 LONGITUDE 0840244 NAD27 DRAINAGE AREA 550.00* CONTRIBUTING DRAINAGE AREA DATUM 133.60 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	461	915	321	1300	240	4580	853	460	108	320	1310	1090
2	361	1070	305	1830	289	4980	790	387	90	387	1450	1060
3	288	1020	291	2310	305	4740	695	330	79	650	2840	893
4	235	771	278	2580	293	6030	609	329	86	1070	3140	702
5	211	542	274	2330	277	5380	524	464	84	1820	3310	559
6	182	577	305	1840	277	4760	476	427	124	1840	2920	502
7	205	728	339	1420	476	4500	564	312	307	1410	2550	807
8	208	929	343	1100	718	6990	612	247	727	1160	2890	1340
9	202	1160	333	850	807	8060	1050	210	1000	952	3110	1370
10	215	1270	322	685	764	8390	1730	180	898	803	3320	1100
11	185	1070	316	585	685	7050	2230	155	642	543	3560	959
12	148	1090	308	518	615	5350	2510	134	436	378	2890	726
13	124	1640	344	465	514	4380	2320	117	507	495	2190	506
14	111	4310	500	417	418	3500	1860	103	595	579	1840	359
15	109	5860	674	385	353	3250	1360	93	698	382	1690	281
16	113	4780	749	360	379	2650	970	89	1320	273	1470	243
17	133	3700	741	341	818	2100	695	94	1060	269	1390	209
18	175	2670	689	324	1200	2290	519	98	958	444	1240	202
19	204	2070	616	307	1330	2570	410	104	1030	461	1120	196
20	206	1670	573	291	1230	3100	348	117	1230	326	1450	169
21	195	1340	691	281	1010	5220	302	104	1640	248	2000	147
22	181	1100	881	275	875	7320	273	103	1640	295	1940	135
23	192	912	992	273	1120	5820	255	209	1500	551	1780	125
24	274	757	1060	270	1400	4310	232	484	1220	1090	1540	119
25	337	626	1520	263	1500	3050	227	650	741	3570	1210	143
26	508	526	1910	252	1450	2130	392	582	458	4720	875	171
27	651	453	2180	244	1980	1560	572	409	318	3700	744	207
28	653	403	2070	242	3420	1200	576	289	228	2370	664	244
29	546	369	1660	237	---	984	560	215	226	1550	572	273
30	548	343	1290	227	---	862	508	167	290	1240	739	243
31	698	---	1070	222	---	848	---	132	---	1340	1030	---
TOTAL	8859	44671	23945	23024	24743	127954	25022	7794	20240	35236	58774	15080
MEAN	286	1489	772	743	884	4128	834	251	675	1137	1896	503
MAX	698	5860	2180	2580	3420	8390	2510	650	1640	4720	3560	1370
MIN	109	343	274	222	240	848	227	89	79	248	572	119
CFSM	0.52	2.71	1.40	1.35	1.61	7.50	1.52	0.46	1.23	2.07	3.45	0.91
IN.	0.60	3.02	1.62	1.56	1.67	8.65	1.69	0.53	1.37	2.38	3.98	1.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2003, BY WATER YEAR (WY)

MEAN	161	195	422	609	857	1299	944	378	313	389	361	224
MAX	1108	2266	3213	2173	3638	4128	4692	1987	1716	1637	1896	1058
(WY)	1965	1948	1965	1964	1965	2003	1948	1964	1965	1945	2003	1937
MIN	4.76	5.73	9.95	28.1	54.1	78.1	95.6	37.6	20.5	18.6	10.6	4.68
(WY)	1955	1939	1939	1939	1957	1955	1968	2002	2002	1954	1954	1954

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1937 - 2003	
ANNUAL TOTAL	126626.6		415342			
ANNUAL MEAN	347		1138		509	
HIGHEST ANNUAL MEAN					1404	1948
LOWEST ANNUAL MEAN					110	1955
HIGHEST DAILY MEAN	5860	Nov 15	8390	Mar 10	57400	Apr 2 1948
LOWEST DAILY MEAN	6.7	Sep 13	79	Jun 3	2.6	Oct 17 1938
ANNUAL SEVEN-DAY MINIMUM	8.8	Sep 8	100	May 13	3.9	Oct 19 1954
MAXIMUM PEAK FLOW			8770	Mar 10	8770	Mar 10 2003
MAXIMUM PEAK STAGE			17.11	Mar 10	17.11	Mar 10 2003
INSTANTANEOUS LOW FLOW			77	Jun 3	6.2	Sep 13 2002
ANNUAL RUNOFF (CFSM)	0.63		2.07		0.92	
ANNUAL RUNOFF (INCHES)	8.56		28.09		12.56	
10 PERCENT EXCEEDS	954		2890		1270	
50 PERCENT EXCEEDS	113		616		159	
90 PERCENT EXCEEDS	14		182		19	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02327500 OCHLOCKONEE RIVER NEAR THOMASVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 275
LATITUDE 305232 LONGITUDE 0840244 NAD27 DRAINAGE AREA 550.00* CONTRIBUTING DRAINAGE AREA DATUM 133.60 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.80	8.84	5.82	9.91	5.06	14.47	8.63	6.83	3.31	5.81	9.96	9.38
2	6.10	9.33	5.68	11.07	5.54	14.79	8.39	6.35	3.01	6.33	10.29	9.29
3	5.44	9.19	5.55	11.97	5.68	14.60	8.01	5.89	2.82	7.78	12.69	8.76
4	4.90	8.31	5.44	12.38	5.57	15.53	7.62	5.88	2.95	9.29	13.09	8.04
5	4.61	7.26	5.40	11.99	5.43	15.09	7.18	6.85	2.91	11.04	13.27	7.36
6	4.24	7.44	5.68	11.08	5.42	14.62	6.92	6.62	3.55	11.08	12.81	7.06
7	4.53	8.15	5.97	10.21	6.86	14.40	7.39	5.74	5.54	10.20	12.34	8.42
8	4.57	8.89	6.01	9.41	8.11	16.09	7.63	5.14	8.11	9.57	12.79	10.02
9	4.50	9.56	5.92	8.61	8.46	16.73	9.24	4.72	9.13	8.97	13.06	10.10
10	4.66	9.88	5.83	7.97	8.29	16.91	10.87	4.33	8.78	8.44	13.28	9.42
11	4.27	9.33	5.78	7.50	7.97	16.15	11.83	4.00	7.76	7.27	13.53	8.99
12	3.79	9.35	5.71	7.15	7.65	15.06	12.28	3.70	6.68	6.28	12.78	8.13
13	3.44	10.69	6.01	6.86	7.13	14.30	11.99	3.45	7.08	6.99	11.74	7.08
14	3.23	14.08	7.04	6.57	6.57	13.47	11.13	3.23	7.55	7.46	11.09	6.13
15	3.20	15.41	7.92	6.34	6.09	13.20	10.08	3.07	8.02	6.29	10.78	5.46
16	3.27	14.63	8.24	6.14	6.25	12.46	9.01	2.99	9.98	5.38	10.33	5.10
17	3.57	13.66	8.21	5.99	8.46	11.60	8.00	3.08	9.28	5.35	10.17	4.71
18	4.14	12.49	7.99	5.85	9.69	11.94	7.15	3.14	8.99	6.72	9.79	4.62
19	4.52	11.54	7.65	5.70	10.03	12.35	6.52	3.25	9.21	6.83	9.47	4.54
20	4.55	10.75	7.44	5.56	9.77	13.02	6.04	3.44	9.77	5.85	10.28	4.19
21	4.40	10.04	7.99	5.46	9.14	14.92	5.65	3.24	10.69	5.15	11.40	3.89
22	4.22	9.41	8.72	5.41	8.70	16.31	5.39	3.22	10.68	5.56	11.29	3.72
23	4.36	8.83	9.10	5.39	9.45	15.38	5.22	4.63	10.40	7.32	10.97	3.57
24	5.30	8.27	9.29	5.36	10.17	14.23	4.98	6.93	9.72	9.17	10.49	3.48
25	5.89	7.70	10.43	5.29	10.40	12.96	4.91	7.81	8.17	13.46	9.69	3.83
26	7.07	7.19	11.22	5.19	10.29	11.64	6.32	7.48	6.80	14.59	8.70	4.21
27	7.82	6.78	11.75	5.11	11.29	10.52	7.43	6.49	5.79	13.66	8.22	4.67
28	7.83	6.47	11.54	5.09	13.38	9.69	7.46	5.53	4.92	12.03	7.87	5.11
29	7.29	6.22	10.73	5.04	---	9.07	7.37	4.78	4.90	10.50	7.44	5.39
30	7.30	6.01	9.91	4.92	---	8.66	7.10	4.16	5.54	9.80	8.18	5.09
31	8.01	---	9.32	4.86	---	8.61	---	3.67	---	10.04	9.21	---
MEAN	5.09	9.52	7.72	7.27	8.10	13.51	7.92	4.83	7.07	8.52	10.87	6.33
MAX	8.01	15.41	11.75	12.38	13.38	16.91	12.28	7.81	10.69	14.59	13.53	10.10
MIN	3.20	6.01	5.40	4.86	5.06	8.61	4.91	2.99	2.82	5.15	7.44	3.48

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02327500 OCHLOCKONEE RIVER NEAR THOMASVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 275
LATITUDE 305232 LONGITUDE 0840244 NAD27 DRAINAGE AREA 550.00* CONTRIBUTING DRAINAGE AREA DATUM 133.60 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.30	0.00	0.53	---	0.02	0.00	0.72	1.80	0.00
2	0.01	0.00	0.02	0.01	0.00	0.01	---	0.00	0.00	0.43	0.19	0.00
3	0.00	0.02	0.00	0.00	0.03	0.39	0.00	0.01	0.73	0.00	0.80	0.00
4	0.90	---	0.03	0.00	0.12	0.31	0.00	0.00	0.03	1.20	0.07	0.00
5	0.01	---	0.41	0.00	0.00	0.00	0.61	0.11	1.06	0.00	0.07	0.05
6	0.96	1.60	0.00	0.00	1.66	0.36	0.01	0.00	0.82	0.02	0.01	0.02
7	0.05	0.00	0.02	0.04	0.03	0.67	0.35	0.01	---	0.79	0.45	0.00
8	0.03	0.01	0.00	0.00	0.00	0.19	0.92	0.04	---	0.00	0.03	0.03
9	0.00	0.01	0.09	0.07	0.19	1.65	0.49	0.00	0.08	0.00	0.00	0.07
10	0.01	0.07	0.12	0.00	0.09	0.02	0.16	0.00	0.00	0.00	0.49	0.00
11	0.00	0.93	0.01	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.09	0.02
12	0.00	1.63	0.07	0.02	0.00	0.00	0.00	0.00	2.03	1.30	0.38	0.00
13	0.00	0.11	0.81	0.00	0.01	0.60	0.00	0.00	0.13	0.01	0.30	0.00
14	0.24	0.04	0.00	0.00	0.01	1.05	0.00	0.07	0.08	0.01	0.05	0.01
15	0.38	0.00	0.00	0.01	0.00	0.01	0.00	0.12	1.84	0.12	0.56	0.00
16	0.00	0.53	0.00	0.00	0.77	0.00	0.00	1.69	0.08	0.34	0.00	0.14
17	0.00	0.00	0.02	0.00	0.00	0.89	0.00	0.03	---	1.58	0.18	0.00
18	0.12	0.00	0.02	0.00	0.00	0.01	0.00	0.05	---	0.00	0.05	0.00
19	0.00	0.00	0.06	0.00	0.00	0.51	0.00	0.02	0.17	0.03	0.02	0.00
20	0.00	0.00	0.45	0.00	0.00	0.89	0.00	0.07	1.86	0.00	0.01	0.00
21	0.41	0.00	0.00	0.00	0.02	0.03	0.16	0.00	0.02	0.29	0.01	0.27
22	0.00	0.00	0.00	0.09	0.56	0.00	0.01	0.85	0.00	1.55	0.73	0.28
23	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.08	0.00	0.01
24	0.91	0.00	1.85	0.09	0.00	0.00	0.00	0.01	0.00	2.19	0.07	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.00	0.00	2.91	0.00	0.01
26	0.04	0.00	0.00	0.00	0.51	0.00	0.40	0.04	0.00	0.01	0.00	0.00
27	0.00	0.00	0.00	0.00	1.74	0.22	0.00	0.01	0.01	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.77	0.00	0.03	0.00
29	0.96	0.00	0.00	0.01	---	0.04	0.03	0.04	0.90	1.22	1.55	0.00
30	0.06	0.00	0.00	0.10	---	0.27	0.01	0.00	0.02	0.58	0.01	0.00
31	0.07	---	1.12	0.07	---	0.00	---	0.00	---	0.02	0.00	---
TOTAL	5.22	---	5.10	0.81	5.74	8.73	---	3.20	---	15.40	7.95	0.91

OCHLOCKONEE RIVER BASIN
2003 Water Year

02327860 POPPLE BRANCH AT GA 179, NEAR WHIGHAM, GA

LOCATION.—Lat 30°55'36", long 84°20'18" referenced to North American Datum (NAD) of 1927, Grady County, Hydrologic Unit 03120002, at culvert on GA 179, 3.2 miles north of Whigham.

DRAINAGE AREA.—1.71 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1977 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 245.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—

STAGE: 6.92 feet, February 11, 1986
DISCHARGE: 609 cfs, February 11, 1986

MAXIMUM FOR CURRENT YEAR.—

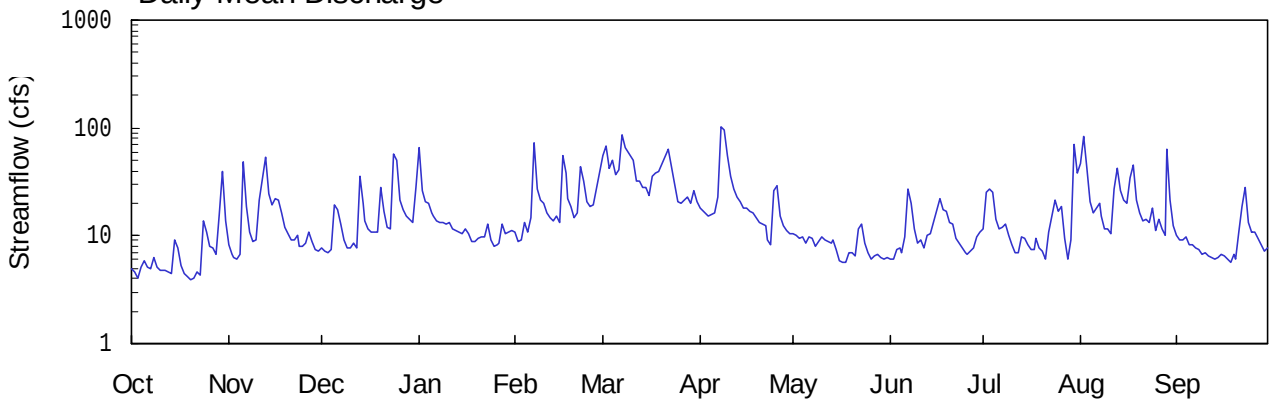
STAGE: 1.71 feet, April 7
DISCHARGE: unknown, due to backwater conditions from beaver dam

2003 Water Year

02329342 LITTLE ATTAPULGUS CREEK AT ATTAPULGUS, GA

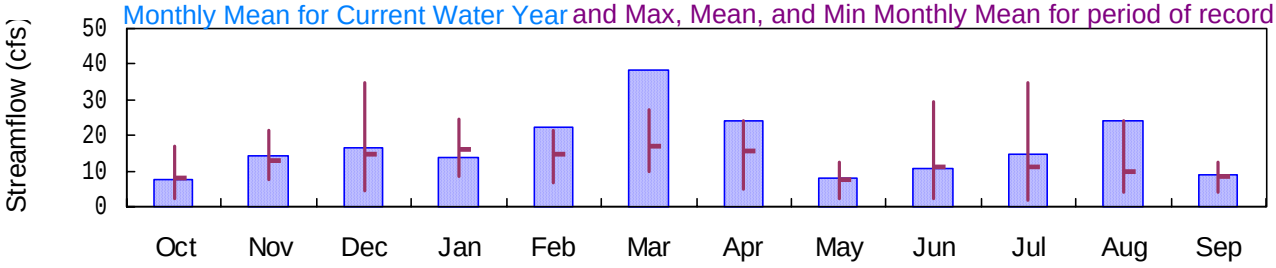
Latitude: 30°44'08" Longitude: 084°29'49" Hydrologic Unit Code: 03120003 Decatur County
Drainage Area: 16.9 mi^2 Datum: 165 feet

Daily Mean Discharge

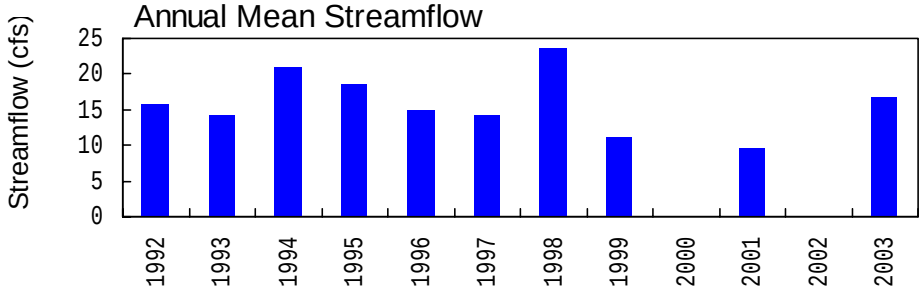


Monthly Statistics

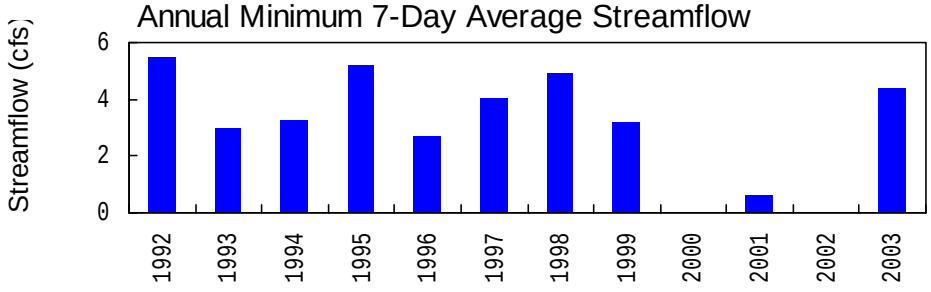
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



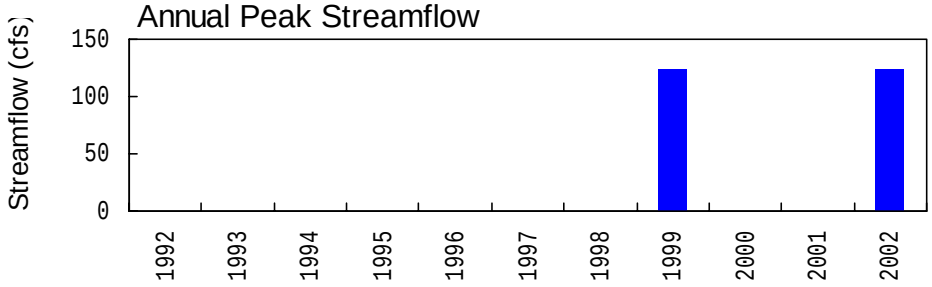
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

OCHLOCKONEE RIVER BASIN
2003 Water Year

02329342 LITTLE ATTAPULGUS CREEK AT ATTAPULGUS, GA

LOCATION.—Lat 30°44'08", long 84°29'49" referenced to North American Datum (NAD) of 1927, Decatur County, Hydrologic Unit 03120003, on left bank 50.0 feet downstream from flood-damaged weir at Engelhard Corporation, 1.2 miles southwest of Attapulgus, and 3.6 miles above mouth.

DRAINAGE AREA.—16.9 square miles.

COOPERATION.—City of Attapulgus.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 1991 to current year, discharge less than 125 cfs only.

REVISED RECORD.—WDR GA-94-1: 1992, 1993, 2000.

GAGE.—Water-stage recorder. Elevation of gage is 165.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). Low-water continuous streamflow up to 5.50 feet in gage-height only is published.

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 7.82 feet, March 20; minimum daily discharge, 3.90 cfs, October 20.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 1991 to current year, discharge less than 125 cfs only.

GAGE.—Water-stage recorder. Elevation of gage is 165.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 7.82 feet, March 20; minimum gage-height recorded, 1.91 feet, October 3.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02329342 LITTLE ATTAPULGUS CREEK AT ATTAPULGUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 087
LATITUDE 304408 LONGITUDE 0842949 NAD27 DRAINAGE AREA 16.9* CONTRIBUTING DRAINAGE AREA DATUM 165 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	8.3	7.7	65	11	55	18	11	6.1	12	46	10
2	4.7	6.8	7.2	27	8.9	68	17	10	6.0	25	82	9.3
3	4.1	6.3	7.0	21	9.2	42	16	9.6	7.6	27	42	9.3
4	5.2	6.0	7.3	20	13	50	15	9.7	7.8	26	21	9.7
5	5.8	6.8	19	17	11	37	16	8.5	7.0	14	16	8.2
6	5.2	49	18	15	15	40	17	9.6	9.7	12	18	8.3
7	5.0	19	13	14	72	86	23	9.5	27	12	20	7.8
8	6.4	11	9.1	13	27	65	104	8.0	20	13	15	7.5
9	5.1	9.0	7.8	13	21	---	97	8.7	12	10	12	6.8
10	4.8	9.0	7.8	13	20	---	56	9.8	8.5	8.2	12	6.8
11	4.8	21	8.4	13	16	49	35	9.2	9.1	7.1	11	6.6
12	4.7	---	7.6	12	14	33	28	8.9	7.8	6.9	28	6.2
13	4.6	54	36	11	14	32	23	8.6	10	9.7	42	6.1
14	4.5	25	20	11	15	28	20	9.2	10	9.4	26	6.2
15	9.0	20	14	10	13	28	18	7.3	---	8.3	22	6.8
16	7.7	22	12	12	55	24	18	5.9	---	7.4	20	6.6
17	5.2	21	11	10	38	36	17	5.7	22	7.5	34	6.1
18	4.4	16	11	9.0	22	38	16	5.6	18	9.3	45	5.7
19	4.2	12	11	9.0	18	39	15	6.9	17	7.8	21	6.8
20	3.9	10	28	9.3	15	---	13	7.1	13	7.1	16	6.1
21	4.0	9.0	17	9.9	16	---	13	6.4	13	6.1	14	11
22	4.6	9.3	12	9.8	43	63	12	12	9.5	11	14	19
23	4.4	10	12	13	32	43	9.2	13	8.4	15	13	28
24	14	8.0	56	9.0	21	30	8.1	8.6	7.7	21	18	13
25	11	7.9	50	8.1	18	21	27	6.9	7.0	17	11	11
26	8.0	8.4	21	8.2	19	20	29	6.0	6.7	19	14	11
27	7.6	11	17	8.5	---	22	15	6.6	7.1	9.4	12	9.3
28	6.6	8.9	15	13	---	23	12	6.7	7.6	6.1	10	8.3
29	16	7.4	14	10	---	20	11	6.4	9.8	9.1	64	7.3
30	39	7.3	13	11	---	26	10	6.1	11	70	22	7.7
31	14	---	28	11	---	20	---	6.2	---	39	12	---
TOTAL	233.5	---	517.9	435.8	---	---	728.3	253.7	---	462.4	753	272.5
MEAN	7.53	---	16.7	14.1	---	---	24.3	8.18	---	14.9	24.3	9.08
MAX	39	---	56	65	---	---	104	13	---	70	82	28
MIN	3.9	---	7.0	8.1	---	---	8.1	5.6	---	6.1	10	5.7
CFSM	0.45	---	0.99	0.83	---	---	1.44	0.48	---	0.88	1.44	0.54
IN.	0.51	---	1.14	0.96	---	---	1.60	0.56	---	1.02	1.66	0.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2003, BY WATER YEAR (WY)

MEAN	8.16	12.9	14.5	16.0	14.8	17.1	15.4	7.61	11.1	11.0	9.86	8.50
MAX	17.1	21.5	35.0	24.7	21.5	27.0	24.3	12.6	29.3	34.9	24.3	12.3
(WY)	1996	1995	1998	1995	1994	1992	2003	1997	1994	1994	2003	2001
MIN	2.24	7.59	4.33	8.59	6.55	10.0	5.08	2.08	2.14	1.94	4.03	4.11
(WY)	2001	2001	2002	2000	2001	2000	2000	2000	2000	2000	2002	1999

SUMMARY STATISTICS WATER YEARS 1992 - 2003

HIGHEST DAILY MEAN	104	Apr 8 2003
LOWEST DAILY MEAN	0.22	Jun 11 2000
ANNUAL SEVEN-DAY MINIMUM	0.40	Jun 8 2000
MAXIMUM PEAK STAGE	13.95	Oct 2 1994

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02329342 LITTLE ATTAPULGUS CREEK AT ATTAPULGUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 087
LATITUDE 304408 LONGITUDE 0842949 NAD27 DRAINAGE AREA 16.9* CONTRIBUTING DRAINAGE AREA DATUM 165 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

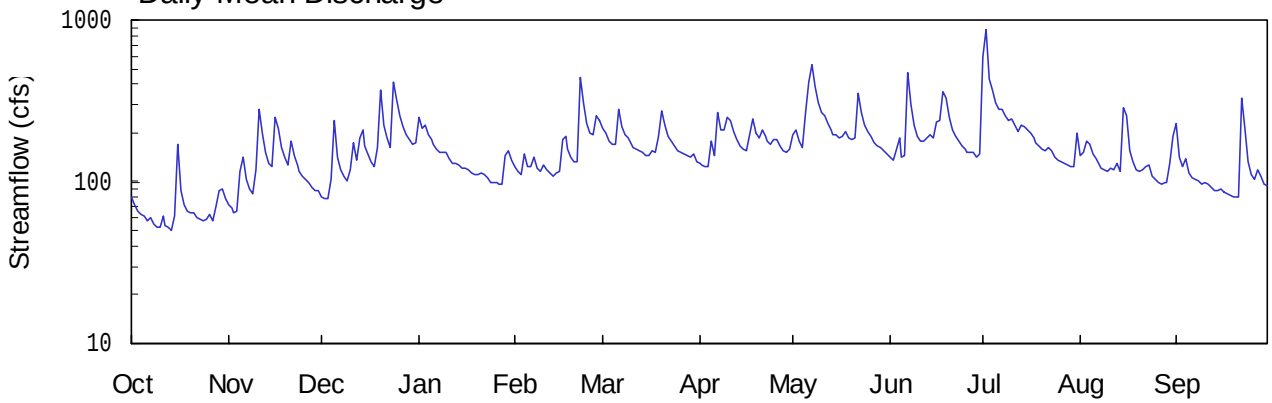
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.00	2.17	2.11	3.94	2.23	3.67	2.52	2.23	2.04	2.27	3.41	2.21
2	1.98	2.10	2.09	2.80	2.16	4.04	2.48	2.21	2.03	2.75	4.42	2.17
3	1.94	2.07	2.08	2.60	2.17	3.27	2.44	2.19	2.10	2.80	3.26	2.18
4	2.01	2.05	2.09	2.58	2.33	3.53	2.41	2.19	2.11	2.76	2.61	2.19
5	2.04	2.09	2.53	2.45	2.24	3.13	2.43	2.14	2.08	2.36	2.45	2.13
6	2.01	3.45	2.50	2.41	2.38	3.22	2.45	2.19	2.19	2.27	2.50	2.13
7	1.99	2.53	2.35	2.35	4.13	4.52	2.64	2.18	2.81	2.29	2.58	2.11
8	2.07	2.28	2.23	2.34	2.81	3.97	4.99	2.12	2.58	2.31	2.41	2.10
9	2.01	2.20	2.20	2.33	2.62	5.35	4.82	2.15	2.27	2.21	2.27	2.07
10	1.98	2.20	2.20	2.32	2.58	4.79	3.71	2.20	2.14	2.13	2.27	2.07
11	1.98	2.65	2.23	2.33	2.45	3.51	3.08	2.17	2.17	2.08	2.23	2.06
12	1.98	5.63	2.19	2.27	2.38	2.99	2.83	2.16	2.11	2.08	2.79	2.04
13	1.97	3.62	3.09	2.25	2.35	2.96	2.68	2.15	2.20	2.19	3.27	2.04
14	1.97	2.74	2.58	2.24	2.41	2.85	2.59	2.17	2.22	2.18	2.78	2.05
15	2.20	2.56	2.35	2.22	2.34	2.84	2.52	2.09	2.55	2.13	2.63	2.07
16	2.14	2.64	2.27	2.27	3.62	2.72	2.50	2.03	4.05	2.10	2.57	2.06
17	2.01	2.63	2.24	2.22	3.14	3.09	2.47	2.02	2.64	2.10	3.02	2.04
18	1.96	2.44	2.24	2.16	2.65	3.16	2.44	2.02	2.49	2.18	3.37	2.02
19	1.95	2.28	2.23	2.16	2.52	3.19	2.38	2.07	2.47	2.11	2.61	2.07
20	1.93	2.22	2.84	2.18	2.40	5.54	2.33	2.08	2.33	2.08	2.44	2.04
21	1.94	2.16	2.46	2.20	2.45	5.22	2.31	2.05	2.31	2.04	2.35	2.23
22	1.97	2.17	2.29	2.20	3.30	3.91	2.29	2.26	2.18	2.23	2.37	2.54
23	1.96	2.20	2.27	2.32	2.98	3.32	2.17	2.31	2.14	2.41	2.33	2.84
24	2.36	2.12	3.61	2.17	2.61	2.91	2.13	2.15	2.11	2.59	2.50	2.34
25	2.27	2.12	3.51	2.13	2.52	2.61	2.76	2.07	2.08	2.46	2.26	2.24
26	2.15	2.14	2.62	2.13	2.55	2.57	2.86	2.04	2.07	2.52	2.36	2.24
27	2.14	2.24	2.48	2.14	5.91	2.63	2.40	2.06	2.08	2.18	2.27	2.18
28	2.09	2.16	2.41	2.31	4.56	2.68	2.30	2.06	2.11	2.04	2.21	2.14
29	2.39	2.10	2.36	2.22	---	2.57	2.25	2.05	2.20	2.15	3.92	2.09
30	3.17	2.09	2.33	2.23	---	2.78	2.22	2.04	2.24	4.08	2.62	2.11
31	2.37	---	2.80	2.26	---	2.59	---	2.04	---	3.16	2.30	---
MEAN	2.09	2.47	2.44	2.35	2.81	3.42	2.68	2.13	2.30	2.36	2.69	2.16
MAX	3.17	5.63	3.61	3.94	5.91	5.54	4.99	2.31	4.05	4.08	4.42	2.84
MIN	1.93	2.05	2.08	2.13	2.16	2.57	2.13	2.02	2.03	2.04	2.21	2.02

2003 Water Year

02330450 CHATTAHOOCHEE RIVER AT HELEN, GA

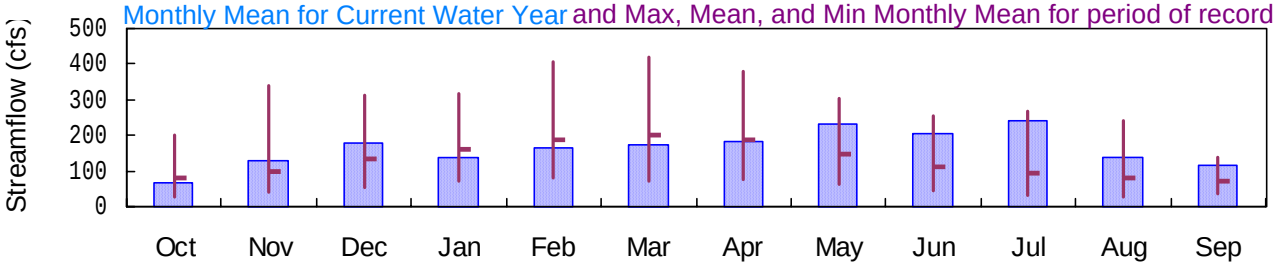
Latitude: 34°42'03" Longitude: 083°43'44" Hydrologic Unit Code: 03130001 White County
Drainage Area: 44.7 mi^2 Datum: 1404. feet

Daily Mean Discharge

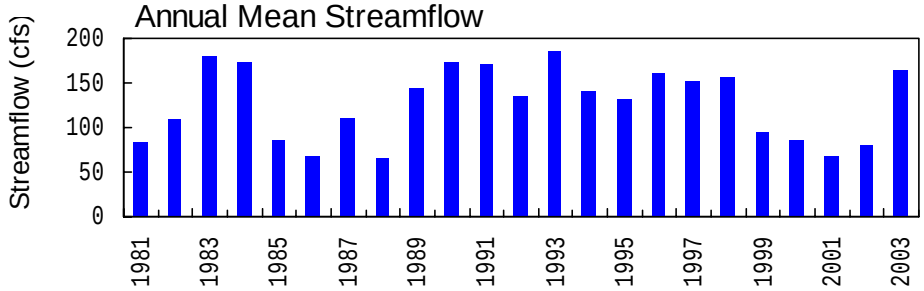


Monthly Statistics

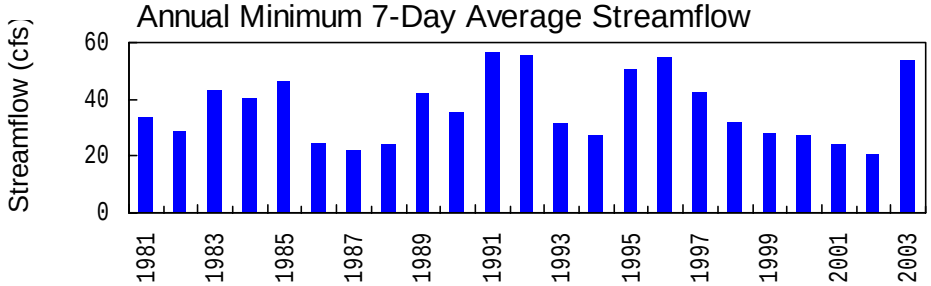
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



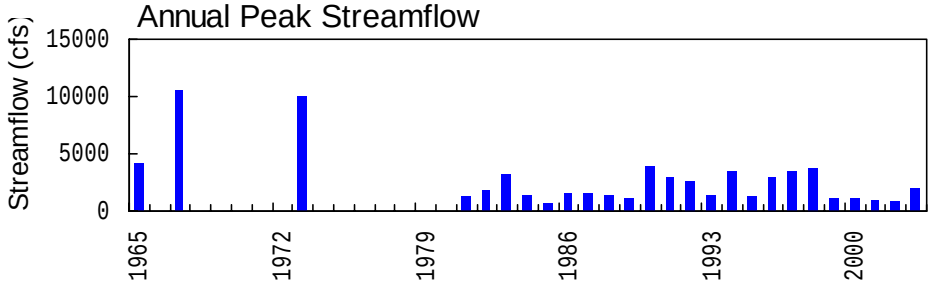
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2003 Water Year

02330450 CHATTAHOOCHEE RIVER AT HELEN, GA

LOCATION.—Lat 34°42'03", long 83°43'44" referenced to North American Datum (NAD) of 1983, White County, Hydrologic Unit 03130001, on downstream side of bridge on GA 17 and 75 at Helen, and 1.1 miles downstream from Smith Creek.

DRAINAGE AREA.—44.7 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1981 to current year. Miscellaneous low-flow measurements, water years 1953, 1955.

GAGE.—Satellite telemetry with a water-stage recorder and continuous water-temperature thermistor. Datum of gage is 1,404.04 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good. Some regulation occurs at low-flow on Smith Creek by Unicoi Lake at Unicoi State Park.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of August 23, 1967, reached a discharge of 11,000 cfs from contracted-opening computation at highway bridge 2.0 miles downstream at a drainage area of 48.2 square miles.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,200 cfs, and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
07/01	2345	1,910*	4.39*
08/15	2045	1,620	4.03

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1981 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water temperature thermistor. Datum of gage is 1,404.04 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 4.39 feet, July 1; minimum gage-height recorded, 0.40 feet, October 14, 15.

02330450 CHATTAHOOCHEE RIVER AT HELEN, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 18, 2003 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02330450 CHATTAHOOCHEE RIVER AT HELEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 311
LATITUDE 344203 LONGITUDE 0834344 NAD83 DRAINAGE AREA 44.7 CONTRIBUTING DRAINAGE AREA 44.7* DATUM 1404.04 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	72	80	251	123	213	130	197	143	595	147	231
2	72	68	79	212	115	199	127	209	137	868	151	143
3	66	65	78	225	110	180	125	177	159	435	177	123
4	62	65	104	195	150	170	124	162	188	367	171	138
5	61	116	238	182	123	169	178	270	141	309	150	114
6	57	142	143	170	124	281	146	414	145	284	138	106
7	60	104	119	158	141	219	266	533	477	283	128	104
8	55	91	108	154	121	196	208	385	298	255	121	102
9	52	84	102	152	117	185	209	305	225	241	119	97
10	52	117	118	153	127	172	250	270	192	243	116	98
11	61	283	174	139	118	165	238	258	177	222	121	97
12	54	199	134	131	114	158	203	228	180	203	117	92
13	53	154	187	130	109	154	182	208	187	226	130	89
14	50	129	211	127	112	151	167	197	196	218	115	88
15	61	123	167	121	115	146	160	194	186	208	285	90
16	172	250	148	122	184	144	155	187	233	199	259	86
17	87	213	134	119	192	155	195	189	237	188	156	84
18	71	162	124	112	158	154	246	203	364	175	132	83
19	66	141	161	110	142	191	200	186	331	166	120	81
20	64	128	366	111	133	272	185	181	250	160	116	80
21	64	179	225	113	132	221	211	188	211	154	118	80
22	61	146	188	111	444	190	192	350	190	164	125	331
23	59	126	164	105	306	177	177	269	178	155	128	216
24	58	116	410	99	231	165	171	225	166	143	109	132
25	58	109	325	100	199	156	183	203	160	137	103	112
26	62	104	255	99	196	154	182	189	153	131	99	102
27	58	98	219	97	257	149	165	176	151	131	97	118
28	70	93	197	96	242	144	156	165	152	127	99	109
29	89	89	182	146	---	142	151	162	141	123	99	97
30	90	87	171	156	---	147	158	154	149	124	129	94
31	78	---	173	134	---	132	---	150	---	200	193	---
TOTAL	2103	3853	5484	4330	4635	5451	5440	7184	6097	7434	4268	3517
MEAN	67.8	128	177	140	166	176	181	232	203	240	138	117
MAX	172	283	410	251	444	281	266	533	477	868	285	331
MIN	50	65	78	96	109	132	124	150	137	123	97	80
CFSM	1.52	2.87	3.96	3.12	3.70	3.93	4.06	5.18	4.55	5.36	3.08	2.62
IN.	1.75	3.21	4.56	3.60	3.86	4.54	4.53	5.98	5.07	6.19	3.55	2.93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2003, BY WATER YEAR (WY)

MEAN	79.4	99.3	135	161	186	201	187	147	111	93.5	80.4	71.5
MAX	200	340	311	318	408	418	382	305	255	268	242	137
(WY)	1990	1993	1983	1993	1990	1990	1983	1984	1989	1989	1994	1992
MIN	25.3	39.5	52.3	71.8	78.6	72.3	73.8	63.0	44.4	30.9	28.9	34.5
(WY)	2001	1988	1988	1985	1986	1988	1986	1986	1986	1986	2002	1986

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1981 - 2003	
ANNUAL TOTAL	35799		59796			
ANNUAL MEAN	98.1		164		129	
HIGHEST ANNUAL MEAN					186	1993
LOWEST ANNUAL MEAN					66.4	1988
HIGHEST DAILY MEAN	490	Sep 27	868	Jul 2	2000	Mar 17 1990
LOWEST DAILY MEAN	20	Sep 11	50	Oct 14	20	Oct 6 1986
ANNUAL SEVEN-DAY MINIMUM	21	Sep 7	54	Oct 8	21	Sep 7 2002
MAXIMUM PEAK FLOW			1910	Jul 1	3850	Mar 17 1990
MAXIMUM PEAK STAGE			4.39	Jul 1	5.94	Mar 17 1990
INSTANTANEOUS LOW FLOW			49	Oct 14	19	Oct 6 1986
ANNUAL RUNOFF (CFSM)	2.19		3.66		2.89	
ANNUAL RUNOFF (INCHES)	29.79		49.76		39.27	
10 PERCENT EXCEEDS	172		250		241	
50 PERCENT EXCEEDS	85		151		100	
90 PERCENT EXCEEDS	32		81		40	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02330450 CHATTAHOOCHEE RIVER AT HELEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 311
LATITUDE 344203 LONGITUDE 0834344 NAD83 DRAINAGE AREA 44.7 CONTRIBUTING DRAINAGE AREA 44.7* DATUM 1404.04 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.62	0.57	0.69	1.30	0.88	1.19	0.91	1.14	0.96	1.98	0.97	1.24
2	0.57	0.54	0.69	1.19	0.85	1.15	0.90	1.18	0.94	2.70	0.98	0.96
3	0.53	0.52	0.68	1.23	0.83	1.09	0.89	1.08	1.02	1.82	1.08	0.88
4	0.50	0.53	0.79	1.13	0.98	1.06	0.89	1.03	1.10	1.65	1.05	0.94
5	0.50	0.78	1.26	1.10	0.88	1.05	1.07	1.35	0.95	1.48	0.98	0.85
6	0.47	0.94	0.96	1.05	0.89	1.39	0.97	1.77	0.96	1.40	0.94	0.81
7	0.49	0.76	0.87	1.01	0.95	1.21	1.34	2.05	1.91	1.39	0.90	0.80
8	0.45	0.69	0.82	1.00	0.88	1.14	1.17	1.69	1.44	1.31	0.87	0.79
9	0.43	0.65	0.79	0.99	0.86	1.10	1.18	1.47	1.23	1.27	0.87	0.77
10	0.43	0.83	0.85	1.00	0.90	1.06	1.30	1.35	1.13	1.28	0.85	0.78
11	0.49	1.44	1.07	0.94	0.86	1.04	1.26	1.32	1.08	1.22	0.88	0.77
12	0.44	1.17	0.93	0.91	0.85	1.02	1.16	1.23	1.09	1.16	0.86	0.75
13	0.43	1.00	1.10	0.91	0.83	1.00	1.09	1.18	1.11	1.23	0.91	0.74
14	0.41	0.90	1.18	0.90	0.84	0.99	1.04	1.14	1.13	1.21	0.85	0.73
15	0.49	0.88	1.04	0.88	0.85	0.97	1.02	1.13	1.11	1.17	1.24	0.74
16	1.06	1.30	0.98	0.88	1.09	0.97	1.01	1.11	1.24	1.15	1.32	0.72
17	0.66	1.19	0.93	0.86	1.13	1.00	1.12	1.12	1.26	1.11	1.00	0.71
18	0.57	1.03	0.89	0.84	1.01	1.00	1.28	1.16	1.60	1.07	0.92	0.70
19	0.53	0.95	1.00	0.83	0.96	1.12	1.15	1.11	1.54	1.04	0.87	0.70
20	0.52	0.90	1.63	0.84	0.92	1.36	1.10	1.09	1.30	1.02	0.85	0.69
21	0.51	1.08	1.22	0.84	0.92	1.21	1.18	1.11	1.18	1.00	0.86	0.69
22	0.49	0.97	1.11	0.83	1.81	1.12	1.13	1.58	1.12	1.03	0.88	1.46
23	0.48	0.89	1.04	0.81	1.47	1.08	1.08	1.35	1.08	1.00	0.90	1.19
24	0.47	0.86	1.73	0.78	1.24	1.04	1.06	1.22	1.04	0.96	0.83	0.92
25	0.48	0.83	1.53	0.79	1.15	1.01	1.09	1.16	1.02	0.94	0.80	0.84
26	0.50	0.80	1.31	0.78	1.14	1.00	1.09	1.12	1.00	0.92	0.78	0.79
27	0.47	0.78	1.21	0.77	1.32	0.98	1.04	1.07	0.99	0.92	0.77	0.86
28	0.55	0.75	1.14	0.77	1.27	0.97	1.01	1.04	0.99	0.90	0.78	0.82
29	0.68	0.73	1.09	0.95	---	0.96	0.99	1.03	0.95	0.88	0.78	0.77
30	0.68	0.73	1.06	1.01	---	0.97	1.01	1.00	0.98	0.89	0.90	0.75
31	0.61	---	1.06	0.93	---	0.92	---	0.99	---	1.14	1.10	---
MEAN	0.53	0.87	1.05	0.94	1.02	1.07	1.08	1.24	1.15	1.23	0.92	0.84
MAX	1.06	1.44	1.73	1.30	1.81	1.39	1.34	2.05	1.91	2.70	1.32	1.46
MIN	0.41	0.52	0.68	0.77	0.83	0.92	0.89	0.99	0.94	0.88	0.77	0.69

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02330450 CHATTAHOOCHEE RIVER AT HELEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 311
LATITUDE 344203 LONGITUDE 0834344 NAD83 DRAINAGE AREA 44.7 CONTRIBUTING DRAINAGE AREA 44.7* DATUM 1404.04 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	0.96	0.00	6.15	0.11	0.01
2	---	---	---	---	---	---	---	0.11	0.00	0.25	0.11	0.00
3	---	---	---	---	---	---	---	0.00	0.68	0.36	0.65	0.01
4	---	---	---	---	---	---	---	0.00	1.00	0.00	0.00	0.79
5	---	---	---	---	---	---	---	2.36	0.00	0.00	0.15	0.00
6	---	---	---	---	---	---	---	0.93	1.05	0.06	0.45	0.00
7	---	---	---	---	---	---	---	1.13	2.04	0.21	0.01	0.07
8	---	---	---	---	---	---	---	0.00	0.02	0.00	0.00	0.00
9	---	---	---	---	---	---	---	0.00	0.00	0.65	0.00	0.00
10	---	---	---	---	---	---	---	0.00	0.00	0.36	0.00	0.65
11	---	---	---	---	---	---	---	0.35	0.00	0.00	0.12	0.00
12	---	---	---	---	---	---	---	0.00	0.31	0.00	0.51	0.00
13	---	---	---	---	---	---	---	0.00	0.26	1.49	0.12	0.00
14	---	---	---	---	---	---	---	0.00	0.44	1.23	0.01	0.00
15	---	---	---	---	---	---	---	0.08	0.12	0.01	1.26	0.00
16	---	---	---	---	---	---	---	0.00	0.31	0.42	0.01	0.00
17	---	---	---	---	---	---	---	0.11	0.38	0.01	0.00	0.00
18	---	---	---	---	---	---	0.25	0.32	1.85	0.00	0.00	0.00
19	---	---	---	---	---	---	0.00	0.10	0.00	0.00	0.00	0.00
20	---	---	---	---	---	---	0.00	0.01	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	0.60	0.24	0.00	0.00	0.36	0.03
22	---	---	---	---	---	---	0.00	1.13	0.00	0.27	0.16	2.64
23	---	---	---	---	---	---	0.00	0.48	0.00	0.14	0.01	0.00
24	---	---	---	---	---	---	0.19	0.00	0.00	0.00	0.00	0.00
25	---	---	---	---	---	---	0.53	0.05	0.00	0.00	0.00	0.00
26	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
27	---	---	---	---	---	---	0.00	0.00	0.00	0.09	0.00	1.37
28	---	---	---	---	---	---	0.00	0.00	0.24	0.01	0.04	0.00
29	---	---	---	---	---	---	0.00	0.01	0.00	0.00	0.25	0.00
30	---	---	---	---	---	---	0.00	0.00	0.28	0.07	0.83	0.00
31	---	---	---	---	---	---	---	0.00	---	1.69	0.13	---
TOTAL	---	---	---	---	---	---	---	8.37	8.98	13.47	5.29	5.57

APALACHICOLA RIVER BASIN
2003 Water Year

02330450 CHATTAHOOCHEE RIVER AT HELEN, GA

LOCATION.—Lat 33°42'03", Long 84°43'44" referenced to North American Datum (NAD) of 1983, White County, Hydrologic Unit 03130001, on the downstream side bridge on GA 17 and 75 at Helen, and 1.1 miles downstream from Smith Creek.

DRAINAGE AREA.—44.7 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

PERIOD OF RECORD.—July 17, 2003 to September 30, 2003.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: July 17, 2003 to September 30, 2003.

INSTRUMENTATION.—Satellite telemetry with a continuous water temperature thermistor.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: Maximum recorded, 22.5°C, August 28, 2003; minimum recorded, 11.6°C, September 30, 2003.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02330450 CHATTAHOOCHEE RIVER AT HELEN, GA SOURCE AGENCY USGS STATE 13 COUNTY 311
LATITUDE 344203 LONGITUDE 0834344 NAD83 DRAINAGE AREA 44.7 CONTRIBUTING DRAINAGE AREA 44.7 DATUM 1404.04 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	15.8	12.8	13.8	15.0	11.3	13.0	9.1	6.4	7.5	---	---	---
2	14.6	11.8	13.0	15.2	11.6	13.2	8.0	5.8	7.0	---	---	---
3	13.2	10.6	11.8	15.4	11.6	13.3	7.1	6.6	6.8	---	---	---
4	14.1	11.0	12.5	15.0	13.0	14.0	7.1	6.2	6.6	---	---	---
5	14.6	12.2	13.5	16.2	14.8	15.5	7.6	6.6	7.3	---	---	---
6	15.4	14.0	14.6	17.8	15.8	16.6	7.6	5.6	6.4	8.8	4.1	6.4
7	16.6	14.3	15.2	17.2	15.2	16.0	6.8	4.8	5.7	4.1	2.0	3.1
8	16.8	15.0	15.6	15.8	14.3	15.1	7.1	4.6	5.8	4.8	3.0	3.9
9	16.2	15.2	15.6	14.3	11.1	12.8	8.2	5.1	6.6	5.5	4.6	4.9
10	16.6	15.4	15.8	12.0	9.6	10.8	9.6	8.0	8.8	5.3	3.4	4.6
11	16.0	15.2	15.5	13.0	9.6	11.1	8.0	6.0	6.8	4.8	2.3	3.5
12	17.6	14.8	15.9	14.6	11.1	12.7	7.5	5.3	6.4	6.2	3.2	4.5
13	17.4	14.6	15.9	14.0	8.4	11.3	6.8	5.6	6.3	7.6	5.0	6.0
14	17.0	14.3	15.9	10.0	7.1	8.5	7.3	6.4	6.8	7.6	5.5	6.4
15	15.2	12.4	13.8	11.6	8.4	9.9	7.5	5.6	6.5	7.8	5.3	6.6
16	14.3	10.8	12.4	12.2	9.3	10.8	8.0	5.5	6.8	7.0	4.3	5.5
17	13.2	10.8	12.1	14.5	12.0	13.2	8.2	5.1	6.8	6.4	4.6	5.6
18	14.8	11.6	12.9	14.5	13.6	14.0	6.4	4.8	5.7	8.2	6.4	7.2
19	14.8	11.3	13.0	14.5	12.0	13.9	6.0	4.5	5.3	7.0	3.6	5.3
20	15.4	11.8	13.4	12.4	10.8	11.5	4.5	3.2	3.8	4.8	2.1	3.4
21	15.8	12.2	13.9	12.2	9.6	11.0	4.6	2.5	3.6	5.5	2.8	3.9
22	15.6	13.2	14.1	12.2	9.6	11.0	6.0	3.4	4.7	6.0	3.2	4.4
23	14.1	11.3	12.7	12.4	9.8	11.2	7.3	4.5	5.7	4.8	2.1	3.5
24	14.3	11.0	12.4	12.8	8.8	11.7	7.6	5.0	6.8	7.3	2.5	4.9
25	14.3	10.8	12.5	9.0	7.0	7.9	5.3	3.6	4.4	6.2	5.0	5.7
26	14.1	13.0	13.7	9.3	6.8	8.1	5.8	3.8	4.6	5.3	5.0	5.1
27	14.6	12.4	14.0	10.8	8.8	9.6	6.4	3.8	5.0	6.4	3.4	5.2
28	12.4	10.4	11.5	11.8	8.0	10.6	6.8	4.5	5.6	4.0	1.4	2.7
29	13.6	11.0	12.0	8.0	6.0	6.7	7.6	5.6	6.5	5.0	2.3	3.4
30	14.0	10.0	11.9	7.8	5.5	6.6	7.8	5.6	7.0	---	---	---
31	14.5	11.1	12.6	---	---	---	---	---	---	---	---	---
MONTH	17.6	10.0	13.7	17.8	5.5	11.7	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02330450 CHATTAHOOCHEE RIVER AT HELEN, GA SOURCE AGENCY USGS STATE 13 COUNTY 311
LATITUDE 344203 LONGITUDE 0834344 NAD83 DRAINAGE AREA 44.7 CONTRIBUTING DRAINAGE AREA 44.7 DATUM 1404.04 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	9.3	6.2	7.7	---	---	---	---	---	---
2	---	---	---	10.2	9.1	9.7	---	---	---	---	---	---
3	---	---	---	12.8	9.6	10.9	---	---	---	---	---	---
4	---	---	---	12.8	10.6	11.6	---	---	---	---	---	---
5	---	---	---	11.8	11.3	11.6	---	---	---	---	---	---
6	---	---	---	14.6	11.5	12.7	---	---	---	---	---	---
7	---	---	---	13.4	9.6	11.1	---	---	---	---	---	---
8	---	---	---	10.2	7.0	8.4	---	---	---	---	---	---
9	---	---	---	8.2	6.0	7.0	---	---	---	---	---	---
10	---	---	---	10.0	5.6	7.4	---	---	---	---	---	---
11	---	---	---	10.2	5.3	7.6	---	---	---	---	---	---
12	---	---	---	11.0	6.8	8.4	---	---	---	---	---	---
13	---	---	---	9.8	5.8	7.6	---	---	---	---	---	---
14	---	---	---	11.1	7.1	8.8	---	---	---	---	---	---
15	---	---	---	11.8	9.8	10.6	---	---	---	---	---	---
16	---	---	---	13.8	10.2	11.5	---	---	---	---	---	---
17	---	---	---	12.4	8.6	10	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	9.6	7.0	8.2	---	---	---	---	---	---	---	---	---
22	9.1	5.6	7.2	---	---	---	---	---	---	---	---	---
23	7.8	6.0	7.0	---	---	---	---	---	---	---	---	---
24	9.0	7.5	8.0	---	---	---	---	---	---	---	---	---
25	8.6	7.0	8.0	---	---	---	---	---	---	---	---	---
26	7.0	4.6	5.4	---	---	---	---	---	---	---	---	---
27	7.8	5.1	6.2	---	---	---	---	---	---	---	---	---
28	9.0	4.8	6.6	---	---	---	---	---	---	---	---	---
29	8.8	4.8	6.5	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02330450 CHATTAHOOCHEE RIVER AT HELEN, GA SOURCE AGENCY USGS STATE 13 COUNTY 311
LATITUDE 344203 LONGITUDE 0834344 NAD83 DRAINAGE AREA 44.7 CONTRIBUTING DRAINAGE AREA 44.7 DATUM 1404.04 NGVD29

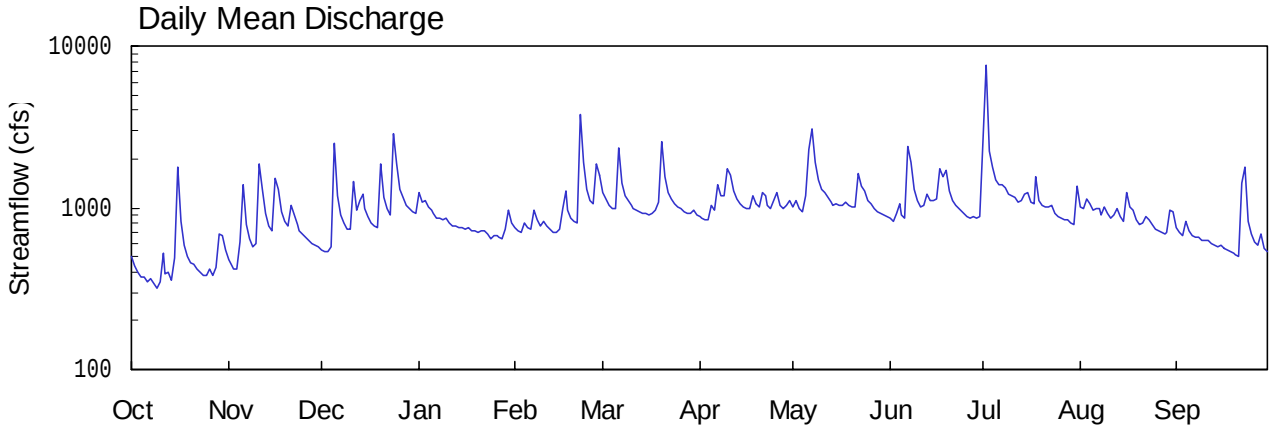
Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

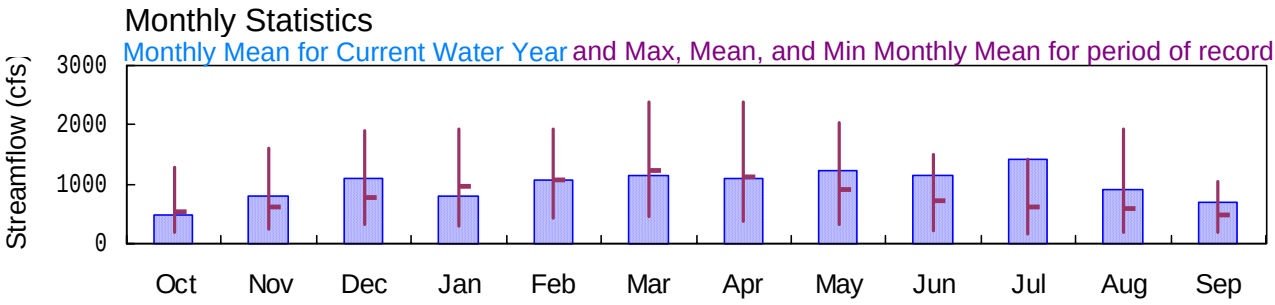
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

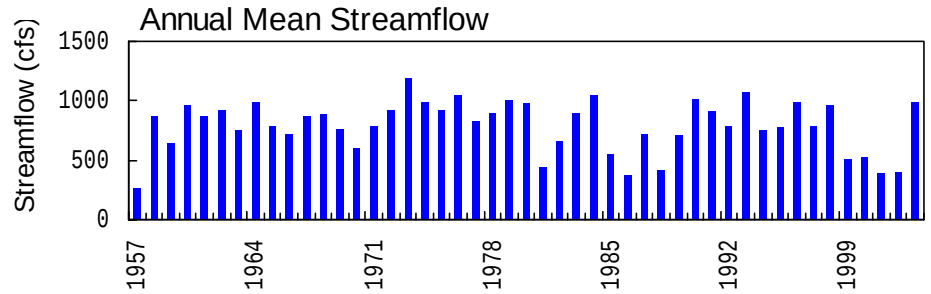
2003 Water Year

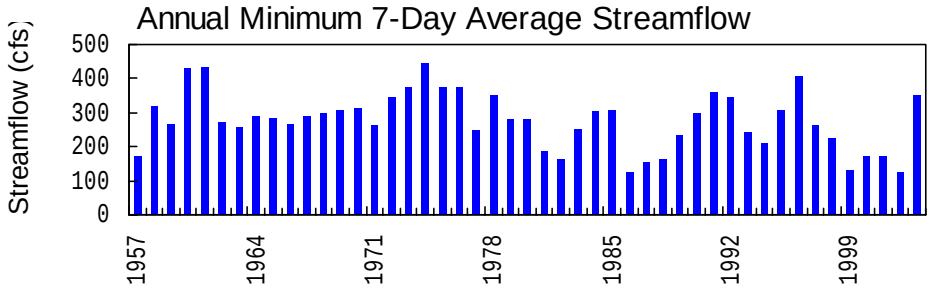
02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA

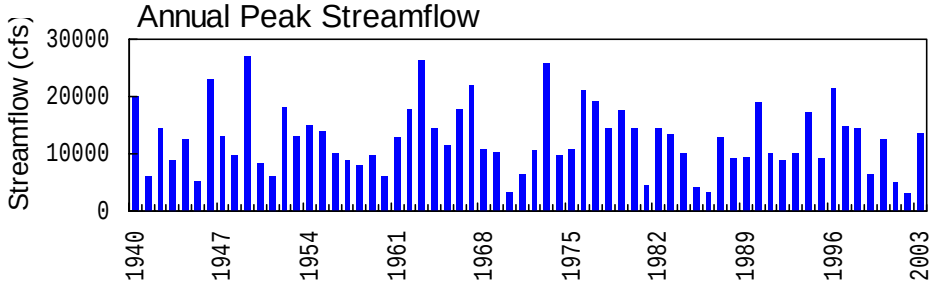
Latitude: 34°32'27" Longitude: 083°37'14" Hydrologic Unit Code: 03130001 Habersham County
Drainage Area: 315 mi^2 Datum: 1128. feet











APALACHICOLA RIVER BASIN
2003 Water Year

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA

LOCATION.—Lat 34°32'27", long 83°37'14" referenced to North American Datum (NAD) of 1983, Habersham-White County line, Hydrologic Unit 03130001, on downstream side of bridge on Duncan Bridge Road (GA 384), 1.0 mile downstream from Soque River, 6.0 miles northwest of Cornelia, and at mile 401.4.

DRAINAGE AREA.—315 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 1957 to current year.

REVISED RECORDS.—WSP 2106: 1963(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 1,128.53 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to June 28, 1977 and after June 16, 1992 to October 25, 1994, located at a site 1,000 feet upstream at same datum.

REMARKS.—Records good. Some regulation at low flow occurs from Habersham Mill power plant.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 6,200 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
02/22	1245	7,860	7.70
07/02	0330	13,600*	11.58*

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 1957 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 1,128.53 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to June 28, 1977 and from June 16, 1992 to October 25, 1994, located at a site 1,000 feet upstream at same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.58 feet, July 2; minimum gage-height recorded, 0.63 feet, October 9.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 16, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 137
LATITUDE 343227 LONGITUDE 0833714 NAD83 DRAINAGE AREA 315 CONTRIBUTING DRAINAGE AREA 315* DATUM 1128.53 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	496	477	550	1240	747	1230	873	1020	857	2550	1010	e750
2	442	439	537	1080	717	1130	865	1100	830	7660	979	e700
3	403	418	535	1110	697	1040	853	998	925	2250	1130	e670
4	376	414	579	1010	812	992	848	937	1060	1770	1070	830
5	374	613	2500	959	752	983	1030	1190	905	1490	962	723
6	346	1390	1170	917	728	2340	967	2310	855	1390	984	670
7	364	793	907	872	975	1420	1400	3080	2390	1390	998	651
8	338	636	802	859	837	1190	1200	1930	1930	1320	906	651
9	316	569	730	846	774	1110	1190	1480	1290	1220	1000	635
10	349	596	735	854	820	1040	1730	1300	1100	1200	924	621
11	523	1880	1450	798	768	989	1600	1230	1020	1160	858	625
12	393	1290	972	778	733	956	1270	1160	1030	1090	898	598
13	399	933	1110	769	704	945	1140	1080	1220	1120	982	581
14	354	776	1230	761	708	925	1050	1040	1100	1200	886	571
15	494	727	989	745	742	923	1010	1050	1100	1230	825	586
16	1790	1510	886	740	992	913	983	1030	1140	1070	1250	565
17	824	1310	815	752	1270	927	980	1030	1730	1060	1010	546
18	592	947	767	713	974	977	1190	1080	1550	1560	956	534
19	498	828	751	713	872	1090	1060	1040	1690	1110	845	519
20	455	763	1880	710	822	2570	1010	1010	1270	1020	794	508
21	448	1020	1170	719	798	1560	1240	1010	1100	1010	800	505
22	417	903	992	712	3770	1250	1180	1640	1030	1000	888	1420
23	397	780	902	685	1930	1130	1030	1370	978	1020	851	1770
24	383	725	2900	647	1310	1060	987	1280	937	932	782	817
25	383	687	1870	675	1110	1010	1110	1110	905	883	744	691
26	414	657	1310	666	1050	982	1250	1050	883	859	717	619
27	379	631	1150	655	1850	955	1040	993	868	847	698	591
28	429	603	1050	644	1590	933	981	950	886	845	689	686
29	695	588	993	730	---	921	1040	932	871	810	696	557
30	665	578	942	956	---	963	1110	911	887	792	e960	530
31	552	---	922	800	---	901	---	884	---	1350	e935	---
TOTAL	15288	24481	34096	25115	29852	35355	33217	38225	34337	44208	28027	20720
MEAN	493	816	1100	810	1066	1140	1107	1233	1145	1426	904	691
MAX	1790	1880	2900	1240	3770	2570	1730	3080	2390	7660	1250	1770
MIN	316	414	535	644	697	901	848	884	830	792	689	505
CFSM	1.57	2.59	3.49	2.57	3.38	3.62	3.52	3.91	3.63	4.53	2.87	2.19
IN.	1.81	2.89	4.03	2.97	3.53	4.18	3.92	4.51	4.06	5.22	3.31	2.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2003, BY WATER YEAR (WY)

MEAN	536	604	777	958	1076	1219	1129	923	731	611	585	486
MAX	1287	1602	1909	1938	1917	2376	2385	2043	1487	1426	1926	1058
(WY)	1990	1993	1962	1993	1998	1980	1964	1973	1973	2003	1967	1967
MIN	184	243	310	293	426	449	368	324	227	166	179	184
(WY)	2001	2002	1966	1981	1986	1988	1986	1986	1986	1986	1986	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1957 - 2003	
ANNUAL TOTAL	195084		362921			
ANNUAL MEAN	534		994		802	
HIGHEST ANNUAL MEAN					1198	1973
LOWEST ANNUAL MEAN					370	1986
HIGHEST DAILY MEAN	2900	Dec 24	7660	Jul 2	15800	Aug 23 1967
LOWEST DAILY MEAN	111	Sep 12	316	Oct 9	91	Sep 7 1957
ANNUAL SEVEN-DAY MINIMUM	125	Sep 7	352	Oct 4	124	Jul 16 1986
MAXIMUM PEAK FLOW			13600	Jul 2	26400	Mar 12 1963
MAXIMUM PEAK STAGE			11.58	Jul 2	20.55	Mar 12 1963
ANNUAL RUNOFF (CFSM)	1.70		3.16		2.55	
ANNUAL RUNOFF (INCHES)	23.04		42.86		34.59	
10 PERCENT EXCEEDS	971		1410		1340	
50 PERCENT EXCEEDS	449		932		648	
90 PERCENT EXCEEDS	184		542		305	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 137
LATITUDE 343227 LONGITUDE 0833714 NAD83 DRAINAGE AREA 315 CONTRIBUTING DRAINAGE AREA 315* DATUM 1128.53 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.99	0.96	1.08	1.92	1.36	1.92	1.52	1.68	1.50	3.03	1.67	---
2	0.90	0.89	1.06	1.75	1.32	1.81	1.51	1.78	1.46	7.31	1.64	---
3	0.82	0.85	1.06	1.79	1.29	1.71	1.49	1.66	1.58	2.91	1.81	---
4	0.77	0.84	1.12	1.67	1.44	1.65	1.49	1.59	1.74	2.47	1.74	1.45
5	0.77	1.12	3.15	1.62	1.37	1.64	1.69	1.86	1.55	2.20	1.62	1.33
6	0.71	2.09	1.86	1.57	1.34	3.00	1.63	2.97	1.49	2.09	1.64	1.26
7	0.75	1.42	1.56	1.52	1.63	2.13	2.10	3.70	3.04	2.09	1.66	1.23
8	0.69	1.21	1.43	1.50	1.47	1.87	1.89	2.62	2.62	2.02	1.56	1.23
9	0.64	1.11	1.34	1.48	1.40	1.79	1.88	2.19	1.98	1.90	1.67	1.20
10	0.71	1.15	1.32	1.49	1.45	1.71	2.41	2.00	1.77	1.88	1.58	1.19
11	1.03	2.52	2.15	1.42	1.39	1.65	2.31	1.92	1.69	1.85	1.50	1.19
12	0.80	1.98	1.63	1.40	1.34	1.61	1.96	1.84	1.70	1.77	1.55	1.15
13	0.82	1.59	1.79	1.39	1.30	1.60	1.82	1.75	1.91	1.81	1.64	1.13
14	0.73	1.40	1.92	1.38	1.31	1.58	1.73	1.71	1.78	1.89	1.53	1.11
15	0.93	1.33	1.65	1.36	1.35	1.58	1.68	1.72	1.77	1.92	1.46	1.13
16	2.47	2.20	1.53	1.35	1.64	1.56	1.64	1.69	1.81	1.75	1.93	1.10
17	1.45	2.00	1.45	1.37	1.97	1.58	1.64	1.69	2.42	1.73	1.67	1.07
18	1.14	1.60	1.39	1.32	1.63	1.64	1.87	1.76	2.23	2.25	1.61	1.05
19	1.00	1.46	1.37	1.32	1.52	1.76	1.73	1.71	2.39	1.78	1.48	1.03
20	0.92	1.38	2.56	1.31	1.46	3.22	1.67	1.67	1.96	1.69	1.42	1.01
21	0.91	1.69	1.85	1.33	1.43	2.27	1.92	1.67	1.78	1.68	1.43	1.01
22	0.85	1.55	1.65	1.31	4.22	1.94	1.86	2.33	1.69	1.66	1.53	1.99
23	0.81	1.40	1.55	1.28	2.61	1.81	1.70	2.07	1.64	1.69	1.49	2.48
24	0.78	1.33	3.48	1.22	2.00	1.74	1.65	1.97	1.59	1.59	1.41	1.56
25	0.79	1.28	2.56	1.26	1.79	1.67	1.79	1.79	1.55	1.53	1.36	1.39
26	0.84	1.24	2.00	1.25	1.72	1.64	1.94	1.73	1.53	1.50	1.32	1.29
27	0.78	1.20	1.83	1.23	2.52	1.61	1.71	1.66	1.51	1.48	1.29	1.25
28	0.87	1.16	1.72	1.22	2.29	1.59	1.64	1.61	1.53	1.48	1.28	1.39
29	1.29	1.14	1.66	1.33	---	1.57	1.70	1.59	1.51	1.44	1.29	1.20
30	1.25	1.12	1.60	1.61	---	1.62	1.79	1.56	1.53	1.42	---	1.16
31	1.08	---	1.57	1.43	---	1.55	---	1.53	---	2.05	---	---
MEAN	0.94	1.41	1.74	1.43	1.70	1.81	1.78	1.90	1.81	2.06	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 137
LATITUDE 343227 LONGITUDE 0833714 NAD83 DRAINAGE AREA 315 CONTRIBUTING DRAINAGE AREA 315* DATUM 1128.53 NGVD29

APPROVED

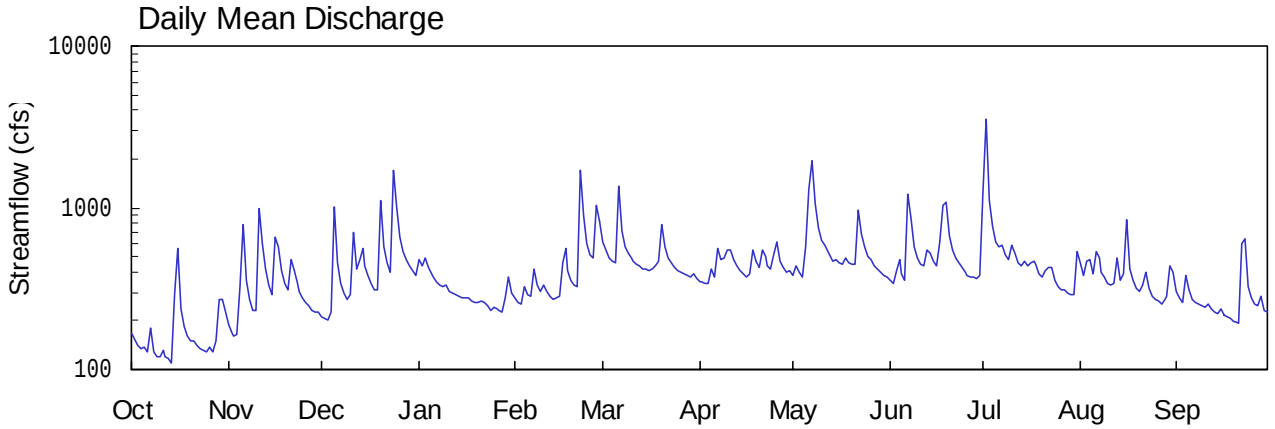
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

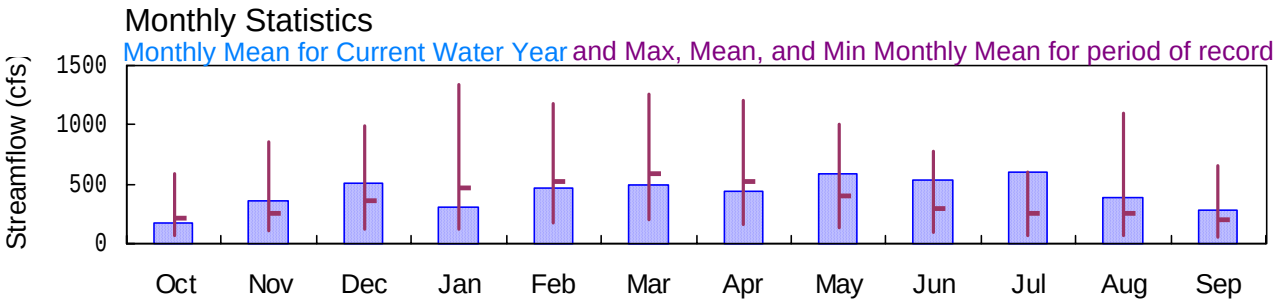
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.42	0.00	0.01	0.00	0.05	0.00	3.73	0.02	---
2	0.00	0.00	0.01	0.18	0.00	0.01	0.00	0.11	0.00	0.11	0.00	---
3	0.00	0.11	0.00	0.04	0.00	0.00	0.00	0.01	0.38	0.00	0.30	---
4	0.02	0.04	1.94	0.00	0.28	0.02	0.05	0.00	0.14	0.00	0.00	0.06
5	0.00	1.92	0.96	0.00	0.00	0.36	0.61	1.22	0.00	0.00	0.01	0.01
6	0.62	0.01	0.00	0.00	0.77	1.72	0.27	0.52	0.77	0.44	0.70	0.00
7	0.30	0.00	0.00	0.00	0.09	0.00	0.40	1.09	0.94	0.20	0.72	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.02	0.00
9	0.00	0.03	0.00	0.15	0.02	0.00	0.39	0.00	0.00	0.00	0.14	0.00
10	0.98	0.08	1.32	0.01	0.34	0.00	1.08	0.00	0.00	0.25	0.07	0.00
11	0.10	1.00	0.04	0.00	0.00	0.00	0.00	0.22	0.18	---	0.00	0.00
12	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.76	0.00
13	0.25	0.00	0.80	0.00	0.00	0.06	0.00	0.00	0.31	---	0.58	0.00
14	0.03	0.00	0.00	0.00	0.22	0.07	0.00	0.00	0.00	0.01	0.00	0.00
15	1.98	0.90	0.00	0.00	0.01	0.05	0.00	0.35	0.00	0.00	0.04	0.15
16	0.05	1.15	0.00	0.00	1.00	0.01	0.00	0.00	0.34	0.00	0.01	0.00
17	0.00	0.00	0.00	0.04	0.00	0.40	0.20	0.32	0.24	1.16	---	0.00
18	0.01	0.00	0.00	0.00	0.00	0.05	0.00	0.17	0.90	0.05	0.00	0.00
19	0.00	0.04	0.86	0.01	0.00	0.93	0.00	0.06	0.05	0.27	0.00	0.00
20	0.16	0.36	0.16	0.00	0.01	0.79	0.00	0.01	0.00	0.00	0.00	0.00
21	0.12	0.54	0.00	0.12	0.25	0.01	0.66	0.21	0.00	0.00	0.00	0.10
22	0.00	0.00	0.13	0.00	1.53	0.00	0.00	0.51	0.00	0.43	0.10	4.06
23	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.28	0.00	0.03	0.00	0.01
24	0.00	0.00	1.84	0.00	0.01	0.00	0.08	0.00	0.00	0.00	0.00	0.00
25	0.16	0.00	0.09	0.00	0.00	0.00	0.78	0.02	0.00	0.00	0.00	0.00
26	0.01	0.00	0.00	0.00	0.42	0.00	0.05	0.03	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.13
28	0.77	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.06	0.00	0.15	0.01
29	0.46	0.00	0.00	0.82	---	0.01	0.22	0.01	0.00	0.00	0.01	0.00
30	0.10	0.00	0.00	0.14	---	0.33	0.06	0.00	0.26	0.00	---	0.00
31	0.00	---	0.41	0.00	---	0.00	---	0.00	---	---	0.00	---
TOTAL	6.12	6.36	8.57	1.93	6.17	4.83	5.03	5.19	5.10	---	---	---

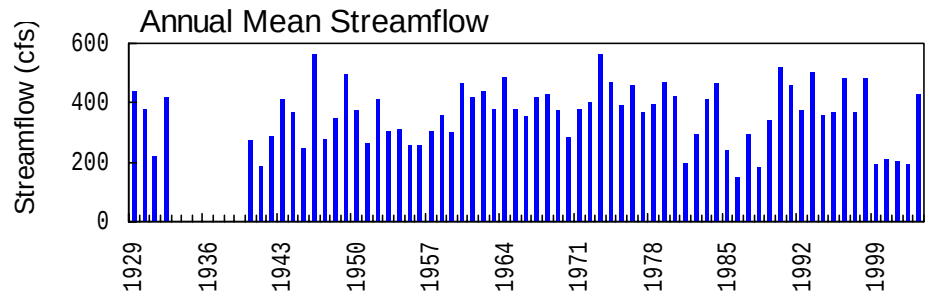
2003 Water Year

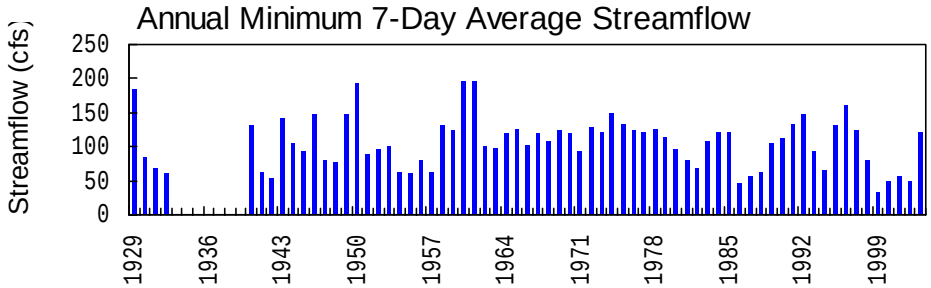
02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA

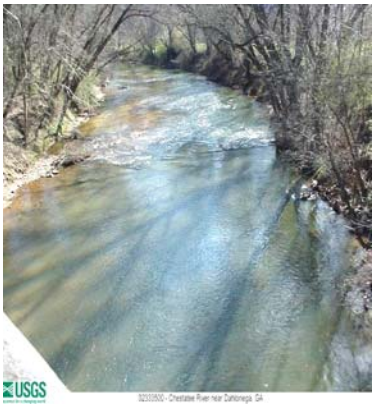
Latitude: 34°31'41" Longitude: 083°56'23" Hydrologic Unit Code: 03130001 Lumpkin County
Drainage Area: 153.0 mi^2 Datum: 1128. feet

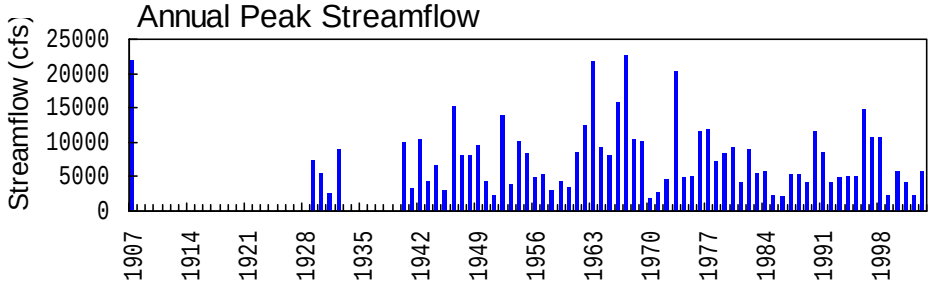












APALACHICOLA RIVER BASIN
2003 Water Year

02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA

LOCATION.—Lat 34°31'41", long 83°56'23" referenced to North American Datum (NAD) of 1983, Lumpkin County, Hydrologic Unit 03130001, on left bank 250.00 feet upstream from Bearden Bridge on GA 52, 2.0 miles downstream from Ballplay Creek, 2.5 miles east of Dahlonega, and 3.5 miles upstream from Yahoola Creek.

DRAINAGE AREA.—153 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1929 to January 1932, April 1940 to current year. Monthly discharge only for July 1929, published in WSP 1304.

REVISED RECORDS.—WRD GA-95-1:1994.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 1,128.60 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good.

PEAKS DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,600 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
12/24	1330	3,550	7.63
02/22	1245	3,690	7.83
05/07	0900	2,970	6.73
07/02	0400	5,840*	10.67*

WATER-STAGE RECORDS

PERIOD OF RECORD.—July 1929 to January 1932, April 1940 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 1,128.60 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 10.67 feet, July 2; minimum gage-height recorded, 0.80 feet, October 15.

02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 17, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 187
LATITUDE 343141 LONGITUDE 0835623 NAD83 DRAINAGE AREA 153.00* CONTRIBUTING DRAINAGE AREA DATUM 1128.60 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	169	189	212	478	276	610	349	380	355	1240	456	305
2	154	170	207	434	262	545	345	433	342	3560	383	275
3	141	161	204	489	252	492	339	401	406	1100	463	262
4	134	164	227	423	322	465	338	371	476	773	476	378
5	136	326	1010	394	290	455	413	579	388	618	392	308
6	128	782	462	369	283	1360	375	1290	358	577	534	269
7	181	356	343	347	415	712	556	1940	1210	589	492	257
8	129	269	300	335	333	574	475	1060	854	516	399	255
9	120	231	274	327	304	524	486	746	574	476	371	246
10	119	233	292	333	332	488	554	623	485	592	343	240
11	131	980	704	305	304	462	548	581	445	527	329	252
12	119	594	413	294	286	444	477	535	440	459	343	235
13	118	416	481	290	273	439	435	487	543	434	489	225
14	110	331	556	285	276	422	407	464	522	464	360	223
15	289	292	437	277	286	413	388	479	468	441	386	238
16	564	658	379	275	461	405	376	458	439	459	848	219
17	237	570	339	278	565	417	389	443	617	470	417	210
18	183	407	312	263	409	434	552	489	1020	446	358	205
19	159	344	312	260	355	464	465	457	1080	390	321	199
20	149	310	1110	258	330	784	429	447	668	371	303	196
21	149	484	573	264	325	573	553	443	545	410	333	192
22	141	410	460	259	1710	488	505	972	488	424	395	598
23	134	339	403	246	910	454	439	684	453	424	316	648
24	130	302	1690	234	605	430	413	576	424	354	286	329
25	129	278	1020	240	515	412	518	505	401	328	273	276
26	137	260	656	238	490	398	611	475	384	314	263	254
27	129	247	538	231	1040	387	463	440	373	308	254	248
28	152	233	476	229	821	378	423	415	374	299	274	284
29	272	227	438	278	---	372	398	399	364	290	282	233
30	271	225	405	370	---	388	412	382	377	293	439	225
31	224	---	385	297	---	361	---	371	---	533	403	---
TOTAL	5338	10788	15618	9600	13030	15550	13431	18325	15873	18479	11981	8284
MEAN	172	360	504	310	465	502	448	591	529	596	386	276
MAX	564	980	1690	489	1710	1360	611	1940	1210	3560	848	648
MIN	110	161	204	229	252	361	338	371	342	290	254	192
CFSM	1.13	2.35	3.29	2.02	3.04	3.28	2.93	3.86	3.46	3.90	2.53	1.80
IN.	1.30	2.62	3.80	2.33	3.17	3.78	3.27	4.46	3.86	4.49	2.91	2.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2003, BY WATER YEAR (WY)

MEAN	208	257	361	466	525	595	522	401	298	261	251	203
MAX	594	855	996	1334	1183	1255	1200	1004	781	596	1097	650
(WY)	1990	1930	1962	1946	1946	1980	1979	1973	1973	2003	1967	1929
MIN	64.7	105	127	119	177	197	158	132	94.0	63.4	63.5	49.5
(WY)	2001	1942	1956	1981	1941	1988	1986	1941	1988	1986	1986	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1929 - 2003	
ANNUAL TOTAL	89636		156297			
ANNUAL MEAN	246		428		361	
HIGHEST ANNUAL MEAN					565	1946
LOWEST ANNUAL MEAN					152	1986
HIGHEST DAILY MEAN	1690	Dec 24	3560	Jul 2	11400	Aug 23 1967
LOWEST DAILY MEAN	47	Sep 12	110	Oct 14	31	Sep 25 1999
ANNUAL SEVEN-DAY MINIMUM	49	Sep 7	121	Oct 8	32	Sep 21 1999
MAXIMUM PEAK FLOW			5840	Jul 2	22700	Aug 23 1967
MAXIMUM PEAK STAGE			10.67	Jul 2	25.17	Aug 23 1967
INSTANTANEOUS LOW FLOW			106	Oct 15	31	Sep 25 1999
ANNUAL RUNOFF (CFSM)	1.61		2.80		2.36	
ANNUAL RUNOFF (INCHES)	21.79		38.00		32.04	
10 PERCENT EXCEEDS	454		613		640	
50 PERCENT EXCEEDS	204		387		272	
90 PERCENT EXCEEDS	81		211		120	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 187
LATITUDE 343141 LONGITUDE 0835623 NAD83 DRAINAGE AREA 153.00* CONTRIBUTING DRAINAGE AREA DATUM 1128.60 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.15	1.22	1.32	2.12	1.55	2.40	1.68	1.76	1.70	3.47	2.06	1.64
2	1.07	1.14	1.30	2.00	1.50	2.22	1.67	1.91	1.66	7.47	1.86	1.54
3	1.00	1.10	1.29	2.15	1.47	2.07	1.65	1.82	1.83	3.48	2.08	1.50
4	0.97	1.12	1.37	1.97	1.68	1.99	1.65	1.74	2.03	2.81	2.11	1.84
5	0.98	1.58	3.27	1.89	1.59	1.97	1.84	2.23	1.78	2.47	1.89	1.65
6	0.94	2.80	2.08	1.82	1.57	3.91	1.75	3.86	1.70	2.38	2.22	1.52
7	1.19	1.79	1.75	1.76	1.95	2.65	2.24	5.01	3.62	2.41	2.15	1.48
8	0.94	1.52	1.62	1.73	1.72	2.30	2.02	3.40	2.96	2.22	1.90	1.48
9	0.89	1.39	1.54	1.71	1.64	2.16	2.05	2.73	2.30	2.12	1.83	1.45
10	0.89	1.40	1.59	1.72	1.72	2.06	2.24	2.43	2.05	2.40	1.75	1.42
11	0.95	3.16	2.64	1.64	1.64	1.98	2.23	2.32	1.94	2.25	1.71	1.46
12	0.88	2.41	1.94	1.61	1.58	1.94	2.03	2.19	1.93	2.07	1.75	1.41
13	0.87	1.95	2.12	1.59	1.54	1.92	1.91	2.05	2.21	2.00	2.14	1.37
14	0.82	1.72	2.32	1.58	1.55	1.88	1.84	1.99	2.16	2.08	1.80	1.36
15	1.40	1.60	2.01	1.55	1.58	1.85	1.79	2.04	2.00	2.02	1.84	1.42
16	2.29	2.53	1.85	1.54	2.05	1.83	1.75	1.97	1.92	2.07	2.92	1.34
17	1.41	2.35	1.74	1.55	2.33	1.86	1.79	1.93	2.41	2.10	1.95	1.31
18	1.20	1.93	1.66	1.50	1.93	1.91	2.24	2.06	3.21	2.03	1.79	1.29
19	1.09	1.75	1.66	1.49	1.79	1.99	1.99	1.97	3.42	1.88	1.69	1.27
20	1.05	1.66	3.48	1.49	1.72	2.80	1.90	1.94	2.54	1.83	1.64	1.25
21	1.05	2.13	2.36	1.51	1.70	2.30	2.23	1.93	2.22	1.94	1.71	1.24
22	1.00	1.94	2.07	1.49	4.45	2.06	2.11	3.17	2.06	1.97	1.89	2.23
23	0.97	1.74	1.92	1.45	3.08	1.96	1.92	2.58	1.96	1.97	1.67	2.50
24	0.95	1.63	4.42	1.40	2.38	1.90	1.85	2.31	1.88	1.78	1.58	1.71
25	0.94	1.56	3.31	1.42	2.14	1.85	2.14	2.11	1.82	1.71	1.54	1.55
26	0.98	1.49	2.56	1.42	2.06	1.81	2.39	2.02	1.77	1.67	1.50	1.47
27	0.94	1.45	2.28	1.39	3.31	1.78	1.99	1.92	1.74	1.65	1.47	1.45
28	1.05	1.40	2.12	1.38	2.89	1.76	1.88	1.86	1.75	1.62	1.53	1.57
29	1.53	1.38	2.01	1.54	---	1.74	1.81	1.81	1.72	1.59	1.57	1.40
30	1.53	1.37	1.92	1.83	---	1.79	1.85	1.77	1.76	1.60	2.02	1.37
31	1.36	---	1.87	1.62	---	1.71	---	1.74	---	2.25	1.92	---
MEAN	1.11	1.74	2.11	1.64	2.00	2.08	1.95	2.28	2.13	2.30	1.85	1.52
MAX	2.29	3.16	4.42	2.15	4.45	3.91	2.39	5.01	3.62	7.47	2.92	2.50
MIN	0.82	1.10	1.29	1.38	1.47	1.71	1.65	1.74	1.66	1.59	1.47	1.24

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 187
LATITUDE 343141 LONGITUDE 0835623 NAD83 DRAINAGE AREA 153.00* CONTRIBUTING DRAINAGE AREA DATUM 1128.60 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.00	0.00	0.36	0.00	0.01	0.00	0.24	0.00	4.24	0.47	0.00
2	---	0.00	0.02	0.51	0.00	0.00	0.00	0.07	0.00	0.11	0.00	0.00
3	---	0.14	0.00	0.01	0.00	0.00	0.00	0.01	0.74	0.00	0.77	0.00
4	---	0.06	1.74	0.00	0.43	0.01	0.01	0.00	0.14	0.00	0.00	0.30
5	---	2.06	0.77	0.00	0.00	0.40	0.64	1.61	0.00	0.00	0.02	0.04
6	---	0.01	0.00	0.00	0.77	1.93	0.23	0.75	0.55	0.33	0.06	0.00
7	---	0.00	0.00	0.00	0.08	0.00	0.62	1.79	1.51	0.38	0.83	0.00
8	---	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00
9	---	0.02	0.00	0.12	0.02	0.00	0.27	0.00	0.00	0.00	0.16	0.00
10	---	0.17	1.59	0.01	0.38	0.00	0.42	0.00	0.00	1.54	0.01	0.06
11	---	1.31	0.03	0.00	0.00	0.00	0.01	0.14	0.02	0.00	0.00	0.00
12	---	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.00	0.52	0.00
13	---	0.00	0.90	0.00	0.00	0.21	0.00	0.00	0.35	0.55	0.01	0.00
14	---	0.00	0.00	0.00	0.26	0.03	0.00	0.01	0.14	0.00	0.00	0.02
15	---	0.64	0.00	0.00	0.01	0.03	0.00	0.50	0.00	0.00	0.29	0.01
16	---	0.80	0.00	0.00	1.47	0.01	0.00	0.00	0.38	0.09	0.30	0.00
17	---	0.00	0.00	0.00	0.00	0.35	0.73	0.09	0.57	0.00	0.15	0.00
18	---	0.00	0.00	0.00	0.00	0.08	0.05	0.43	1.97	0.00	0.01	0.00
19	---	0.05	1.41	0.00	0.00	0.46	0.00	0.04	0.03	0.00	0.00	0.00
20	---	0.59	0.17	0.04	0.02	0.64	0.00	0.07	0.00	0.00	0.00	0.00
21	---	0.48	0.00	0.13	0.28	0.00	0.92	0.29	0.00	0.00	0.30	0.03
22	---	0.00	0.14	0.01	1.70	0.00	0.00	1.01	0.00	0.30	0.20	2.16
23	0.00	0.00	0.02	0.00	0.04	0.00	0.00	0.07	0.00	0.01	0.01	0.01
24	0.00	0.00	2.24	0.00	0.02	0.00	0.10	0.00	0.00	0.00	0.00	0.00
25	0.12	0.00	0.12	0.00	0.00	0.00	1.26	0.06	0.00	0.00	0.00	0.00
26	0.01	0.00	0.00	0.00	0.43	0.00	0.01	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.53
28	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.95	0.00
29	0.76	0.00	0.00	1.06	---	0.03	0.00	0.01	0.00	0.00	0.71	0.00
30	0.04	0.00	0.00	0.12	---	0.24	0.00	0.00	0.37	0.00	0.03	0.00
31	0.00	---	0.24	0.00	---	0.00	---	0.00	---	0.97	0.03	---
TOTAL	---	6.53	9.39	2.37	7.40	4.43	5.48	7.19	7.71	8.52	5.83	3.16

APALACHICOLA RIVER BASIN
2003 Water Year

02334400 LAKE SIDNEY LANIER NEAR BUFORD, GA

LOCATION.—Lat 34°04'30", long 84°04'20" referenced to North American Datum (NAD) of 1927, Forsyth County, Hydrologic Unit 03130001, at forebay of dam on Chattahoochee River, 2.5 miles upstream from bridge on GA 20, 4.5 miles northwest of Buford, and at mile 348.3.

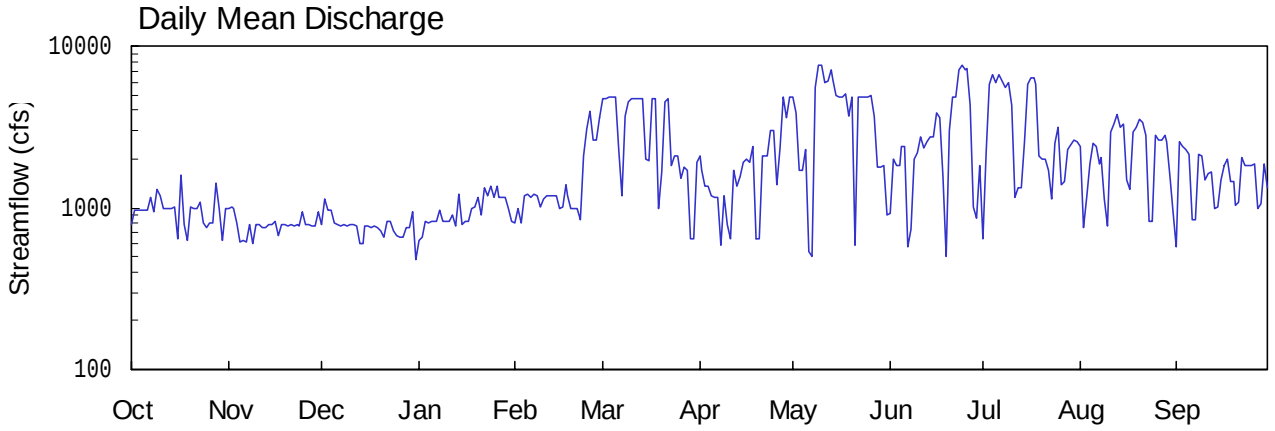
REMARKS.—Water levels are provided by the U.S. Army Corps of Engineers, Mobile District. Please see the following Internet location for more information:

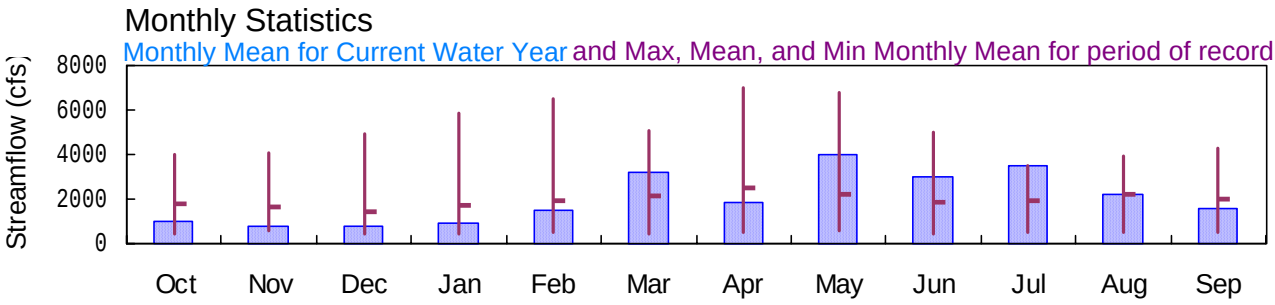
http://water.sam.usace.army.mil/

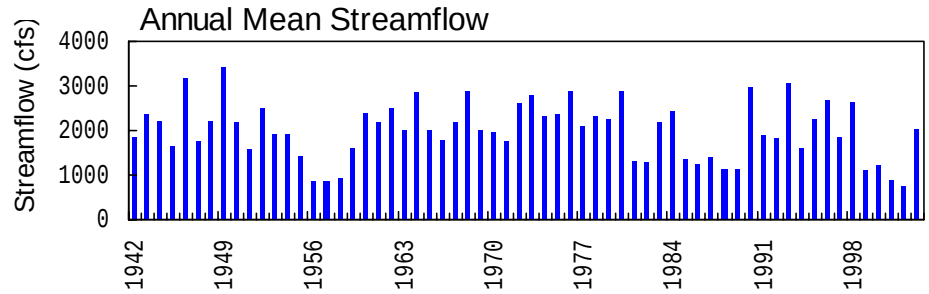
2003 Water Year

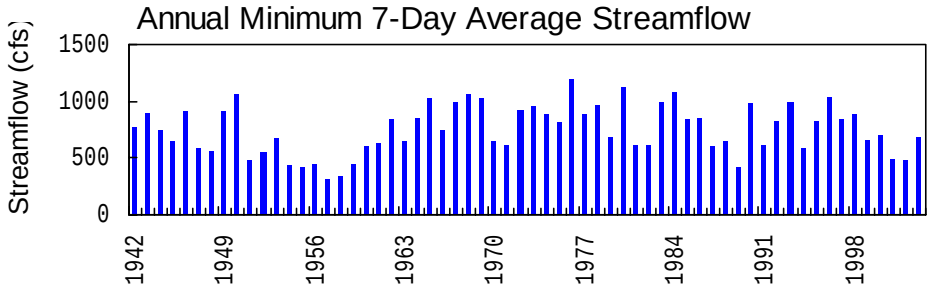
02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA

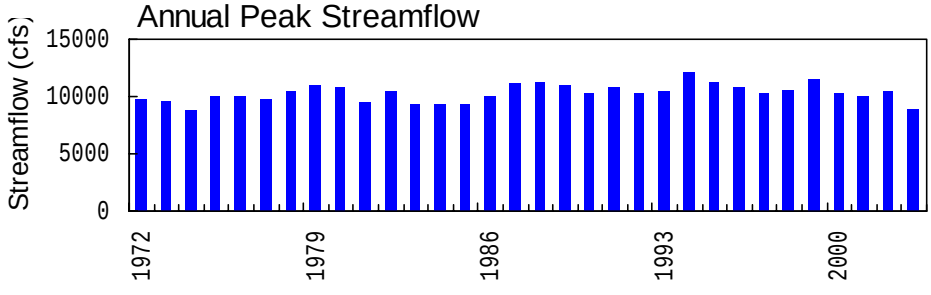
Latitude: 34°09'25" Longitude: 084°04'44" Hydrologic Unit Code: 03130001 Gwinnett County
Drainage Area: 1040. mi^2 Datum: 912.0 feet

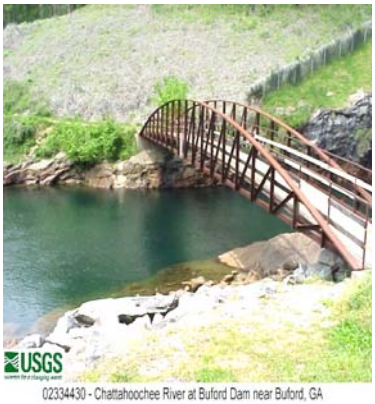












02334430 - Chattahoochee River at Buford Dam near Buford, GA

APALACHICOLA RIVER BASIN
2003 Water Year

02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA

LOCATION.—Lat 34°09'25", long 84°04'44" referenced to North American Datum (NAD) of 1983, Gwinnett-Forsyth County line, Hydrologic Unit 03130001, on right bank 1,200 feet downstream from Buford Dam, 2.4 miles upstream from bridge on GA 20, 4.0 miles northwest of Buford, and at mile 348.1.

DRAINAGE AREA.—1,040 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July to December 1901 (figures of daily discharge for the months of August and December, published in WSP 197, are unreliable and should not be used), October 1941 to current year. Prior to October 1971, published as 02334500, Chattahoochee River "near Buford". Monthly discharge only for July to December 1901, October 1941 to January 1942, published in WSP 1304.

REVISED RECORDS.—WDR GA-79-1: 1972-78 (maximum gage heights only). WDR GA-90-1: 1986-89 (maximum gage heights only). See also PERIOD OF RECORD.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 912.04 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). From June 24 to December 21, 1901, and January 27, 1942, to December 3, 1944, a non-recording gage was installed, and from December 4, 1944, to December 31, 1947, a water-stage recorder was located at site 2.5 miles downstream, and from January 1, 1948, to September 30, 1971, a water-stage recorder was located at site 2.4 miles downstream, all at different datum.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1921, that of Jan. 8, 1946, gage-height of 32.60 feet, from floodmarks, at site and datum then in use; discharge, 55,000 cfs, from rating curve extended above 13,000 cfs, on basis of peak flows passing upstream and downstream of station.

02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA--continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—July to December 1901 (figures of daily discharge for the months of August and December, published in WSP 197, are unreliable and should not be used), October 1941 to current year. Prior to October 1971, published as 02334500, Chattahoochee River "near Buford". Monthly discharge only for July to December 1901, October 1941 to January 1942, published in WSP 1304.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 912.04 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). From June 24 to December 21, 1901, and January 27, 1942, to December 3, 1944, a non-recording gage was installed, and from December 4, 1944, to December 31, 1947, a water-stage recorder was located at site 2.5 miles downstream, and from January 1, 1948, to September 30, 1971, a water-stage recorder was located at site 2.4 miles downstream, all at different datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 4.65 feet, October 8; minimum gage-height recorded, -1.06 feet, July 26.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340925 LONGITUDE 0840444 NAD83 DRAINAGE AREA 1040.00 CONTRIBUTING DRAINAGE AREA 1040* DATUM 912.04 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	782	993	781	635	811	4770	2080	4800	921	637	2410	574
2	964	1000	1130	650	982	4780	1710	3850	2020	2170	754	2590
3	962	1000	958	826	806	4800	1360	1700	1830	5780	1150	2420
4	964	799	957	804	1180	4800	1350	1700	1830	6720	1860	2280
5	962	617	808	816	1220	4800	1170	2300	2370	5930	2500	2160
6	964	623	781	822	1170	2300	1170	533	2370	6710	2390	836
7	1150	610	764	819	1200	1180	1170	501	571	6080	1860	841
8	945	783	788	967	1200	3680	584	5580	739	5560	2050	2120
9	1280	605	763	824	1020	4470	1180	7610	2000	5940	1120	2110
10	1180	785	797	817	1140	4780	782	7590	2180	4340	767	1500
11	996	794	787	821	1200	4760	644	5990	2720	1160	2950	1640
12	993	756	769	904	1190	4770	1720	6110	2360	1320	3330	1650
13	995	758	595	773	1190	4720	1370	7100	2540	1340	3780	1000
14	994	785	594	1220	1190	4770	1540	e6280	2730	2550	3150	1000
15	1020	783	771	786	981	1990	1900	e4970	2720	5760	3320	1470
16	640	821	767	819	1010	1970	2010	e4850	3900	6390	1490	1820
17	1600	666	759	821	1380	4770	1910	e4800	3640	6390	1310	2010
18	792	782	764	997	1190	4710	2390	e5090	1550	5820	2950	1470
19	628	780	761	1010	998	996	647	e3720	505	2090	3180	1470
20	1010	779	725	1170	980	1680	647	4850	2980	1990	3530	1030
21	996	782	651	895	984	4490	2090	581	4870	2010	3390	1090
22	999	779	833	1320	848	4780	2090	4790	4840	1690	2830	2050
23	1070	781	833	1180	2080	1810	2090	4850	7080	1140	821	1840
24	810	773	725	1340	3060	2080	2980	4890	7560	2500	822	1830
25	751	954	667	1160	3970	2080	3010	4880	7180	3130	2790	1830
26	809	782	655	1340	2620	1530	1370	4900	7200	1390	2610	1860
27	815	781	654	1170	2630	1780	2330	3690	4360	1450	2600	992
28	1440	776	757	1150	3600	1710	4810	1780	1010	2300	2790	1070
29	985	778	751	1160	---	636	3570	1780	860	e2460	e2580	1860
30	631	955	948	985	---	640	4820	1810	1840	e2630	e1600	1320
31	999	---	475	817	---	1900	---	909	---	2590	942	---
TOTAL	30126	23660	23768	29818	41830	98932	56494	124784	89276	107967	69626	47733
MEAN	972	789	767	962	1494	3191	1883	4025	2976	3483	2246	1591
MAX	1600	1000	1130	1340	3970	4800	4820	7610	7560	6720	3780	2590
MIN	628	605	475	635	806	636	584	501	505	637	754	574
CFSM	0.93	0.76	0.74	0.92	1.44	3.07	1.81	3.87	2.86	3.35	2.16	1.53
IN.	1.08	0.85	0.85	1.07	1.50	3.54	2.02	4.46	3.19	3.86	2.49	1.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2003, BY WATER YEAR (WY)

MEAN	1799	1663	1448	1735	1898	2124	2484	2198	1882	1912	2197	2014
MAX	3983	4093	4900	5833	6504	5077	6996	6799	4968	3483	3921	4266
(WY)	1992	1975	1993	1993	1996	1990	1964	1964	1973	2003	1971	1967
MIN	427	536	432	431	507	463	481	565	424	532	486	483
(WY)	1958	1958	1958	1958	1957	1959	1959	1958	1957	1957	1957	1957

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1956 - 2003	
ANNUAL TOTAL	280432		744014			
ANNUAL MEAN	768		2038		1946	
HIGHEST ANNUAL MEAN					3089	1993
LOWEST ANNUAL MEAN					757	2002
HIGHEST DAILY MEAN	2140	Sep 12	7610	May 9	9710	May 19 1964
LOWEST DAILY MEAN	460	Feb 8	475	Dec 31	262	May 18 1958
ANNUAL SEVEN-DAY MINIMUM	479	Mar 12	688	Nov 5	309	Jun 11 1957
MAXIMUM PEAK FLOW			8820	Oct 8	55000	Jan 8 1946
MAXIMUM PEAK STAGE			4.65	Oct 8	32.60	Jan 8 1946
ANNUAL RUNOFF (CFSM)	0.74		1.96		1.87	
ANNUAL RUNOFF (INCHES)	10.03		26.61		25.42	
10 PERCENT EXCEEDS	1060		4800		4280	
50 PERCENT EXCEEDS	751		1320		1290	
90 PERCENT EXCEEDS	479		755		541	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340925 LONGITUDE 0840444 NAD83 DRAINAGE AREA 1040.00 CONTRIBUTING DRAINAGE AREA 1040* DATUM 912.04 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-0.39	-0.26	-0.44	-0.62	-0.49	2.54	0.49	2.56	-0.35	-0.54	0.76	-0.61
2	-0.26	-0.26	-0.17	-0.61	-0.35	2.55	0.21	1.84	0.46	0.61	-0.47	0.90
3	-0.26	-0.26	-0.31	-0.47	-0.49	2.56	-0.07	0.23	0.33	3.11	-0.16	0.77
4	-0.26	-0.42	-0.31	-0.49	-0.20	2.56	-0.08	0.23	0.33	3.62	0.36	0.68
5	-0.26	-0.56	-0.40	-0.48	-0.17	2.56	-0.21	0.66	0.73	3.16	0.84	0.59
6	-0.26	-0.55	-0.44	-0.48	-0.21	0.65	-0.22	-0.67	0.73	3.62	0.76	-0.40
7	-0.12	-0.56	-0.46	-0.48	-0.19	-0.20	-0.20	-0.71	-0.62	3.28	0.36	-0.40
8	-0.31	-0.43	-0.39	-0.36	-0.19	1.72	-0.66	2.71	-0.49	3.00	0.50	0.56
9	-0.08	-0.57	-0.46	-0.48	-0.33	2.32	-0.20	4.07	0.45	3.21	-0.19	0.55
10	-0.13	-0.43	-0.41	-0.48	-0.23	2.55	-0.51	4.06	0.59	2.14	-0.46	0.10
11	-0.27	-0.42	-0.43	-0.48	-0.19	2.54	-0.62	3.20	0.99	-0.15	1.17	0.25
12	-0.27	-0.45	-0.45	-0.37	-0.20	2.54	0.22	3.28	0.72	-0.02	1.45	0.26
13	-0.27	-0.45	-0.58	-0.55	-0.19	2.51	-0.06	3.81	0.86	0.00	1.78	-0.20
14	-0.27	-0.43	-0.59	-0.21	-0.20	2.54	0.07	---	1.00	0.88	1.32	-0.20
15	-0.24	-0.44	-0.45	-0.52	-0.36	0.43	0.35	---	0.99	3.10	1.45	0.13
16	-0.53	-0.39	-0.45	-0.48	-0.34	0.39	0.44	---	1.88	3.45	0.08	0.37
17	0.21	-0.52	-0.46	-0.48	-0.05	2.54	0.35	---	1.68	3.45	-0.05	0.53
18	-0.41	-0.44	-0.46	-0.34	-0.20	2.50	0.73	---	0.12	3.14	1.17	0.13
19	-0.54	-0.44	-0.46	-0.32	-0.35	-0.35	-0.61	---	-0.71	0.56	1.33	0.13
20	-0.26	-0.44	-0.51	-0.21	-0.36	0.21	-0.61	2.59	1.19	0.47	1.61	-0.18
21	-0.26	-0.43	-0.60	-0.41	-0.35	2.33	0.50	-0.65	2.61	0.48	1.50	-0.14
22	-0.26	-0.44	-0.45	-0.08	-0.43	2.55	0.50	2.55	2.59	0.25	1.09	0.54
23	-0.19	-0.44	-0.46	-0.20	0.49	0.28	0.49	2.60	3.77	-0.17	-0.39	0.40
24	-0.40	-0.44	-0.52	-0.08	1.24	0.48	1.18	2.62	4.04	0.83	-0.38	0.39
25	-0.44	-0.31	-0.58	-0.21	1.94	0.48	1.20	2.61	3.85	1.35	1.06	0.38
26	-0.40	-0.44	-0.60	-0.08	0.91	0.07	-0.03	2.62	3.86	-0.11	0.93	0.42
27	-0.40	-0.44	-0.60	-0.21	0.91	0.26	0.68	1.71	2.10	-0.05	0.91	-0.17
28	0.09	-0.44	-0.51	-0.23	1.65	0.20	2.57	0.27	-0.32	0.60	1.04	-0.14
29	-0.27	-0.44	-0.52	-0.22	---	-0.63	1.67	0.27	-0.43	---	---	0.43
30	-0.54	-0.31	-0.37	-0.35	---	-0.63	2.58	0.30	0.33	---	---	0.03
31	-0.26	---	-0.75	-0.48	---	0.35	---	-0.37	---	0.90	-0.33	---

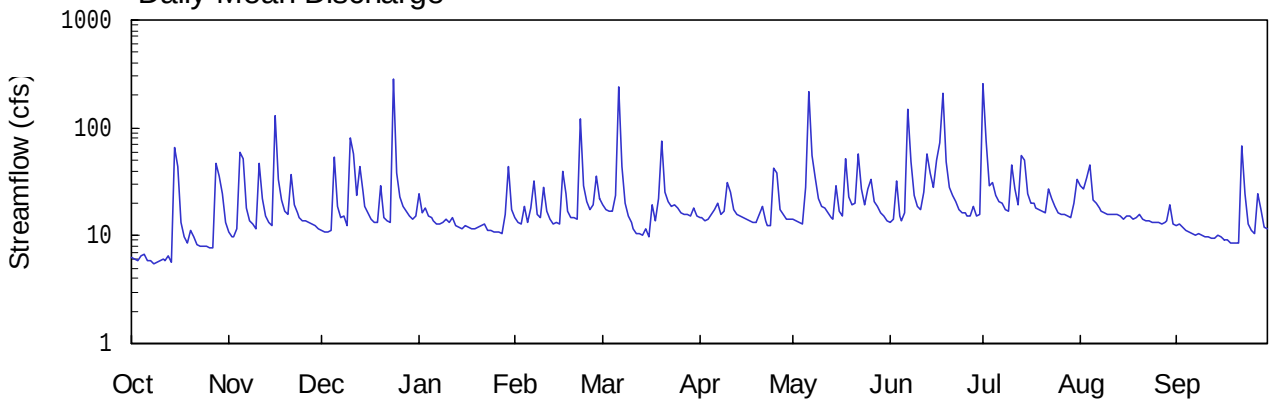
2003 Water Year

02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA

Latitude: 34°07'57" Longitude: 084°04'12" Hydrologic Unit Code: 03130001 Gwinnett County

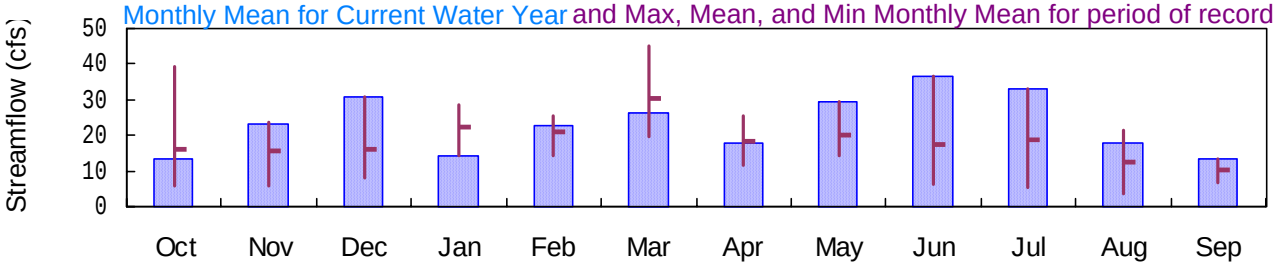
Drainage Area: 9.34 mi^2 Datum: 920.0 feet

Daily Mean Discharge

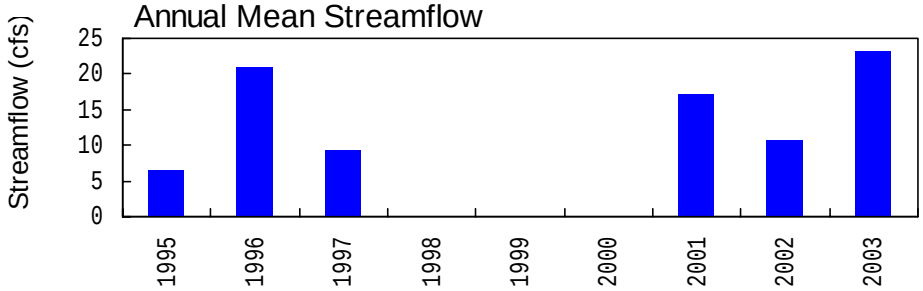


Monthly Statistics

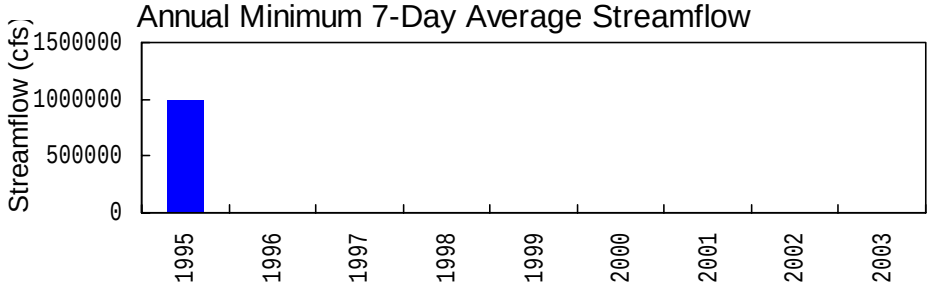
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



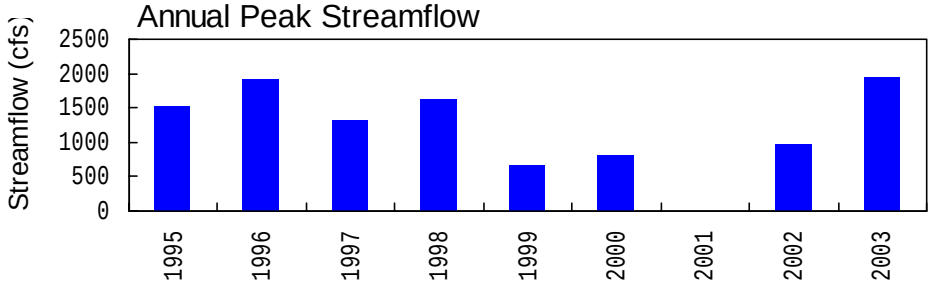
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2003 Water Year

02334480 RICHLAND CREEK ON SUWANEE DAM ROAD, NEAR BUFORD, GA

LOCATION.—Lat 34°07'57", long 84°04'12" referenced to North American Datum (NAD) of 1927, Hydrologic Unit Code 03130001, Gwinnett County, at concrete box culvert on Suwanee Dam Road near Buford, 7.0 miles south of Buford Dam, and 1.25 river miles from the confluence of the Chattahoochee River.

DRAINAGE AREA.—9.34 square miles.

COOPERATION.—Gwinnett County Department of Public Works.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1, 1995 to January 6, 1997 (continuous record); 1998 to May 17, 2001 (non-continuous record); May 17, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 920.00 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 1, 1995 to January 6, 1997, continuous recorder at same site. From 1998 to May 17, 2001, operated as a crest-stage gage at same location.

REMARKS.—Records good, except for periods of estimated discharge and discharges over 2000 cfs, which are fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1, 1995 to January 6, 1997 (continuous record); 1998 to May 17, 2001 (non-continuous record); May 17, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 920.00 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 1, 1995 to January 6, 1997, continuous recorder at same site. From 1998 to May 17, 2001, operated as a crest-stage gage at same location.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 7.52 feet, December 24; minimum gage-height recorded, 0.35 feet, October 8, 9, 14.

02334480 RICHLAND CREEK ON SUWANEE DAM ROAD, NEAR BUFORD, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 17, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34* DATUM 920.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	11	11	25	15	19	15	14	13	257	29	12
2	6.0	9.9	11	17	13	18	14	14	14	75	27	13
3	5.8	9.6	11	18	13	17	14	13	32	29	34	12
4	6.5	12	11	15	19	17	14	13	15	31	45	11
5	6.7	59	54	15	13	24	16	28	14	24	21	11
6	5.9	53	19	14	18	242	17	216	16	21	20	10
7	5.9	18	15	13	32	43	20	56	151	20	18	10
8	5.6	14	15	13	16	20	16	34	49	18	17	11
9	5.6	13	12	13	15	15	17	22	23	17	16	10
10	5.9	12	81	14	28	13	31	19	19	46	16	9.9
11	6.1	46	58	13	17	12	25	18	17	27	16	9.7
12	5.9	22	23	15	14	11	17	16	26	20	16	9.4
13	6.5	15	43	12	13	10	16	15	57	55	16	9.6
14	5.6	13	25	12	13	10	15	14	39	50	15	10
15	66	12	19	12	13	12	15	29	28	24	14	9.8
16	44	131	16	12	39	9.9	14	17	e50	20	15	9.3
17	13	33	14	12	24	19	14	15	e72	20	15	9.2
18	9.9	21	13	11	17	14	13	51	210	18	14	8.6
19	8.7	17	13	11	15	22	13	23	49	17	15	8.7
20	11	16	30	12	15	75	16	19	28	17	16	8.7
21	9.9	37	15	13	14	26	19	20	24	16	14	8.5
22	8.3	19	14	13	120	21	14	57	21	27	14	68
23	8.0	16	13	11	29	19	13	27	18	22	14	24
24	8.0	15	280	11	21	19	13	19	16	19	13	13
25	7.9	14	38	11	18	18	42	27	16	16	13	11
26	7.8	14	23	11	19	16	38	34	15	16	13	11
27	7.7	13	19	11	35	16	18	21	15	16	13	25
28	47	13	17	10	22	16	16	18	19	15	13	17
29	35	12	15	16	---	15	14	16	15	15	14	12
30	25	12	14	43	---	18	14	15	16	20	19	12
31	13	---	15	18	---	15	---	14	---	33	13	---
TOTAL	414.4	702.5	957	447	640	821.9	533	914	1097	1021	548	404.4
MEAN	13.4	23.4	30.9	14.4	22.9	26.5	17.8	29.5	36.6	32.9	17.7	13.5
MAX	66	131	280	43	120	242	42	216	210	257	45	68
MIN	5.6	9.6	11	10	13	9.9	13	13	13	15	13	8.5
CFSM	1.43	2.51	3.31	1.54	2.45	2.84	1.90	3.16	3.92	3.53	1.89	1.44
IN.	1.65	2.80	3.81	1.78	2.55	3.27	2.12	3.64	4.37	4.07	2.18	1.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2003, BY WATER YEAR (WY)

MEAN	16.2	15.6	16.1	22.2	20.9	30.3	18.3	19.9	17.4	18.7	12.6	10.1
MAX	39.3	23.8	30.9	28.5	25.5	45.1	25.5	29.5	36.6	32.9	21.2	13.5
(WY)	1996	1996	2003	1996	1996	1996	1996	2003	2003	2003	2001	2003
MIN	5.88	5.94	7.89	14.4	14.1	19.4	11.6	14.1	6.11	5.25	3.51	6.64
(WY)	2002	2002	2002	2003	2002	2002	2002	1996	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1995 - 2003	
ANNUAL TOTAL	5395.1		8500.2			
ANNUAL MEAN	14.8		23.3		18.4	
HIGHEST ANNUAL MEAN					23.3	2003
LOWEST ANNUAL MEAN					10.8	2002
HIGHEST DAILY MEAN	280	Dec 24	280	Dec 24	514	Oct 5 1995
LOWEST DAILY MEAN	2.3	Aug 13	5.6	Oct 8	2.3	Aug 13 2002
ANNUAL SEVEN-DAY MINIMUM	2.5	Aug 19	5.8	Oct 6	2.5	Aug 19 2002
MAXIMUM PEAK FLOW			1940	Dec 24		
MAXIMUM PEAK STAGE			7.52	Dec 24	8.73	Jul 31 2001
INSTANTANEOUS LOW FLOW			5.4	Oct 8	2.0	Aug 13 2002
ANNUAL RUNOFF (CFSM)	1.58		2.49		1.97	
ANNUAL RUNOFF (INCHES)	21.49		33.86		26.71	
10 PERCENT EXCEEDS	25		40		28	
50 PERCENT EXCEEDS	8.8		16		11	
90 PERCENT EXCEEDS	3.2		9.9		5.5	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34* DATUM 920.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.38	0.50	0.51	0.73	0.57	0.64	0.57	0.56	0.54	2.60	0.76	0.51
2	0.37	0.48	0.50	0.60	0.54	0.62	0.57	0.55	0.56	1.37	0.75	0.52
3	0.37	0.47	0.50	0.62	0.53	0.61	0.56	0.55	0.83	0.80	0.84	0.50
4	0.38	0.52	0.51	0.58	0.63	0.60	0.56	0.53	0.58	0.82	0.99	0.49
5	0.40	1.11	1.09	0.57	0.55	0.69	0.58	0.75	0.55	0.71	0.67	0.47
6	0.37	1.09	0.63	0.55	0.62	2.74	0.61	2.28	0.59	0.67	0.65	0.47
7	0.37	0.63	0.57	0.53	0.83	1.13	0.66	1.16	1.78	0.66	0.62	0.46
8	0.36	0.55	0.58	0.54	0.59	0.90	0.59	0.87	1.06	0.62	0.60	0.47
9	0.36	0.54	0.53	0.54	0.57	0.83	0.60	0.69	0.71	0.61	0.59	0.46
10	0.37	0.51	1.19	0.56	0.78	0.79	0.81	0.63	0.63	0.98	0.58	0.46
11	0.38	1.00	1.16	0.54	0.60	0.76	0.74	0.63	0.61	0.76	0.57	0.46
12	0.37	0.69	0.71	0.57	0.56	0.74	0.62	0.59	0.73	0.65	0.57	0.45
13	0.39	0.58	0.99	0.53	0.54	0.74	0.59	0.57	1.12	0.98	0.57	0.45
14	0.36	0.55	0.74	0.52	0.54	0.73	0.58	0.56	0.93	1.07	0.56	0.46
15	1.06	0.52	0.63	0.51	0.54	0.76	0.57	0.78	0.78	0.73	0.55	0.46
16	0.98	1.94	0.60	0.53	0.93	0.73	0.56	0.60	---	0.66	0.57	0.45
17	0.54	0.86	0.56	0.52	0.73	0.86	0.55	0.58	---	0.64	0.57	0.44
18	0.48	0.67	0.54	0.51	0.61	0.80	0.55	1.08	2.13	0.61	0.55	0.43
19	0.45	0.61	0.55	0.51	0.57	0.91	0.54	0.71	1.07	0.60	0.56	0.43
20	0.50	0.59	0.79	0.52	0.57	1.36	0.58	0.64	0.78	0.59	0.58	0.43
21	0.48	0.91	0.57	0.53	0.56	0.75	0.63	0.65	0.71	0.58	0.55	0.43
22	0.45	0.64	0.56	0.53	1.67	0.67	0.56	1.17	0.67	0.75	0.54	1.10
23	0.44	0.60	0.55	0.50	0.80	0.64	0.53	0.76	0.62	0.68	0.54	0.73
24	0.44	0.57	2.33	0.50	0.67	0.64	0.53	0.65	0.60	0.63	0.53	0.56
25	0.44	0.55	0.92	0.49	0.62	0.62	0.96	0.74	0.59	0.59	0.53	0.52
26	0.43	0.55	0.70	0.49	0.65	0.60	0.91	0.86	0.58	0.58	0.53	0.51
27	0.43	0.55	0.64	0.50	0.89	0.59	0.62	0.67	0.58	0.57	0.52	0.70
28	0.90	0.54	0.61	0.49	0.70	0.59	0.58	0.63	0.64	0.57	0.53	0.63
29	0.88	0.53	0.58	0.58	---	0.58	0.57	0.59	0.57	0.56	0.54	0.54
30	0.73	0.51	0.56	0.99	---	0.63	0.56	0.58	0.59	0.65	0.63	0.53
31	0.55	---	0.58	0.62	---	0.58	---	0.55	---	0.81	0.52	---
MEAN	0.50	0.68	0.73	0.56	0.68	0.80	0.61	0.75	---	0.78	0.60	0.52
MAX	1.06	1.94	2.33	0.99	1.67	2.74	0.96	2.28	---	2.60	0.99	1.10
MIN	0.36	0.47	0.50	0.49	0.53	0.58	0.53	0.53	---	0.56	0.52	0.43

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34* DATUM 920.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.29	0.01	0.02	0.00	0.00	0.00	3.84	0.00	0.00
2	0.00	0.00	0.01	0.24	0.00	0.00	0.00	0.11	0.00	0.06	0.00	0.01
3	0.00	0.23	0.00	0.01	0.00	0.00	0.00	0.00	0.89	0.00	1.41	0.00
4	0.28	0.39	0.49	0.00	0.47	0.02	0.00	0.00	0.02	0.23	0.00	0.11
5	0.01	1.67	1.20	0.00	0.00	1.17	0.22	1.60	0.00	0.12	0.13	0.00
6	0.05	0.02	0.00	0.00	0.76	1.33	0.40	1.85	0.51	0.02	0.10	0.00
7	0.07	0.21	0.01	0.00	0.04	0.00	0.14	0.41	2.57	0.00	0.00	0.00
8	0.00	0.00	0.20	0.00	0.00	0.01	0.07	0.01	0.01	0.00	0.00	0.00
9	0.00	0.02	0.04	0.18	0.41	0.00	0.20	0.00	0.00	0.00	0.00	0.00
10	0.01	0.00	2.08	0.04	0.40	0.00	0.53	0.00	0.00	1.61	0.04	0.02
11	0.05	1.10	0.02	0.00	0.01	0.00	0.00	0.22	0.10	0.16	0.01	0.01
12	0.18	0.19	0.00	0.42	0.00	0.00	0.00	0.00	1.19	0.01	0.00	0.00
13	0.01	0.00	1.25	0.00	0.00	0.00	0.00	0.00	0.96	1.35	0.11	0.04
14	0.01	1.00	0.00	0.00	0.11	0.01	0.24	0.00	---	0.00	0.00	0.00
15	3.13	0.75	0.19	0.00	0.01	0.23	0.00	0.71	---	0.00	0.00	0.02
16	0.06	1.75	0.00	0.52	1.02	0.00	0.00	0.00	---	0.12	0.05	0.00
17	0.00	0.00	0.00	0.20	0.01	0.37	0.04	0.19	---	0.01	0.33	0.00
18	0.00	0.01	0.00	0.04	0.00	0.05	0.01	1.34	---	0.00	0.01	0.00
19	0.00	0.03	0.70	0.00	0.00	0.74	0.00	0.04	0.03	0.00	0.00	0.00
20	0.38	0.44	0.04	0.12	0.00	0.58	0.00	0.06	0.00	0.00	0.05	0.00
21	0.03	0.36	0.00	0.31	0.14	0.00	0.65	0.30	0.01	0.00	0.00	0.03
22	0.00	0.06	0.06	0.02	1.75	0.00	0.00	0.98	0.00	0.74	0.00	3.08
23	0.00	0.04	0.08	0.00	0.01	0.00	0.00	0.00	0.00	0.13	0.00	0.01
24	0.00	0.00	2.41	0.00	0.01	0.00	0.08	0.00	0.00	0.00	0.00	0.00
25	0.05	0.00	0.05	0.00	0.00	0.00	1.72	0.57	0.00	0.00	0.00	0.00
26	0.00	0.00	0.01	0.00	0.38	0.24	0.01	0.14	0.00	0.00	0.00	0.00
27	0.01	0.00	0.00	0.00	0.47	0.01	0.00	0.00	0.00	0.00	0.00	0.56
28	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.05	0.00
29	0.68	0.00	0.00	1.12	---	0.04	0.00	0.01	0.00	0.01	0.39	0.00
30	0.06	0.00	0.00	0.45	---	0.31	0.00	0.48	0.13	0.27	0.01	0.00
31	0.01	---	0.31	0.00	---	0.00	---	0.00	---	0.50	0.00	---
TOTAL	6.05	8.27	9.15	3.96	6.01	5.13	4.31	9.02	---	9.18	2.69	3.89

APALACHICOLA RIVER BASIN
2003 Water Year

02334480 RICHLAND CREEK ON SUWANEE DAM ROAD, NEAR BUFORD, GA

LOCATION.—Lat 34°07'57", long 84°04'12" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit Code 03130001, at concrete box culvert on Suwanee Dam Road near Buford, 7.0 miles south of Buford Dam, and 1.25 river miles from the confluence of the Chattahoochee River.

DRAINAGE AREA.—9.34 square miles.

COOPERATION.—Gwinnett County Department of Public Works.

PERIOD OF RECORD.—May 17, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: May 17, 2001 to current water year.
WATER TEMPERATURE: May 17, 2001 to current water year.
TURBIDITY: May 17, 2001 to current water year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records fair, except turbidity, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.–-
SPECIFIC CONDUCTANCE: Maximum recorded, 128 microsiemens, August 26, 2002; minimum recorded, 21 microsiemens, February 6, 2002.
WATER TEMPERATURE: Maximum recorded, 26.7°C, August 12, 2002; minimum recorded, 0.3°C, January 4, 2002, January 24, 2003.
TURBIDITY: Maximum recorded, >2,200 NTU, on many days; minimum recorded, <5.0 NTU, on many days.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum, 112 microsiemens, January 1; minimum, 28 microsiemens, December 10, December 24, May 6.
WATER TEMPERATURE: Maximum, 23.8°C, August 23; minimum, 0.3°C, January 24.
TURBIDITY: Maximum, >2,200 NTU, on many days; minimum, <5.0 NTU, on several days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34 DATUM 920.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	93	87	90	84	80	82	82	77	80	112	69	75
2	97	89	92	87	82	84	82	77	79	77	75	76
3	94	88	91	84	81	83	82	77	80	78	74	77
4	95	86	91	85	78	82	81	77	79	78	76	77
5	91	83	86	86	47	72	78	47	62	77	76	77
6	90	86	88	72	47	66	76	69	72	78	76	77
7	93	86	89	79	72	76	75	73	74	79	78	78
8	93	87	90	82	79	81	76	62	73	80	77	79
9	93	86	89	83	76	81	78	74	76	79	77	78
10	91	85	88	84	80	83	80	28	70	78	76	77
11	92	87	90	86	52	71	---	---	---	80	72	77
12	92	87	90	82	75	78	---	---	---	80	64	75
13	93	84	88	90	82	86	---	---	---	79	74	78
14	91	85	89	85	81	83	---	---	---	81	77	79
15	93	42	73	86	73	84	---	---	---	95	77	80
16	73	47	66	96	42	57	---	---	---	86	77	80
17	80	73	77	74	65	70	81	78	79	79	77	78
18	92	79	82	79	71	76	83	79	81	80	77	79
19	84	80	82	82	76	80	82	75	80	80	77	78
20	83	69	80	84	79	81	96	62	72	79	76	77
21	84	71	79	94	74	80	77	76	77	78	72	76
22	85	81	83	82	78	80	77	76	77	80	75	77
23	86	81	83	82	79	81	77	76	77	82	77	79
24	85	81	83	82	81	82	77	28	54	84	79	81
25	84	80	82	83	81	82	68	58	64	80	78	79
26	86	82	84	83	79	81	73	68	71	79	77	78
27	85	81	83	82	80	80	76	72	73	82	78	79
28	85	38	73	81	78	80	76	73	74	85	77	79
29	85	50	69	82	78	80	76	74	75	85	66	77
30	79	57	71	81	79	80	77	76	77	79	68	73
31	81	76	79	---	---	---	77	75	76	75	73	74
MONTH	97	38	83	96	42	79	---	---	---	112	64	78

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LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34 DATUM 920.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	74	73	74	76	73	74	81	73	79	91	82	86
2	76	74	75	78	75	76	81	77	79	83	73	78
3	77	75	76	83	75	78	81	78	79	78	72	74
4	104	68	77	84	78	80	81	75	79	79	74	76
5	81	75	79	101	54	80	81	76	79	80	29	67
6	84	71	77	65	25	46	80	61	77	61	28	47
7	81	65	72	71	59	65	79	64	75	60	49	57
8	76	74	75	75	71	73	80	77	78	63	58	60
9	76	68	74	76	74	75	80	77	79	67	63	65
10	88	67	72	78	74	76	93	55	76	69	67	68
11	76	71	74	84	75	78	74	57	70	69	68	69
12	77	70	75	79	76	77	76	73	75	70	68	69
13	79	76	77	78	75	77	77	74	75	72	70	71
14	78	75	77	78	76	77	78	75	76	72	71	72
15	78	76	77	78	76	77	79	75	77	73	61	67
16	97	60	73	79	76	78	85	77	80	76	67	72
17	68	62	66	79	64	75	80	77	78	78	76	77
18	69	67	68	81	72	77	80	77	78	77	50	59
19	68	67	68	100	74	79	80	77	79	74	61	70
20	70	68	69	100	15	57	80	64	76	77	73	75
21	71	68	69	72	68	70	88	70	77	80	70	77
22	91	35	56	75	71	73	85	77	80	79	60	67
23	70	61	67	76	73	75	85	78	80	77	70	74
24	73	69	71	76	67	74	82	78	80	80	77	78
25	75	72	73	76	72	75	80	53	66	80	58	77
26	96	74	77	79	76	77	69	49	59	78	60	71
27	99	72	83	79	76	78	84	69	77	80	77	79
28	75	72	74	80	76	78	91	84	88	81	76	78
29	---	---	---	79	76	78	92	89	90	81	78	80
30	---	---	---	79	74	77	91	89	90	83	79	80
31	---	---	---	84	76	79	---	---	---	84	81	83
MONTH	104	35	73	101	15	74	93	49	78	91	28	72

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34 DATUM 920.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	84	80	82	81	30	54	79	35	71	86	82	84
2	89	76	84	66	39	53	78	39	67	86	76	84
3	88	66	76	74	66	71	82	52	71	86	78	84
4	86	83	84	77	66	73	74	47	63	87	82	85
5	88	83	85	79	72	77	80	74	76	87	82	85
6	87	73	85	82	79	80	82	76	79	89	82	85
7	80	31	63	89	81	84	82	79	81	88	82	85
8	66	42	57	84	81	82	85	81	83	87	83	85
9	75	66	72	85	80	82	86	83	84	87	82	85
10	80	75	77	89	43	71	85	83	84	87	82	85
11	83	79	80	79	63	72	85	83	84	87	82	85
12	90	57	79	80	76	79	85	83	84	87	81	84
13	79	50	65	85	39	76	86	84	85	87	81	84
14	74	60	68	70	40	59	89	83	84	87	82	85
15	79	64	74	77	70	73	86	83	84	87	81	85
16	---	---	---	79	77	78	86	80	84	88	82	85
17	---	---	---	81	77	79	84	78	82	90	84	87
18	---	---	---	82	78	81	84	82	83	87	84	85
19	---	---	---	92	81	83	85	82	83	98	82	87
20	---	---	---	83	81	82	84	79	82	93	83	87
21	---	---	---	84	82	83	85	82	84	91	83	86
22	---	---	---	101	64	77	86	83	84	88	35	72
23	---	---	---	80	74	77	87	83	85	72	47	62
24	85	82	83	81	79	80	86	83	85	79	72	76
25	86	79	83	83	81	82	86	83	85	83	78	81
26	100	81	84	84	81	83	86	82	84	86	80	83
27	86	81	83	84	81	83	86	81	84	90	49	78
28	86	73	81	83	81	82	88	82	84	80	57	72
29	85	82	84	84	82	82	88	73	84	84	77	80
30	85	75	83	84	68	79	85	67	79	87	79	83
31	---	---	---	94	44	74	85	82	84	---	---	---
MONTH	---	---	---	101	30	76	89	35	81	98	35	82

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34 DATUM 920.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.5	19.1	20.2	13.7	11.3	12.6	8.7	5.9	7.0	11.2	10.5	10.8
2	21.7	19.2	20.4	12.7	10.4	11.7	8.2	4.5	6.4	11.5	10.6	11.0
3	21.6	19.0	20.4	13.2	11.5	12.3	9.4	5.8	7.7	10.9	7.2	9.2
4	21.3	19.3	20.4	14.0	12.8	13.3	9.2	6.8	8.2	7.7	5.7	6.7
5	22.6	20.5	21.4	13.4	12.9	13.1	7.9	4.7	6.6	8.9	6.0	7.2
6	21.9	19.3	20.8	13.7	12.1	13.3	8.1	6.3	7.1	7.7	6.0	6.9
7	21.7	20.1	21.0	12.8	10.3	11.6	7.6	4.9	6.2	6.9	4.7	5.8
8	20.1	18.1	19.2	12.8	9.7	11.3	7.7	4.9	6.4	8.7	5.3	6.6
9	18.1	17.0	17.4	14.6	10.9	12.7	8.6	7.0	7.8	10.4	6.8	8.4
10	18.3	17.4	17.8	16.9	14.6	15.7	8.3	7.5	8.0	10.5	7.4	9.5
11	20.1	18.2	19.0	17.2	16.3	16.8	9.4	7.9	8.9	7.4	5.2	6.1
12	20.4	18.2	19.4	16.3	14.2	15.6	10.0	8.8	9.2	5.9	4.2	5.1
13	21.2	18.9	20.1	14.2	11.5	12.8	9.1	8.1	8.8	6.4	4.5	5.3
14	18.9	17.2	18.1	12.5	9.6	11.1	8.8	7.2	8.2	7.3	3.9	5.5
15	17.2	14.8	15.4	12.7	9.1	11.0	8.7	6.2	7.4	6.3	4.4	5.4
16	17.0	15.1	16.1	13.5	12.6	13.0	9.6	6.3	7.9	5.1	3.5	4.4
17	15.4	13.3	14.3	12.7	9.7	11.4	10.0	7.6	8.7	5.7	3.3	4.6
18	14.5	11.7	13.2	11.5	8.3	9.8	9.7	8.4	9.0	3.6	1.2	2.6
19	15.0	12.1	13.7	11.9	9.5	10.7	10.6	8.9	9.6	4.8	2.3	3.5
20	16.5	13.9	15.1	12.2	10.7	11.5	10.8	8.2	10.1	7.0	2.5	4.6
21	17.3	16.2	16.6	13.3	11.6	12.2	8.6	6.1	7.4	10.2	7.0	8.7
22	16.6	15.4	16.1	11.6	8.8	10.5	10.2	6.5	8.2	10.2	8.0	9.4
23	15.7	15.1	15.4	10.1	7.4	8.7	9.4	6.4	8.1	8.0	2.0	5.0
24	16.4	15.2	15.8	11.1	7.5	9.2	9.5	7.6	8.6	3.3	0.3	1.8
25	15.8	15.3	15.4	11.3	7.8	9.5	9.1	6.7	8.1	5.0	1.8	3.3
26	16.5	15.3	15.9	12.1	7.9	10	7.5	5.9	6.6	6.5	4.1	5.0
27	17.5	15.9	16.7	12.0	8.1	10.4	7.3	4.9	6.2	5.3	2.9	4.1
28	18.5	17.3	17.7	8.5	6.2	7.4	7.5	4.9	6.2	6.4	2.2	4.3
29	18.2	16.1	17.5	8.6	5.2	7.0	8.7	5.6	7.0	8.1	6.3	7.2
30	16.9	14.8	16.0	10.5	7.8	8.9	9.0	6.0	7.5	8.6	8.1	8.3
31	14.9	13.1	14.0	---	---	---	10.6	8.1	9.3	9.1	7.7	8.2
MONTH	22.6	11.7	17.4	17.2	5.2	11.5	10.8	4.5	7.8	11.5	0.3	6.3

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34 DATUM 920.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.5	7.1	8.0	10.3	9.5	9.9	15.8	7.7	11.6	19.0	15.4	17.2
2	10.1	5.8	7.8	12.1	9.7	10.6	17.4	10.4	13.7	19.4	15.7	17.4
3	10.5	6.4	8.6	10.8	7.1	9.1	18.3	10.8	14.4	17.6	15.0	16.4
4	11.3	8.4	10.5	11.7	7.5	9.7	18.0	12.6	15.2	18.7	14.6	16.8
5	8.6	5.8	7.3	12.3	10.7	11.5	17.3	14.9	15.8	18.2	16.5	17.2
6	7.4	6.2	6.8	12.3	11.5	11.9	15.4	12.3	14.2	18.3	17.1	17.6
7	7.7	6.0	6.7	14.0	10.7	12.0	14.9	13.6	14.3	18.4	16.8	17.4
8	6.9	4.5	5.7	13.2	10.2	11.6	13.6	11.9	12.6	19.0	16.9	17.9
9	8.6	5.2	6.8	15.8	11.2	13.0	11.9	11.3	11.7	19.8	17.0	18.3
10	8.7	6.6	7.8	14.2	9.3	11.6	11.4	10.3	10.8	20.4	17.4	18.9
11	8.8	4.9	6.7	13.8	8.3	10.9	12.7	8.9	10.9	19.3	16.9	18.3
12	9.5	5.3	7.1	15.1	8.7	11.8	16.8	9.2	12.9	18.4	15.4	16.8
13	9.1	4.8	6.9	16.6	11.4	13.8	17.9	11.0	14.3	18.0	14.0	16.1
14	8.0	6.1	7.1	14.7	12.3	13.1	18.3	11.1	14.7	16.6	14.9	15.9
15	11.0	7.9	9.4	12.3	11.2	11.8	19.1	12.6	15.6	17.5	15.9	16.7
16	10.9	6.2	8.3	15.1	11.6	12.9	18.3	13.0	15.7	18.9	16.5	17.6
17	7.1	6.1	6.5	13.5	12.1	12.8	16.9	14.0	15.6	18.5	17.4	17.9
18	9.0	6.0	7.2	13.8	12.9	13.3	15.9	14.4	15.4	17.6	16.5	17.0
19	9.5	5.5	7.5	14.0	13.5	13.7	16.2	13.5	14.8	16.5	15.4	15.7
20	11.1	8.1	9.4	13.5	12.1	12.6	16.4	14.6	15.2	16.5	15.0	15.7
21	10.3	9.3	9.7	16.8	12.2	14.0	16.5	14.8	15.6	16.7	16.0	16.3
22	12.4	9.2	10.7	14.9	10.7	12.9	17.2	13.1	14.9	17.2	16.6	16.9
23	11.3	8.7	10	15.1	10.0	12.5	16.8	11.2	14.0	18.9	16.3	17.4
24	12.6	7.9	9.9	16.4	9.6	12.9	14.8	11.2	13.3	19.2	16.5	17.8
25	10.7	8.5	9.7	17.0	10.2	13.5	15.7	13.6	14.7	19.0	15.6	17.4
26	9.8	8.1	8.6	17.4	11.8	14.6	17.6	14.3	15.8	19.9	17.7	18.6
27	8.2	7.1	7.6	18.3	13.6	15.5	18.2	13.4	15.8	18.6	15.6	17.2
28	12.1	7.8	9.7	16.6	14.5	15.5	18.5	13.8	16.1	18.7	14.8	16.8
29	---	---	---	16.1	13.0	14.7	18.9	14.1	16.6	18.8	15.5	17.1
30	---	---	---	13.4	9.7	11.8	17.9	15.3	16.7	18.7	14.9	16.8
31	---	---	---	13.4	7.5	10.2	---	---	---	19.8	15.9	17.7
MONTH	12.6	4.5	8.1	18.3	7.1	12.4	19.1	7.7	14.4	20.4	14.0	17.2

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34 DATUM 920.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.3	16.2	17.7	20.4	19.4	19.9	23.0	21.1	22.0	23.6	21.4	22.4
2	18.6	14.7	16.9	20.5	19.6	20.0	23.0	21.5	22.2	22.9	20.8	21.9
3	18.9	16.9	18.0	21.6	18.5	20.0	22.6	21.0	21.8	23.6	21.2	22.3
4	20.6	17.8	19.0	22.4	19.2	20.5	22.5	21.4	21.9	23.3	21.5	22.2
5	19.7	16.3	18.1	20.9	19.6	20.2	23.2	21.1	22.0	22.4	20.2	21.3
6	19.0	16.8	17.9	21.5	19.4	20.4	22.1	20.9	21.5	21.8	20.1	20.9
7	21.6	18.6	19.7	21.8	19.8	20.8	22.4	20.0	21.2	20.2	19.1	19.6
8	20.5	18.9	19.7	22.3	19.7	21.0	22.6	20.7	21.6	20.5	18.0	19.3
9	20.5	17.7	19.1	22.9	19.9	21.4	22.5	19.8	21.3	20.9	17.8	19.3
10	20.6	17.0	18.9	22.6	20.4	21.3	22.0	20.4	21.3	20.8	18.7	19.7
11	21.4	18.5	19.9	22.6	20.6	21.5	21.9	19.7	20.9	20.5	18.0	19.3
12	21.4	19.0	20.1	22.8	20.0	21.4	21.7	19.8	20.9	20.4	17.8	19.0
13	22.1	19.8	20.7	22.6	20.0	21.3	21.9	20.5	21.1	20.2	16.8	18.6
14	21.7	19.7	20.5	21.8	20.7	21.3	23.0	20.3	21.6	20.8	18.0	19.5
15	21.7	19.5	20.6	22.4	20.2	21.3	23.5	21.1	22.2	21.6	19.1	20.3
16	---	---	---	22.0	20.1	21.1	23.0	21.4	22.1	20.7	17.7	19.2
17	---	---	---	22.2	19.9	21.1	22.9	20.8	21.9	20.5	17.8	19.0
18	---	---	---	22.3	20.0	21.2	23.3	20.7	22.0	20.0	16.4	18.2
19	20.8	19.4	20.1	22.8	20.2	21.5	23.3	21.1	22.2	20.2	16.3	18.4
20	21.3	18.7	19.8	23.2	20.5	21.8	23.0	21.6	22.2	20.8	17.3	19.1
21	20.9	16.3	18.7	23.2	20.4	21.7	23.4	21.1	22.2	20.4	17.7	19.2
22	20.2	15.2	18.2	22.3	20.5	21.4	23.3	21.0	22.2	21.7	19.8	20.5
23	20.6	16.1	18.7	22.2	20.6	21.3	23.8	21.2	22.5	20.9	19.0	19.9
24	21.2	17.9	19.5	22.0	18.7	20.4	23.2	20.9	22.1	20.0	17.1	18.7
25	21.8	18.3	20.0	21.9	18.6	20.3	23.2	21.3	22.1	19.9	17.3	18.7
26	21.1	18.6	20.0	22.3	19.8	20.9	23.4	20.6	22.0	20.1	17.4	18.8
27	20.6	18.7	19.7	22.7	19.8	21.2	23.6	21.0	22.2	20.7	17.7	19.3
28	20.4	19.1	19.8	23.2	20.5	21.8	23.6	21.3	22.4	20.2	16.6	18.7
29	21.7	19.1	20.3	23.5	20.9	22.1	23.3	21.0	22.1	16.6	14.1	15.5
30	20.6	19.6	20.1	22.1	20.6	21.3	23.3	21.6	22.4	16.7	13.6	15.2
31	---	---	---	22.9	20.6	21.6	23.7	21.4	22.4	---	---	---
MONTH	---	---	---	23.5	18.5	21.1	23.8	19.7	21.9	23.6	13.6	19.5

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34 DATUM 920.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17	8.9	12	33	18	22	---	---	---	982	25	70
2	21	7.2	9.8	23	12	15	---	---	---	63	16	22
3	15	6.1	8.3	18	9.4	12	---	---	---	72	21	37
4	190	<5.0	7.8	82	16	24	---	---	---	42	15	20
5	105	11	20	>1200	12	71	>1200	40	268	---	---	---
6	47	<5.0	9.0	>1200	86	165	502	51	82	---	---	---
7	18	<5.0	8.6	86	29	47	80	30	37	---	---	---
8	16	<5.0	6.2	33	17	22	427	20	29	---	---	---
9	20	<5.0	8.2	115	13	18	35	16	20	---	---	---
10	18	<5.0	<5.0	65	13	25	>1200	15	19	---	---	---
11	15	<5.0	6.4	>1200	21	172	>1200	89	195	116	8.2	14
12	25	<5.0	7.6	118	30	65	181	41	58	438	6.8	18
13	36	6.4	14	---	---	---	1200	41	205	33	7.5	12
14	19	<5.0	7.0	---	---	---	158	41	72	21	7.1	11
15	>1200	<5.0	203	---	---	---	43	25	30	28	6.3	12
16	1160	83	241	>1200	64	389	26	14	21	33	7.4	13
17	92	29	47	358	42	74	20	9.7	12	30	6.3	12
18	37	18	22	102	25	35	15	8.5	10	28	5.8	9.2
19	23	14	16	37	14	18	81	7.6	9.1	17	6.6	9.2
20	289	11	22	50	13	17	697	30	126	19	7.5	11
21	132	17	36	348	37	124	38	20	26	540	7.2	13
22	21	10	13	---	---	---	35	16	22	214	17	30
23	15	8.2	11	---	---	---	45	13	22	25	11	17
24	19	7.7	9.6	---	---	---	>1200	14	274	26	9.5	15
25	24	8.1	12	---	---	---	195	49	93	19	7.2	12
26	21	8.5	12	17	10	12	108	32	39	18	9.0	13
27	28	8.1	14	18	8.0	12	40	20	26	37	8.7	13
28	>1200	8.4	16	20	9.5	12	27	16	21	23	8.8	13
29	>1200	121	235	---	---	---	20	13	15	593	10	16
30	539	67	153	---	---	---	20	10	13	787	62	189
31	70	26	39	---	---	---	89	14	17	127	26	41
MAX	1200	121	241	---	---	---	---	---	---	---	---	---
MIN	15	5.0	5.0	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34 DATUM 920.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	37	15	19	---	---	---	66	18	22	63	26	38
2	39	12	19	---	---	---	28	15	19	44	27	34
3	54	15	33	---	---	---	40	13	17	47	20	26
4	>1200	36	223	204	16	26	38	14	18	48	19	24
5	74	20	36	826	21	26	79	14	30	>1200	19	28
6	613	13	21	>1200	130	392	>1200	13	20	>1200	272	622
7	663	31	87	225	87	135	509	30	82	749	157	288
8	43	18	23	87	45	59	39	20	27	306	66	100
9	200	11	18	67	32	38	189	24	32	226	49	61
10	572	22	74	181	31	35	>1200	26	98	185	34	46
11	38	17	22	158	25	35	534	43	101	69	32	38
12	156	11	16	36	21	26	49	26	33	80	28	35
13	25	9.7	13	29	19	22	35	20	23	268	23	29
14	35	10	15	73	19	22	29	18	21	176	20	26
15	237	8.9	15	48	22	30	25	16	21	>1200	20	146
16	999	19	265	41	17	22	65	16	20	122	61	91
17	262	36	69	440	22	32	30	14	17	429	42	65
18	94	21	29	159	29	46	20	13	16	>1200	46	376
19	39	13	21	>1200	33	118	27	13	16	330	85	134
20	---	---	---	>1200	98	314	383	13	18	224	59	79
21	---	---	---	139	53	76	>1200	16	61	---	50	66
22	>1200	57	294	168	32	45	92	29	41	>1200	131	408
23	209	51	81	36	25	30	41	26	31	227	57	80
24	310	19	46	232	23	30	74	22	31	63	38	49
25	52	22	28	117	22	32	>1200	28	233	>1200	36	48
26	229	25	38	34	20	25	>1200	77	192	>1200	74	158
27	569	66	123	31	20	24	86	43	53	101	46	67
28	---	---	---	33	21	25	228	35	47	134	36	43
29	---	---	---	43	19	25	168	28	37	80	34	42
30	---	---	---	100	30	46	97	29	39	42	27	34
31	---	---	---	537	17	30	---	---	---	45	24	28
MAX	---	---	---	---	---	---	1200	77	233	---	272	622
MIN	---	---	---	---	---	---	20	13	16	---	19	24

> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340757 LONGITUDE 0840412 NAD27 DRAINAGE AREA 9.34 CONTRIBUTING DRAINAGE AREA 9.34 DATUM 920.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	36	19	24	>1200	164	400	>2200	59	112	27	15	19
2	354	21	31	>1200	111	244	>2200	59	120	84	16	19
3	>1200	30	240	125	60	80	>2200	40	210	155	21	30
4	131	46	63	>1200	44	63	>2200	82	188	43	16	23
5	57	37	43	164	44	54	256	57	85	61	12	18
6	883	32	41	59	33	41	267	42	60	24	13	16
7	>1200	157	385	146	32	48	81	30	38	29	16	21
8	931	131	217	93	27	32	82	27	34	49	18	25
9	155	71	95	35	22	28	34	21	26	43	23	27
10	83	49	62	>2200	23	31	29	19	23	36	17	22
11	241	42	52	330	63	97	28	19	22	36	14	17
12	>1200	34	58	78	38	48	28	15	21	33	13	17
13	>1200	152	479	>2200	38	87	42	17	22	26	12	15
14	---	92	172	2000	101	201	38	15	20	29	11	15
15	559	63	90	376	53	94	28	16	20	50	9.7	14
16	---	---	---	124	39	55	159	14	20	44	12	18
17	---	---	---	108	35	44	166	19	28	339	12	26
18	---	---	---	60	35	42	26	13	18	90	19	33
19	378	80	145	53	27	33	192	14	23	34	<5.0	19
20	90	53	65	53	24	29	105	23	48	46	14	22
21	448	44	56	44	20	25	36	16	23	34	11	14
22	318	128	199	>2200	20	36	29	16	20	>2200	13	33
23	185	62	128	188	48	87	26	15	20	875	110	232
24	107	43	58	51	28	34	22	13	17	114	43	67
25	97	32	55	35	21	24	20	13	16	---	---	---
26	55	27	36	29	18	21	---	---	---	---	---	---
27	49	25	35	27	15	20	---	---	---	>2200	25	36
28	479	29	88	31	15	19	36	11	16	695	52	118
29	139	40	59	111	13	19	401	12	16	101	35	50
30	499	40	124	569	15	49	>2200	36	77	866	24	42
31	---	---	---	>2200	22	34	55	20	23	---	---	---
MAX	---	---	---	2200	164	400	---	---	---	---	---	---
MIN	---	---	---	27	13	19	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

APALACHICOLA RIVER BASIN
2003 Water Year

02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD, GA

LOCATION.—Lat 34°07'57", long 84°04'12" referenced to North American Datum (NAD) of 1927, Hydrologic Unit Code 03130001, Gwinnett County, at concrete box culvert on Suwanee Dam Road near Buford, 7.0 miles south of Buford Dam, and 1.25 river miles from the confluence of the Chattahoochee River.

DRAINAGE AREA.—9.34 square miles.

COOPERATION.—Gwinnett County Department of Public Works.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 16, 1976 to current year.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory and Missouri District Water Quality Laboratory. Field values with analyzing agency code 1028 are median values of cross-section field data at the time of sample collection. Field determinations of discharge, specific conductance, pH, water temperature, air temperature, dissolved oxygen, and turbidity by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Hydro-logic condi-tion	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Sam-pling method, code (82398)	Tur-bidity, NTU (00076)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)
OCT													
11...	1120	--	9	9	81213	.38	6.3	10	7.6	7.2	89	59	3
DEC													
10-10	1715	1725	A	J	81213	.66	20	10	1100	6.7	43	50	1410
16...	1310	--	A	9	81213	.60	16	10	14	6.4	78	48	24
MAR													
24...	1515	--	9	9	81213	.61	17	10	21	7.0	79	56	12
APR													
03...	1020	--	9	9	81213	.56	14	10	9.5	6.7	78	52	11
21-21	1425	1430	A	J	81213	.77	28	10	940	6.5	82	56	1010
25-25	0805	0815	A	J	81213	1.53	87	10	560	6.9	53	36	759
MAY													
15-15	1330	1340	A	J	81213	1.00	44	10	500	7.0	61	43	440
JUN													
12-12	2050	2100	A	J	81213	1.50	79	10	6500	7.1	71	48	6900
JUL													
10...	0900	--	9	9	81213	.61	17	10	22	6.9	81	57	17
22-22	1355	1405	A	J	81213	.80	29	10	320	7.1	70	49	324
AUG													
21...	0900	--	9	9	81213	.55	14	10	15	6.8	86	68	11

02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD, GA —continued.

Date	Residue volatile, suspended, mg/L (00535)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sampler type, code (84164)
OCT													
11...	<1	<.20	.033	.75	.760	.03	.03	--	1.4	146	--	19	3044
DEC													
10-10	160	2.1	.130	.35	.480	<.02	.68	2.6	2.4	4470	50	2280	3052
16...	6	<.20	.059	.54	.550	<.02	.02	--	1.3	E23k	--	17	3044
MAR													
24...	1	<.20	.045	.66	.700	<.02	<.02	--	1.4	43	--	32	3044
APR													
03...	2	<.20	.034	.61	.630	<.02	.02	--	1.1	58	--	22	3044
21-21	124	1.3	.048	.56	.570	<.02	.51	1.9	1.8	--	43	2430	3044
25-25	100	1.8	.191	.45	.450	<.02	.64	2.2	3.1	5200	30	2390	3044
MAY													
15-15	63	1.2	.100	.47	.480	<.02	.33	1.7	3.3	10400	75	526	3044
JUN													
12-12	767	4.3	.098	.42	.410	<.02	3.00	4.7	2.7	58000	92	6380	3044
JUL													
10...	2	<.20	.055	.58	.570	<.02	<.02	--	1.3	225	--	32	3044
22-22	51	.90	A.063	.63	.650	<.02	.26	1.6	2.5	4900	68	424	3044
AUG													
21...	4	<.20	A.030	.59	.590	<.02	.03	--	1.5	240	--	39	3044

Date	Time	Ending time	Hydrologic condition	Hydrologic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT													
11...	1140	--	A	9	1028	.38	6.3	40	8.0	9.0	99	7.0	88
DEC													
10-10	1725	1730	A	J	1028	.67	21	40	>1100	10.9	92	6.5	57
16...	1320	--	A	9	1028	.60	16	40	19	11.3	99	6.4	77
MAR													
24...	1530	--	A	9	1028	.62	18	10	44	9.3	98	6.8	78
APR													
03...	1015	--	A	9	--	.55	14	10	12	10.2	99	6.4	78
21-21	1430	1435	A	J	1028	.77	27	40	>1300	8.8	90	6.4	81
25-25	0815	0820	A	J	1028	1.52	86	40	940	9.3	90	6.9	53
MAY													
15-15	1340	1350	A	J	1028	.98	42	40	630	8.5	90	6.8	60
JUN													
12-12	2101	2103	A	J	1028	1.54	88	10	>1100	7.8	91	7.0	73
JUL													
10...	0855	--	9	9	1028	.61	17	40	29	9.0	103	6.8	78
22-22	1405	1410	A	J	1028	.85	33	40	370	7.9	92	6.8	70
AUG													
21...	0915	--	9	9	1028	.55	14	40	60	8.5	98	6.7	85

02334480 RICHLAND CREEK AT SUWANEE DAM ROAD, NEAR BUFORD, GA —continued.

Date	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sampler type, code (84164)
OCT					
11...	22.0	18.7	--	5	--
DEC					
10-10	5.5	7.8	50	3190	3002
16...	20.0	8.5	--	11	3001
MAR					
24...	18.0	16.3	--	85	3001
APR					
03...	--	12.7	--	12	3001
21-21	--	16.3	92	1030	3001
25-25	--	14.1	67	1050	3001
MAY					
15-15	--	17.1	78	527	3001
JUN					
12-12	--	21.4	84	6550	--
JUL					
10...	27.5	20.6	--	17	3001
22-22	--	21.5	72	392	3001
AUG					
21...	--	21.5	--	43	3001

Remark codes used in this report:
< -- Less than
> -- Greater than
A -- Average value
E -- Estimated value
S -- Most probable value

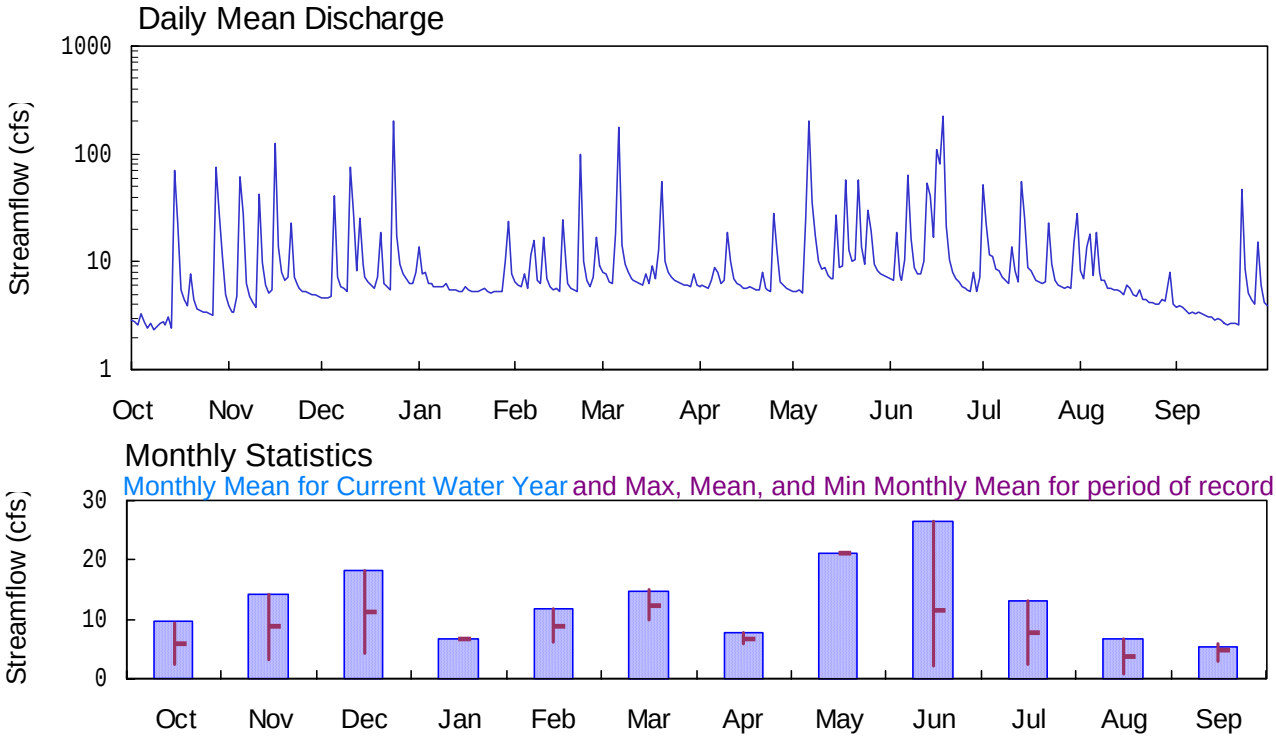
Value qualifier codes used in this report:
a -- Value was extrapolated above
f -- Sample field preparation problem
k -- Counts outside acceptable range
l -- Sample lab preparation problem
q -- Insufficient sample received

2003 Water Year

02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA

Latitude: 34°05'47" Longitude: 084°04'47" Hydrologic Unit Code: 03130001 Gwinnett County

Drainage Area: 5.04 mi^2 Datum: 985 feet



APALACHICOLA RIVER BASIN
2003 Water Year

02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA

LOCATION.—Lat 34°05'47", long 84°04'43" referenced to North American Datum (NAD) of 1927, Hydrologic Unit Code 03130001, Gwinnett County, 20.0 feet upstream of the culvert on Suwanee Dam Road, 2.4 miles upstream from the confluence with the Chattahoochee River.

DRAINAGE AREA.—5.04 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 10, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 985.00 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good, except periods of estimated discharge, which are fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 10, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 985.00 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.07 feet, June 18; minimum gage-height recorded, 3.45 feet, October 6.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 10, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04* CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	3.9	4.7	14	6.4	8.0	5.9	5.2	6.9	e53	8.4	3.8
2	2.8	3.4	4.7	7.7	6.0	7.6	6.0	5.2	6.7	e22	7.0	3.8
3	2.6	3.4	4.6	8.0	5.8	6.6	5.9	5.4	19	11	14	3.8
4	3.3	4.7	4.8	6.4	7.6	6.3	5.7	5.1	7.4	11	18	3.6
5	2.8	62	41	6.2	5.6	19	6.7	25	6.7	8.6	7.5	3.3
6	2.4	28	7.1	5.9	12	174	9.0	201	10	8.2	18	3.4
7	2.7	6.4	6.0	5.8	16	14	7.9	35	e64	7.2	7.9	3.3
8	2.4	4.8	5.6	5.8	6.7	9.3	6.3	17	16	6.6	6.7	3.4
9	2.5	4.2	5.3	5.8	6.2	7.8	6.8	10	9.0	6.2	6.6	3.3
10	2.7	3.7	75	6.3	17	7.0	19	8.6	7.6	14	5.7	3.2
11	2.8	42	28	5.6	6.9	6.7	10	8.8	7.6	8.3	5.6	3.1
12	2.6	9.7	8.2	5.5	5.8	6.4	7.0	7.5	e10	6.6	5.4	3.0
13	3.1	6.0	25	5.5	5.5	6.3	6.4	6.9	54	56	5.4	2.8
14	2.4	5.1	9.6	5.4	5.6	6.2	6.1	6.9	41	25	5.2	2.9
15	70	5.5	7.1	5.3	5.4	7.6	5.8	27	17	8.9	5.0	2.9
16	22	125	6.4	5.9	25	6.3	5.7	8.9	109	8.1	6.0	2.7
17	5.5	14	6.0	5.6	9.4	9.2	5.8	9.0	80	7.2	5.7	2.6
18	4.5	8.0	5.7	5.3	6.3	7.1	5.7	57	e224	6.7	5.0	2.7
19	3.9	6.8	7.2	5.3	5.7	13	5.5	13	22	6.5	4.8	2.7
20	7.8	7.1	19	5.3	5.4	56	5.6	10	11	6.2	5.4	2.7
21	4.4	23	6.4	5.4	5.4	10	8.0	10	8.0	6.5	4.5	2.5
22	3.7	7.3	5.9	5.7	100	8.0	5.7	57	7.0	23	4.4	46
23	3.5	6.1	5.5	5.2	9.9	7.3	5.4	14	6.4	9.4	4.2	8.6
24	3.3	5.6	200	5.1	6.7	6.7	5.3	9.6	5.9	6.6	4.1	5.1
25	3.4	5.4	17	5.3	5.9	6.5	28	30	5.6	6.0	4.0	4.5
26	3.3	5.3	9.4	5.3	7.2	6.3	13	20	5.4	5.8	4.1	4.1
27	3.2	5.1	7.7	5.3	17	6.0	6.5	9.6	5.3	5.6	4.4	15
28	74	5.0	7.0	5.3	9.2	6.0	6.0	8.3	8.1	5.9	4.3	6.1
29	28	5.0	6.4	10	---	5.9	5.6	7.7	5.3	5.7	5.3	4.1
30	11	4.8	6.2	23	---	7.8	5.4	7.4	7.2	15	8.0	3.9
31	5.0	---	8.1	7.6	---	6.0	---	7.2	---	28	4.1	---
TOTAL	294.5	426.3	560.6	209.8	331.6	460.9	231.7	653.3	793.1	404.8	204.7	162.9
MEAN	9.50	14.2	18.1	6.77	11.8	14.9	7.72	21.1	26.4	13.1	6.60	5.43
MAX	74	125	200	23	100	174	28	201	224	56	18	46
MIN	2.4	3.4	4.6	5.1	5.4	5.9	5.3	5.1	5.3	5.6	4.0	2.5
AC-FT	584	846	1110	416	658	914	460	1300	1570	803	406	323
CFSM	1.88	2.82	3.59	1.34	2.35	2.95	1.53	4.18	5.25	2.59	1.31	1.08
IN.	2.17	3.15	4.14	1.55	2.45	3.40	1.71	4.82	5.85	2.99	1.51	1.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	6.00	8.72	11.2	6.77	8.96	12.4	6.75	21.1	11.5	7.75	3.75	4.79
MAX	9.50	14.2	18.1	6.77	11.8	14.9	7.72	21.1	26.4	13.1	6.60	5.94
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2002
MIN	2.51	3.23	4.34	6.77	6.08	9.93	5.78	21.1	2.25	2.44	0.89	3.01
(WY)	2002	2002	2002	2003	2002	2002	2002	2003	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	4734.2			
ANNUAL MEAN	13.0		13.0	
HIGHEST ANNUAL MEAN			13.0	2003
LOWEST ANNUAL MEAN			13.0	2003
HIGHEST DAILY MEAN	224	Jun 18	224	Jun 18 2003
LOWEST DAILY MEAN	2.4	Oct 6	0.21	Aug 24 2002
ANNUAL SEVEN-DAY MINIMUM	2.6	Oct 6	0.31	Aug 19 2002
MAXIMUM PEAK FLOW	1220	Jun 18		
MAXIMUM PEAK STAGE	11.07	Jun 18	12.16	Jul 25 2001
INSTANTANEOUS LOW FLOW	2.1	Oct 6	0.12	Aug 21 2002
ANNUAL RUNOFF (AC-FT)	9390		9400	
ANNUAL RUNOFF (CFSM)	2.57		2.57	
ANNUAL RUNOFF (INCHES)	34.94		34.97	
10 PERCENT EXCEEDS	23		23	
50 PERCENT EXCEEDS	6.3		6.3	
90 PERCENT EXCEEDS	3.4		3.4	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04* CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.48	3.52	3.54	3.75	3.60	3.64	3.58	3.56	3.57	---	3.64	3.52
2	3.47	3.50	3.54	3.63	3.58	3.64	3.58	3.56	3.57	---	3.61	3.52
3	3.47	3.50	3.54	3.64	3.58	3.63	3.58	3.56	3.78	3.71	3.70	3.52
4	3.49	3.54	3.54	3.60	3.63	3.59	3.58	3.55	3.59	3.70	3.77	3.52
5	3.47	4.27	4.08	3.59	3.57	3.74	3.60	3.81	3.57	3.65	3.62	3.51
6	3.46	3.94	3.62	3.58	3.68	5.35	3.64	5.28	3.63	3.64	3.78	3.51
7	3.47	3.59	3.58	3.58	3.78	3.77	3.64	4.02	4.24	3.61	3.63	3.51
8	3.46	3.55	3.57	3.58	3.61	3.68	3.59	3.78	3.76	3.60	3.60	3.51
9	3.46	3.52	3.56	3.58	3.59	3.64	3.61	3.65	3.62	3.59	3.60	3.51
10	3.47	3.51	4.33	3.59	3.80	3.62	3.83	3.62	3.59	3.73	3.57	3.51
11	3.47	4.08	3.96	3.57	3.61	3.60	3.69	3.62	3.59	3.64	3.57	3.51
12	3.47	3.68	3.65	3.57	3.58	3.60	3.62	3.59	---	3.60	3.57	3.50
13	3.48	3.58	3.92	3.57	3.57	3.59	3.60	3.57	4.13	4.05	3.57	3.50
14	3.46	3.55	3.68	3.56	3.57	3.59	3.58	3.58	4.01	3.89	3.56	3.50
15	4.34	3.56	3.62	3.56	3.56	3.63	3.58	3.85	3.77	3.65	3.55	3.50
16	3.87	5.01	3.60	3.58	3.92	3.59	3.58	3.62	4.61	3.63	3.58	3.50
17	3.57	3.76	3.58	3.57	3.67	3.66	3.58	3.62	4.46	3.61	3.57	3.49
18	3.53	3.64	3.58	3.56	3.59	3.62	3.58	4.20	---	3.60	3.55	3.50
19	3.52	3.61	3.60	3.56	3.57	3.73	3.57	3.71	3.87	3.59	3.55	3.50
20	3.60	3.61	3.81	3.56	3.56	4.29	3.57	3.65	3.69	3.59	3.56	3.50
21	3.53	3.90	3.60	3.56	3.56	3.70	3.63	3.65	3.63	3.59	3.54	3.49
22	3.51	3.62	3.58	3.57	4.62	3.64	3.57	4.22	3.61	3.81	3.54	4.01
23	3.50	3.59	3.57	3.56	3.69	3.62	3.56	3.72	3.59	3.66	3.53	3.64
24	3.49	3.57	5.28	3.55	3.61	3.61	3.56	3.64	3.58	3.60	3.53	3.56
25	3.50	3.56	3.82	3.56	3.58	3.60	3.94	3.85	3.57	3.58	3.53	3.54
26	3.49	3.56	3.68	3.56	3.61	3.59	3.73	3.80	3.56	3.58	3.53	3.53
27	3.49	3.55	3.64	3.56	3.81	3.59	3.60	3.64	3.56	3.57	3.54	3.69
28	4.24	3.55	3.61	3.56	3.67	3.58	3.58	3.61	3.62	3.58	3.54	3.58
29	3.98	3.55	3.60	3.66	---	3.58	3.57	3.59	3.56	3.57	3.55	3.53
30	3.71	3.54	3.59	3.90	---	3.63	3.56	3.59	3.60	3.72	3.61	3.53
31	3.55	---	3.63	3.63	---	3.59	---	3.58	---	3.85	3.53	---
MEAN	3.58	3.68	3.73	3.60	3.67	3.71	3.62	3.75	---	---	3.58	3.54
MAX	4.34	5.01	5.28	3.90	4.62	5.35	3.94	5.28	---	---	3.78	4.01
MIN	3.46	3.50	3.54	3.55	3.56	3.58	3.56	3.55	---	---	3.53	3.49

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04* CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.31	0.00	0.01	0.00	0.00	0.00	---	0.04	0.00
2	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.10	0.00	---	0.00	0.00
3	0.00	0.23	0.00	0.01	0.00	0.00	0.00	0.01	0.79	0.00	0.81	0.00
4	0.12	0.14	0.29	0.00	0.31	0.02	0.00	0.00	0.00	0.01	0.01	0.00
5	0.00	1.84	1.04	0.00	0.00	1.26	0.25	1.88	0.00	0.25	0.23	0.00
6	0.07	0.01	0.00	0.00	0.73	1.61	0.38	2.12	0.58	0.04	0.59	0.00
7	0.10	0.00	0.00	0.00	0.04	0.00	0.11	0.44	1.50	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.01	0.01	0.00	0.00	0.00
9	0.00	0.01	0.00	0.18	0.12	0.00	0.11	0.00	0.00	0.00	0.00	0.00
10	0.01	0.00	1.77	0.08	0.44	0.00	0.62	0.00	0.00	0.53	0.00	0.00
11	0.03	1.28	0.02	0.00	0.00	0.00	0.00	0.24	---	0.04	0.01	0.00
12	0.16	0.24	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.01	0.00
13	0.01	0.00	0.77	0.00	0.00	0.00	0.00	0.00	1.32	1.22	0.01	0.00
14	0.02	0.00	0.00	0.00	0.07	0.00	0.00	0.00	1.07	0.01	0.00	0.00
15	2.84	0.75	0.00	0.00	0.00	0.29	0.00	0.99	0.00	0.00	0.00	0.03
16	0.10	1.68	0.00	0.15	0.97	0.00	0.00	0.00	2.51	0.05	0.70	0.00
17	0.00	0.00	0.00	0.00	0.01	0.36	0.06	0.34	0.37	0.01	0.13	0.00
18	0.00	0.00	0.00	0.00	0.00	0.04	0.00	1.38	1.72	0.00	0.00	0.00
19	0.00	0.05	0.75	0.00	0.00	0.70	0.00	0.02	0.02	0.00	0.00	0.00
20	0.55	0.50	0.19	0.00	0.00	0.57	0.00	0.05	0.00	0.00	0.01	0.00
21	0.01	0.38	0.00	0.14	0.13	0.00	0.42	0.35	0.00	0.01	0.00	0.09
22	0.00	0.00	0.06	0.15	1.64	0.00	0.01	1.03	0.00	0.98	0.00	2.52
23	0.00	0.00	0.10	0.00	0.01	0.00	0.00	0.00	0.02	0.19	0.00	0.01
24	0.00	0.00	2.34	0.00	0.01	0.00	0.07	0.00	0.00	0.01	0.00	0.00
25	0.06	0.00	0.05	0.00	0.00	0.00	1.43	1.16	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.04	0.02	0.16	0.00	0.00
27	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.64
28	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.00	0.03	0.00
29	0.56	0.00	0.00	1.02	---	0.05	0.00	0.01	0.00	0.00	0.17	0.00
30	0.01	0.00	0.00	0.47	---	0.35	0.00	0.00	0.18	0.77	0.00	0.00
31	0.00	---	0.38	0.00	---	0.00	---	0.00	---	0.45	0.00	---
TOTAL	6.15	7.11	7.76	2.78	5.23	5.26	3.51	10.17	---	---	2.75	3.29

APALACHICOLA RIVER BASIN
2003 Water Year

02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA

LOCATION.—Lat 34°05'47", long 84°04'43" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit Code 03130001, 20.0 feet upstream of the culvert on Suwanee Dam Road, 2.4 miles upstream from the confluence with the Chattahoochee River.

DRAINAGE AREA.—5.04 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIOD OF RECORD.—May 10, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: May 10, 2001 to current year.
WATER TEMPERATURE: May 10, 2001 to current year.
TURBIDITY:– May 10, 2001 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good, except for turbidity records, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 111 microsiemens, September 11, 2003; minimum recorded, 17 microsiemens, June 18, 2003.
WATER TEMPERATURE: Maximum recorded, 25.0°C, July 30, September 21, 2002; minimum recorded, 0.6°C, January 24, 2003.
TURBIDITY: Maximum recorded, >2,200 NTU, on many days; minimum recorded, 3.2 NTU, May 11, 2001.

EXTREMES FOR CURRENT YEAR:
SPECIFIC CONDUCTANCE: Maximum, 111 microsiemens, September 22; minimum, 17 microsiemens, June 18.
WATER TEMPERATURE: Maximum, 23.7°C, July 31; minimum, 0.6°C, January 24.
TURBIDITY: Maximum, >2,200 NTU, on several days; minimum, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04 CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	85	80	81	77	75	77	74	74	74	66	54	60
2	93	81	83	77	77	77	75	74	74	69	64	67
3	81	81	81	78	77	78	74	73	73	69	67	68
4	84	72	80	77	74	76	74	73	73	71	69	70
5	79	74	78	77	37	63	75	34	48	71	70	70
6	80	79	79	72	42	63	57	53	56	71	70	71
7	81	79	80	77	72	75	58	56	58	71	71	71
8	80	79	80	79	77	78	62	58	60	71	71	71
9	79	79	79	82	79	81	62	61	61	71	70	70
10	79	78	79	83	82	82	63	19	54	71	69	70
11	80	78	79	83	45	60	60	36	52	71	71	71
12	80	79	80	73	63	69	66	60	64	71	71	71
13	80	75	78	77	73	75	66	44	55	71	70	71
14	83	78	79	78	77	77	68	60	65	71	70	70
15	83	31	64	78	55	77	70	68	69	71	70	71
16	70	39	59	58	27	46	71	70	70	71	69	71
17	74	69	72	68	58	64	71	70	71	70	68	70
18	78	74	76	70	67	69	71	71	71	72	70	71
19	79	77	78	72	70	71	71	57	70	70	70	70
20	78	54	72	75	66	73	66	42	56	70	69	70
21	74	64	70	67	55	60	70	66	68	69	69	69
22	77	74	76	72	65	69	70	70	70	69	68	69
23	78	77	77	73	71	72	71	70	71	70	69	70
24	78	77	78	75	73	74	70	17	44	72	70	71
25	78	77	78	76	73	74	58	50	55	71	69	70
26	78	77	77	76	75	75	63	58	60	70	69	69
27	78	77	78	75	75	75	66	63	65	70	69	69
28	78	24	64	75	75	75	67	66	67	70	69	70
29	56	43	51	75	74	74	68	67	67	69	58	67
30	67	53	62	74	74	74	71	67	69	63	52	58
31	75	67	72	---	---	---	71	66	68	67	63	66
MONTH	93	24	75	83	27	72	75	17	64	72	52	69

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04 CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	67	66	66	69	68	69	72	71	71	77	73	74
2	67	67	67	70	69	69	89	70	76	74	73	73
3	70	67	69	70	69	70	82	72	75	101	74	76
4	70	62	66	70	69	69	73	71	72	74	73	74
5	71	68	69	70	32	67	73	68	71	76	35	67
6	71	51	68	48	24	36	73	50	69	---	---	---
7	65	49	58	62	48	55	69	58	66	58	47	54
8	68	65	66	64	62	63	72	69	70	63	56	60
9	68	67	67	67	64	66	71	69	71	65	61	63
10	67	48	57	68	67	68	71	43	64	67	65	66
11	68	64	67	69	68	68	67	50	62	69	67	69
12	71	68	69	69	69	69	69	67	68	72	69	70
13	70	69	70	70	69	69	70	69	70	72	71	72
14	71	68	70	70	69	70	74	65	70	73	72	72
15	72	69	70	71	67	69	82	72	73	72	39	59
16	70	46	56	69	69	69	79	72	73	70	62	67
17	67	54	62	70	63	67	83	71	73	72	69	71
18	68	67	68	70	66	68	73	72	73	72	30	49
19	69	68	69	70	58	67	72	71	72	60	54	58
20	69	69	69	60	36	51	72	72	72	62	60	61
21	69	69	69	66	60	63	85	67	73	63	62	63
22	69	24	46	67	66	67	76	74	75	63	36	49
23	60	48	55	68	67	68	76	75	75	61	56	59
24	67	60	63	69	68	68	75	74	74	63	61	62
25	67	67	67	69	68	69	74	42	57	64	35	60
26	68	64	67	70	69	70	69	51	62	61	46	57
27	66	55	60	71	70	70	71	69	70	63	61	62
28	68	61	66	71	70	71	73	71	72	64	63	64
29	---	---	---	72	71	71	73	72	72	65	64	65
30	---	---	---	73	68	70	77	72	74	66	65	65
31	---	---	---	79	70	74	---	---	---	66	65	65
MONTH	72	24	65	79	24	66	89	42	70	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04 CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	66	65	65	---	---	---	70	53	64	75	73	74
2	66	65	65	---	---	---	71	64	70	79	72	75
3	65	51	57	63	55	60	74	40	66	77	73	75
4	64	60	62	66	62	64	69	40	60	74	74	74
5	65	64	65	68	63	66	72	67	71	75	73	74
6	65	56	64	69	68	68	72	47	64	75	74	74
7	59	30	51	70	68	69	72	62	69	74	73	74
8	67	44	59	71	70	70	74	72	73	75	73	74
9	70	67	69	72	71	71	76	66	73	75	74	74
10	72	70	71	74	56	66	77	71	73	74	73	74
11	---	---	---	69	59	66	76	73	75	74	73	74
12	---	---	---	72	69	71	77	76	76	74	72	73
13	65	32	54	72	30	67	77	77	77	74	73	74
14	68	26	58	64	35	54	78	77	78	74	73	73
15	66	47	59	69	64	67	78	77	77	75	73	74
16	69	26	54	76	68	70	79	74	77	75	73	73
17	62	34	52	72	70	71	78	75	78	75	73	74
18	64	17	45	72	71	72	77	72	75	75	73	74
19	61	48	55	73	72	72	77	73	74	76	73	74
20	65	58	61	73	71	72	76	72	74	76	73	75
21	65	63	64	72	70	72	74	72	73	77	74	75
22	65	65	65	73	43	63	78	72	73	111	32	67
23	69	65	67	71	58	66	74	72	73	68	49	61
24	81	69	71	76	71	74	73	72	73	94	68	73
25	71	70	70	79	76	78	74	73	73	---	---	---
26	70	70	70	80	79	80	74	72	73	---	---	---
27	72	70	70	86	80	81	75	71	73	77	48	70
28	71	62	67	82	78	80	75	71	73	71	54	65
29	70	67	69	80	78	79	75	62	74	75	71	73
30	72	60	70	80	61	72	69	55	66	75	75	75
31	---	---	---	77	35	66	74	69	72	---	---	---
MONTH	---	---	---	---	---	---	79	40	72	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04 CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.5	19.4	20.3	14.0	11.9	13.0	8.8	6.3	7.2	11.4	10.5	11.0
2	21.5	19.5	20.5	12.9	11.1	12.2	8.4	5.2	6.9	11.7	10.8	11.2
3	21.6	19.4	20.5	13.2	11.8	12.5	9.6	6.4	8.1	11.0	7.2	9.2
4	21.6	19.8	20.6	14.1	12.9	13.4	9.4	6.9	8.3	7.8	6.0	7.0
5	22.6	20.6	21.4	13.6	12.7	13.2	8.0	4.3	6.5	9.0	6.4	7.6
6	21.8	19.6	20.8	13.9	12.3	13.3	8.3	6.7	7.4	8.1	6.7	7.4
7	21.5	20.1	20.8	13.1	11.0	12.1	7.9	5.4	6.7	7.1	5.3	6.3
8	20.1	18.0	19.2	13.2	10.4	11.9	8.3	5.5	6.9	8.5	5.7	7.0
9	18.0	17.1	17.4	14.9	11.6	13.2	8.9	7.5	8.1	10.6	7.5	9.0
10	18.3	17.5	17.9	17.2	14.9	16.0	8.6	7.3	8.0	10.7	7.7	9.7
11	20.1	18.3	19.0	17.4	16.4	16.8	9.4	7.8	8.8	7.7	5.6	6.4
12	20.7	18.4	19.5	16.4	14.3	15.6	10.1	9.0	9.4	6.1	4.5	5.4
13	21.0	19.0	20.1	14.3	11.9	13.1	9.5	7.7	8.7	6.5	4.9	5.6
14	19.0	17.2	18.1	12.7	10.1	11.5	8.8	7.4	8.3	7.5	4.7	6.1
15	17.2	14.6	15.4	13.1	9.9	11.6	9.0	6.7	7.8	6.5	4.7	5.6
16	17.1	15.2	16.2	13.5	12.5	13.0	10.1	7.0	8.5	5.5	4.0	4.9
17	15.5	13.7	14.6	12.7	9.9	11.4	10.2	8.3	9.1	5.5	3.5	4.7
18	15.1	12.4	13.8	11.6	8.8	10.2	9.9	8.7	9.2	3.8	1.7	2.8
19	15.5	12.9	14.3	12.2	10.1	11.1	10.8	9.1	9.8	4.9	2.7	3.8
20	17.0	14.4	15.6	12.4	11.0	11.7	10.9	8.6	10.3	7.3	2.9	5.4
21	17.5	16.6	16.9	13.4	11.6	12.4	9.0	6.7	7.9	10.4	7.3	9.1
22	16.7	15.6	16.3	12.0	9.2	10.8	10.6	7.1	8.8	10.4	8.2	9.6
23	15.8	15.3	15.5	10.3	8.0	9.2	9.9	7.1	8.7	8.2	2.2	5.1
24	16.4	15.2	15.8	11.4	8.2	9.7	9.8	7.3	8.6	3.5	0.6	2.1
25	15.8	15.2	15.4	11.6	8.6	10.1	9.0	6.5	7.9	5.0	2.2	3.6
26	16.5	15.4	15.9	12.1	8.7	10.5	7.4	5.8	6.6	6.5	4.4	5.2
27	17.4	15.9	16.7	12.1	8.3	10.4	7.3	5.3	6.4	5.4	3.3	4.4
28	19.1	17.3	17.8	8.7	6.8	7.8	7.6	5.3	6.5	6.7	2.8	4.8
29	18.1	16.2	17.5	8.7	5.8	7.4	8.9	6.2	7.5	8.5	6.7	7.6
30	17.0	15.0	16.2	10.6	8.4	9.3	9.2	6.5	7.9	8.9	8.4	8.6
31	15.1	13.5	14.3	---	---	---	10.7	8.5	9.6	9.3	8.0	8.5
MONTH	22.6	12.4	17.6	17.4	5.8	11.8	10.9	4.3	8.1	11.7	0.6	6.6

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04 CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.5	7.5	8.4	10.5	9.7	10.1	15.3	8.3	11.7	19.2	16.2	17.6
2	10.2	6.5	8.3	12.0	9.7	10.7	16.8	11.2	13.8	19.7	16.2	17.7
3	10.8	7.1	9.1	10.9	7.6	9.4	17.8	11.7	14.6	18.2	15.6	16.8
4	11.7	8.6	10.6	11.7	8.0	10.0	17.9	13.4	15.5	18.9	15.2	17.1
5	8.8	6.4	7.7	12.6	11.0	11.7	17.3	15.3	16.0	18.8	16.9	17.6
6	7.7	6.0	7.1	12.5	11.6	12.0	15.7	13.2	14.6	18.6	17.3	17.8
7	7.7	5.8	6.7	14.0	10.7	12.1	15.0	13.7	14.4	18.7	17.0	17.8
8	6.9	4.8	6.0	13.1	10.4	11.7	13.7	12.1	12.8	19.3	17.3	18.2
9	8.7	5.6	7.1	15.6	11.5	13.2	12.1	11.5	11.8	20.2	17.5	18.7
10	8.8	6.8	7.8	14.2	10.1	12.1	11.5	10.4	10.8	20.6	17.9	19.2
11	8.8	5.4	7.1	13.7	9.0	11.3	12.7	9.3	11.0	19.4	17.1	18.6
12	9.5	6.0	7.6	15.0	9.4	12.2	16.1	9.9	12.9	18.3	15.9	17.0
13	9.1	5.5	7.4	16.2	12.0	14.1	17.3	11.7	14.4	18.1	14.8	16.4
14	8.3	6.7	7.6	14.9	12.4	13.4	17.6	11.9	14.7	16.8	15.5	16.2
15	11.4	8.2	9.8	12.4	11.3	11.9	18.3	13.4	15.8	17.8	16.1	17.0
16	11.3	6.2	8.3	14.8	11.7	12.9	18.2	13.9	16.0	19.2	16.8	17.9
17	7.3	6.1	6.7	13.4	12.5	13.0	17.0	14.6	16.0	18.7	17.8	18.2
18	8.9	6.2	7.3	13.9	13.0	13.4	15.9	14.5	15.5	17.8	16.6	17.2
19	9.6	6.1	7.9	14.1	13.5	13.8	16.2	13.7	14.8	16.6	15.5	15.8
20	11.2	8.5	9.8	13.5	12.0	12.5	15.4	14.8	15.1	16.6	15.1	15.8
21	10.5	9.7	10.0	16.5	12.3	14.0	17.0	14.9	15.7	17.0	16.1	16.5
22	12.7	9.3	10.9	15.4	11.4	13.4	16.7	13.7	15.0	17.5	16.7	17.2
23	11.5	8.7	10.0	15.1	10.9	12.9	16.5	12.0	14.2	18.7	16.3	17.3
24	12.4	8.4	10.2	16.2	10.4	13.2	14.9	12.0	13.6	19.1	16.7	17.7
25	11.0	9.0	10.1	16.8	10.9	13.9	16.1	13.9	14.8	20.1	16.1	17.7
26	10.1	8.3	8.9	17.2	12.5	14.9	17.4	14.5	15.9	19.6	17.8	18.6
27	8.3	7.0	7.6	18.0	14.1	15.7	17.8	13.9	15.9	18.6	16.2	17.4
28	12.0	7.9	9.7	17.0	14.8	15.8	18.1	14.4	16.2	18.8	15.5	17.1
29	---	---	---	16.5	13.0	15.1	18.9	14.8	16.8	18.8	16.2	17.3
30	---	---	---	13.1	9.7	11.8	18.9	15.9	17.3	18.8	15.5	17.1
31	---	---	---	13.0	7.9	10.2	---	---	---	19.8	16.3	17.9
MONTH	12.7	4.8	8.4	18.0	7.6	12.7	18.9	8.3	14.6	20.6	14.8	17.4

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04 CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.3	16.6	17.8	---	---	---	23.0	21.4	22.1	23.2	21.7	22.4
2	18.7	15.4	17.0	---	---	---	22.9	21.3	22.0	23.0	21.2	22.2
3	19.2	17.2	18.4	22.0	18.9	20.4	23.3	21.1	21.9	23.5	21.4	22.4
4	20.5	18.1	19.0	21.8	19.8	20.7	22.7	21.5	21.9	23.3	21.8	22.4
5	19.8	16.8	18.3	21.3	19.9	20.5	23.1	21.1	22.0	22.3	20.6	21.4
6	20.2	17.3	18.4	21.6	19.7	20.5	23.3	21.3	22.0	21.7	20.4	21.0
7	---	19.0	---	21.8	19.7	20.7	22.4	20.5	21.4	20.4	19.3	19.8
8	21.0	19.5	20.1	22.4	20.0	21.1	22.6	20.7	21.5	20.3	18.4	19.5
9	20.8	18.2	19.4	22.7	20.3	21.5	22.3	20.0	21.1	20.6	18.4	19.5
10	21.1	17.7	19.3	22.6	20.8	21.4	22.1	20.5	21.3	20.6	18.9	19.8
11	---	---	---	22.4	20.5	21.3	21.8	20.0	20.9	20.4	18.4	19.5
12	---	---	---	22.6	20.4	21.5	21.7	19.9	20.9	20.2	18.1	19.1
13	23.4	19.9	21.2	22.7	20.5	21.5	22.0	20.5	21.2	20.3	17.4	18.9
14	23.1	19.9	21.0	21.9	20.7	21.3	22.8	20.5	21.7	20.7	18.5	19.7
15	22.2	20.0	21.0	22.2	20.2	21.1	23.2	21.1	22.1	21.5	19.5	20.4
16	23.0	19.7	21.1	22.3	20.4	21.4	23.3	21.4	22.2	20.6	18.4	19.4
17	21.4	20.3	20.8	22.2	20.3	21.2	23.4	21.1	22.0	20.2	18.1	19.0
18	---	---	---	22.3	20.4	21.3	23.2	21.0	22.1	19.9	16.8	18.4
19	21.2	19.5	20.3	22.7	20.5	21.5	23.4	21.4	22.4	20.2	17.1	18.7
20	21.4	19.1	20.1	23.0	20.7	21.8	23.0	21.8	22.3	20.7	18.0	19.3
21	20.4	17.4	18.9	23.1	20.8	21.9	23.6	21.3	22.3	20.4	18.2	19.4
22	20.4	17.1	18.7	23.6	20.8	21.9	23.4	21.3	22.4	22.0	20.0	20.7
23	21.1	17.8	19.3	21.8	20.6	21.3	23.6	21.5	22.5	20.7	19.0	19.9
24	21.2	18.6	19.8	21.8	19.1	20.4	23.3	21.3	22.4	19.9	17.6	18.8
25	21.7	19.0	20.3	21.7	19.1	20.4	23.2	21.6	22.3	---	---	---
26	21.3	19.2	20.2	22.3	20.1	21.0	23.6	21.1	22.3	20.2	---	---
27	20.9	19.2	20.1	22.7	20.1	21.3	24.0	21.4	22.7	21.2	18.1	19.4
28	20.6	19.3	20.0	23.3	20.9	22.0	23.9	21.7	22.8	20.2	16.7	18.7
29	21.6	19.4	20.4	23.5	21.3	22.3	23.3	21.4	22.4	16.7	14.5	15.6
30	21.2	19.9	20.4	22.6	21.3	22.0	23.4	22.0	22.7	16.4	13.7	15.1
31	---	---	---	23.7	21.0	22.1	23.5	21.6	22.5	---	---	---
MONTH	---	---	---	---	---	---	24.0	19.9	22.0	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04 CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13	<5.0	7.1	103	9.3	17	---	---	---	364	27	72
2	8.5	<5.0	5.8	42	6.3	12	---	---	---	66	12	17
3	26	<5.0	5.0	26	5.4	8.1	---	---	---	65	9.5	21
4	256	<5.0	<5.0	53	6.4	17	---	---	---	9.6	5.5	6.7
5	38	5.0	15	>1200	6.0	334	>1200	36	112	9.9	<5.0	5.8
6	18	<5.0	5.2	835	33	79	36	9.4	15	---	---	---
7	11	<5.0	5.4	39	12	21	14	5.6	8.7	---	---	---
8	7.8	<5.0	<5.0	18	6.2	10	9.8	<5.0	5.0	11	<5.0	5.1
9	10	<5.0	<5.0	20	<5.0	6.8	22	<5.0	<5.0	87	5.0	11
10	16	<5.0	<5.0	82	<5.0	9.5	>1200	<5.0	8.9	33	5.7	8.7
11	9.1	<5.0	<5.0	>1200	<5.0	132	451	34	82	28	<5.0	5.7
12	8.7	<5.0	<5.0	---	---	---	35	10	17	8.0	<5.0	5.8
13	52	5.5	11	---	---	---	376	11	90	13	<5.0	<5.0
14	18	<5.0	5.6	---	---	---	57	14	23	9.4	<5.0	5.3
15	>1200	7.5	247	---	---	---	20	7.2	9.0	9.7	<5.0	<5.0
16	866	46	110	>1200	79	282	11	5.7	6.6	42	<5.0	<5.0
17	48	15	27	86	18	35	18	<5.0	6.1	21	<5.0	6.5
18	31	8.5	12	---	---	---	13	5.1	6.6	8.5	<5.0	<5.0
19	38	6.3	14	---	---	---	252	5.4	7.1	14	<5.0	7.1
20	497	6.3	9.2	---	---	---	799	23	75	24	<5.0	5.0
21	122	12	28	256	20	75	23	7.8	13	32	<5.0	<5.0
22	17	6.0	8.3	20	7.5	10	20	6.6	8.3	20	<5.0	6.5
23	18	<5.0	5.5	42	10	16	15	<5.0	7.0	10	<5.0	<5.0
24	13	<5.0	5.2	37	9.1	16	>1200	9.8	147	---	---	---
25	31	<5.0	5.8	20	<5.0	9.2	93	34	66	---	---	---
26	---	---	---	9.3	<5.0	5.3	34	17	23	---	---	---
27	---	---	---	12	<5.0	5.3	20	9.9	12	16	<5.0	6.4
28	>1200	<5.0	8.7	15	5.0	7.3	26	8.0	9.0	26	<5.0	5.0
29	>1200	89	170	9.5	<5.0	5.6	9.7	6.0	7.3	646	<5.0	12
30	247	24	58	---	---	---	15	6.0	7.5	313	31	82
31	27	11	17	---	---	---	80	5.6	6.7	32	9.0	14
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04 CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10	5.8	7.4	15	7.7	9.0	26	<5.0	6.6	15	6.9	8.2
2	30	5.1	6.1	18	6.4	8.0	11	<5.0	5.9	18	6.0	7.8
3	13	<5.0	5.6	26	6.0	8.6	25	<5.0	7.5	12	<5.0	6.6
4	389	<5.0	52	22	5.0	6.4	851	<5.0	11	16	<5.0	5.8
5	22	5.8	12	837	5.3	6.6	66	6.9	21	>1200	5.3	7.4
6	309	<5.0	14	>1200	84	228	>1200	6.3	11	>1200	102	300
7	313	25	74	88	27	45	435	17	54	622	77	159
8	---	---	---	53	17	22	25	12	15	193	34	54
9	---	---	---	20	11	14	38	11	18	36	18	26
10	---	---	---	21	9.3	11	>1200	17	70	26	14	18
11	24	8.2	12	16	7.1	9.5	391	19	41	48	14	17
12	9.0	<5.0	6.0	16	6.4	7.3	19	10	13	23	11	15
13	8.6	<5.0	5.3	13	5.6	7.2	70	9.5	15	20	10	13
14	11	<5.0	5.3	13	6.2	7.2	>1200	9.8	32	20	10	12
15	21	<5.0	5.6	49	6.2	21	926	11	22	>1200	12	104
16	550	6.2	180	11	5.7	7.2	79	10	15	68	20	28
17	122	12	31	73	6.1	29	111	8.5	13	135	13	19
18	18	7.2	8.8	34	8.8	12	42	6.7	9.8	>1200	50	234
19	16	5.7	6.8	922	6.6	101	16	6.6	8.5	127	36	44
20	8.0	<5.0	5.4	>1200	50	149	15	5.7	7.7	40	18	26
21	17	<5.0	<5.0	51	17	24	318	6.0	25	50	14	18
22	>1200	12	149	18	9.6	12	51	9.5	19	>1200	47	208
23	88	22	40	---	---	---	14	5.9	8.0	71	26	36
24	55	13	17	---	---	---	8.6	<5.0	6.3	30	17	20
25	32	9.7	12	---	---	---	1200	6.0	196	>1200	13	17
26	74	7.3	9.9	---	---	---	1010	26	70	712	33	70
27	169	41	67	13	6.7	7.8	32	14	17	36	17	21
28	48	11	18	29	6.5	8.2	62	11	16	31	12	16
29	---	---	---	21	6.4	8.7	45	9.2	12	20	11	14
30	---	---	---	50	8.2	22	25	7.3	9.0	20	9.7	12
31	---	---	---	16	5.0	8.3	---	---	---	23	9.3	12
MAX	---	---	---	---	---	---	1200	26	196	1200	102	300
MIN	---	---	---	---	---	---	8.6	5.0	5.9	12	5.0	5.8

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340547 LONGITUDE 0840447 NAD27 DRAINAGE AREA 5.04 CONTRIBUTING DRAINAGE AREA DATUM 985 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	25	8.3	10	---	---	---	242	22	42	26	6.7	9.2
2	23	7.6	9.8	---	---	---	78	14	28	48	6.6	8.6
3	>1200	8.2	141	51	22	29	>2200	13	96	41	6.7	9.1
4	41	12	17	142	17	23	>2200	28	80	16	5.4	7.0
5	21	9.3	12	61	22	30	74	16	22	12	6.4	7.7
6	829	9.4	12	---	---	---	>2200	16	70	17	7.1	9.4
7	>1200	56	136	---	---	---	130	16	29	10	5.2	6.2
8	307	32	61	---	---	---	21	13	16	14	5.6	6.5
9	34	18	26	26	10	13	771	10	15	10	5.4	6.5
10	24	14	17	465	12	50	735	15	24	10	5.2	6.1
11	---	---	---	113	16	27	35	11	17	17	5.4	8.3
12	---	---	---	57	12	16	28	10	13	34	7.1	11
13	>1200	53	257	>2200	12	16	56	9.4	12	---	---	---
14	>1200	37	81	1440	32	85	62	9.4	12	---	---	---
15	321	32	54	44	18	24	25	9.6	12	---	---	---
16	>1200	21	195	95	14	18	325	9.6	16	6.8	<5.0	5.0
17	1010	52	140	22	11	14	149	17	36	19	<5.0	5.7
18	>1200	41	258	18	10	11	44	8.2	13	80	<5.0	10
19	166	47	65	17	8.7	11	39	7.4	9.8	59	7.0	10
20	47	28	34	19	8.6	9.9	63	9.2	16	10	<5.0	6.2
21	32	20	25	34	8.1	9.7	44	7.0	9.4	11	<5.0	5.7
22	28	17	21	>2200	14	76	17	6.8	9.4	>2200	6.6	118
23	26	14	18	110	27	58	18	6.7	8.7	279	38	83
24	24	12	16	31	12	16	13	6.6	7.8	38	15	22
25	26	11	14	22	10	13	15	6.0	7.6	---	---	---
26	26	10	13	22	9.1	11	44	6.2	9.3	---	---	---
27	21	11	12	17	7.6	10	120	7.3	11	1930	9.1	19
28	294	12	37	18	8.7	10	42	7.0	10	411	25	55
29	22	10	14	30	10	15	1030	5.8	8.4	26	8.5	13
30	816	9.0	12	1230	9.3	52	879	15	48	12	6.0	7.1
31	---	---	---	>2200	13	27	25	7.7	10	---	---	---
MAX	---	---	---	---	---	---	2200	28	96	---	---	---
MIN	---	---	---	---	---	---	13	5.8	7.6	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA

LOCATION.—Lat 34°05'47", long 84°04'43" referenced to North American Datum (NAD) of 1927, Hydrologic Unit Code 03130001, Gwinnett County, 20.0 feet upstream of the culvert on Suwanee Dam Road, 2.4 miles upstream from the confluence with the Chattahoochee River.

DRAINAGE AREA.—5.04 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—July 25, 2001 to current year.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory and Missouri District Water Quality Laboratory. Field values with analyzing agency code 1028 are median values of cross-section field data at the time of sample collection. Field determinations of discharge, specific conductance, pH, water temperature, air temperature, dissolved oxygen, and turbidity by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Hydro-logic condi-tion	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Sam-pling method, code (82398)	Tur-bidity, NTU (00076)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)
OCT													
11...	1020	--	9	9	81213	3.47	3.0	10	5.8	7.2	79	56	2
DEC													
10-10	1825	1830	A	J	81213	5.14	120	10	360	6.7	43	39	476
16...	1230	--	9	9	81213	3.60	6.5	10	6.5	6.8	72	50	3
MAR													
10...	1020	--	9	9	81213	3.62	7.2	10	9.7	6.4	74	51	3
APR													
03...	0925	--	9	9	81213	3.58	5.9	10	7.4	6.4	77	51	3
21-21	1515	1520	A	J	81213	3.78	14	10	160	6.6	68	43	260
25-25	0725	0735	A	J	81213	4.50	71	10	560	6.7	42	33	425
JUN													
12-12	2005	2015	A	J	81213	4.00	32	10	360	7.1	63	42	321
JUL													
18...	1010	--	9	9	81213	3.60	6.8	10	10	7.0	75	62	5
22-22	1325	1330	A	J	81213	4.32	60	10	450	6.8	53	47	523
AUG													
21...	1000	--	9	9	81213	3.55	2.8	10	8.9	6.8	76	62	4
SEP													
22-22	1520	1525	8	J	81213	4.10	40	10	490	7.0	51	35	605

02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA —continued.

Date	Residue volatile, suspended, mg/L (00535)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sampler type, code (84164)
OCT													
11...	<1	<.20	.024	.20	.200	.02	.03	--	1.3	210	--	2	3044
DEC													
10-10	56	1.4	.166	.41	.420	.08	.43	1.8	3.4	5900	50	777	3044
16...	2	.30	.037	.39	.400	<.02	<.02	.70	1.2	E18k	--	14	3044
MAR													
10...	<1	<.20	.034	.38	.390	<.02	<.02	--	7.5	74	--	5	3044
APR													
03...	2	<.20	.029	.29	.310	<.02	<.02	--	1.5	185	94	14	3044
21-21	34	1.3	.130	.43	.430	.09	.18	1.7	22.0	--	76	323	3044
25-25	58	2.0	.326	.48	.500	.04	.45	2.5	4.6	10400	75	607	3044
JUN													
12-12	46	1.3	.154	.40	.410	<.02	.21	1.7	2.8	8800	81	443	3044
JUL													
18...	<1	<.20	A.034	.38	.380	<.02	<.02	--	1.4	207	--	15	3044
22-22	63	2.4	A.247	.54	.550	.04	.43	3.0	3.3	32300	66	760	3044
AUG													
21...	2	<.20	A.026	.34	.350	<.02	<.02	--	1.4	390	--	12	3044
SEP													
22-22	91	2.6	.180	.34	.340	.05	.48	2.9	4.0	34000	26	622	3044

Date	Time	Ending time	Hydrologic condition	Hydrologic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT													
11...	1025	--	A	9	1028	3.47	3.0	40	6.0	8.4	93	6.9	79
DEC													
10-10	1830	1840	A	J	1028	5.25	140	40	500	9.8	82	6.2	42
16...	1225	--	A	9	1028	3.59	6.4	40	7.3	10.9	95	6.3	72
MAR													
10...	1034	--	9	9	1028	3.62	7.2	10	11	11.2	101	6.2	69
APR													
03...	0930	--	A	9	--	3.58	5.9	10	9.0	10.2	98	6.0	76
21-21	1525	1530	A	J	1028	3.79	15	40	160	8.5	88	6.4	67
25-25	0735	0745	A	J	1028	4.44	65	40	680	9.2	90	6.7	43
JUN													
12...	2015	--	A	J	1028	4.02	35	10	420	7.8	92	7.1	64
JUL													
18...	1020	--	9	9	1028	3.60	6.7	40	11	8.2	94	6.8	71
22-22	1332	1338	8	J	1028	4.44	72	40	630	7.6	93	6.7	57
AUG													
21...	1015	--	9	9	1028	3.55	2.8	40	9.1	8.2	95	6.6	75
SEP													
22-22	1525	1530	8	J	--	4.22	50	40	710	7.7	91	6.8	51

02334578 LEVEL CREEK AT SUWANEE DAM ROAD, NEAR SUWANEE, GA —continued.

Date	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sampler type, code (84164)
OCT					
11...	22.0	18.7	--	2	--
DEC					
10-10	5.5	7.7	36	1090	3002
16...	19.0	8.8	--	6	3001
MAR					
10...	14.0	10.9	--	5	3001
APR					
03...	--	12.6	--	4	3001
21-21	--	16.9	90	138	3001
25-25	--	14.1	78	543	3001
JUN					
12...	--	22.0	78	453	--
JUL					
18...	30.0	20.8	--	13	3001
22-22	--	23.7	70	702	3001
AUG					
21...	--	21.8	--	44	3001
SEP					
22-22	22.0	22.0	36	769	3001

Remark codes used in this report:
< -- Less than
> -- Greater than
A -- Average value
E -- Estimated value
S -- Most probable value

Value qualifier codes used in this report:
a -- Value was extrapolated above
f -- Sample field preparation problem
k -- Counts outside acceptable range
l -- Sample lab preparation problem
q -- Insufficient sample received

APALACHICOLA RIVER BASIN
2003 Water Year

02334775 IVY CREEK AT HAMILTON MILL ROAD, NEAR BUFORD, GA

LOCATION.—Lat 34°05'54", long 83°57'50" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, at culvert on Hamilton Mill Road, 2.1 miles southeast of Buford.

DRAINAGE AREA.—3.66 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-STAGE RECORDS

PERIOD OF RECORD.—1994 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 1,080.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. The date of the maximum stage is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum stage for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 8.50 feet, August 20, 1998

MAXIMUM FOR CURRENT YEAR.—
STAGE: 6.32 feet, July 1

02334880 MILL CREEK AT WILDWOOD ROAD, NEAR SUWANEE, GA

LOCATION.—Lat 34°01'41", long 84°04'13" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03130001, at culvert on Wildwood Road near Suwanee.

DRAINAGE AREA.—1.86 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1995 to current year.

GAGE.--Crest-stage partial-record gage. Datum of gage is 950.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

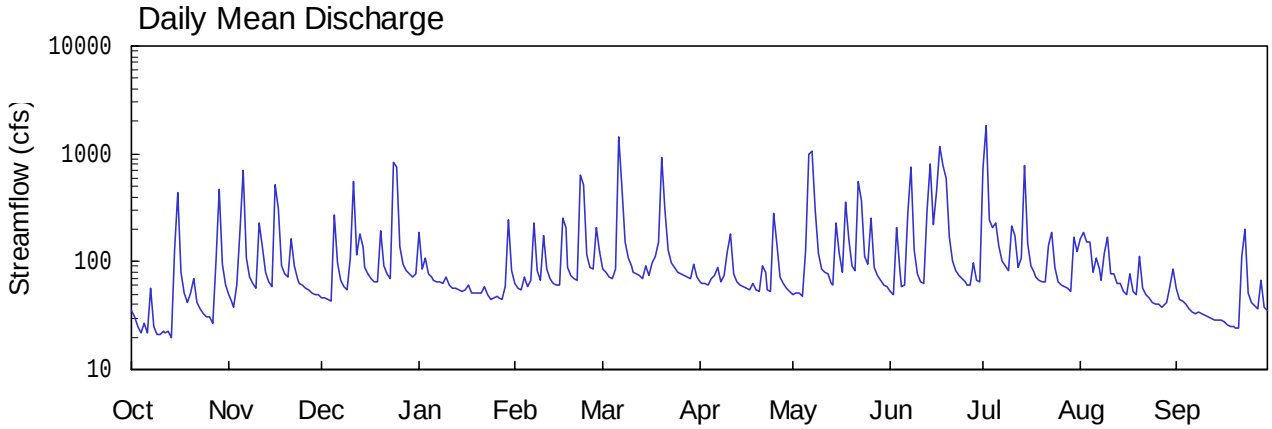
MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 7.51 feet, April 3, 2000
DISCHARGE: 661 cfs, April 3, 2000

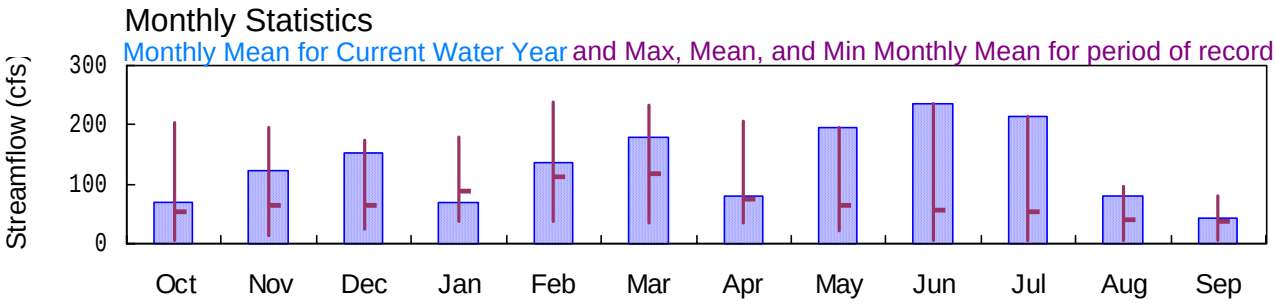
MAXIMUM FOR CURRENT YEAR.—
STAGE: 7.16 feet, June 18
DISCHARGE: 600 cfs, June 18

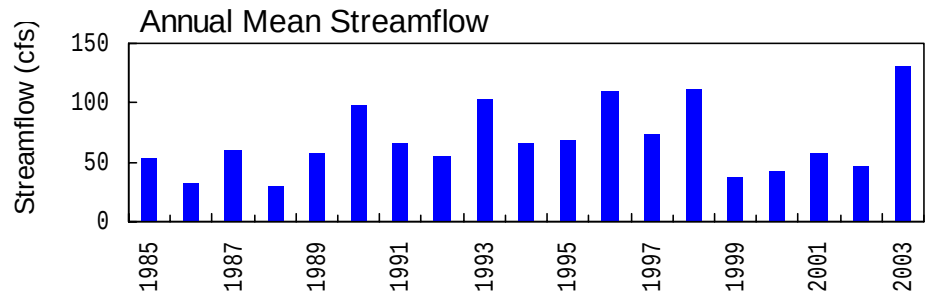
2003 Water Year

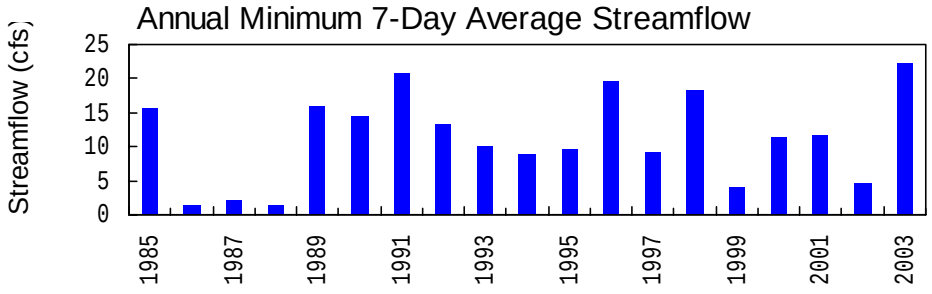
02334885 SUWANEE CREEK AT SUWANEE, GA

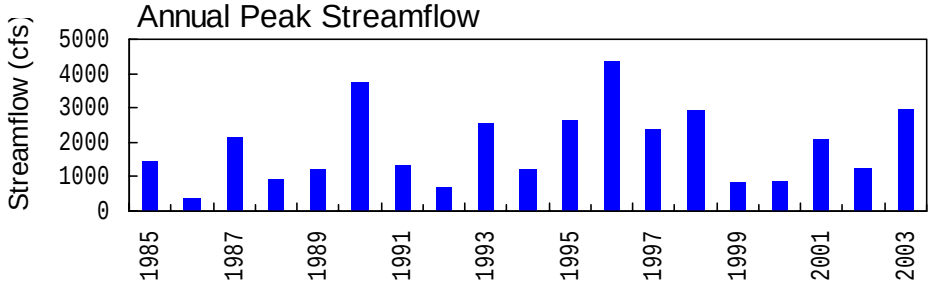
Latitude: 34°01'56" Longitude: 084°05'22" Hydrologic Unit Code: 03130001 Gwinnett County
Drainage Area: 47.0 mi² Datum: 909.7 feet

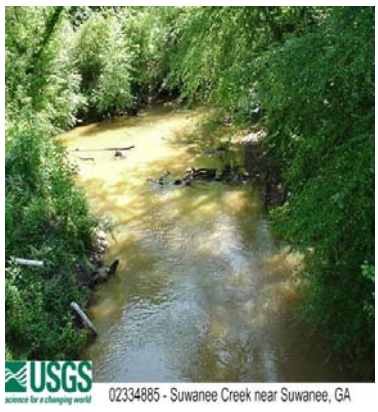












APALACHICOLA RIVER BASIN
2003 Water Year

02334885 SUWANEE CREEK NEAR SUWANEE, GA

LOCATION.—Lat 34°01'56", long 84°05'22" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03130001, 20.0 feet upstream of US 23 bridge, 1.7 miles southwest of Suwanee, 3.1 miles upstream of the Chattahoochee River, 0.2 miles upstream of Bennett Creek, and 0.65 miles downstream of Mill Creek.

DRAINAGE AREA.—47.0 square miles.

COOPERATION.—Atlanta Regional Commission, Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1984 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 909.71 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good, except for periods of estimate discharge, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 550 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
10/16	1030	673	6.91
10/29	0915	931	7.73
11/06	1245	1,020	7.98
11/16	2315	849	7.49
12/11	1145	945	7.77
12/24	2315	1,900	9.53
02/22	2230	1,560	9.01
03/06	1630	2,060	9.75
03/20	1645	1,460	8.84
05/07	0330	1,890	9.51
05/22	2245	834	7.17
06/08	1000	1,370	8.68
06/14	0515	1,430	8.80
06/17	0145	1,640	9.15
06/18	2200	1,150	8.27
07/02	0630	2,940*	10.78*
07/14	1100	1,460	8.85

02334885 SUWANEE CREEK NEAR SUWANEE, GA—continued.

WATER–STAGE RECORDS

PERIOD OF RECORD.—October 1984 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 909.71 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 10.78 feet, July 2; minimum gage-height recorded, 0.51 feet, October 14.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 17, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00* DATUM 909.71 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	50	47	189	62	85	65	50	54	730	165	57
2	31	42	46	87	56	80	63	50	50	1850	185	45
3	25	38	45	110	54	73	62	51	205	242	152	43
4	22	60	44	76	71	69	61	48	84	204	152	40
5	27	194	269	71	58	85	70	129	58	229	79	37
6	22	709	96	68	68	1440	73	999	60	137	108	35
7	56	108	67	65	232	490	87	1060	285	101	85	33
8	25	72	59	64	81	152	66	297	763	91	68	34
9	21	62	55	63	68	108	74	120	131	83	120	33
10	21	57	109	73	175	90	123	86	77	213	168	32
11	23	227	556	60	85	81	179	79	65	177	78	31
12	22	137	117	57	69	78	78	77	64	90	76	30
13	23	80	178	57	62	74	66	64	287	107	63	29
14	20	e64	135	55	61	71	61	61	798	768	63	29
15	127	e60	88	54	60	90	58	225	222	148	53	29
16	442	514	77	54	255	76	57	119	448	92	50	28
17	80	306	69	61	209	97	55	80	1150	80	76	26
18	51	93	65	51	88	111	63	357	773	72	53	25
19	42	76	65	52	73	153	55	163	586	68	49	25
20	51	71	195	51	69	932	54	93	166	64	111	24
21	68	165	90	52	66	305	91	82	100	64	57	24
22	42	90	76	59	642	126	81	555	81	141	49	111
23	36	70	69	50	513	98	55	375	74	188	46	202
24	33	64	833	44	116	87	52	113	69	88	42	51
25	31	60	749	46	87	79	278	95	65	65	41	e42
26	31	57	137	47	86	77	147	252	60	61	40	e39
27	27	54	96	46	207	73	72	89	60	59	38	37
28	100	51	83	44	126	71	63	75	99	56	41	67
29	471	50	77	58	---	69	56	66	67	53	42	37
30	94	50	73	247	---	94	52	60	64	167	59	35
31	61	---	78	83	---	71	---	58	---	125	86	---
TOTAL	2160	3731	4743	2194	3799	5585	2417	6028	7065	6613	2495	1310
MEAN	69.7	124	153	70.8	136	180	80.6	194	236	213	80.5	43.7
MAX	471	709	833	247	642	1440	278	1060	1150	1850	185	202
MIN	20	38	44	44	54	69	52	48	50	53	38	24
CFSM	1.48	2.65	3.26	1.51	2.89	3.83	1.71	4.14	5.01	4.54	1.71	0.93
IN.	1.71	2.95	3.75	1.74	3.01	4.42	1.91	4.77	5.59	5.23	1.97	1.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2003, BY WATER YEAR (WY)

MEAN	52.5	63.5	64.2	88.6	112	117	75.8	64.3	55.1	52.4	41.2	37.4
MAX	204	196	175	178	239	233	206	194	236	213	96.8	81.2
(WY)	1996	1993	1993	1996	1998	1990	1998	2003	2003	2003	1994	1989
MIN	5.35	14.6	23.8	37.1	38.3	34.7	35.2	20.4	6.20	4.20	4.23	6.19
(WY)	1988	1988	1988	1986	1986	1988	1986	1988	1988	1986	1986	1987

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1985 - 2003	
ANNUAL TOTAL	25444.5		48140			
ANNUAL MEAN	69.7		132		68.4	
HIGHEST ANNUAL MEAN					132	2003
LOWEST ANNUAL MEAN					30.0	1988
HIGHEST DAILY MEAN	833	Dec 24	1850	Jul 2	2790	Oct 5 1995
LOWEST DAILY MEAN	3.7	Sep 12	20	Oct 14	1.0	Jul 20 1988
ANNUAL SEVEN-DAY MINIMUM	4.8	Sep 7	22	Oct 8	1.3	Jul 16 1988
MAXIMUM PEAK FLOW			2940	Jul 2	4350	Oct 5 1995
MAXIMUM PEAK STAGE			10.78	Jul 2	12.04	Oct 5 1995
ANNUAL RUNOFF (CFSM)	1.48		2.81		1.46	
ANNUAL RUNOFF (INCHES)	20.14		38.10		19.78	
10 PERCENT EXCEEDS	129		244		119	
50 PERCENT EXCEEDS	42		71		41	
90 PERCENT EXCEEDS	9.7		37		15	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00* DATUM 909.71 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.55	1.73	1.70	2.73	1.88	2.13	1.92	1.74	1.78	5.39	2.61	1.83
2	1.49	1.64	1.68	2.14	1.81	2.07	1.90	1.74	1.74	9.00	2.73	1.67
3	1.39	1.59	1.68	2.31	1.79	2.00	1.88	1.75	2.80	3.04	2.48	1.65
4	1.34	1.86	1.66	2.04	1.98	1.96	1.87	1.71	2.10	2.88	2.53	1.61
5	1.42	3.32	4.26	1.98	1.83	2.08	1.97	2.28	1.84	2.95	2.06	1.58
6	1.32	6.72	2.24	1.95	1.91	8.42	2.00	7.71	1.85	2.48	2.28	1.54
7	1.79	2.38	1.94	1.91	3.00	4.60	2.14	7.17	3.40	2.26	2.12	1.52
8	1.38	1.99	1.85	1.91	2.08	2.55	1.93	3.42	6.28	2.18	1.95	1.53
9	1.32	1.88	1.80	1.89	1.95	2.31	2.01	2.38	2.42	2.10	2.27	1.52
10	1.32	1.82	2.42	2.00	2.64	2.17	2.33	2.13	2.05	2.87	2.64	1.51
11	1.35	3.84	6.04	1.86	2.12	2.09	2.69	2.07	1.92	2.68	2.04	1.49
12	1.33	2.69	2.46	1.82	1.96	2.05	2.05	2.04	1.90	2.17	2.03	1.47
13	1.35	2.07	3.29	1.82	1.89	2.02	1.92	1.90	3.51	2.25	1.89	1.45
14	1.29	---	2.67	1.81	1.87	1.98	1.88	1.87	6.25	6.26	1.90	1.45
15	2.54	---	2.16	1.78	1.86	2.16	1.84	2.98	2.95	2.52	1.77	1.46
16	5.34	5.80	2.04	1.79	3.21	2.03	1.82	2.34	4.54	2.19	1.74	1.44
17	2.07	4.11	1.96	1.87	2.89	2.18	1.80	2.07	8.10	2.08	2.01	1.41
18	1.75	2.21	1.91	1.76	2.15	2.31	1.90	3.93	6.34	2.00	1.77	1.40
19	1.64	2.03	1.91	1.76	2.01	2.52	1.80	2.61	5.35	1.95	1.73	1.39
20	1.74	1.98	3.49	1.75	1.96	7.15	1.78	2.19	2.61	1.91	2.25	1.38
21	1.94	3.08	2.18	1.76	1.93	3.50	2.08	2.09	2.25	1.91	1.82	1.38
22	1.64	2.18	2.03	1.85	5.45	2.42	2.06	5.32	2.09	2.42	1.73	2.06
23	1.57	1.97	1.96	1.73	4.64	2.24	1.80	4.02	2.01	2.72	1.69	2.86
24	1.53	1.90	6.12	1.67	2.36	2.15	1.77	2.34	1.96	2.14	1.64	1.76
25	1.49	1.85	5.70	1.69	2.15	2.06	3.31	2.19	1.91	1.92	1.63	---
26	1.50	1.82	2.47	1.70	2.12	2.04	2.49	3.13	1.86	1.87	1.62	---
27	1.42	1.79	2.22	1.69	2.81	2.01	1.99	2.16	1.86	1.84	1.59	1.58
28	2.31	1.75	2.11	1.67	2.40	1.98	1.89	2.02	2.20	1.81	1.62	1.91
29	5.42	1.73	2.04	1.82	---	1.96	1.81	1.93	1.93	1.78	1.64	1.58
30	2.22	1.73	2.00	3.07	---	2.20	1.77	1.86	1.91	2.54	1.84	1.55
31	1.87	---	2.04	2.09	---	1.98	---	1.84	---	2.33	2.07	---
MEAN	1.86	---	2.58	1.92	2.38	2.62	2.01	2.74	2.99	2.72	1.99	---
MAX	5.42	---	6.12	3.07	5.45	8.42	3.31	7.71	8.10	9.00	2.73	---
MIN	1.29	---	1.66	1.67	1.79	1.96	1.77	1.71	1.74	1.78	1.59	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00* DATUM 909.71 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.25	0.00	0.02	0.00	0.00	0.00	3.45	0.00	0.00
2	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.12	0.00	0.01	0.00	0.00
3	0.00	0.26	0.00	0.01	0.00	0.00	0.00	0.01	0.82	0.00	0.72	0.04
4	0.02	0.11	0.12	0.00	0.20	0.02	0.01	0.00	0.01	0.65	0.00	0.00
5	0.00	1.95	1.25	0.00	0.00	1.51	0.20	---	0.00	0.15	0.32	0.00
6	0.11	0.00	0.00	0.00	0.68	1.21	0.45	---	0.64	0.01	0.55	0.00
7	0.18	0.00	0.00	0.00	0.04	0.00	0.09	---	0.97	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00
9	0.00	0.01	0.00	0.15	0.14	0.00	0.08	0.00	0.00	0.00	0.04	0.00
10	0.02	0.00	1.59	0.03	0.38	0.00	0.59	0.00	0.00	0.89	0.00	0.00
11	0.03	1.15	0.02	0.00	0.00	0.00	0.00	0.05	0.04	0.00	0.38	0.00
12	0.09	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.01	0.00
13	0.03	0.00	0.68	0.00	0.00	0.00	0.00	0.00	1.79	1.07	0.00	0.00
14	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.04
15	2.51	0.76	0.00	0.00	0.00	0.37	0.00	0.74	0.00	0.00	0.01	0.01
16	0.06	1.12	0.00	0.16	0.91	0.00	0.00	0.01	3.77	0.01	0.01	0.00
17	0.00	0.00	0.00	0.00	0.01	0.36	0.17	0.78	0.48	0.00	0.04	0.00
18	0.00	0.00	0.00	0.00	0.00	0.03	0.01	1.34	1.66	0.00	0.00	0.00
19	0.00	0.05	0.75	0.00	0.00	0.72	0.00	0.07	0.02	0.00	0.00	0.00
20	0.39	0.38	0.03	0.00	0.00	0.91	0.00	0.01	0.00	0.01	0.55	0.00
21	0.01	0.32	0.00	0.08	0.14	0.00	0.44	0.22	0.00	0.01	0.00	0.01
22	0.00	0.00	0.02	0.05	1.30	0.00	0.00	1.21	0.00	0.56	0.00	1.38
23	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	1.01	0.00	0.00
24	0.00	0.00	2.10	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.00	0.00
25	0.06	0.00	0.05	0.00	0.00	0.00	1.20	0.51	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.31	0.03	0.01	0.07	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.34	0.01	0.00	0.00	0.01	0.00	0.00	0.12
28	1.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.01	0.00
29	0.26	0.00	0.00	0.84	---	0.08	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.34	---	0.25	0.00	0.01	0.25	1.00	0.10	0.00
31	0.00	---	0.39	0.00	---	0.00	---	0.00	---	0.49	0.00	---
TOTAL	5.04	6.26	7.10	2.10	4.52	5.52	3.38	---	11.03	9.32	2.74	1.60

APALACHICOLA RIVER BASIN
2003 Water Year

02334885 SUWANEE CREEK NEAR SUWANEE, GA

LOCATION.—Lat 34°01'56", long 84°05'22" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03130001, 20 feet upstream of US 23 bridge, 1.7 miles southwest of Suwanee, 3.1 miles upstream of the Chattahoochee River, 0.2 miles upstream of Bennett Creek, and 0.65 miles downstream of Mill Creek.

DRAINAGE AREA.—47.0 square miles.

COOPERATION.—Atlanta Regional Commission, Gwinnett County Department of Public Utilities.

PERIOD OF RECORD.—February 8, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: February 8, 2001 to current year.
WATER TEMPERATURE: February 8, 2001 to current year.
TURBIDITY: February 15, 2001 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records fair, except turbidity records, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 240 microsiemens, September 13, 2002; minimum recorded, 30 microsiemens, July 2, 2003.
WATER TEMPERATURE: Maximum recorded, 26.3°C, July 30, 2002; minimum recorded, 1.5°C, January 5, 2002.
TURBIDITY: Maximum recorded, >2,200 NTU, July 10, 2003, August 10, 2003; minimum recorded, 4.2 NTU, May 6, 2001.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum, 153 microsiemens, June 6; minimum, 30 microsiemens, July 2.
WATER TEMPERATURE: Maximum, 25.2°C, August 30; minimum, 1.8°C, January 25.
TURBIDITY: Maximum, >2,200 NTU, July 10, August 10; minimum, 7.6 NTU, January 28.

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STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00 DATUM 909.71 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	114	98	107	99	91	96	100	93	98	81	64	71
2	120	103	112	105	96	101	104	95	100	79	66	75
3	117	106	113	108	99	104	108	97	104	84	77	80
4	121	111	116	---	---	---	107	97	103	86	78	84
5	134	115	123	---	---	---	110	53	67	89	84	87
6	118	107	112	60	44	49	72	58	67	90	85	88
7	118	46	92	75	60	68	84	72	81	95	86	92
8	121	107	113	85	75	83	91	82	88	95	90	93
9	125	113	119	89	83	88	94	87	91	97	89	94
10	131	118	127	92	85	90	99	54	87	96	89	93
11	135	120	131	97	54	69	57	41	48	99	89	95
12	129	116	123	76	57	68	72	56	64	99	91	96
13	124	115	120	85	75	82	76	54	64	99	90	96
14	123	111	118	94	83	91	69	56	63	101	91	97
15	123	48	95	99	90	96	77	69	75	105	91	99
16	61	45	50	96	46	56	84	77	82	108	93	102
17	79	61	72	68	47	57	87	82	86	102	96	99
18	96	78	90	80	68	75	89	82	87	103	93	100
19	102	89	97	88	80	86	96	84	89	103	96	100
20	105	75	96	94	87	93	96	51	60	103	94	100
21	102	79	84	94	71	81	75	62	71	101	95	98
22	101	81	95	84	73	80	82	75	80	101	93	96
23	112	93	103	91	84	88	87	80	85	103	89	98
24	114	99	107	95	91	93	88	32	53	107	96	103
25	112	102	108	96	92	94	57	32	46	108	101	105
26	114	102	109	101	91	97	69	57	64	104	98	101
27	115	103	108	100	91	97	75	69	73	102	95	99
28	115	52	98	101	93	98	79	74	78	108	95	101
29	65	44	52	101	94	98	82	77	80	110	89	100
30	80	65	74	101	94	98	84	79	82	91	63	73
31	94	80	90	---	---	---	94	76	85	81	69	75
MONTH	135	44	102	---	---	---	110	32	77	110	63	93

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00 DATUM 909.71 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	106	79	89	81	74	79	99	83	90	102	91	98
2	106	97	100	84	79	82	95	86	92	104	94	99
3	99	92	96	86	81	84	97	87	93	103	93	98
4	102	89	96	89	83	87	96	88	93	101	94	99
5	96	87	92	92	51	87	98	89	93	119	50	91
6	99	79	94	56	33	39	95	84	90	53	37	44
7	84	60	67	61	37	52	91	82	86	55	35	44
8	81	67	76	69	61	66	91	85	89	58	52	54
9	85	79	83	74	69	72	93	87	90	66	58	63
10	84	61	73	77	71	75	91	77	87	70	66	68
11	76	67	72	82	74	80	79	66	69	72	68	70
12	84	75	82	85	78	82	80	73	78	75	70	73
13	89	81	86	86	79	84	86	79	83	79	72	77
14	89	83	87	87	80	85	87	84	85	84	75	80
15	90	84	88	93	81	85	92	84	89	105	56	75
16	93	54	72	85	80	83	97	87	93	78	60	69
17	68	55	60	91	78	83	98	90	96	86	75	83
18	78	68	74	86	74	78	98	91	95	82	55	64
19	83	75	81	91	70	79	101	90	97	77	64	70
20	86	79	84	70	38	48	98	92	96	83	77	81
21	86	80	84	66	49	59	98	82	92	89	83	87
22	85	35	57	73	66	70	88	80	84	87	46	61
23	59	36	50	79	73	77	95	84	92	70	49	61
24	72	59	67	84	76	81	99	89	96	77	70	75
25	78	72	76	88	80	86	99	59	73	86	75	81
26	85	77	81	92	83	88	74	65	69	77	61	69
27	84	68	76	94	84	90	84	74	81	86	76	82
28	74	67	70	93	86	90	90	83	87	91	84	88
29	---	---	---	93	84	90	---	---	---	96	86	92
30	---	---	---	97	81	88	---	---	---	94	88	92
31	---	---	---	87	81	85	---	---	---	97	88	93
MONTH	106	35	79	97	33	78	---	---	---	119	35	77

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STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00 DATUM 909.71 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	137	88	110	88	35	59	81	55	63	92	81	86
2	108	100	104	50	30	36	91	44	61	97	83	91
3	113	66	83	64	50	58	81	64	70	107	93	100
4	86	66	78	75	48	65	71	61	65	112	105	108
5	95	83	92	68	51	61	82	71	78	114	100	107
6	153	84	101	72	68	70	85	67	79	114	101	109
7	94	54	74	79	72	76	85	81	83	113	102	108
8	58	40	47	83	76	80	93	84	89	110	100	105
9	72	58	65	84	80	82	96	60	88	116	100	108
10	80	72	78	94	56	75	78	59	67	116	102	110
11	87	78	84	72	59	64	89	77	85	117	101	110
12	91	82	87	80	72	77	88	80	86	122	104	112
13	99	39	74	84	56	80	97	86	94	116	104	111
14	57	36	45	61	37	47	99	91	95	119	105	112
15	67	52	59	73	56	65	102	91	99	114	102	109
16	73	37	57	78	72	75	104	96	101	117	103	111
17	54	35	42	84	77	81	112	81	89	121	105	114
18	60	33	46	88	79	85	95	82	91	124	108	117
19	62	42	52	90	84	87	102	90	98	125	110	119
20	72	62	68	90	85	88	103	70	83	124	111	120
21	77	72	75	93	84	88	94	81	88	123	110	118
22	81	77	80	91	70	83	101	89	97	122	66	107
23	89	80	84	70	59	65	106	94	101	79	53	62
24	90	83	87	79	68	75	107	98	104	86	69	81
25	94	85	90	89	78	85	107	99	103	---	---	---
26	95	87	92	92	83	88	112	99	105	101	91	97
27	95	89	92	101	86	92	117	102	110	108	92	101
28	109	79	86	92	86	90	119	103	108	119	76	85
29	84	78	82	97	87	93	114	101	106	94	77	87
30	93	81	87	99	65	81	114	85	103	103	89	97
31	---	---	---	83	65	76	90	64	75	---	---	---
MONTH	153	33	77	101	30	75	119	44	89	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00 DATUM 909.71 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.4	20.5	20.9	14.4	13.0	13.6	8.4	6.5	7.5	10.5	9.0	9.9
2	21.8	20.7	21.3	13.0	12.2	12.5	6.5	5.6	6.0	10.7	10.4	10.5
3	22.0	20.9	21.5	12.4	12.0	12.2	7.3	6.1	6.6	10.7	8.2	9.7
4	21.8	21.1	21.5	---	---	---	7.9	7.1	7.6	8.2	6.4	7.0
5	22.4	21.3	21.8	---	---	---	7.1	4.8	5.5	7.0	6.0	6.5
6	22.3	21.4	21.9	13.2	12.7	12.9	6.5	6.0	6.3	7.1	6.5	6.8
7	22.2	21.6	21.9	12.8	11.6	12.0	6.2	5.4	5.8	6.5	5.5	5.8
8	21.6	20.0	20.8	11.7	10.9	11.4	5.9	5.2	5.6	6.4	5.3	5.8
9	20.0	18.5	19.0	13.2	11.4	12.1	7.1	5.9	6.5	8.7	6.4	7.4
10	18.5	18.3	18.4	15.7	13.2	14.4	7.4	7.1	7.2	9.6	8.7	9.3
11	19.5	18.5	19.0	16.8	15.7	16.4	8.1	7.1	7.5	8.7	6.0	7.2
12	20.4	19.2	19.8	16.6	15.3	16.1	8.7	8.1	8.3	6.0	4.9	5.2
13	21.2	20.3	20.7	15.3	12.8	13.9	8.7	8.0	8.3	5.1	4.7	4.8
14	20.7	19.0	19.8	12.8	11.4	11.8	8.2	7.3	7.8	5.3	4.4	4.9
15	19.0	14.9	16.9	11.7	10.6	11.1	7.3	6.4	6.8	5.3	4.8	5.1
16	16.4	15.0	15.7	12.8	11.7	12.6	7.6	6.5	7.0	4.8	4.3	4.5
17	16.3	14.6	15.3	12.4	10.4	11.5	8.4	7.6	8.0	4.5	3.7	4.2
18	14.6	13.7	14.1	10.4	9.1	9.6	8.6	8.2	8.4	3.7	2.5	2.8
19	14.4	13.5	14.0	10.4	9.6	10	9.6	8.5	8.8	3.0	2.2	2.6
20	16.4	14.2	14.9	11.1	10.3	10.6	10.6	9.6	10.2	4.7	2.7	3.4
21	16.8	15.7	16.4	12.1	11.1	11.6	9.7	7.4	8.1	8.1	4.7	6.5
22	16.7	16.2	16.6	12.1	9.9	11.1	8.3	7.0	7.6	9.4	8.1	8.9
23	16.2	15.7	15.9	9.9	8.5	8.9	8.3	7.6	8.1	8.8	4.3	6.9
24	16.1	15.5	15.8	9.1	8.0	8.6	8.7	7.7	8.0	4.3	2.0	2.7
25	16.0	15.6	15.8	9.5	8.7	9.2	7.8	6.9	7.5	3.0	1.8	2.4
26	16.1	15.5	15.8	10.0	8.8	9.3	6.9	5.7	6.0	4.4	3.0	3.8
27	16.7	15.9	16.3	10.3	9.3	10.0	5.9	5.2	5.5	4.4	3.7	4.1
28	18.9	16.7	17.5	9.3	7.1	8.0	5.8	5.1	5.6	4.5	3.1	3.8
29	18.4	17.5	18.1	7.1	6.3	6.7	6.6	5.6	6.1	7.3	4.5	5.8
30	17.5	16.2	16.8	8.5	6.9	7.8	7.2	6.2	6.7	8.5	7.3	8.2
31	16.2	14.4	15.2	---	---	---	9.3	7.2	8.0	8.4	8.1	8.3
MONTH	22.4	13.5	18.0	---	---	---	10.6	4.8	7.2	10.7	1.8	6.0

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00 DATUM 909.71 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.6	7.7	8.1	10.4	9.9	10.1	12.9	10.5	11.7	19.2	18.4	18.8
2	8.4	7.3	7.9	10.7	9.8	10.2	14.8	12.9	13.8	19.5	18.7	19.1
3	9.2	8.0	8.5	10.5	9.3	9.8	16.0	14.3	15.2	19.0	18.2	18.5
4	10.7	9.2	10.1	10.4	8.8	9.6	16.9	15.6	16.2	18.7	17.6	18.2
5	10.0	7.7	8.6	12.6	10.4	11.1	17.1	16.5	16.8	19.8	18.5	18.9
6	7.7	6.7	7.3	12.6	12.2	12.4	16.9	15.8	16.1	18.9	18.4	18.6
7	6.7	6.1	6.4	13.0	11.4	12.2	15.8	15.0	15.4	19.1	18.1	18.5
8	6.5	5.5	5.9	13.0	11.9	12.4	15.0	13.3	14.1	19.6	18.5	18.9
9	7.0	5.4	6.1	14.0	12.2	13.0	13.3	12.1	12.5	20.3	19.3	19.7
10	7.9	7.0	7.5	13.9	12.6	13.1	12.2	11.1	11.5	20.8	19.9	20.4
11	7.5	6.2	6.8	12.9	11.3	12.1	11.5	10.4	10.9	20.9	19.5	20.4
12	7.7	6.4	7.2	13.3	11.3	12.4	13.8	11.3	12.4	19.5	18.3	18.7
13	7.7	6.6	7.3	15.0	13.1	14.0	15.3	13.6	14.4	18.3	17.5	17.9
14	7.5	7.1	7.3	15.1	13.8	14.6	15.9	14.5	15.3	17.9	17.3	17.5
15	9.5	7.4	8.2	13.8	12.3	12.7	17.0	15.7	16.3	18.1	17.0	17.5
16	10.0	6.7	8.8	13.5	12.1	12.7	17.2	16.4	16.8	19.1	17.9	18.4
17	6.7	6.0	6.2	13.6	13.3	13.4	17.2	16.9	17.1	19.3	19.1	19.2
18	7.1	6.1	6.6	13.8	13.4	13.5	17.0	16.2	16.8	19.2	17.7	18.1
19	7.8	6.5	7.1	14.2	13.8	14.0	16.2	15.4	15.8	17.8	16.4	16.9
20	9.7	7.8	8.7	14.1	12.7	13.0	15.9	15.8	15.9	16.6	16.0	16.3
21	9.9	9.7	9.8	15.0	12.7	13.6	16.9	15.8	16.1	17.3	16.6	16.9
22	12.2	9.8	10.8	15.0	13.7	14.2	16.8	15.9	16.3	17.7	17.3	17.5
23	11.5	10.0	10.5	14.1	13.2	13.7	15.9	14.9	15.4	18.4	17.2	17.6
24	10.8	9.3	10	14.3	12.8	13.7	15.3	14.7	14.9	18.8	18.1	18.4
25	10.9	10.2	10.6	15.1	13.3	14.3	15.8	14.6	15.1	19.4	18.1	18.6
26	10.5	8.8	9.6	16.1	14.5	15.4	16.7	15.6	16.1	19.7	19.0	19.4
27	8.8	7.5	8.0	17.0	15.7	16.4	17.0	16.1	16.6	19.5	18.5	18.8
28	10.0	7.5	8.5	17.1	16.4	16.8	17.5	16.6	17.0	18.6	17.7	18.3
29	---	---	---	16.8	15.5	16.3	---	---	---	18.8	18.0	18.4
30	---	---	---	15.5	12.5	13.8	---	---	---	18.6	17.8	18.3
31	---	---	---	12.5	10.7	11.5	---	---	---	19.2	18.2	18.7
MONTH	12.2	5.4	8.2	17.1	8.8	13.1	---	---	---	20.9	16.0	18.4

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00 DATUM 909.71 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.5	18.7	19.1	22.0	20.6	21.1	23.6	23.1	23.4	24.3	23.9	24.1
2	19.0	18.2	18.6	21.2	20.4	20.7	23.6	23.0	23.4	24.1	23.6	23.9
3	19.6	18.4	19.1	21.7	20.4	20.9	23.8	22.9	23.4	24.2	23.4	23.8
4	20.7	19.6	20.1	22.4	21.4	21.8	23.3	22.7	22.9	24.4	23.6	24.0
5	20.5	19.6	20.0	22.2	21.5	21.8	23.5	22.7	23.1	23.6	23.0	23.3
6	20.4	19.5	19.7	22.0	21.5	21.8	24.0	22.9	23.4	23.0	22.2	22.7
7	21.6	20.0	20.6	22.2	21.6	21.9	22.9	22.1	22.5	22.2	21.0	21.6
8	22.0	21.0	21.4	22.8	22.0	22.4	23.3	22.5	22.9	21.2	20.4	20.8
9	21.5	20.4	20.8	23.5	22.6	23.1	23.9	22.4	22.9	21.1	20.0	20.6
10	20.9	20.0	20.5	24.0	22.8	23.3	23.6	22.9	23.2	21.2	20.2	20.7
11	21.8	20.8	21.2	22.9	22.3	22.6	23.2	22.6	22.9	21.2	20.2	20.6
12	22.1	21.4	21.7	23.2	22.4	22.9	23.0	22.3	22.6	21.0	19.9	20.4
13	22.8	21.3	21.8	23.3	22.4	23.0	23.0	22.4	22.6	20.7	19.3	20.1
14	22.1	21.5	21.7	22.9	21.7	22.3	23.5	22.5	23.0	20.9	19.8	20.4
15	22.2	21.4	21.7	22.7	21.8	22.3	24.1	23.3	23.7	21.7	20.6	21.1
16	22.7	21.5	22.1	22.9	22.3	22.6	24.4	23.8	24.0	21.3	20.3	20.8
17	22.2	21.5	21.9	22.9	22.1	22.5	24.0	23.1	23.7	20.8	19.8	20.3
18	22.0	21.3	21.8	23.1	22.4	22.7	24.2	23.4	23.7	20.1	18.9	19.6
19	21.8	21.3	21.6	23.3	22.5	22.9	24.3	23.7	24.0	20.2	18.9	19.6
20	21.7	21.0	21.4	23.7	22.9	23.3	24.5	23.8	24.1	20.7	19.3	20.0
21	21.5	20.1	20.6	23.8	23.3	23.5	24.3	23.7	24.0	20.9	19.7	20.3
22	20.4	19.4	20.0	23.6	22.8	23.1	24.6	23.7	24.0	22.5	20.7	21.1
23	20.7	19.7	20.3	23.2	22.6	22.8	24.8	23.8	24.2	21.7	20.5	21.0
24	21.5	20.5	21.0	22.6	21.6	22.1	24.6	23.8	24.2	20.5	19.6	19.9
25	21.9	20.9	21.5	22.1	21.4	21.8	24.4	23.7	24.0	---	---	---
26	21.9	21.3	21.6	22.9	21.9	22.4	24.5	23.3	23.8	---	---	---
27	21.6	21.3	21.5	23.2	22.4	22.8	24.6	23.5	24.0	20.4	19.3	19.9
28	21.4	20.9	21.3	23.9	22.9	23.4	25.0	23.8	24.2	20.2	18.8	19.9
29	22.3	21.3	21.7	24.4	23.6	24.0	24.2	23.6	23.9	18.8	16.5	17.5
30	22.2	21.9	22.1	24.0	23.2	23.7	25.2	23.4	23.9	16.5	15.3	15.9
31	---	---	---	24.2	22.9	23.4	24.3	23.6	24.0	---	---	---
MONTH	22.8	18.2	20.9	24.4	20.4	22.5	25.2	22.1	23.5	---	---	---

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STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00 DATUM 909.71 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20	11	15	38	18	21	---	---	---	193	44	97
2	19	9.1	14	21	13	16	---	---	---	76	27	40
3	15	9.5	12	29	11	17	---	---	---	72	31	41
4	16	9.9	12	---	---	---	---	---	---	50	21	29
5	19	10	13	---	---	---	---	---	---	34	16	22
6	16	9.1	12	218	119	184	---	---	---	37	14	19
7	1000	12	54	119	45	68	---	---	---	33	15	24
8	28	13	16	48	29	35	---	---	---	33	11	20
9	23	12	14	33	24	27	---	---	---	---	---	---
10	24	11	13	28	18	22	369	11	15	---	---	---
11	33	12	16	452	21	187	366	113	206	21	14	17
12	36	12	22	166	52	77	113	51	73	---	---	---
13	41	12	18	54	28	35	239	47	134	---	---	---
14	30	9.4	11	31	16	21	134	45	69	---	---	---
15	658	12	70	38	14	18	47	27	34	---	---	---
16	305	103	182	467	32	210	29	17	22	19	8.5	12
17	103	41	59	161	69	134	26	17	20	24	13	18
18	42	22	25	77	34	47	23	15	18	18	11	13
19	29	19	21	38	22	29	86	13	16	16	11	12
20	274	16	22	48	19	26	588	74	207	13	8.0	12
21	236	38	57	220	36	104	110	30	48	15	9.6	11
22	40	17	20	---	---	---	31	22	25	25	12	18
23	22	10	15	---	---	---	26	15	19	18	8.7	12
24	17	8.9	13	---	---	---	487	18	308	17	12	14
25	19	11	13	---	---	---	430	122	188	18	10	12
26	15	9.5	11	20	8.2	12	126	63	82	14	9.5	11
27	13	9.1	10	19	8.3	12	66	44	52	14	9.6	11
28	>1100	9.4	11	22	9.8	12	50	36	40	14	7.6	10
29	835	144	255	16	11	12	41	29	34	84	8.4	12
30	144	43	76	22	11	14	33	25	28	382	78	162
31	44	23	29	---	---	---	79	20	23	87	27	48
MAX	1100	144	255	---	---	---	---	---	---	---	---	---
MIN	13	8.9	10	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00 DATUM 909.71 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	29	14	18	47	27	35	20	12	15	20	14	16
2	19	11	14	48	20	27	19	12	14	49	15	18
3	18	8.8	13	35	18	25	32	11	15	34	16	20
4	56	11	30	30	14	23	36	12	17	83	16	22
5	---	---	---	699	15	18	46	15	24	544	15	19
6	86	12	18	838	293	507	141	14	25	605	235	365
7	282	66	132	388	134	194	65	20	30	640	180	237
8	69	23	34	136	62	80	25	13	17	232	100	153
9	25	16	20	67	43	50	28	16	20	100	52	70
10	152	17	80	49	34	41	177	19	25	55	34	42
11	75	24	43	39	26	31	276	41	88	47	31	35
12	29	16	18	31	23	26	46	19	26	45	27	31
13	26	14	18	31	22	25	24	15	19	31	23	26
14	22	12	16	32	21	26	25	14	18	27	21	25
15	23	13	15	70	24	40	23	13	17	727	23	141
16	372	14	105	47	18	26	23	14	18	240	52	90
17	282	49	110	93	17	28	---	---	---	69	40	47
18	52	27	42	87	35	52	---	---	---	839	43	243
19	37	20	25	363	32	76	20	12	14	206	62	102
20	44	16	21	492	140	324	20	12	15	63	37	45
21	33	17	21	190	70	110	183	14	18	41	30	34
22	851	24	406	91	40	63	217	29	63	633	36	217
23	403	123	202	56	31	44	30	15	19	181	68	112
24	124	59	80	46	22	36	23	14	16	68	42	51
25	62	40	47	---	---	---	452	15	187	106	32	41
26	66	31	36	---	---	---	142	45	85	544	75	158
27	130	53	83	26	18	21	53	22	30	75	39	51
28	112	39	67	28	17	23	27	17	21	54	28	37
29	---	---	---	25	17	21	---	---	---	39	26	29
30	---	---	---	44	20	33	---	---	---	113	26	30
31	---	---	---	31	16	19	---	---	---	59	25	30
MAX	---	---	---	---	---	---	---	---	---	839	235	365
MIN	---	---	---	---	---	---	---	---	---	20	14	16

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STATION NUMBER 02334885 SUWANEE CREEK AT SUWANEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 340156 LONGITUDE 0840522 NAD27 DRAINAGE AREA 47.00 CONTRIBUTING DRAINAGE AREA 47.00 DATUM 909.71 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	106	28	33	479	38	253	1110	94	311	59	37	48
2	32	20	24	520	185	331	1600	83	282	41	25	34
3	528	24	200	185	85	124	343	76	142	43	21	27
4	216	43	68	1240	67	85	397	96	176	29	16	21
5	49	27	35	473	90	162	119	54	62	26	16	19
6	325	21	46	125	59	77	225	51	77	28	17	19
7	956	52	152	60	43	50	94	42	55	26	14	18
8	1240	176	327	116	35	44	108	32	37	27	13	18
9	176	72	111	261	42	70	1850	28	34	26	10	17
10	80	53	62	>2200	74	177	>2200	60	138	26	10	16
11	54	38	44	543	138	243	80	35	49	27	12	18
12	43	29	34	164	63	83	216	44	53	29	12	16
13	692	35	47	751	44	58	46	28	34	27	11	16
14	626	146	255	1260	193	454	46	30	36	25	12	16
15	514	83	185	195	86	126	38	22	28	34	10	15
16	669	65	150	213	58	80	29	20	26	30	9.4	13
17	414	166	297	99	48	59	190	28	105	20	9.4	12
18	466	133	312	86	40	48	100	29	35	24	9.4	12
19	284	122	190	276	39	48	36	20	25	21	9.6	12
20	122	77	99	50	31	39	269	26	99	34	9.7	14
21	91	49	60	78	28	37	65	27	39	29	8.7	12
22	52	38	43	928	36	74	32	21	26	746	12	14
23	70	34	38	530	96	198	33	17	22	1050	96	256
24	70	33	39	142	45	64	27	17	21	97	35	47
25	60	28	34	47	33	36	28	15	20	---	---	---
26	41	26	31	39	27	32	33	12	18	---	---	---
27	99	29	33	37	26	30	25	11	17	33	16	23
28	146	39	76	33	23	28	50	12	18	462	22	181
29	63	27	36	39	18	24	34	13	20	96	32	44
30	75	23	29	508	24	134	196	17	42	37	13	20
31	---	---	---	983	40	87	312	55	168	---	---	---
MAX	1240	176	327	2200	193	454	2200	96	311	---	---	---
MIN	32	20	24	33	18	24	25	11	17	---	---	---

> Actual value is known to be greater than the value shown

APALACHICOLA RIVER BASIN
2003 Water Year

02334885 SUWANEE CREEK NEAR SUWANEE, GA

LOCATION.—Lat 34°01'56", long 84°05'22" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03130001, 20.0 feet upstream of US 23 bridge, 1.7 miles southwest of Suwanee, 3.1 miles upstream of the Chattahoochee River, 0.2 miles upstream of Bennett Creek, and 0.65 miles downstream of Mill Creek.

DRAINAGE AREA.—47.0 square miles.

COOPERATION.—Atlanta Regional Commission, Gwinnett County Department of Public Utilities.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 16, 1976 to current year.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory and Missouri District Water Quality Laboratory. Field values with analyzing agency code 1028 are median values of cross-section field data at the time of sample collection. Field determinations of discharge, specific conductance, pH, water temperature, air temperature, dissolved oxygen, and turbidity by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Hydro-logic condi-tion	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Sam-pling method, code (82398)	Tur-bidity, NTU (00076)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Hard-ness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
OCT													
24...	0755	--	9	9	81213	1.55	24	10	14	6.9	102	31	9.10
NOV													
16-16	0015	1045	A	J	81213	--	--	55	220	6.9	66	20	5.50
DEC													
10-11	1630	0111	A	J	81213	--	--	55	160	6.9	64	19	5.40
17...	1000	--	9	9	81213	1.97	81	10	13	6.5	91	27	7.70
FEB													
13...	1045	--	9	9	81213	1.91	64	10	13	7.1	93	25	7.20
16-17	1030	0115	A	J	81213	--	--	55	200	6.5	65	17	5.00
APR													
01...	1415	--	9	9	81213	1.91	64	--	--	--	--	26	7.40
MAY													
15-15	0920	2045	A	J	81213	--	--	55	300	6.6	69	21	5.90
JUN													
02...	1245	--	9	9	81213	1.74	50	10	15	7.2	109	31	8.80
13-14	1550	0018	A	J	81213	--	--	55	420	6.1	46	12	3.40
JUL													
28...	1010	--	9	9	81213	1.80	55	10	21	7.3	94	27	7.80
AUG													
20-20	0415	1030	A	J	81213	--	--	55	160	6.6	79	23	6.50

02334885 SUWANEE CREEK NEAR SUWANEE, GA —continued.

Date	Magnes-ium, water, fltrd, mg/L (00925)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Residue vola-tile, sus-pended, mg/L (00535)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, unfltrd mg/L (00600)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)
OCT													
24...	1.90	71	8	4	.20	.068	.64	.670	<.02	<.02	.87	.3	<5
NOV													
16-16	1.40	41	195	25	.90	.078	.43	.450	<.02	.23	1.4	E4.4	12
DEC													
10-11	1.40	44	177	25	1.2	.118	.44	.460	<.02	.21	1.7	2.6	8
17...	1.80	58	8	3	.50	.130	.67	.680	<.02	<.02	1.2	.5	<5
FEB													
13...	1.70	64	6	3	.30	.089	.88	.900	<.02	.02	1.2	.7	<5
16-17	1.20	42	255	30	1.0	.093	.51	.550	<.02	.29	1.6	2.5	8
APR													
01...	1.90	63	16	4	.40	.158	.80	.800	<.02	<.02	1.2	1.0	<5
MAY													
15-15	1.40	48	313	44	1.2	.120	.52	.530	<.02	.30	1.7	4.5	12
JUN													
02...	2.10	76	23	5	.20	.040	.39	.690	<.02	.02	.89	.9	<5
13-14	.90	28	268	35	.80	.096	.32	.320	<.02	.25	1.1	2.5	12
JUL													
28...	1.90	74	23	11	.30	A.060	.64	.640	<.02	.02	.94	.9	<5
AUG													
20-20	1.70	58	175	21	.80	A.140	.50	.500	<.02	.15	1.3	3.5	16

Date	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Zinc, water, unfltrd recover-able, ug/L (01092)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sampler type, code (84164)
OCT									
24...	<.5	<1	<2	<2	373	5	--	22	3044
NOV									
16-16	<.5	7	7	7	572	34	44	473	4115
DEC									
10-11	<.5	6	6	6	482	29	37	406	4115
17...	<.5	<1	2	<2	415	10	--	10	--
FEB									
13...	<.5	<1	<2	<2	392	6	--	8	3044
16-17	<.5	6	6	7	468	29	48	392	4115
APR									
01...	<.5	<1	<2	<2	410	5	--	18	--
MAY									
15-15	<.5	9	9	9	796	42	81	381	4115
JUN									
02...	<.5	<1	<2	<2	331	4	--	26	3044
13-14	<.5	9	10	10	522	34	81	361	4115
JUL									
28...	<.5	<1	<2	<2	284	3	--	21	3044
AUG									
20-20	<.5	6	6	6	847	32	85	196	4115

02334885 SUWANEE CREEK NEAR SUWANEE, GA —continued.

Date	Time	Ending time	Hydrologic condition	Hydrologic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT													
24...	0805	--	A	9	1028	1.54	24	40	13	8.6	87	6.8	100
NOV													
16-16	1135	1137	A	J	1028	6.16	509	40	240	9.2	--	6.7	51
25...	1315	--	A	9	80020	1.85	60	10	2.7	10.0	88	7.0	105
DEC													
10-10	2008	2010	A	J	1028	3.85	216	40	--	10.8	92	6.8	59
17...	1015	--	9	9	1028	--	--	40	16	10.5	90	6.4	89
JAN													
17...	1230	--	A	9	80020	1.85	59	10	12	--	--	6.1	97
FEB													
13...	1055	--	9	9	1028	1.88	64	40	15	11.1	92	6.9	93
16-16	1500	1505	A	J	1028	4.11	391	40	260	9.8	84	7.2	70
MAR													
11...	1100	--	A	9	80020	2.08	80	10	20	--	127	6.8	82
APR													
01...	1420	--	A	9	1028	1.91	64	40	13	10.4	97	7.1	90
28...	1100	--	A	9	1028	1.86	60	--	--	7.5	79	6.9	90
MAY													
15-15	1420	1425	A	J	1028	4.05	385	40	220	8.0	86	7.0	77
27...	1300	--	A	9	80020	2.16	88	10	31	7.5	82	7.0	81
JUN													
02...	1310	--	A	9	1028	1.74	50	40	22	8.1	89	7.1	104
14...	1445	--	5	J	1028	5.29	519	10	190	7.1	82	5.8	48
JUL													
08...	1530	--	A	9	80020	1.84	98	10	28	7.4	87	6.8	90
28...	1045	--	9	9	1028	1.80	55	40	25	7.1	85	7.1	92
AUG													
20-20	0840	0850	A	J	1028	2.69	185	40	210	E5.6	--	6.1	83
SEP													
15...	1500	--	A	9	80020	1.45	28	10	15	7.1	83	7.3	106

Date	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Sampler type, code (84164)
OCT			
24...	17.5	15.4	--
NOV			
16-16	--	12.6	--
25...	--	9.0	3045
DEC			
10-10	5.5	7.1	--
17...	12.2	7.7	8000
JAN			
17...	--	4.3	3045
FEB			
13...	9.5	6.6	8000
16-16	--	8.5	--
MAR			
11...	14.0	11.3	3045
APR			
01...	25.0	12.0	8000
28...	--	16.7	--
MAY			
15-15	--	17.6	8000
27...	--	18.5	3045
JUN			
02...	32.1	18.5	8000
14...	27.6	21.7	--
JUL			
08...	--	22.4	3045
28...	29.0	23.2	8000
AUG			
20-20	--	24.0	8000
SEP			
15...	26.5	21.5	3045

02334885 SUWANEE CREEK NEAR SUWANEE, GA —continued.

Remark codes used in this report:
   < -- Less than
   > -- Greater than
   A -- Average value
   E -- Estimated value
   S -- Most probable value

Value qualifier codes used in this report:
   a -- Value was extrapolated above
   f -- Sample field preparation problem
   l -- Sample lab preparation problem
   q -- Insufficient sample received

APALACHICOLA RIVER BASIN
2003 Water Year

02334885 SUWANEE CREEK NEAR SUWANEE, GA

LOCATION.—Lat 34°01'56", long 84°05'22" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03130001, 20 feet upstream of US 23 bridge, 1.7 miles southwest of Suwanee, 3.1 miles upstream of the Chattahoochee River, 0.2 miles upstream of Bennett Creek, and 0.65 miles downstream of Mill Creek.

DRAINAGE AREA.—47.0 square miles (revised).

COOPERATION.—Atlanta Regional Commission, Gwinnett County Department of Public Utilities U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---August 1976, May 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
NOV													
25...	1315	9	80020	1.85	60	10	2.7	746	10.0	88	7.0	105	9.0
JAN													
17...	1230	9	80020	1.85	59	10	12	747	--	--	6.1	97	4.3
MAR													
11...	1100	9	80020	2.08	80	10	20	740	--	--	6.8	82	11.3
MAY													
27...	1300	9	80020	2.16	88	10	31	744	7.5	82	7.0	81	18.5
JUL													
08...	1530	9	80020	1.84	98	10	28	748	7.4	87	6.8	90	22.4
SEP													
15...	1500	9	80020	1.45	28	10	15	737	7.1	83	7.3	106	21.5

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)
NOV													
25...	5.53	9.1	.24	.13	.10	--	--	.88	--	E.006	.14	<.02	.02
JAN													
17...	6.33	7.3	.27	--	<.04	--	--	1.53	--	<.008	--	<.02	.12
MAR													
11...	3.73	7.7	.36	.27	.21	2.57	.58	.59	.039	.012	.15	<.02	.03
MAY													
27...	3.80	6.8	.45	.16	.12	2.13	.48	.50	.053	.016	.32	<.02	.08
JUL													
08...	4.09	6.5	.27	--	E.04	--	--	.51	--	E.004	--	<.02	.09
SEP													
15...	5.60	5.1	.14	--	<.04	--	--	.78	--	E.005n	--	<.18d	.02

02334885 SUWANEE CREEK NEAR SUWANEE, GA—continued.

Date	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor-ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naph-thol, water, fltrd 0.7u GF ug/L (49295)	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino] propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)
NOV													
25...	.017	1.1	.3	<.1	.3	1.9	52	<.09	<.006	<.1	<.005	<.006	<.004
JAN													
17...	.038	1.8	.6	<.1	.6	1.5	45	<.09	<.006	<.1	<.005	<.006	<.004
MAR													
11...	.031	.96	.2	<.1	.2	1.8	89	<.09	<.006	<.1	<.005	E.005	<.004
MAY													
27...	.061	.95	.8	<.1	.8	2.7	350	M	<.006	<.1	<.005	E.005	<.004
JUL													
08...	.043	.78	1.0	<.1	1.0	2.4	190	<.09	<.006	<.1	<.005	<.006	<.004
SEP													
15...	.025	.92	.1	<.1	.1	1.7	180	<.09	<.006	<.1	<.005	<.006	<.004

Date	3,4-Di-chloro-aniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	Cyflu-thrin, water, fltrd, ug/L (61585)
NOV													
25...	<.004	<.006	<.006	<.004	<.007	<.02	<.050	<.010	E.005	<.06	<.005	<.006	<.008
JAN													
17...	<.004	<.006	<.006	<.004	.032	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008
MAR													
11...	<.006	E.003	<.006	<.004	.041	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008
MAY													
27...	<.007	<.006	<.006	<.004	.013	<.02	<.050	<.010	E.025	<.06	<.005	<.006	<.008
JUL													
08...	<.004	<.006	<.006	<.004	E.004	<.12	<.050	<.010	E.028n	<.06	<.005	<.006	<.008
SEP													
15...	.008	<.006	<.006	<.004	<.007	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008

Date	Cyper-methrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diaz-inon oxon, water, fltrd, ug/L (61638)	Diazi-non, water, fltrd, ug/L (39572)	Dicro-tophos, water fltrd, ug/L (38454)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)
NOV													
25...	<.009	<.003	<.004	--	.007	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03
JAN													
17...	<.009	<.003	<.004	<.04	E.003	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03
MAR													
11...	<.009	<.003	<.004	<.04	.014	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03
MAY													
27...	<.009	<.003	<.004	<.01	.036	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03
JUL													
08...	<.009	<.003	<.004	<.01	.008	<.08	<.005	<.006	<.03	<.004	<.008	<.12	<.03
SEP													
15...	<.009	<.003	<.004	<.01	<.005	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03

02334885 SUWANEE CREEK NEAR SUWANEE, GA—continued.

Date	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexa-zinone, water, fltrd, ug/L (04025)	Ipro-dione, water, fltrd, ug/L (61593)	Isofen-phos, water, fltrd, ug/L (61594)	Mala-oxon, water, fltrd, ug/L (61652)	Mala-thion, water, fltrd, ug/L (39532)	Meta-laxyl, water, fltrd, ug/L (61596)	Methi-althion water, fltrd, ug/L (61598)
NOV													
25...	<.009	<.005	<.005	<.007	<.002	<.003	--	<1	<.003	<.008	<.027	<.005	<.006
JAN													
17...	<.009	<.005	<.005	E.007	<.002	<.003	--	<1	<.003	<.008	<.027	<.005	<.006
MAR													
11...	<.009	<.005	<.005	<.007	<.002	<.003	--	<1	<.003	<.008	<.027	<.005	<.006
MAY													
27...	<.009	<.005	<.006	E.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006
JUL													
08...	<.009	<.005	<.005	E.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006
SEP													
15...	<.009	<.005	<.005	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006

Date	Methyl para-oxon, water, fltrd, ug/L (61664)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Myclo-butanil water, fltrd, ug/L (61599)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prome-ton, water, fltrd, ug/L (04037)	Prome-tryn, water, fltrd, ug/L (04036)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)
NOV													
25...	<.03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	M	<.005	<.004
JAN													
17...	<.03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	M	<.005	<.004
MAR													
11...	<.03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004
MAY													
27...	<.03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005	<.004
JUL													
08...	<.03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01n	<.005	<.004
SEP													
15...	<.03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	Mt	<.005	<.004

Date	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Ter-bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Ter-buthyl-azine, water, fltrd, ug/L (04022)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Di-chlor-vos, water fltrd, ug/L (38775)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
NOV											
25...	.396	<.02	<.07	<.02	<.01	<.009	<.01	96	9	15.00	3045
JAN											
17...	.199	<.02	<.07	<.02	<.01	<.009	<.01	94	10	15.00	3045
MAR											
11...	.067	.04	<.07	<.02	<.01	<.009	<.01	96	17	15.00	3045
MAY											
27...	.022	<.02	<.07	<.02	<.01	<.009	<.01	95	32	15.00	3045
JUL											
08...	.009	<.02	<.07	<.02	<.01	<.009	<.01	95	28	15.00	3045
SEP											
15...	.008	<.02	<.07	<.02	<.01	<.009	<.01	92	2	15.00	3045

02334885 SUWANEE CREEK NEAR SUWANEE, GA—continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
APR								
28...	1100	D	4.1	91	94.90	.5	5.8	280

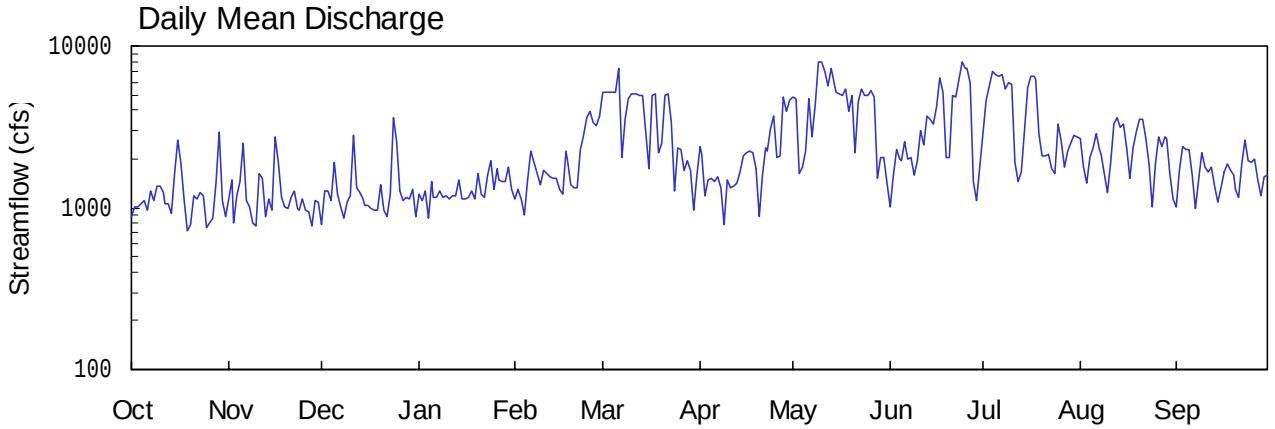
Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

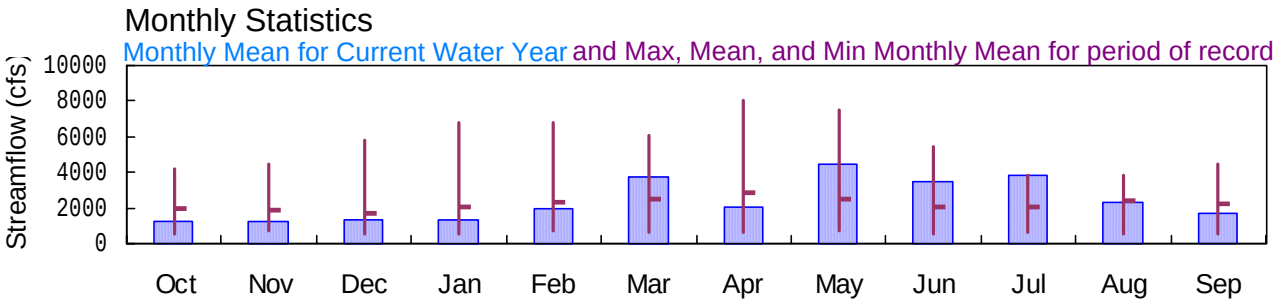
Value qualifier codes used in this report:
   d -- Diluted sample: method hi range exceeded
   n -- Below the NDV
   t -- Below the long-term MDL

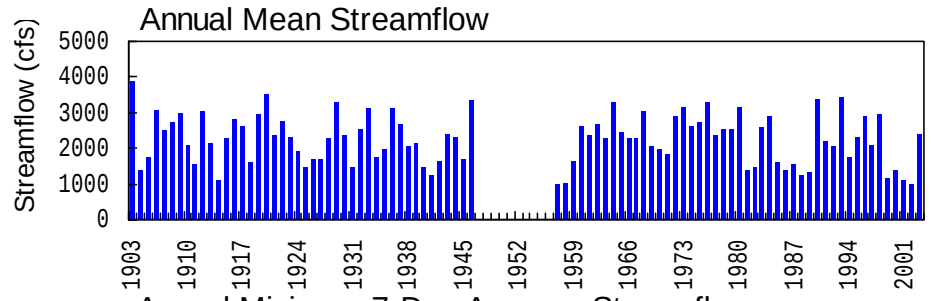
2003 Water Year

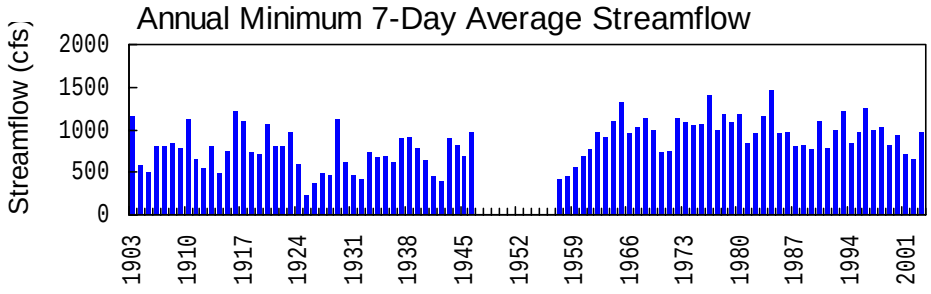
02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA

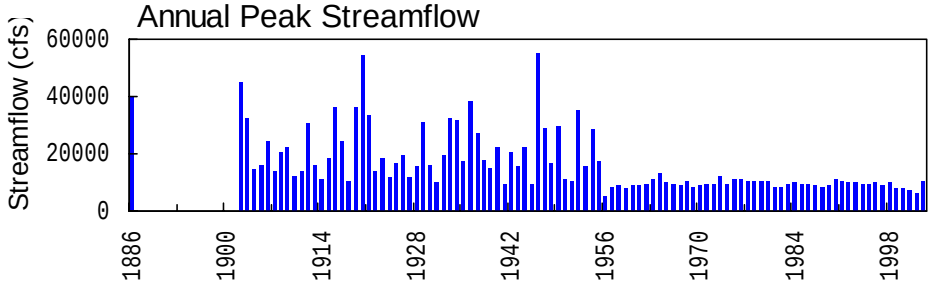
Latitude: 33°59'50" Longitude: 084°12'07" Hydrologic Unit Code: 03130001 Gwinnett County
Drainage Area: 1170. mi^2 Datum: 878.1 feet

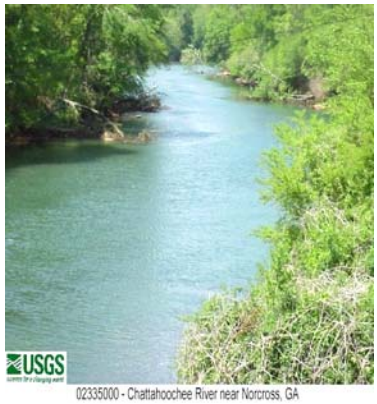












APALACHICOLA RIVER BASIN
2003 Water Year

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA

LOCATION.—Lat 33°59'50", long 84°12'07" referenced to North American Datum (NAD) of 1983, Gwinnett-Fulton County line, Hydrologic Unit 03130001, on downstream side of right bank pier of bridge on GA 141, 1.5 miles upstream from Johns Creek, 4.5 miles north of Norcross, 6.5 miles downstream from Suwanee Creek, 18.0 miles downstream from Buford Dam, and at mile 330.8.

DRAINAGE AREA.—1,170 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District; Georgia Environmental Protection Division, Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1902 to September 1946, October 1956 to current year. Monthly discharge only for October to December 1902, published in WSP 1304. Gage-height records collected at same site 1910-33, and since 1945 are contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 878.14 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to July 13, 1955, a non-recording gage was located at a site 500 feet downstream at same datum. From July 14, 1955 to March 11, 1957, a non-recording gage was located at present site and datum.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Flow regulated by Lake Sidney Lanier since January 1956. Diversion and return flow above station regulated by Gwinnett County. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1896, is 27.70 feet, January 8, 1946, discharge, 55,000 cfs, from rating extended above 36,000 cfs on the basis of computation of peak flow over Morgan Falls Dam.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1902 to September 1946, October 1956 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 878.14 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to July 13, 1955, a non-recording gage was located at a site 500 feet downstream at same datum. From July 14, 1955 to March 11, 1957, a non-recording gage was located at present site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.65 feet, March 6; minimum gage-height recorded, 1.68 feet, September 8.

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—June 29, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00* CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	892	1130	791	1220	1130	5170	2400	4870	1010	2900	2680	1010
2	1020	1470	1270	1100	1280	5140	2130	4770	1590	4590	1780	1710
3	1010	807	1280	1260	1130	5140	1190	1640	2310	5650	1430	2420
4	1060	1190	1110	870	903	5130	1480	1780	2000	7010	2060	2280
5	1120	1450	1900	1450	1500	5170	1540	2250	1950	6670	2350	2270
6	972	2500	1220	1170	2210	7270	1460	4760	2590	6480	2890	1600
7	1260	1110	1000	1150	1890	2040	1560	2730	2010	6590	2280	992
8	1100	1000	853	1280	1640	3520	1320	4310	2020	5450	2140	e1500
9	1350	799	1080	1170	1380	4740	784	8010	1580	5900	1610	2190
10	1360	777	1200	1180	1690	5060	1490	7930	1970	5750	1230	1760
11	1240	1640	2780	1140	1620	5030	1320	6960	3030	1920	1900	1650
12	1060	1510	1320	1170	1560	5030	1350	5680	2460	1460	3300	1780
13	1070	885	1250	1180	1530	4940	1440	7320	3680	1650	3630	1370
14	927	1130	1130	1470	1530	5000	1650	6510	3540	2980	3120	1090
15	1640	962	1050	1130	1310	2910	2110	5190	3320	5550	3280	1330
16	2630	2760	1040	1120	1210	1730	2160	5020	4200	6450	2340	1660
17	1870	1930	993	1150	2250	4910	2220	5000	6330	6440	1510	1850
18	1120	1160	973	1280	1970	5100	2210	5380	5150	6180	2370	1720
19	727	1020	965	1140	1380	2180	1750	3940	2050	2890	2950	1580
20	797	1000	1400	1640	1330	2510	874	4970	2040	2090	3490	1310
21	1190	1150	963	1220	1320	4940	1610	2180	4900	2080	3510	1150
22	1130	1260	885	1150	2310	5120	2320	4550	4850	2150	2670	1880
23	1240	991	1220	1610	2820	3400	2240	5470	6190	1760	1880	2600
24	1190	971	3590	1950	3630	1270	3050	4970	7920	1640	1010	1930
25	758	1130	2550	1300	3950	2340	3670	4960	7260	3320	1880	1890
26	797	976	1270	1760	3380	2270	2040	5290	7260	2550	2720	1990
27	868	955	1110	1500	3190	1710	2080	4790	5920	1780	2420	1490
28	1410	774	1150	1450	3700	1950	4800	1510	1440	2230	2750	1190
29	2940	1100	1130	1470	---	1700	3920	2040	1100	2500	e2650	1570
30	1110	1090	1290	1790	---	967	4600	2030	1780	2830	e1640	1600
31	881	---	885	1300	---	1580	---	1410	---	2730	1130	---
TOTAL	37739	36627	40648	40770	54743	114967	62768	138220	103450	120170	72600	50362
MEAN	1217	1221	1311	1315	1955	3709	2092	4459	3448	3876	2342	1679
MAX	2940	2760	3590	1950	3950	7270	4800	8010	7920	7010	3630	2600
MIN	727	774	791	870	903	967	784	1410	1010	1460	1010	992
CFSM	1.04	1.04	1.12	1.12	1.67	3.17	1.79	3.81	2.95	3.31	2.00	1.43
IN.	1.20	1.16	1.29	1.30	1.74	3.66	2.00	4.39	3.29	3.82	2.31	1.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2003, BY WATER YEAR (WY)

MEAN	1975	1882	1699	2081	2285	2545	2848	2457	2089	2093	2375	2190
MAX	4196	4433	5778	6802	6797	6053	8042	7509	5476	3876	3875	4423
(WY)	1992	1975	1993	1993	1996	1990	1964	1964	1973	2003	1994	1967
MIN	502	698	558	529	709	647	608	696	569	598	501	523
(WY)	1958	1957	1958	1958	1957	1959	1959	1958	1957	1957	1957	1957

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1957 - 2003	
ANNUAL TOTAL	380281		873064			
ANNUAL MEAN	1042		2392		2209	
HIGHEST ANNUAL MEAN					3431	1993
LOWEST ANNUAL MEAN					971	2002
HIGHEST DAILY MEAN	3590	Dec 24	8010	May 9	11200	Apr 6 1964
LOWEST DAILY MEAN	606	Apr 27	727	Oct 19	351	Sep 1 1957
ANNUAL SEVEN-DAY MINIMUM	662	Apr 14	974	Nov 25	416	Aug 31 1957
MAXIMUM PEAK FLOW			10500	Mar 6	13200	Apr 5 1964
MAXIMUM PEAK STAGE			11.65	Mar 6	13.10	Apr 5 1964
ANNUAL RUNOFF (CFSM)	0.89		2.04		1.89	
ANNUAL RUNOFF (INCHES)	12.09		27.76		25.65	
10 PERCENT EXCEEDS	1460		5110		4450	
50 PERCENT EXCEEDS	955		1730		1610	
90 PERCENT EXCEEDS	665		1010		761	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00* CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.37	2.76	2.22	2.69	2.54	7.44	4.37	7.16	2.32	4.81	4.62	2.20
2	2.57	3.30	3.00	2.50	2.77	7.41	4.05	7.07	3.13	6.86	3.40	3.10
3	2.57	2.25	3.03	2.76	2.53	7.41	2.60	3.24	4.18	7.85	2.92	4.22
4	2.64	2.86	2.73	2.11	2.17	7.40	3.02	3.44	3.74	9.00	3.85	4.02
5	2.74	3.23	3.82	3.07	3.07	7.44	3.10	3.97	3.65	8.71	4.17	4.01
6	2.51	4.50	2.95	2.60	4.15	9.11	3.01	6.94	4.49	8.56	4.84	3.03
7	2.94	2.77	2.59	2.57	3.68	3.88	3.19	4.82	3.79	8.66	4.09	2.11
8	2.66	2.59	2.34	2.76	3.30	5.67	2.83	6.15	3.92	7.69	3.90	---
9	3.04	2.24	2.72	2.60	2.91	7.02	1.94	9.80	3.15	8.09	3.19	3.91
10	3.03	2.19	2.83	2.62	3.37	7.34	3.08	9.74	3.70	7.95	2.63	3.31
11	2.89	3.55	4.78	2.55	3.26	7.31	2.86	8.94	5.07	3.67	3.46	3.18
12	2.65	3.36	3.11	2.61	3.16	7.31	2.87	7.87	4.32	2.98	5.40	3.36
13	2.66	2.39	3.00	2.62	3.13	7.23	2.96	9.26	5.73	3.24	5.80	2.76
14	2.43	2.81	2.81	3.01	3.12	7.28	3.27	8.58	5.69	5.09	5.17	2.29
15	3.43	2.52	2.66	2.54	2.80	4.96	3.89	7.45	5.42	7.77	5.37	2.65
16	4.60	4.71	2.65	2.52	2.68	3.40	3.95	7.30	6.28	8.55	4.17	3.17
17	3.65	3.82	2.57	2.57	4.20	7.19	4.02	7.28	8.33	8.54	3.05	3.45
18	2.78	2.86	2.54	2.76	3.81	7.37	4.01	7.49	7.39	8.32	4.14	3.27
19	2.09	2.61	2.52	2.55	2.92	3.92	3.34	6.11	3.90	4.86	4.94	3.09
20	2.21	2.59	3.21	3.32	2.85	4.55	2.10	7.25	3.68	3.84	5.62	2.66
21	2.85	2.84	2.52	2.67	2.83	7.22	3.13	3.89	7.19	3.82	5.65	2.40
22	2.76	3.01	2.38	2.57	4.19	7.39	4.15	6.54	7.15	3.93	4.58	3.36
23	2.96	2.57	2.93	3.30	4.88	5.55	4.04	7.71	8.28	3.45	3.50	4.49
24	2.89	2.54	5.56	3.76	5.82	2.69	5.14	7.25	9.73	3.20	2.25	3.58
25	2.15	2.77	4.59	2.79	6.17	4.17	5.82	7.24	9.21	5.44	3.42	3.51
26	2.22	2.55	2.78	3.47	5.55	4.14	3.78	7.55	9.21	4.44	4.65	3.66
27	2.34	2.51	2.52	3.07	5.35	3.37	3.88	7.08	8.04	3.41	4.24	2.94
28	3.15	2.19	2.58	3.01	5.89	3.66	7.09	3.05	2.94	4.01	4.67	2.47
29	4.94	2.75	2.54	3.03	---	3.29	6.12	3.78	2.39	4.36	---	3.04
30	2.77	2.71	2.79	3.56	---	2.27	6.89	3.77	3.38	4.82	---	3.09
31	2.38	---	2.13	2.82	---	3.23	---	2.94	---	4.64	2.41	---
MEAN	2.83	2.88	2.95	2.82	3.68	5.73	3.82	6.47	5.31	5.82	---	---
MAX	4.94	4.71	5.56	3.76	6.17	9.11	7.09	9.80	9.73	9.00	---	---
MIN	2.09	2.19	2.13	2.11	2.17	2.27	1.94	2.94	2.32	2.98	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00* CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.00	---	0.27	0.00	0.02	0.00	0.00	0.00	---	0.00	0.00
2	---	0.00	---	0.27	0.00	0.00	0.00	0.31	0.00	---	0.00	0.01
3	---	0.36	---	0.00	0.00	0.00	0.00	0.01	1.08	0.00	1.35	0.00
4	---	0.20	---	0.00	0.33	0.04	0.01	0.00	0.03	0.35	0.00	0.00
5	0.01	2.22	---	0.00	0.00	1.23	0.19	2.91	0.00	0.04	0.40	0.00
6	0.19	0.00	---	0.00	0.81	1.47	0.28	1.66	0.43	0.00	0.89	0.00
7	0.27	0.00	---	0.00	0.05	0.00	0.12	0.54	1.06	0.00	0.19	0.00
8	0.00	0.00	---	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.01	0.00
9	0.00	0.01	---	0.21	0.16	0.00	0.30	0.01	0.00	0.00	0.00	0.00
10	0.01	0.00	---	0.06	0.42	0.00	0.30	0.00	0.00	0.27	0.01	---
11	0.03	1.58	---	0.00	0.00	0.00	0.00	0.16	0.14	0.01	0.17	---
12	0.00	0.19	---	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.06	---
13	0.01	0.00	---	0.00	0.00	0.00	0.00	0.00	0.98	0.90	0.06	0.00
14	0.01	0.00	---	0.00	0.08	0.00	0.00	0.02	0.22	0.02	0.01	0.27
15	3.07	0.69	---	0.00	0.00	0.38	0.00	0.86	0.00	0.00	0.00	0.01
16	0.05	1.57	---	0.16	1.10	0.00	0.00	0.02	1.28	0.04	0.01	0.00
17	0.00	0.00	---	0.01	0.00	0.53	0.18	0.60	0.68	0.00	0.00	0.00
18	0.00	0.00	---	0.00	0.00	0.06	0.00	1.18	1.61	0.00	0.00	0.00
19	0.00	0.07	---	0.00	0.00	0.63	0.00	0.01	0.07	0.00	0.00	0.00
20	0.52	0.41	---	0.00	0.00	0.59	0.00	0.03	0.00	0.31	0.05	0.00
21	0.01	0.36	0.00	0.10	0.17	0.00	0.27	0.46	0.00	0.01	0.00	0.00
22	0.00	0.00	0.01	0.03	1.41	0.00	0.00	1.04	0.00	0.88	0.00	2.06
23	0.00	0.00	0.11	0.00	0.01	0.00	0.00	0.00	0.00	0.97	0.00	0.01
24	0.00	0.00	2.61	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00
25	0.11	0.00	0.05	0.00	0.00	0.00	1.48	0.65	0.00	0.00	0.00	0.00
26	0.01	0.00	0.00	0.00	0.40	0.00	0.01	0.06	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.46
28	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.07	0.01
29	0.79	---	0.00	0.85	---	0.08	0.00	0.00	0.00	0.00	0.00	0.00
30	0.01	---	0.00	0.49	---	0.29	0.00	0.00	---	1.14	0.00	0.00
31	0.00	---	0.39	0.00	---	0.00	---	0.00	---	0.36	0.00	---
TOTAL	---	---	---	2.45	5.30	5.32	3.32	10.53	---	---	3.28	---

APALACHICOLA RIVER BASIN
2003 Water Year

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA

LOCATION.—Lat 33°59'50", long 84°12'07" referenced to North American Datum (NAD) of 1983, Gwinnett-Fulton County line, Hydrologic Unit 03130001, on downstream side of right bank pier of bridge on GA 141, 1.5 miles upstream from John Creek, 4.5 miles north of Norcross, 6.5 miles downstream from Suwanee Creek, 18.0 miles downstream from Buford Dam, and at mile 330.8.

DRAINAGE AREA.—1,170 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District; Georgia Environmental Protection Division, Georgia Power Corporation.

PERIOD OF RECORD.—May 24, 2002 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: May 24, 2002 to current year.
WATER TEMPERATURE: May 24, 2002 to current year.
TURBIDITY: May 24, 2002 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good, except for specific conductance and turbidity, which are fair.

EXTREMES FOR PERIOD OF RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 68 microsiemens, September 14, 2002; minimum recorded, 34 microsiemens, December 25, 2002.
WATER TEMPERATURE: Maximum recorded, 20.5°C, July 14, 2003; minimum recorded, 4.7°C, January 24, 2003.
TURBIDITY: Maximum, >1,100 NTU, on several days; minimum, <2.0 NTU, on many days.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum, 65 microsiemens, June 28; minimum, 34 microsiemens, December 25.
WATER TEMPERATURE: Maximum, 20.5°C, July 14; minimum, 4.7°C, January 24.
TURBIDITY: Maximum, >1,100 NTU, on several days; minimum, <2.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00 CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	56	54	55	55	52	53	54	50	53	56	52	54
2	---	---	---	54	51	52	54	50	52	52	51	52
3	56	52	54	54	51	53	56	51	53	54	50	52
4	55	52	53	55	51	53	58	52	54	54	50	53
5	55	52	53	56	51	54	57	51	54	55	50	51
6	55	51	53	53	49	51	56	51	53	54	50	52
7	56	51	53	55	49	53	57	54	55	54	50	52
8	53	50	51	59	55	56	57	54	56	54	49	51
9	53	50	52	56	55	56	55	53	54	55	50	52
10	52	49	51	56	56	56	57	50	55	55	50	53
11	52	49	51	56	51	54	52	45	48	55	50	53
12	52	49	51	55	53	54	53	47	51	55	50	52
13	52	49	51	56	54	55	56	53	55	54	50	52
14	51	50	50	55	52	53	56	54	55	56	48	52
15	53	48	50	55	52	53	56	54	56	55	49	52
16	53	49	50	52	49	50	56	54	55	54	50	52
17	53	49	52	55	49	52	57	53	55	55	50	53
18	52	49	51	55	54	55	56	53	55	55	49	52
19	53	50	52	56	54	55	57	53	55	55	50	52
20	52	51	51	57	55	56	56	50	54	52	49	51
21	56	51	53	60	55	58	54	49	52	55	50	52
22	54	50	51	59	55	56	54	52	53	55	50	53
23	52	50	51	57	55	56	52	49	51	52	49	50
24	51	50	51	57	55	56	52	35	43	52	48	50
25	53	51	52	57	53	55	46	34	39	53	49	51
26	54	52	53	56	54	55	50	46	48	53	48	51
27	54	51	52	57	52	54	52	49	50	54	44	49
28	52	49	51	55	52	54	52	49	51	51	44	47
29	52	49	50	54	51	53	53	49	51	51	43	47
30	56	50	54	54	50	52	53	47	50	55	45	49
31	55	55	55	---	---	---	54	48	52	50	45	48
MONTH	---	---	---	60	49	54	58	34	52	56	43	51

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00 CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	49	45	47	46	46	46	48	44	46	46	45	45
2	51	44	47	48	45	47	48	45	46	47	46	47
3	51	45	48	47	46	46	53	46	49	52	46	49
4	52	46	49	47	46	46	52	44	48	52	46	49
5	52	43	46	47	45	47	53	44	48	54	44	48
6	49	42	43	46	40	42	53	45	49	46	38	44
7	52	42	46	50	39	44	52	45	48	48	38	41
8	48	42	45	50	47	48	51	45	48	53	46	49
9	49	43	46	48	47	48	53	50	51	46	45	46
10	47	43	45	48	47	47	54	45	49	45	45	45
11	47	41	44	48	47	47	54	50	52	45	45	45
12	---	---	---	48	47	47	52	46	49	46	44	45
13	---	---	---	48	47	47	52	45	48	46	45	46
14	49	42	45	48	47	48	52	44	48	46	45	45
15	49	43	46	52	48	49	51	44	47	48	46	46
16	53	44	48	55	48	51	51	44	47	47	46	46
17	52	44	46	49	46	47	51	44	47	47	45	46
18	47	44	46	48	47	47	52	44	47	48	44	46
19	51	45	48	58	47	51	52	44	48	50	47	48
20	51	45	48	58	43	50	53	49	51	47	47	47
21	53	45	49	47	45	46	53	45	50	56	47	50
22	49	41	46	47	46	47	52	44	48	56	46	50
23	46	39	42	49	46	48	51	44	47	---	---	---
24	46	45	45	55	47	53	48	44	45	47	47	47
25	47	45	46	54	46	49	52	44	47	47	46	46
26	48	45	47	51	46	48	53	45	48	48	46	47
27	50	47	48	54	47	50	51	44	47	47	46	46
28	49	46	47	54	46	49	44	44	44	55	46	51
29	---	---	---	54	46	50	48	44	45	54	45	49
30	---	---	---	56	52	53	48	45	46	---	---	---
31	---	---	---	---	---	---	---	---	---	54	46	50
MONTH	---	---	---	---	---	---	54	44	48	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00 CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	54	48	51	60	46	55	59	52	56	54	49	51
2	55	46	51	50	38	41	64	52	56	54	46	52
3	58	46	50	52	49	51	61	54	57	51	45	47
4	53	46	49	52	51	52	63	52	58	---	---	---
5	53	46	49	52	51	51	60	52	55	---	---	---
6	52	46	48	53	51	51	59	52	55	---	---	---
7	57	46	52	52	51	51	63	52	57	---	---	---
8	54	42	44	52	51	51	62	52	56	---	---	---
9	54	46	50	51	51	51	62	52	57	---	---	---
10	53	46	49	53	51	52	61	54	59	---	---	---
11	51	45	47	60	51	57	61	52	57	---	---	---
12	61	46	53	63	53	58	58	52	54	---	---	---
13	60	52	55	62	51	57	57	52	54	49	43	47
14	54	48	52	57	45	51	60	52	55	49	46	48
15	57	52	54	52	50	52	57	51	54	49	44	48
16	57	49	53	52	51	51	59	51	54	49	43	46
17	53	48	50	52	51	51	63	51	57	48	43	46
18	53	42	49	52	51	52	61	50	54	48	43	46
19	58	43	51	59	51	54	56	50	52	49	44	46
20	63	53	59	61	51	55	58	50	52	49	44	47
21	54	53	54	60	51	55	54	49	51	49	46	48
22	54	53	53	62	51	56	56	49	52	51	46	48
23	53	52	53	61	54	59	56	49	53	49	44	47
24	52	52	52	61	51	57	57	53	55	48	44	46
25	52	51	52	56	51	53	55	48	53	48	43	46
26	52	51	51	59	51	54	54	48	50	48	43	45
27	53	51	52	61	52	56	54	47	50	48	43	46
28	65	52	59	60	52	55	53	47	49	52	47	50
29	62	54	58	59	51	54	---	---	---	49	44	47
30	62	52	56	61	52	55	---	---	---	48	43	46
31	---	---	---	59	52	55	56	51	53	---	---	---
MONTH	65	42	52	63	38	53	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00 CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.7	12.2	13.0	11.7	10.4	11.0	10.0	7.8	9.2	9.8	9.2	9.5
2	13.7	12.6	12.4	11.1	10.0	10.5	9.9	7.6	8.4	10.1	9.6	9.7
3	14.0	11.7	12.8	11.4	10.5	11.1	10.3	9.1	9.7	9.7	8.1	9.1
4	13.4	11.7	12.6	11.8	10.5	11.1	10.7	9.1	10.0	8.1	6.9	7.4
5	14.2	11.7	12.8	12.0	10.8	11.3	9.5	7.1	7.9	8.3	6.9	7.8
6	13.8	11.8	12.8	12.5	12.0	12.2	8.5	7.7	8.1	8.3	7.6	7.9
7	14.8	12.2	13.3	12.1	10.4	11.1	8.6	8.1	8.3	7.6	6.7	7.2
8	13.0	11.4	12.2	10.7	10.0	10.3	8.6	8.1	8.4	8.2	7.0	7.5
9	12.9	11.3	12.1	11.6	10.3	11.2	9.1	8.1	8.9	8.9	7.9	8.3
10	12.7	11.0	12.0	12.7	11.3	12.1	9.3	8.8	9.1	9.5	8.3	9.0
11	13.2	11.0	12.1	14.5	12.7	13.6	9.0	8.1	8.4	8.3	6.9	7.4
12	13.6	11.4	12.4	14.6	12.0	13.3	9.4	8.7	9.1	7.3	6.4	6.8
13	13.8	11.6	12.7	12.0	10.8	11.7	9.5	8.7	9.2	7.3	6.6	6.9
14	13.1	11.5	12.4	10.8	10.0	10.3	8.7	8.1	8.5	8.0	6.4	7.1
15	12.9	11.0	11.9	10.7	9.6	10.3	8.6	7.6	8.0	7.8	6.6	7.0
16	15.0	12.4	14.0	12.2	10.2	11.8	9.2	8.5	8.8	7.0	6.1	6.5
17	14.4	10.8	12.7	12.1	9.8	11.1	9.6	9.2	9.4	6.8	5.9	6.3
18	11.7	10.9	11.3	9.8	8.7	9.2	9.4	9.2	9.3	6.6	5.0	5.7
19	12.2	11.1	11.7	10.4	9.5	10	9.9	9.3	9.5	6.6	5.3	5.9
20	11.8	11.3	11.6	10.7	9.8	10.4	10.2	9.6	10.0	7.5	5.9	6.5
21	12.9	11.1	12.0	11.4	10.3	11.1	9.6	8.2	8.8	8.3	7.5	7.9
22	12.5	11.0	11.7	11.1	9.4	10.4	9.3	8.2	8.7	8.7	7.7	8.2
23	12.0	10.8	11.4	9.6	8.8	9.2	9.3	8.7	9.0	7.8	5.5	6.6
24	12.1	10.8	11.5	10.0	8.9	9.5	9.5	8.2	8.7	6.5	4.7	5.5
25	12.3	11.3	11.9	10.6	9.4	9.9	8.2	7.6	7.9	6.4	5.1	5.7
26	12.0	11.0	11.5	10.9	9.7	10.4	7.6	6.6	7.0	6.9	6.1	6.4
27	12.1	11.1	11.6	11.0	9.4	10.4	7.2	6.8	7.1	6.7	5.4	6.0
28	13.0	11.4	12.0	9.4	8.0	8.9	7.9	7.0	7.3	6.8	5.4	6.0
29	15.2	12.6	14.1	9.3	8.0	8.6	8.2	7.5	7.9	7.1	6.8	6.9
30	13.9	12.9	13.7	10.1	9.0	9.7	8.8	7.9	8.3	7.5	7.0	7.3
31	12.9	11.3	12.1	---	---	---	9.2	8.7	8.9	7.6	7.2	7.3
MONTH	15.2	10.8	12.3	14.6	8.0	10.7	10.7	6.6	8.6	10.1	4.7	7.2

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00 CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.9	7.1	7.3	7.8	7.4	7.6	10.0	7.7	8.9	10.1	8.8	9.4
2	7.5	6.9	7.1	8.0	7.5	7.7	11.1	8.6	9.7	10.2	8.9	9.5
3	8.2	7.2	7.5	8.0	7.0	7.5	12.3	8.8	10.6	12.5	9.6	10.6
4	9.7	7.6	8.8	8.2	7.2	7.7	12.3	8.6	10.4	13.4	9.0	10.8
5	8.7	6.2	7.0	8.6	7.7	7.9	12.3	8.8	10.4	12.9	9.2	10.5
6	7.0	6.4	6.6	11.2	8.4	9.9	12.1	8.6	10.3	17.0	11.9	14.9
7	6.8	6.4	6.6	11.6	11.0	11.3	11.6	9.1	10.3	17.5	16.7	17.2
8	6.6	5.6	6.2	11.0	8.2	8.8	10.8	9.0	9.6	16.7	10.0	13.5
9	7.2	6.1	6.6	9.1	8.0	8.4	10.0	9.4	9.7	10.7	9.7	10.1
10	7.6	6.8	7.2	8.8	7.7	8.2	9.6	8.4	9.0	10.8	9.6	10.1
11	7.0	6.2	6.6	8.7	7.4	8.0	10.0	8.5	9.3	10.3	9.6	9.9
12	---	6.7	---	8.8	7.4	8.0	10.8	9.0	9.7	10.4	9.1	9.7
13	7.2	---	---	8.9	7.7	8.2	12.4	8.5	10.5	10.8	9.1	9.8
14	7.2	6.3	6.9	8.4	7.9	8.0	12.7	8.6	10.6	10.3	9.3	9.7
15	7.7	6.8	7.2	9.1	7.9	8.6	12.9	8.7	10.5	10.7	9.3	9.9
16	8.0	7.1	7.7	10.9	8.3	9.4	12.5	8.8	10.1	10.5	9.6	10.0
17	7.1	6.3	6.5	9.9	8.2	8.4	11.7	8.8	9.8	11.1	9.4	9.9
18	7.0	6.2	6.6	8.7	8.5	8.6	11.8	8.8	9.9	12.9	10.4	12.0
19	7.3	6.6	6.9	11.2	8.6	9.5	11.9	8.7	10.0	13.5	10.0	11.3
20	8.1	7.3	7.6	12.0	9.7	11.0	12.1	11.0	11.4	10.3	9.7	10
21	8.3	7.3	7.8	11.3	9.4	9.9	11.5	9.1	10.8	12.1	9.5	10.4
22	10.8	7.6	9.1	9.4	8.6	9.0	12.8	8.9	10.4	13.2	10.8	11.9
23	10.8	7.1	9.5	9.5	8.2	8.8	12.3	8.4	9.8	11.4	10.6	11.2
24	8.3	6.8	7.5	12.4	9.5	10.6	9.6	8.7	9.1	11.1	9.8	10.4
25	8.6	6.9	7.6	11.9	8.2	9.7	11.9	8.8	10	10.9	9.6	10.2
26	7.5	7.0	7.3	10.8	8.4	9.5	14.1	9.5	11.6	11.3	10.2	10.8
27	7.5	7.1	7.3	12.8	8.8	10.7	14.1	8.9	11.2	11.1	9.6	10.3
28	8.2	7.2	7.6	12.3	8.7	10.3	10.2	8.7	9.4	14.6	10.6	12.3
29	---	---	---	11.2	8.7	9.9	11.3	8.8	9.6	14.4	9.8	11.6
30	---	---	---	11.2	9.9	10.5	11.6	8.7	9.6	---	---	---
31	---	---	---	10.2	8.3	9.1	---	---	---	14.2	10.0	12.0
MONTH	---	---	---	12.8	7.0	9.1	14.1	7.7	10.1	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00 CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	14.6	11.1	13.0	18.8	10.6	14.6	17.2	12.2	14.3	16.8	13.0	15.0
2	14.2	10.4	12.3	20.0	15.5	19.4	18.0	12.0	14.6	16.5	12.5	15.1
3	14.7	10.2	11.7	15.5	11.5	12.1	17.5	14.4	15.8	16.2	12.9	13.9
4	15.5	10.5	12.4	12.2	11.1	11.6	18.5	12.3	15.5	---	12.9	---
5	14.7	10.3	11.9	12.2	11.4	11.7	17.1	12.4	13.8	---	---	---
6	12.8	9.9	10.8	12.4	10.4	11.6	17.7	12.5	13.7	---	---	---
7	17.1	10.3	13.2	12.2	11.1	11.6	16.7	12.5	14.1	---	---	---
8	20.1	15.5	18.8	12.2	11.0	11.6	16.4	12.5	13.7	15.0	---	---
9	18.8	10.8	15.5	12.5	11.0	11.7	16.5	12.4	14.2	15.3	12.6	13.6
10	15.6	10.3	12.4	13.3	11.1	11.7	17.5	12.7	15.5	---	---	---
11	14.0	10.0	11.4	18.1	13.3	15.8	15.8	12.3	14.0	---	---	---
12	14.5	10.2	11.6	16.9	12.5	14.5	14.8	12.1	12.8	15.7	---	---
13	14.3	10.4	12.1	16.6	11.9	14.0	13.7	12.1	12.7	15.5	12.9	13.9
14	19.7	11.1	15.6	20.5	13.1	17.5	15.2	12.3	13.1	14.4	12.6	13.4
15	17.6	11.1	13.7	13.3	11.6	12.1	15.1	12.3	13.1	15.3	12.5	13.6
16	14.8	10.7	12.2	12.4	11.4	11.9	16.1	12.4	13.5	15.4	12.4	13.7
17	17.2	13.6	15.3	12.7	11.6	12.0	17.3	12.5	14.4	15.9	12.8	14.1
18	20.4	11.5	15.0	12.8	11.6	12.1	16.1	12.4	13.5	15.6	13.1	14.0
19	20.4	18.5	19.7	15.8	11.4	12.8	15.3	12.2	13.1	15.3	12.4	13.7
20	18.5	11.3	16.6	16.1	11.8	13.3	15.0	12.1	13.0	15.6	12.6	14.0
21	12.0	10.4	11.1	16.2	12.0	13.5	14.4	12.2	13.1	14.9	12.5	13.5
22	11.9	10.1	10.9	15.9	11.8	13.3	16.1	12.6	13.6	16.5	12.4	14.0
23	11.5	10.2	10.8	17.1	12.5	15.2	16.6	12.6	14.3	17.8	12.9	16.1
24	11.7	10.6	11.0	17.1	11.9	14.5	16.5	13.8	15.1	15.7	12.6	14.2
25	11.7	10.5	11.0	14.6	11.4	12.4	16.0	12.3	14.2	15.9	12.4	14.2
26	11.5	10.6	11.0	16.0	11.6	13.1	15.6	12.5	13.4	15.6	12.5	14.0
27	11.9	10.6	11.1	16.4	12.1	13.6	16.2	12.7	13.7	15.4	13.2	14.2
28	15.3	10.9	12.9	16.1	12.0	13.2	16.0	12.7	13.7	15.5	12.6	14.0
29	15.9	11.5	13.6	16.2	12.0	13.2	---	12.7	---	14.1	11.1	12.8
30	15.7	10.5	12.8	16.4	11.9	13.5	16.9	12.8	14.4	14.7	12.3	13.6
31	---	---	---	16.0	12.2	13.3	17.7	13.1	15.4	---	---	---
MONTH	20.4	9.9	13.0	20.5	10.4	13.3	---	12.0	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00 CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.8	3.6	4.8	31	6.2	8.6	9.5	2.6	4.8	53	12	29
2	20	2.1	4.9	26	6.1	11	16	5.4	9.2	33	7.1	16
3	18	2.6	3.9	11	5.1	7.1	14	4.0	7.1	38	6.7	13
4	15	<2.0	4.8	26	5.6	7.1	15	2.3	5.6	8.9	6.0	7.0
5	16	2.6	3.9	136	6.8	37	358	5.0	107	26	4.1	9.4
6	12	3.6	4.8	314	127	192	153	18	43	18	2.6	5.1
7	39	6.1	15	129	21	38	19	12	14	18	2.5	4.6
8	30	6.7	7.6	24	15	18	15	8.3	11	30	<2.0	3.5
9	90	7.1	9.6	16	9.7	13	18	10	12	16	<2.0	3.3
10	---	---	---	16	9.3	10	60	5.4	8.3	15	2.0	3.3
11	---	---	---	165	9.6	62	399	52	201	16	<2.0	3.0
12	---	---	---	183	23	44	93	23	38	20	<2.0	2.8
13	---	---	---	23	11	14	60	19	30	13	<2.0	2.6
14	---	---	---	16	10	12	66	26	43	57	<2.0	3.0
15	---	---	---	16	6.2	9.9	42	18	27	14	<2.0	2.6
16	---	---	---	434	11	222	26	14	17	15	<2.0	2.7
17	---	---	---	222	38	84	30	12	16	14	<2.0	2.6
18	---	---	---	41	18	27	16	10	12	27	<2.0	2.8
19	---	---	---	24	14	17	17	9.3	10	13	<2.0	3.0
20	---	---	---	21	12	15	126	16	46	163	<2.0	4.0
21	---	---	---	45	16	26	48	5.6	20	14	<2.0	2.8
22	18	3.0	4.2	50	17	24	9.8	2.6	4.7	16	<2.0	2.0
23	13	2.3	3.3	23	12	16	21	<2.0	4.4	22	<2.0	4.2
24	6.4	2.7	3.8	23	10	15	>1100	<2.0	570	37	2.0	5.8
25	6.1	2.7	3.5	---	---	---	853	66	364	22	<2.0	3.1
26	5.4	3.0	3.9	---	---	---	72	19	42	42	<2.0	3.1
27	7.0	2.4	3.9	---	---	---	26	14	18	24	<2.0	2.6
28	136	3.1	5.5	8.1	3.1	5.9	27	9.3	13	23	2.9	4.1
29	586	70	191	11	3.8	7.6	28	7.0	10	30	2.5	4.5
30	70	33	46	16	3.1	6.9	39	5.8	7.9	116	6.5	20
31	36	12	16	---	---	---	21	3.7	7.3	26	5.6	17
MAX	---	---	---	---	---	---	1100	66	570	163	12	29
MIN	---	---	---	---	---	---	9.5	2.0	4.4	8.9	2.0	2.0

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00 CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	13	4.4	5.8	28	14	21	20	2.8	9.4	14	5.4	8.2
2	24	3.4	4.4	30	8.6	20	21	3.2	7.7	12	4.8	7.9
3	8.0	2.6	3.4	43	10	17	21	<2.0	2.6	23	<2.0	4.6
4	---	---	---	26	13	17	58	<2.0	3.6	19	<2.0	4.1
5	---	---	---	143	10	16	44	<2.0	4.3	169	<2.0	6.0
6	---	---	---	828	64	409	27	2.5	4.7	884	138	271
7	---	---	---	571	70	172	40	3.6	9.8	784	117	371
8	---	---	---	139	21	36	28	<2.0	3.2	356	51	104
9	---	---	---	31	13	20	8.3	<2.0	2.6	66	22	36
10	---	---	---	22	11	15	42	2.4	5.1	52	20	26
11	---	---	---	40	6.5	14	52	9.4	25	32	7.8	18
12	---	---	---	25	8.7	12	35	4.2	13	23	6.5	10
13	---	---	---	20	5.2	11	27	2.6	4.7	30	6.7	16
14	24	<2.0	2.7	32	8.0	12	35	<2.0	2.6	19	5.9	13
15	22	2.0	3.3	29	5.2	9.5	32	<2.0	5.3	61	6.0	11
16	93	<2.0	17	82	4.1	7.5	30	<2.0	4.1	46	6.2	11
17	247	9.7	40	40	9.6	14	27	<2.0	3.7	60	5.0	7.6
18	24	3.9	11	36	8.9	13	66	<2.0	6.4	256	28	112
19	26	3.3	5.1	37	6.9	10	16	2.3	4.3	122	9.1	31
20	33	2.9	4.1	356	37	166	7.7	<2.0	3.2	49	4.7	9.9
21	18	2.1	3.8	232	18	30	50	<2.0	4.7	16	2.7	6.7
22	791	2.7	304	53	12	16	32	6.6	12	309	11	83
23	697	47	188	29	6.7	12	23	2.2	4.3	61	9.9	19
24	86	10	28	56	6.6	8.7	48	<2.0	8.7	14	5.9	8.3
25	55	11	27	38	3.8	7.4	156	5.7	35	44	4.4	7.1
26	34	7.5	15	35	3.8	7.0	173	15	62	88	6.7	24
27	48	9.4	17	35	3.5	6.5	128	7.4	16	16	2.0	6.9
28	52	11	25	32	4.0	6.3	26	6.5	13	152	<2.0	8.7
29	---	---	---	63	4.7	6.2	14	2.0	8.9	38	<2.0	5.9
30	---	---	---	11	4.0	6.4	18	5.3	9.1	31	<2.0	4.8
31	---	---	---	21	3.7	8.8	---	---	---	16	<2.0	6.1
MAX	---	---	---	828	70	409	173	15	62	884	138	371
MIN	---	---	---	11	3.5	6.2	7.7	2.0	2.6	12	2.0	4.1

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335950 LONGITUDE 0841207 NAD83 DRAINAGE AREA 1170.00 CONTRIBUTING DRAINAGE AREA DATUM 878.14 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17	<2.0	4.0	>1100	3.3	50	225	19	102	30	3.1	6.5
2	35	<2.0	3.2	995	284	714	272	7.2	20	97	<2.0	3.7
3	158	6.6	19	342	22	45	340	30	93	23	<2.0	5.2
4	43	12	20	76	21	32	511	54	154	---	<2.0	---
5	34	<2.0	3.6	54	14	28	60	11	22	---	---	---
6	29	<2.0	7.5	43	14	19	279	9.9	22	---	---	---
7	122	6.8	19	51	6.3	14	62	18	26	---	---	---
8	>1100	118	548	20	5.0	9.4	52	4.5	9.1	---	---	---
9	250	40	78	18	5.5	10	32	3.8	9.0	23	2.3	5.8
10	103	14	21	466	7.6	14	225	6.6	48	---	---	---
11	61	8.9	23	360	86	168	81	7.5	17	---	---	---
12	47	3.3	10	178	15	29	46	3.8	14	---	---	---
13	404	9.5	61	262	5.3	16	22	3.4	12	14	3.2	5.8
14	611	39	324	1030	69	598	30	3.0	10	17	4.1	6.0
15	350	23	160	174	24	36	23	2.2	9.3	34	2.8	5.2
16	682	8.1	28	109	12	23	26	<2.0	5.3	38	2.5	4.4
17	536	101	212	25	13	17	38	<2.0	7.8	31	3.0	5.3
18	>1100	28	153	23	6.8	14	33	3.0	9.8	26	3.6	5.5
19	1070	86	248	122	4.9	12	48	<2.0	7.1	26	3.4	5.3
20	389	44	70	53	3.7	12	33	<2.0	9.1	22	3.6	5.1
21	54	16	27	42	3.0	9.0	16	2.2	7.6	19	4.0	7.1
22	23	11	16	160	2.7	13	28	<2.0	7.5	657	3.4	10
23	86	11	20	129	40	73	13	2.0	4.7	631	69	178
24	126	16	32	64	14	21	12	2.2	4.2	92	12	17
25	36	15	19	31	3.9	16	44	<2.0	4.5	44	5.3	8.6
26	40	10	17	40	4.6	13	30	<2.0	5.1	50	6.3	11
27	27	6.6	14	53	<2.0	11	23	<2.0	3.0	22	6.3	9.6
28	64	3.6	16	32	2.4	7.6	19	<2.0	4.9	83	13	43
29	50	4.7	11	32	2.0	7.8	10	<2.0	4.1	106	8.5	19
30	99	<2.0	12	100	2.9	29	29	<2.0	5.2	46	5.5	7.3
31	---	---	---	38	8.6	15	34	4.3	10	---	---	---
MAX	1100	118	548	1100	284	714	511	54	154	---	---	---
MIN	17	2.0	3.2	18	2.0	7.6	10	2.0	3.0	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

APALACHICOLA RIVER BASIN
2003 Water Year

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA

LOCATION.—Lat 33°59'51", long 84°12'08" referenced to North American Datum (NAD) of 1983, Gwinnett-Fulton County line, Hydrologic Unit 03130001, on downstream side of right bank pier of bridge on GA 141, 1.5 miles upstream from John Creek, 4.5 miles north of Norcross, 6.5 miles downstream from Suwanee Creek, 18 miles downstream from Buford Dam, and at mile 330.8.

DRAINAGE AREA.—1,170 mi^2, approximately.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 1941, October 1957 to May 1958, January 1961 to June 1969, April 1970, October 1075 to September 1976, August 1992 to September 1995, October 2000 to current year.

REMARKS.—Laboratory chemical analyses with analyzing agency code 1028 are by the U.S. Geological Survey, Georgia District Bacteria Laboratory.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Turbidity, water, unfltrd lab, NTU (82079)	E coli, Colilert Quantry water, MPN/ 100 mL (50468)	Total coliform, Colert Quantry MPN/ 100 mL (50569)
OCT				
01...	0927	5.0	260	4220
02...	0912	4.0	120	3230
03...	0957	3.0	130	4350
04...	0850	3.0	110	2800
05...	1114	2.0	100	3220
06...	1003	3.0	120	3870
07...	0950	5.0	380	24200
08...	0900	3.0	95	5100
09...	0920	4.0	79	3130
10...	0906	3.0	150	3370
11...	0907	1.0	92	2590
12...	1018	2.0	60	1530
13...	0904	2.0	110	2320
14...	0918	3.0	38	1420
15...	1020	15	1200	72700
16...	0919	140	6700	175000
17...	0930	23	720	24500
18...	0910	5.0	200	3480
19...	0937	5.0	57	1920
20...	0859	6.0	81	2320
21...	0939	10	450	11700
22...	0905	5.0	75	1910
23...	0941	4.0	46	1200
24...	0957	4.0	56	1110
25...	0900	3.0	58	1070
26...	1135	4.0	110	1290
27...	1002	5.0	190	2740
28...	1019	4.0	120	1610
29...	0919	110	7200	68700
30...	1045	39	1100	19200
31...	0912	13	220	6230
NOV				
01...	1032	7.0	84	2830
02...	1056	6.0	55	1760
03...	0948	5.0	51	1300
04...	1006	6.0	67	2260
05...	1033	12	390	13400
06...	1101	140	2900	108000
07...	1057	29	270	9920
08...	1025	12	72	2500
09...	1115	8.0	54	1790
10...	1038	9.0	38	1200
11...	1019	44	3200	155000
12...	1000	36	850	>24200

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Turbid-ity, water, unfltrd lab, NTU (82079)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)
13...	1040	13	67	3090
14...	1026	10	38	1850
15...	1019	7.0	32	765
16...	1105	210	2100	112000
17...	0940	65	660	47200
18...	1042	17	250	4520
19...	1040	10	59	2140
20...	1056	9.0	34	1570
21...	1022	17	120	13000
22...	1002	16	110	4760
23...	0915	9.0	38	1570
24...	0957	7.0	31	782
25...	1139	5.0	28	522
26...	1002	4.0	24	389
29...	1030	9.0	150	1390
30...	1103	5.0	21	601
DEC				
01...	0910	5.0	29	666
02...	0951	10	27	514
03...	0931	8.0	140	1450
04...	0950	4.0	24	666
05...	1103	5.0	580	>24200
06...	1113	29	470	47900
07...	1225	11	74	6310
08...	0920	8.0	100	9800
10...	0917	6.0	14	1210
11...	0956	220	1500	199000
12...	1022	100	240	19000
13...	1155	19	200	23800
14...	0944	35	280	21400
15...	1039	21	57	4660
16...	0923	8.0	33	1970
17...	1030	8.0	32	659
18...	1120	5.0	29	441
19...	0940	5.0	36	460
20...	1000	28	260	9830
21...	0853	22	250	8720
22...	0915	7.4	37	1360
26...	0950	34	420	9150
27...	1035	16	150	4410
28...	0950	12	160	1870
29...	0950	10	120	2440
30...	1000	8.0	44	702
JAN				
02...	0900	13	100	1730
03...	1010	11	18	2570
04...	0950	8.0	95	1220
05...	0945	7.0	120	1340
06...	0915	5.0	30	616
07...	0930	5.0	22	551
08...	1100	6.0	24	323
09...	1155	5.0	13	259
10...	1040	4.0	52	520
11...	0943	5.0	19	731
12...	0955	4.0	24	498
13...	0950	3.0	15	456
14...	1030	4.0	29	1400
15...	0900	4.0	21	552
16...	0950	4.0	17	188
17...	0940	3.0	51	563
18...	1110	3.0	10	730
19...	0945	4.0	23	454
20...	0910	3.0	30	517
21...	1035	3.0	30	499
22...	1035	3.0	43	763
23...	1100	4.0	46	1170
24...	1050	3.0	67	397
25...	0950	3.0	70	424
26...	0955	3.0	34	442
27...	0950	3.0	22	237
28...	1040	3.0	34	660

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Turbid-ity, water, unfltrd lab, NTU (82079)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)
29...	1050	4.0	38	312
30...	1045	26	250	8930
31...	1205	16	100	9110
FEB				
01...	0915	6.0	46	3130
02...	1010	4.0	18	1020
03...	1040	3.0	10	319
04...	1005	10	69	4340
05...	0935	4.0	44	288
06...	1035	3.0	9	174
07...	1120	16	240	6220
10...	1135	9.0	300	6820
12...	1040	5.0	30	455
14...	1220	9.0	46	636
17...	1130	31	630	13500
19...	0935	5.0	49	2130
21...	1150	5.0	44	1690
24...	1130	33	37	1400
26...	0945	6.0	12	1280
28...	1125	10	56	2030
MAR				
03...	1155	12	9	187
05...	1215	12	14	250
07...	1330	120	1400	20200
10...	1043	12	18	568
12...	1145	8.0	7	464
14...	1210	9.0	10	269
17...	1340	8.0	9	456
19...	1150	7.0	170	544
21...	1205	22	180	3630
24...	1115	7.0	45	1510
26...	1125	4.0	16	487
28...	1200	5.0	22	1460
31...	1200	6.0	66	1380
APR				
02...	1005	2.0	26	566
04...	1222	3.0	22	507
07...	1055	5.0	220	3470
09...	0955	3.0	73	1880
11...	1200	21	350	8460
14...	1025	3.0	24	1200
16...	0940	3.0	34	870
18...	1130	3.0	63	1200
21...	1135	2.0	76	1400
23...	1045	3.0	57	4360
25...	1100	16	820	33300
28...	1115	9.0	20	631
30...	0940	7.0	7	666
MAY				
02...	1115	7.0	30	720
05...	0908	4.0	53	2180
07...	1230	360	9000	>242000
09...	1055	36	47	6490
12...	1030	7.0	28	2540
14...	0925	9.6	15	1270
16...	1000	8.0	240	23800
19...	1145	24	290	23900
21...	1036	6.7	63	4880
23...	1053	20	290	19300
28...	0925	8.5	120	6130
JUN				
04...	0730	18	470	68700
06...	1035	5.3	27	3840
09...	1105	48	680	36500
11...	0820	9.5	39	5790
13...	1007	47	1800	68700
16...	1040	12	860	6760
18...	1045	83	3800	111000
20...	1030	46	320	19400
23...	0805	9.5	92	4350
25...	0850	12	39	1840
27...	0920	27	19	2360

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Turbid-ity, water, unfltrd lab, NTU (82079)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)
30...	1050	4.9	160	5930
JUL				
02...	0920	420	5900	461000
07...	0915	8.4	94	4460
09...	0820	9.6	95	>4840
11...	1200	120	1200	>24200
14...	1020	700	12000	>242000
16...	0825	13	92	7270
18...	1000	8.7	35	2200
21...	1043	6.7	37	5270
23...	0927	82	2800	199000
25...	1039	7.0	89	4130
28...	1020	4.3	78	3040
30...	1032	61	4300	>24200
AUG				
01...	1100	110	2200	37700
04...	0945	170	3700	112000
06...	0945	11	260	11100
08...	1040	6.5	66	4060
11...	0935	8.8	810	81600
13...	0845	4.8	18	2780
15...	0957	4.7	78	2090
18...	0903	10	180	8030
20...	0915	5.2	95	5250
22...	1105	6.2	46	1750
25...	1130	3.8	140	2760
27...	1025	3.5	56	2920
29...	1039	3.7	64	2140
SEP				
03...	0845	4.2	120	3220
05...	1100	3.8	63	2010
08...	1120	3.4	47	1540
10...	0853	4.1	56	2070
12...	1011	3.8	40	1500
15...	1045	4.0	130	6730
17...	0915	4.2	80	3180
19...	1110	4.4	74	2160
22...	1055	4.6	95	1710
24...	1007	11	230	14100
26...	0952	9.2	66	3830
29...	1114	12	130	10200

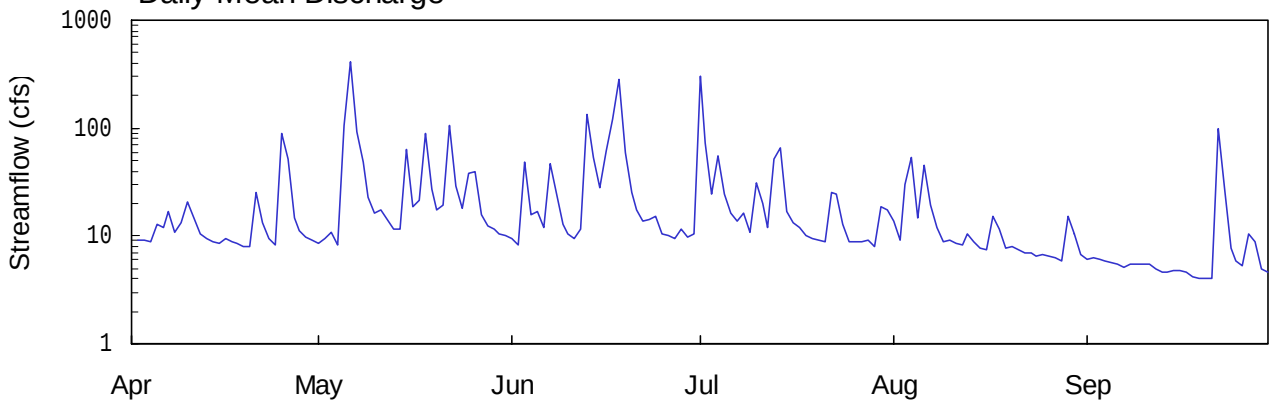
0Remark codes used in this report:
> -- Greater than

2003 Water Year

02335075 JOHNS CREEK AT STATE BRIDGE ROAD, NEAR WARSAW, GA.

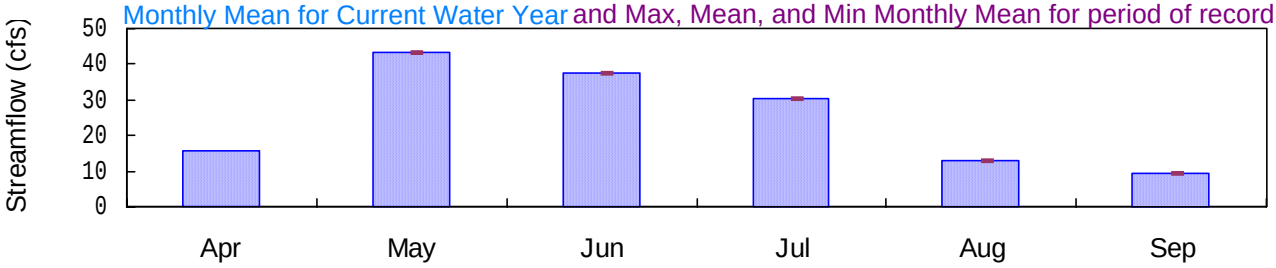
Latitude: 34°01'38" Longitude: 084°12'09" Hydrologic Unit Code: 03130001 Fulton County
Drainage Area: 9.4 mi^2 Datum: 920.0 feet

Daily Mean Discharge



Monthly Statistics

Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2003 Water Year

02335075 JOHNS CREEK AT STATE BRIDGE ROAD, NEAR WARSAW, GA

LOCATION.—Lat 34°01'38", long 84°12'09" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit 03130001, on left upstream bank, fifty feet upstream of bridge on State Bridge Road, 5.0 miles south of Alpharetta, and 1.0 mile south of Warsaw.

DRAINAGE AREA.—9.4 square miles.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 2, 2003 to September 30, 2003.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is approximately 920.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

WATER–STAGE RECORDS

PERIOD OF RECORD.—April 2, 2003 to September 30, 2003.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is approximately 920.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 8.21 feet, May 6; minimum gage-height recorded, 1.13 feet, September 20-22.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 2, 2003 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335075 JOHNS CREEK AT STATE BRIDGE ROAD, NEAR WARSAW, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 340138 LONGITUDE 0841209 NAD83 DRAINAGE AREA 9.4* CONTRIBUTING DRAINAGE AREA DATUM 920.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	8.5	9.3	308	14	6.0
2	---	---	---	---	---	---	9.3	9.6	8.3	73	9.1	6.3
3	---	---	---	---	---	---	9.1	11	48	24	30	6.0
4	---	---	---	---	---	---	8.8	8.3	16	56	53	5.9
5	---	---	---	---	---	---	13	107	17	25	15	5.6
6	---	---	---	---	---	---	12	417	12	16	46	5.5
7	---	---	---	---	---	---	17	94	47	14	19	5.1
8	---	---	---	---	---	---	11	48	24	16	12	5.5
9	---	---	---	---	---	---	13	23	13	11	9.0	5.5
10	---	---	---	---	---	---	21	17	10	31	9.2	5.5
11	---	---	---	---	---	---	15	17	9.5	20	8.5	5.6
12	---	---	---	---	---	---	10	14	12	12	8.1	5.0
13	---	---	---	---	---	---	9.5	12	135	52	11	4.6
14	---	---	---	---	---	---	8.8	12	54	66	8.8	4.6
15	---	---	---	---	---	---	8.4	63	28	17	7.8	4.8
16	---	---	---	---	---	---	9.4	19	61	13	7.5	4.7
17	---	---	---	---	---	---	8.9	21	120	12	15	4.6
18	---	---	---	---	---	---	8.6	88	288	10	12	4.2
19	---	---	---	---	---	---	8.0	27	60	9.4	7.7	4.0
20	---	---	---	---	---	---	8.1	18	25	9.2	7.9	4.0
21	---	---	---	---	---	---	26	19	17	8.8	7.5	4.0
22	---	---	---	---	---	---	13	107	14	25	6.9	98
23	---	---	---	---	---	---	9.3	29	14	25	7.0	27
24	---	---	---	---	---	---	8.2	18	15	13	6.5	7.7
25	---	---	---	---	---	---	91	38	11	8.8	6.7	5.8
26	---	---	---	---	---	---	51	40	10	8.8	6.5	5.3
27	---	---	---	---	---	---	15	16	9.4	8.9	6.3	10
28	---	---	---	---	---	---	11	12	12	9.2	5.8	8.8
29	---	---	---	---	---	---	9.7	12	9.9	7.9	15	5.0
30	---	---	---	---	---	---	9.0	10	10	19	11	4.6
31	---	---	---	---	---	---	---	10	---	17	6.8	---
TOTAL	---	---	---	---	---	---	---	1345.4	1119.4	946.0	396.6	279.2
MEAN	---	---	---	---	---	---	---	43.4	37.3	30.5	12.8	9.31
MAX	---	---	---	---	---	---	---	417	288	308	53	98
MIN	---	---	---	---	---	---	---	8.3	8.3	7.9	5.8	4.0
CFSM	---	---	---	---	---	---	---	4.62	3.97	3.25	1.36	0.99
IN.	---	---	---	---	---	---	---	5.32	4.43	3.74	1.57	1.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2003, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	43.4	37.3	30.5	12.8	9.31
MAX	---	---	---	---	---	---	---	43.4	37.3	30.5	12.8	9.31
(WY)	---	---	---	---	---	---	---	2003	2003	2003	2003	2003
MIN	---	---	---	---	---	---	---	43.4	37.3	30.5	12.8	9.31
(WY)	---	---	---	---	---	---	---	2003	2003	2003	2003	2003

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335075 JOHNS CREEK AT STATE BRIDGE ROAD, NEAR WARSAW, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 340138 LONGITUDE 0841209 NAD83 DRAINAGE AREA 9.4* CONTRIBUTING DRAINAGE AREA DATUM 920.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	1.33	1.33	3.60	1.43	1.23
2	---	---	---	---	---	---	1.35	1.36	1.30	2.10	1.32	1.23
3	---	---	---	---	---	---	1.35	1.40	1.85	1.61	1.60	1.22
4	---	---	---	---	---	---	1.34	1.33	1.47	1.85	1.87	1.22
5	---	---	---	---	---	---	1.43	2.05	1.49	1.62	1.44	1.21
6	---	---	---	---	---	---	1.41	4.23	1.38	1.48	1.79	1.21
7	---	---	---	---	---	---	1.52	2.28	1.85	1.43	1.53	1.19
8	---	---	---	---	---	---	1.39	1.90	1.60	1.47	1.39	1.21
9	---	---	---	---	---	---	1.45	1.59	1.41	1.36	1.32	1.21
10	---	---	---	---	---	---	1.58	1.49	1.35	1.66	1.32	1.21
11	---	---	---	---	---	---	1.48	1.49	1.33	1.53	1.30	1.21
12	---	---	---	---	---	---	1.39	1.44	1.38	1.39	1.29	1.19
13	---	---	---	---	---	---	1.36	1.38	2.46	1.70	1.35	1.17
14	---	---	---	---	---	---	1.34	1.38	1.92	2.02	1.31	1.17
15	---	---	---	---	---	---	1.33	1.93	1.65	1.49	1.28	1.18
16	---	---	---	---	---	---	1.35	1.52	1.91	1.42	1.27	1.18
17	---	---	---	---	---	---	1.34	1.55	2.44	1.39	1.41	1.17
18	---	---	---	---	---	---	1.34	2.21	3.48	1.34	1.38	1.16
19	---	---	---	---	---	---	1.32	1.65	2.00	1.33	1.28	1.15
20	---	---	---	---	---	---	1.32	1.51	1.63	1.32	1.29	1.15
21	---	---	---	---	---	---	1.59	1.52	1.50	1.31	1.27	1.14
22	---	---	---	---	---	---	1.44	2.36	1.43	1.55	1.25	2.03
23	---	---	---	---	---	---	1.35	1.67	1.43	1.61	1.26	1.64
24	---	---	---	---	---	---	1.33	1.51	1.45	1.41	1.24	1.32
25	---	---	---	---	---	---	2.20	1.66	1.36	1.31	1.25	1.26
26	---	---	---	---	---	---	1.89	1.78	1.34	1.31	1.24	1.24
27	---	---	---	---	---	---	1.48	1.47	1.33	1.31	1.23	1.34
28	---	---	---	---	---	---	1.40	1.40	1.38	1.32	1.22	1.34
29	---	---	---	---	---	---	1.36	1.38	1.34	1.28	1.38	1.23
30	---	---	---	---	---	---	1.35	1.35	1.35	1.50	1.35	1.21
31	---	---	---	---	---	---	---	1.35	---	1.47	1.25	---
MEAN	---	---	---	---	---	---	---	1.69	1.64	1.56	1.36	1.25
MAX	---	---	---	---	---	---	---	4.23	3.48	3.60	1.87	2.03
MIN	---	---	---	---	---	---	---	1.33	1.30	1.28	1.22	1.14

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335075 JOHNS CREEK AT STATE BRIDGE ROAD, NEAR WARSAW, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 340138 LONGITUDE 0841209 NAD83 DRAINAGE AREA 9.4* CONTRIBUTING DRAINAGE AREA DATUM 920.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	0.00	0.00	3.32	0.01	0.00
2	---	---	---	---	---	---	0.00	0.25	0.00	0.01	0.00	0.00
3	---	---	---	---	---	---	0.00	0.01	1.09	0.00	1.57	0.03
4	---	---	---	---	---	---	0.00	0.00	0.00	0.01	0.00	0.00
5	---	---	---	---	---	---	0.21	3.11	0.00	0.20	0.73	0.00
6	---	---	---	---	---	---	0.15	1.85	0.33	0.02	1.10	0.00
7	---	---	---	---	---	---	0.13	0.56	1.11	0.00	0.17	0.00
8	---	---	---	---	---	---	0.06	0.00	0.00	0.00	0.00	0.00
9	---	---	---	---	---	---	0.19	0.00	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	0.32	0.00	0.00	0.80	0.00	0.00
11	---	---	---	---	---	---	0.00	0.15	0.06	0.00	0.06	0.00
12	---	---	---	---	---	---	0.00	0.00	0.19	0.00	0.04	0.00
13	---	---	---	---	---	---	0.00	0.00	1.59	0.76	0.44	0.00
14	---	---	---	---	---	---	0.00	0.01	0.00	0.00	0.00	0.13
15	---	---	---	---	---	---	0.00	0.86	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	0.00	0.01	1.35	0.07	0.01	0.00
17	---	---	---	---	---	---	0.11	0.26	0.51	0.00	0.08	0.00
18	---	---	---	---	---	---	0.00	0.94	2.00	0.00	0.00	0.00
19	---	---	---	---	---	---	0.00	0.00	0.03	0.00	0.00	0.00
20	---	---	---	---	---	---	0.00	0.03	0.01	0.00	0.02	0.00
21	---	---	---	---	---	---	0.68	0.42	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	0.00	0.72	0.00	0.44	0.00	2.65
23	---	---	---	---	---	---	0.00	0.00	0.00	0.59	0.00	0.01
24	---	---	---	---	---	---	0.08	0.00	0.00	0.00	0.00	0.00
25	---	---	---	---	---	---	1.58	0.56	0.00	0.00	0.00	0.00
26	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
27	---	---	---	---	---	---	0.00	0.00	0.01	0.00	0.00	0.30
28	---	---	---	---	---	---	0.00	0.00	0.20	0.00	0.05	0.00
29	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
30	---	---	---	---	---	---	0.00	0.00	0.17	0.61	0.00	0.00
31	---	---	---	---	---	---	---	0.00	---	0.43	0.00	---
TOTAL	---	---	---	---	---	---	---	9.74	8.65	7.26	4.28	3.12

02335347 CROOKED CREEK TRIBUTARY No. 2, NEAR NORCROSS, GA

LOCATION.—Lat 33°57'24", long 84°14'43" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03130001, at culvert on Holcomb Bridge Road near Norcross.

DRAINAGE AREA.—0.19 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1987 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 930 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

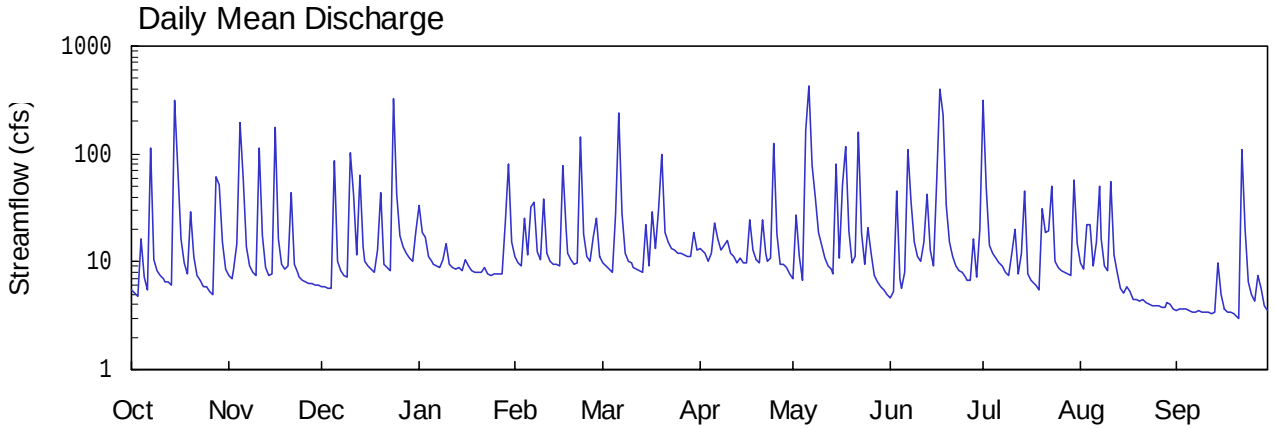
MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 5.71 feet, June 27, 1994
DISCHARGE: 239 cfs, June 27, 1994

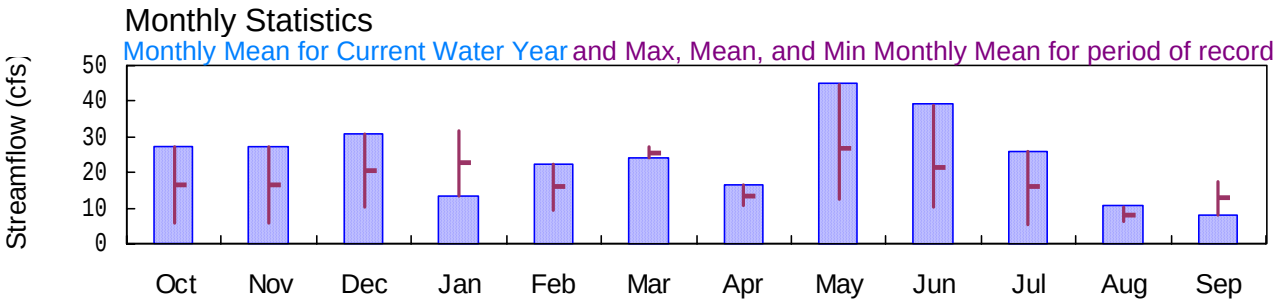
MAXIMUM FOR CURRENT YEAR.—
STAGE: 4.58 feet, June 17
DISCHARGE: 150 cfs, June 17

2003 Water Year

02335350 CROOKED CREEK NEAR NORCROSS, GA

Latitude: 33°57'54" Longitude: 084°15'54" Hydrologic Unit Code: 03130001 Gwinnett County
Drainage Area: 8.89 mi^2 Datum: 869.4 feet





APALACHICOLA RIVER BASIN
2003 Water Year

02335350 CROOKED CREEK NEAR NORCROSS, GA

LOCATION.—Lat 33°57'54", long 84°15'54" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03130001, 20.0 feet upstream of the bridge on Spalding drive, 3.2 miles northwest of Norcross, and 0.6 miles upstream from the Chattahoochee River.

DRAINAGE AREA.—8.89 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 20, 1996 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 950.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except periods of estimated record, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 20, 1996 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 950.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.20 feet, June 17; minimum gage-height recorded, 3.62 feet, September 21.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 23, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89* DATUM 869.40 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	7.5	5.8	33	11	9.7	13	7.0	4.7	315	9.9	3.6
2	5.2	7.0	5.8	19	9.7	9.1	13	27	5.3	49	8.5	3.6
3	4.8	8.6	5.7	17	9.0	8.5	12	11	46	14	22	3.7
4	16	15	5.6	11	26	8.1	10	6.8	6.9	e12	22	3.6
5	7.1	195	87	10	11	e28	12	167	5.7	e11	9.2	3.5
6	5.5	59	10	9.5	32	e237	23	433	8.1	e9.8	15	3.4
7	112	14	8.3	9.1	36	e28	16	78	110	e9.1	50	3.5
8	10	9.1	7.6	8.9	12	e12	13	e40	35	8.0	16	3.5
9	8.2	8.1	7.1	11	10	e10	14	e18	15	7.4	9.3	3.5
10	7.4	7.5	101	15	38	e9.7	16	e14	11	e12	8.3	3.4
11	7.0	113	43	9.5	12	8.9	12	e11	10	20	55	3.4
12	6.6	17	11	8.8	10	8.5	11	e9.0	15	7.6	12	3.3
13	6.4	8.8	63	8.5	9.5	8.2	9.9	e8.6	42	e12	7.9	3.4
14	6.0	7.5	14	8.7	9.6	8.1	11	e7.6	13	e45	5.7	9.9
15	319	7.7	10	8.1	9.0	22	9.6	81	9.0	7.6	5.1	5.0
16	73	177	9.1	10	77	9.2	9.9	11	e55	e6.7	5.8	3.6
17	16	16	8.5	9.3	21	29	25	52	e400	e6.3	5.4	3.4
18	9.8	9.5	8.1	8.1	12	13	13	118	e230	e6.0	4.5	3.3
19	7.8	8.5	13	8.0	10	31	11	19	33	5.5	4.5	3.3
20	29	9.1	44	8.0	9.6	100	9.7	9.6	15	31	4.3	3.2
21	11	43	9.3	8.0	9.9	19	25	11	11	19	4.4	3.0
22	7.5	9.3	8.8	8.9	146	15	12	160	9.1	19	4.1	111
23	6.7	7.9	8.1	7.7	18	13	10	19	e8.3	51	4.0	20
24	5.8	7.3	330	7.3	11	13	11	9.6	e7.9	10	3.9	6.4
25	5.9	6.8	43	7.6	10	12	124	20	e7.3	8.7	3.9	4.9
26	5.3	6.6	17	7.7	17	12	e18	12	e6.8	8.2	3.9	4.4
27	4.9	6.3	14	7.6	25	11	e9.5	7.5	e6.7	7.9	3.8	7.4
28	62	6.2	12	7.8	11	11	e9.5	6.4	17	7.7	3.8	5.7
29	51	6.1	11	23	---	11	8.8	5.9	7.2	7.4	4.1	3.9
30	15	6.0	10	81	---	19	7.7	5.4	e20	57	4.1	3.6
31	8.4	---	20	15	---	13	---	4.9	---	15	3.7	---
TOTAL	845.8	810.4	950.8	412.1	622.3	747.0	499.6	1390.3	1171.0	805.9	324.1	247.4
MEAN	27.3	27.0	30.7	13.3	22.2	24.1	16.7	44.8	39.0	26.0	10.5	8.25
MAX	319	195	330	81	146	237	124	433	400	315	55	111
MIN	4.8	6.0	5.6	7.3	9.0	8.1	7.7	4.9	4.7	5.5	3.7	3.0
CFSM	3.07	3.04	3.45	1.50	2.50	2.71	1.87	5.04	4.39	2.92	1.18	0.93
IN.	3.54	3.39	3.98	1.72	2.60	3.13	2.09	5.82	4.90	3.37	1.36	1.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	16.4	16.4	20.5	22.6	15.9	25.6	13.5	26.7	21.4	16.2	8.01	12.8
MAX	27.3	27.0	30.7	31.9	22.2	27.2	16.7	44.8	39.0	26.0	10.5	17.2
(WY)	2003	2003	2003	2002	2003	2002	2003	2003	2003	2003	2003	2002
MIN	5.60	5.82	10.3	13.3	9.57	24.1	10.9	12.3	10.1	5.29	6.32	8.25
(WY)	2002	2002	2002	2003	2002	2003	2002	2001	2002	2002	2002	2003

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	6926.5		8826.7			
ANNUAL MEAN	19.0		24.2		18.9	
HIGHEST ANNUAL MEAN					24.2	2003
LOWEST ANNUAL MEAN					13.7	2002
HIGHEST DAILY MEAN	360	May 4	433	May 6	433	May 6 2003
LOWEST DAILY MEAN	1.1	Aug 12	3.0	Sep 21	1.1	Aug 12 2002
ANNUAL SEVEN-DAY MINIMUM	1.2	Aug 8	3.4	Sep 6	1.2	Aug 8 2002
MAXIMUM PEAK FLOW			1370	Jun 17	1370	Jun 17 2003
MAXIMUM PEAK STAGE			12.20	Jun 17	12.20	Jun 17 2003
ANNUAL RUNOFF (CFSM)	2.13		2.72		2.13	
ANNUAL RUNOFF (INCHES)	28.98		36.94		28.92	
10 PERCENT EXCEEDS	42		49		37	
50 PERCENT EXCEEDS	6.8		9.7		7.8	
90 PERCENT EXCEEDS	2.6		4.6		3.3	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89* DATUM 869.40 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.82	3.95	3.85	4.32	3.88	3.89	3.88	3.82	3.69	6.82	3.83	3.67
2	3.82	3.92	3.85	4.05	3.83	3.86	3.87	4.08	3.72	4.65	3.77	3.67
3	3.80	3.96	3.85	4.04	3.79	3.83	3.84	3.96	4.48	4.08	4.06	3.67
4	4.03	4.17	3.84	3.88	4.15	3.81	3.76	3.81	3.81	4.65	4.07	3.67
5	3.92	5.92	4.99	3.84	3.89	---	3.83	5.31	3.75	4.59	3.80	3.66
6	3.84	4.82	4.05	3.82	4.19	---	3.98	7.57	3.83	4.22	3.99	3.66
7	5.18	4.17	3.98	3.80	4.36	---	3.97	5.02	5.12	4.33	4.36	3.66
8	4.06	4.02	3.95	3.79	3.92	---	3.86	4.66	4.47	3.87	4.03	3.67
9	3.98	3.97	3.93	3.83	3.85	---	3.90	5.48	4.13	3.84	3.81	3.66
10	3.94	3.95	4.93	3.98	4.39	---	3.95	5.32	4.00	---	3.76	3.66
11	3.92	5.23	4.61	3.82	3.92	3.85	3.84	4.88	3.96	4.12	4.37	3.66
12	3.90	4.25	4.10	3.78	3.85	3.83	3.81	4.00	4.09	3.85	4.02	3.65
13	3.89	4.00	4.84	3.77	3.81	3.82	3.75	4.77	4.51	---	3.90	3.66
14	3.86	3.94	4.17	3.78	3.82	3.81	3.80	4.44	4.06	---	3.79	3.80
15	6.84	3.94	4.05	3.75	3.79	4.15	3.74	4.90	3.91	3.85	3.76	3.75
16	4.98	6.00	4.02	3.83	4.88	3.86	3.75	3.99	---	4.02	3.78	3.67
17	4.23	4.23	3.99	3.81	4.15	4.23	4.00	4.40	---	4.05	3.77	3.66
18	4.04	4.03	3.97	3.75	3.92	3.96	3.87	5.43	---	3.92	3.72	3.65
19	3.96	3.99	4.04	3.75	3.85	4.25	3.78	4.21	4.48	3.74	3.72	3.65
20	4.27	4.00	4.54	3.75	3.82	5.08	3.75	3.94	4.13	4.04	3.71	3.64
21	4.08	4.59	4.03	3.75	3.83	4.04	4.05	3.96	4.01	4.03	3.72	3.63
22	3.94	4.03	4.00	3.79	5.47	3.94	3.84	5.72	3.92	4.02	3.70	4.86
23	3.90	3.96	3.97	3.73	4.14	3.88	3.76	4.20	4.26	4.53	3.69	4.21
24	3.85	3.93	6.63	3.72	3.95	3.86	3.80	3.94	5.44	3.85	3.69	3.83
25	3.86	3.91	4.54	3.73	3.90	3.84	5.29	4.06	4.75	3.78	3.69	3.74
26	3.82	3.89	4.09	3.73	4.04	3.83	---	4.01	4.74	3.76	3.69	3.71
27	3.80	3.88	3.98	3.73	4.28	3.82	---	3.84	4.31	3.74	3.68	3.81
28	4.54	3.87	3.91	3.74	3.95	3.81	---	3.79	4.05	3.73	3.68	3.79
29	4.70	3.87	3.88	4.06	---	3.81	3.91	3.76	3.83	3.72	3.70	3.68
30	4.18	3.86	3.85	4.97	---	4.01	3.85	3.73	---	4.50	3.70	3.67
31	3.99	---	4.03	4.01	---	3.86	---	3.70	---	3.97	3.67	---
MEAN	4.16	4.21	4.21	3.87	4.06	---	---	4.47	---	---	3.83	3.75
MAX	6.84	6.00	6.63	4.97	5.47	---	---	7.57	---	---	4.37	4.86
MIN	3.80	3.86	3.84	3.72	3.79	---	---	3.70	---	---	3.67	3.63

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89* DATUM 869.40 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.17	0.00	0.01	0.00	0.00	0.00	2.62	0.00	0.00
2	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.56	0.00	0.02	0.00	0.00
3	0.00	0.30	0.00	0.00	0.00	0.01	0.00	0.00	1.18	0.00	0.67	0.00
4	0.38	0.15	0.15	0.00	0.34	0.01	0.01	0.00	0.02	0.28	0.00	0.00
5	0.00	2.02	0.98	0.00	0.00	---	0.15	2.56	0.00	0.15	0.25	0.00
6	0.84	0.01	0.00	0.00	0.67	---	0.30	1.55	0.47	0.00	0.36	0.00
7	0.15	0.00	0.00	0.00	0.04	---	0.11	0.33	0.76	0.00	0.05	0.00
8	0.00	0.00	0.00	0.00	0.00	---	0.07	0.08	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.21	0.15	---	0.14	0.02	0.00	0.00	0.00	0.00
10	0.00	0.00	1.42	0.08	0.31	---	0.14	0.00	0.00	0.24	0.01	0.00
11	0.02	1.30	0.01	0.00	0.00	0.00	0.00	0.15	0.10	0.02	0.03	0.00
12	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.07	0.00
13	0.01	0.00	0.74	0.00	0.00	0.00	0.00	0.00	0.55	0.15	0.09	0.00
14	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.01	0.08	0.05	0.00	0.04
15	3.52	0.62	0.00	0.00	0.00	0.38	0.00	0.94	0.00	0.02	0.01	0.00
16	0.04	1.16	0.00	0.14	1.02	0.00	0.00	0.01	1.80	0.07	0.01	0.00
17	0.00	0.00	0.00	0.00	0.00	0.40	0.22	0.17	0.86	0.00	0.01	0.00
18	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.68	1.27	0.00	0.00	0.00
19	0.00	0.07	0.63	0.00	0.00	0.52	0.00	0.00	0.05	0.00	0.02	0.00
20	0.38	0.33	0.03	0.00	0.00	0.43	0.00	0.01	0.01	0.41	0.01	0.00
21	0.00	0.30	0.00	0.17	0.14	0.00	0.31	0.62	0.00	0.00	0.00	0.00
22	0.00	0.01	0.00	0.06	1.18	0.00	0.01	0.93	0.00	0.55	0.00	1.65
23	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.01
24	0.00	0.00	2.34	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00
25	0.07	0.00	0.05	0.00	0.00	0.00	1.31	0.37	0.00	0.00	0.00	0.00
26	0.01	0.00	0.00	0.00	0.33	0.00	0.00	0.02	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.01	0.00	0.09	0.42
28	1.11	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.26	0.00	0.09	0.01
29	0.36	0.00	0.00	0.72	---	0.06	0.00	0.00	0.00	0.00	0.01	0.00
30	0.01	0.00	0.00	0.46	---	0.24	0.00	0.00	0.29	0.78	0.00	0.00
31	0.00	---	0.29	0.00	---	0.00	---	0.00	---	0.50	0.00	---
TOTAL	6.90	6.43	6.74	2.21	4.47	---	2.90	9.01	8.10	6.43	1.78	2.13

APALACHICOLA RIVER BASIN
2003 Water Year

02335350 CROOKED CREEK NEAR NORCROSS, GA

LOCATION.—Lat 33°57'54", long 84°15'54" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03130001, 20.0 feet upstream of the bridge on Spalding drive, 3.2 miles northwest of Norcross, and 0.6 miles upstream from the Chattahoochee River.

DRAINAGE AREA.—8.89 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIOD OF RECORD.—March 23, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: March 23, 2001 to current year.
WATER TEMPERATURE: March 23, 2001 to current year.
TURBIDITY: March 23, 2001 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records are good, except for turbidity records, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 249 microsiemens, July 17, 2001; minimum recorded, 22 microsiemens, October 15, 2002.
WATER TEMPERATURE: Maximum recorded, 29.4°C, August 1, 2002; minimum recorded, 0.9°C, January 24, 2003.
TURBIDITY: Maximum recorded, >2,200 NTU, September 24, 2001, September 22, 2003, March 26, 2002; minimum recorded, <2.0 NTU, on several days.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum, 149 microsiemens, April 16, 17; minimum, 22 microsiemens, October 15.
WATER TEMPERATURE: Maximum, 27.2°C, July 29; minimum, 0.9°C, January 24.
TURBIDITY: Maximum, >2,200 NTU, September 22; minimum, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89 DATUM 869.40 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	97	93	95	98	92	95	114	111	113	83	48	72
2	99	88	96	101	98	100	114	113	113	99	82	87
3	103	99	101	110	90	101	113	111	112	90	64	83
4	105	51	93	110	66	74	114	112	113	98	90	94
5	82	60	72	91	33	63	114	40	67	101	98	99
6	91	75	87	71	46	66	85	75	81	105	101	103
7	75	31	58	89	70	78	89	85	87	107	105	106
8	80	70	75	110	89	94	94	89	92	108	107	108
9	87	80	84	106	101	103	96	93	95	109	103	108
10	93	87	90	111	106	109	97	35	82	113	80	90
11	100	93	96	109	34	65	76	45	63	103	93	99
12	101	98	100	86	68	75	86	76	82	105	103	104
13	103	100	102	95	86	90	86	43	65	107	105	106
14	104	103	104	100	95	98	83	61	76	125	107	110
15	104	22	57	111	87	102	89	83	86	124	109	114
16	65	44	59	87	35	54	94	89	91	121	106	109
17	82	65	72	87	70	77	97	94	96	122	95	102
18	89	82	86	94	87	91	100	97	99	103	97	100
19	93	89	91	104	94	98	102	88	101	108	103	105
20	97	38	82	110	97	103	88	38	61	109	108	108
21	81	69	75	110	58	73	78	71	75	109	106	108
22	90	81	86	91	85	88	81	78	80	112	107	109
23	95	90	93	98	91	95	86	79	82	111	106	107
24	98	95	96	104	98	102	87	25	56	111	108	109
25	101	98	99	105	104	104	69	61	66	115	109	111
26	107	101	105	108	105	106	87	69	80	111	109	110
27	103	102	103	109	108	109	95	87	90	109	108	109
28	104	36	87	110	108	109	100	95	98	110	104	107
29	76	38	63	111	110	110	102	100	101	115	63	99
30	85	58	75	111	110	110	105	102	104	76	44	62
31	92	85	89	---	---	---	109	69	103	85	76	81
MONTH	107	22	86	111	33	91	114	25	87	125	44	101

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89 DATUM 869.40 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	91	85	88	95	90	93	97	92	95	122	101	109
2	97	91	94	100	95	97	97	92	95	112	58	96
3	102	97	99	106	100	103	100	93	98	89	69	82
4	103	49	80	107	106	107	119	99	106	100	89	95
5	92	74	88	---	---	---	134	110	119	100	32	79
6	94	55	83	---	---	---	110	52	98	60	29	47
7	80	50	68	---	---	---	97	61	86	74	55	64
8	88	80	84	---	---	---	94	85	91	87	62	77
9	94	87	91	---	---	---	102	87	96	92	87	90
10	95	50	71	---	---	---	106	86	96	98	91	94
11	88	80	84	106	100	104	98	93	95	117	98	103
12	94	88	92	110	106	107	105	94	101	106	99	103
13	99	94	96	111	109	110	110	100	106	105	99	102
14	114	99	103	112	110	111	112	98	104	105	101	104
15	114	102	104	113	67	87	119	101	109	103	40	75
16	113	41	69	94	88	91	149	119	130	104	78	85
17	85	58	74	99	56	81	149	66	120	122	36	91
18	92	82	87	86	73	82	104	91	97	65	42	56
19	95	90	93	96	62	79	110	104	108	74	62	69
20	100	95	98	76	44	62	113	106	109	91	69	87
21	104	100	102	87	76	84	116	67	99	104	73	90
22	114	27	66	94	85	92	100	89	97	78	37	59
23	83	66	76	100	94	97	118	97	110	81	66	74
24	91	83	87	103	100	101	134	103	114	87	75	83
25	97	91	94	111	103	106	103	36	65	101	61	90
26	103	72	95	115	108	111	85	62	77	89	60	81
27	87	63	74	119	111	114	90	85	88	94	83	91
28	90	77	85	119	113	116	92	88	90	98	74	92
29	---	---	---	120	111	115	95	92	94	---	---	---
30	---	---	---	120	73	92	101	91	97	---	---	---
31	---	---	---	96	86	92	---	---	---	---	---	---
MONTH	114	27	87	---	---	---	149	36	100	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89 DATUM 869.40 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	75	24	47	82	70	77	115	111	113
2	---	---	---	48	28	36	93	82	88	117	114	115
3	114	55	70	48	35	42	94	45	75	117	115	116
4	96	79	88	54	35	48	76	45	63	119	117	118
5	---	---	---	68	44	53	90	76	81	121	117	119
6	---	---	---	68	54	61	90	60	76	143	118	123
7	94	28	56	75	68	71	82	41	65	126	117	118
8	76	51	65	84	74	79	74	56	65	119	115	117
9	85	76	80	87	84	85	89	74	82	118	114	116
10	93	85	88	96	76	86	96	89	92	120	116	118
11	108	93	99	77	41	63	99	42	83	121	117	119
12	111	65	96	78	57	69	77	59	67	121	117	119
13	75	46	61	92	33	81	85	73	79	121	115	118
14	87	61	72	73	38	58	94	85	89	134	80	114
15	87	76	81	89	73	83	100	94	97	104	93	101
16	92	31	83	101	88	93	103	86	101	119	103	106
17	61	29	46	97	78	88	109	91	103	110	108	109
18	57	26	48	106	97	101	107	101	102	111	109	110
19	76	55	64	103	101	102	123	103	106	112	109	110
20	83	76	79	106	45	99	122	105	111	113	110	111
21	89	83	86	81	57	72	122	97	113	122	109	112
22	99	89	93	85	51	72	115	111	113	115	26	87
23	103	99	101	69	35	54	116	112	114	70	52	61
24	107	103	105	81	65	74	117	112	115	84	70	78
25	108	106	107	89	81	85	116	112	114	93	84	89
26	111	97	103	95	89	92	116	112	114	99	93	96
27	103	99	102	98	95	96	118	115	117	107	80	98
28	110	60	84	101	98	99	119	113	115	93	80	84
29	94	82	89	104	100	101	119	114	117	91	86	87
30	102	71	92	107	38	69	118	96	110	97	91	94
31	---	---	---	80	62	70	115	105	112	---	---	---
MONTH	---	---	---	107	24	75	123	41	95	143	26	106

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89 DATUM 869.40 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.0	20.0	21.3	15.3	12.5	13.6	8.8	6.5	7.6	11.5	11.0	11.3
2	23.6	20.0	21.6	14.0	11.4	12.6	8.1	5.3	6.8	11.9	10.6	11.1
3	23.4	20.0	21.5	13.2	12.0	12.6	9.8	6.3	8.0	11.1	7.7	9.6
4	23.6	20.2	21.6	14.0	12.8	13.5	9.0	7.3	8.4	8.2	6.3	7.2
5	24.8	21.9	23.0	13.7	12.8	13.4	7.3	3.9	6.0	9.1	6.4	7.5
6	23.9	20.7	22.2	14.1	12.6	13.6	8.2	6.3	7.1	8.3	6.6	7.4
7	23.0	21.4	22.2	13.7	11.6	12.5	7.8	5.1	6.3	7.7	5.5	6.4
8	21.4	19.7	20.7	13.7	10.8	12.1	7.5	5.3	6.4	8.4	5.5	6.8
9	19.7	18.6	19.0	14.5	11.5	13.0	8.5	6.8	7.6	10.6	7.3	8.9
10	19.2	18.4	18.8	16.8	14.3	15.6	8.4	7.4	7.9	11.1	8.3	10.2
11	20.7	18.9	19.6	17.5	16.2	16.9	8.3	7.4	8.0	8.3	5.9	7.0
12	21.9	18.8	20.1	16.4	14.7	15.9	9.3	8.2	8.6	6.5	4.6	5.5
13	22.8	19.9	20.9	14.7	12.1	13.6	8.9	7.4	8.3	6.4	4.9	5.5
14	20.2	18.5	19.3	13.4	10.7	11.9	8.5	7.2	7.9	7.5	4.5	5.8
15	18.5	13.2	15.7	12.9	10.2	11.6	8.8	6.4	7.4	7.0	4.6	5.6
16	17.2	15.5	16.2	13.6	12.7	13.3	9.6	6.6	8.0	5.6	4.1	4.9
17	16.8	14.4	15.4	12.7	9.9	11.4	10.1	8.0	8.8	6.5	3.9	5.2
18	16.5	13.2	14.6	11.4	8.7	10	9.9	8.4	9.1	4.8	2.2	3.4
19	16.3	13.2	14.6	11.7	9.8	10.8	11.1	9.1	9.8	5.5	2.5	3.8
20	18.3	14.4	15.9	12.4	11.1	11.8	12.5	8.9	10.9	7.2	---	---
21	18.2	16.9	17.5	13.3	11.9	12.4	9.4	7.3	8.3	10.2	7.0	8.8
22	17.6	16.1	16.8	12.2	9.3	11.1	10.9	7.5	9.0	10.9	8.7	9.8
23	16.5	15.9	16.2	10.6	8.1	9.2	10.0	7.7	9.0	8.7	2.7	6.0
24	17.9	15.7	16.5	11.3	8.0	9.5	9.6	8.2	8.9	4.0	0.9	2.4
25	16.3	15.8	16.0	11.7	8.4	9.9	8.9	6.9	8.0	4.9	1.9	3.2
26	17.1	15.8	16.4	12.0	8.7	10.3	7.2	6.0	6.6	6.7	3.9	4.9
27	17.5	15.9	16.8	11.6	8.7	10.6	7.4	5.4	6.3	6.1	3.2	4.5
28	20.2	17.1	18.1	9.4	7.1	8.1	7.8	5.4	6.5	6.4	2.8	4.6
29	19.6	17.5	18.7	9.1	5.9	7.4	8.9	6.1	7.4	9.3	6.2	7.5
30	18.7	16.0	17.5	11.0	8.2	9.3	9.2	6.7	7.9	9.7	8.3	9.1
31	16.7	13.8	15.2	---	---	---	11.2	8.4	9.4	9.6	7.9	8.5
MONTH	24.8	13.2	18.4	17.5	5.9	11.9	12.5	3.9	7.9	11.9	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89 DATUM 869.40 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10.3	7.8	8.8	10.5	10.1	10.3	15.9	10.0	12.6	21.6	17.7	19.2
2	10.9	7.0	8.8	11.8	10.1	10.7	18.0	12.7	15.0	22.3	17.7	19.5
3	11.5	8.2	9.9	11.4	8.3	9.9	19.1	13.5	16.0	19.9	17.6	18.5
4	12.8	9.7	11.7	12.0	8.5	10.4	19.9	14.8	16.9	21.4	16.4	18.6
5	9.8	7.4	8.6	---	---	---	18.4	16.4	17.0	20.6	18.2	19.0
6	8.2	6.7	7.7	---	---	---	18.1	14.8	16.4	19.3	18.8	19.0
7	7.5	6.3	6.8	---	---	---	16.7	15.6	16.2	20.4	18.6	19.3
8	7.7	5.2	6.4	---	---	---	15.6	13.8	14.6	21.0	19.2	20.0
9	9.0	5.8	7.2	---	---	---	13.8	12.4	13.2	22.4	19.3	20.6
10	9.0	7.3	8.1	---	---	---	12.4	10.9	11.5	22.9	19.6	21.1
11	9.4	5.9	7.5	14.7	10.2	12.3	13.2	10.1	11.5	21.0	18.8	20.3
12	10.7	6.9	8.3	15.9	---	---	17.2	10.8	13.6	21.3	17.5	18.9
13	10.2	6.4	8.1	17.2	12.9	14.8	19.0	12.3	15.2	20.8	16.5	18.4
14	8.7	7.2	7.9	15.5	13.7	14.4	19.1	13.2	15.9	18.3	17.1	17.7
15	11.4	8.5	9.8	13.7	11.8	12.4	20.4	14.4	17.0	19.2	17.2	18.2
16	11.6	6.8	9.3	15.1	12.2	13.2	19.5	14.9	17.0	21.1	18.4	19.5
17	7.5	6.8	7.1	14.0	13.0	13.5	18.6	15.4	17.1	22.3	19.3	20.3
18	9.0	6.5	7.4	14.5	13.7	14.1	20.4	16.9	18.3	21.3	19.1	19.6
19	9.2	6.3	7.8	14.8	14.3	14.6	18.6	16.0	17.0	19.1	17.2	18.0
20	11.9	8.4	9.9	14.5	13.2	13.7	17.5	16.2	16.7	18.4	16.7	17.4
21	10.8	10.0	10.3	17.5	13.3	15.0	18.6	16.1	17.2	18.6	17.5	18.0
22	13.4	10.5	11.8	16.2	12.9	14.6	19.5	15.5	17.1	18.8	18.1	18.5
23	12.1	9.4	10.7	16.7	12.4	14.2	19.4	13.6	16.1	20.4	17.8	18.8
24	13.3	9.1	10.9	17.5	11.9	14.4	16.8	13.6	15.1	21.5	18.1	19.3
25	12.0	10.0	10.9	18.0	12.3	15.0	18.3	14.9	16.1	20.9	17.6	19.2
26	10.6	8.9	9.5	18.2	13.9	16.0	18.2	15.9	17.0	21.8	19.0	20.2
27	8.9	7.8	8.2	19.6	15.1	16.9	19.5	15.3	17.1	21.2	17.8	19.2
28	12.2	8.3	9.9	18.3	15.9	16.9	19.9	15.9	17.6	21.5	16.7	18.7
29	---	---	---	17.2	14.2	16.1	20.9	16.5	18.5	21.4	17.3	18.8
30	---	---	---	14.2	10.6	12.6	21.9	17.8	19.4	21.6	16.6	18.6
31	---	---	---	14.2	9.0	11.2	---	---	---	22.1	17.5	19.5
MONTH	13.4	5.2	8.9	---	---	---	21.9	10.0	16.0	22.9	16.4	19.1

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89 DATUM 869.40 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.5	17.6	19.5	22.8	21.3	21.7	26.1	23.1	24.2	26.4	22.5	24.0
2	21.8	16.3	18.7	22.3	21.2	21.6	25.7	22.7	23.8	25.7	22.1	23.5
3	20.9	18.2	19.8	24.3	20.7	22.2	25.2	22.5	23.6	25.8	22.2	23.8
4	23.3	19.7	21.0	25.0	21.5	22.9	25.0	23.3	24.1	25.4	22.5	23.6
5	22.9	18.2	20.2	23.8	22.1	22.8	26.3	22.8	24.1	24.5	21.2	22.7
6	20.3	18.4	19.4	24.6	22.0	22.9	24.1	23.3	23.7	24.1	21.4	22.4
7	22.8	20.2	21.4	24.6	21.6	22.9	25.4	22.3	23.6	21.8	20.3	21.0
8	23.1	21.3	22.2	25.5	21.8	23.3	25.9	23.3	24.4	23.1	19.1	20.8
9	23.6	20.1	21.5	26.3	21.9	23.7	25.8	22.1	23.6	23.2	19.0	20.9
10	24.0	19.3	21.3	23.3	22.2	22.7	24.9	21.9	23.1	22.4	19.5	20.8
11	24.1	20.3	22.0	25.7	21.9	23.5	24.7	21.4	22.6	23.6	18.9	21.0
12	23.8	21.0	22.2	26.2	22.2	23.8	24.3	22.5	23.3	23.5	18.6	20.6
13	23.8	21.3	22.7	26.1	22.0	23.6	24.3	22.5	23.2	23.1	18.1	20.3
14	24.2	22.0	22.8	24.8	23.0	23.8	25.9	22.0	23.6	22.5	19.0	20.7
15	25.2	21.6	23.0	25.9	22.2	23.6	26.4	22.5	24.0	24.5	20.7	22.4
16	24.5	21.4	22.6	24.9	22.1	23.2	26.0	22.9	24.0	23.0	19.0	20.7
17	23.8	22.3	23.0	26.3	21.9	23.6	26.2	22.4	24.0	23.4	18.5	20.5
18	23.3	22.2	22.7	25.6	22.0	23.5	27.0	22.5	24.3	22.8	17.4	19.8
19	23.2	21.7	22.4	26.3	22.2	23.8	25.3	22.6	23.9	22.8	17.5	19.9
20	23.9	21.1	22.2	26.8	22.2	24.1	25.2	23.0	23.8	23.7	18.4	20.6
21	23.2	19.2	20.9	27.0	23.6	25.0	26.3	22.3	23.9	22.1	18.9	20.5
22	23.3	18.4	20.5	25.2	22.6	23.9	26.1	22.2	23.9	23.2	20.5	21.5
23	23.6	18.8	21.0	24.3	22.8	23.5	26.6	22.4	24.1	23.2	20.4	21.8
24	24.7	19.6	21.6	25.3	21.2	22.9	26.2	21.9	24.0	21.8	18.7	20.1
25	24.3	20.1	21.8	24.4	20.5	22.2	26.1	22.9	24.1	22.4	18.3	20.0
26	23.7	20.3	21.8	25.6	21.2	22.9	26.7	22.2	24.1	22.5	18.3	20.1
27	23.1	20.6	21.7	26.1	21.3	23.3	26.5	22.6	24.2	22.0	18.6	20.2
28	23.0	20.4	21.7	27.1	22.0	24.0	25.8	22.6	24.1	22.0	17.8	20.2
29	24.2	21.2	22.3	27.2	22.4	24.3	25.2	22.4	23.5	19.4	15.4	17.1
30	23.1	21.2	22.1	25.0	22.4	23.9	25.4	22.3	23.5	18.7	14.0	16.0
31	---	---	---	26.5	23.5	24.5	25.8	22.4	23.9	---	---	---
MONTH	25.2	16.3	21.5	27.2	20.5	23.3	27.0	21.4	23.8	26.4	14.0	20.9

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89 DATUM 869.40 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	25	6.8	14	16	5.2	6.8	---	---	---	324	19	41
2	40	8.6	16	12	<5.0	5.7	---	---	---	80	10	14
3	34	8.7	20	87	<5.0	<5.0	---	---	---	64	10	15
4	913	11	46	58	7.5	20	23	<5.0	<5.0	14	7.9	8.9
5	126	8.9	20	945	6.2	185	564	<5.0	42	11	6.4	7.2
6	639	6.1	20	223	26	42	22	9.6	12	9.7	6.1	6.7
7	>1200	16	47	90	21	37	11	6.1	7.5	10	6.4	7.3
8	50	13	18	22	8.6	12	9.2	<5.0	5.4	9.4	5.8	6.3
9	47	11	21	11	5.8	7.1	12	<5.0	<5.0	86	5.7	6.4
10	38	9.2	15	31	<5.0	5.7	318	<5.0	<5.0	71	9.1	23
11	32	8.8	18	---	5.3	---	144	19	33	40	6.2	8.0
12	50	7.5	16	69	14	23	20	8.8	13	10	5.4	6.5
13	158	8.8	18	60	8.0	12	270	8.6	60	13	5.6	7.2
14	18	7.0	9.0	153	5.5	7.7	39	12	17	22	5.6	9.9
15	>1200	7.6	197	298	<5.0	5.5	12	7.0	8.4	22	5.8	9.3
16	230	39	74	1110	39	162	9.0	5.6	6.5	58	6.2	10
17	48	23	32	39	14	21	7.9	<5.0	5.5	30	8.9	16
18	31	15	19	27	8.5	12	---	---	---	25	6.1	11
19	32	9.2	12	11	6.5	7.7	---	---	---	29	5.8	11
20	823	7.4	12	52	5.3	7.2	427	14	31	---	---	---
21	68	14	22	111	13	32	14	7.1	8.9	---	---	---
22	19	7.2	9.6	13	6.2	7.6	12	5.7	7.4	---	---	---
23	9.6	6.1	7.5	10	<5.0	5.5	112	5.2	8.8	---	---	---
24	17	5.7	6.9	6.3	<5.0	<5.0	1160	6.2	128	7.3	<5.0	<5.0
25	12	5.0	7.2	7.1	<5.0	<5.0	77	45	51	7.3	<5.0	<5.0
26	14	5.4	6.5	---	---	---	46	20	29	6.8	<5.0	<5.0
27	14	<5.0	5.6	---	---	---	28	16	18	5.3	<5.0	<5.0
28	729	<5.0	6.4	---	---	---	17	11	13	18	<5.0	<5.0
29	>1200	25	64	---	---	---	14	9.5	11	199	<5.0	8.3
30	126	15	29	---	---	---	12	8.4	9.4	519	28	92
31	30	7.1	12	---	---	---	139	7.7	9.2	29	10	16
MAX	1200	39	197	---	---	---	---	---	---	---	---	---
MIN	9.6	5.0	5.6	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89 DATUM 869.40 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10	5.9	7.7	---	---	---	22	<5.0	7.0	15	<5.0	7.8
2	8.9	<5.0	5.3	---	---	---	22	<5.0	5.9	925	<5.0	7.5
3	12	<5.0	<5.0	---	---	---	6.4	<5.0	<5.0	151	9.4	18
4	784	6.5	58	17	<5.0	7.2	17	<5.0	<5.0	22	5.1	8.3
5	479	9.6	15	---	---	---	34	<5.0	10	>1200	7.0	12
6	318	8.2	30	---	---	---	661	<5.0	7.9	1090	113	264
7	236	15	31	---	---	---	107	11	20	343	62	118
8	18	7.8	9.8	---	---	---	20	6.1	9.8	213	26	42
9	12	5.4	6.6	---	---	---	28	7.8	12	48	16	23
10	157	7.1	34	---	---	---	---	---	---	22	9.1	14
11	16	6.2	8.9	20	8.3	10	---	---	---	66	8.1	14
12	11	5.0	6.0	14	6.8	8.4	25	6.1	12	26	8.8	12
13	12	<5.0	5.1	12	6.4	7.5	---	---	---	17	6.9	9.3
14	12	<5.0	6.1	14	6.0	7.2	---	---	---	19	6.7	9.9
15	12	<5.0	5.9	226	6.1	31	---	---	---	>1200	13	78
16	447	5.6	122	16	7.4	10	19	<5.0	<5.0	41	13	20
17	62	11	18	161	8.8	35	842	<5.0	7.7	1020	8.1	13
18	14	6.3	8.2	35	10	16	126	7.0	15	887	60	140
19	12	<5.0	5.7	915	11	54	10	<5.0	5.4	94	25	35
20	7.1	<5.0	<5.0	---	47	---	15	<5.0	<5.0	27	13	20
21	29	<5.0	5.2	60	16	37	888	<5.0	23	473	10	21
22	>1200	15	90	34	12	17	24	6.3	10	842	48	115
23	52	21	30	41	12	22	24	<5.0	7.4	74	25	36
24	24	12	16	---	---	---	21	5.7	8.9	27	14	20
25	22	9.6	12	---	---	---	872	10	112	746	10	15
26	110	9.4	14	---	---	---	155	18	30	172	15	23
27	103	18	34	---	---	---	19	9.2	12	32	9.9	14
28	---	---	---	14	5.0	6.2	21	7.3	9.8	23	7.0	9.9
29	---	---	---	21	<5.0	6.2	21	6.9	11	14	6.6	8.6
30	---	---	---	141	7.3	23	14	5.5	7.4	22	6.3	8.7
31	---	---	---	13	<5.0	8.1	---	---	---	14	5.9	9.2
MAX	---	---	---	---	---	---	---	---	---	1200	113	264
MIN	---	---	---	---	---	---	---	---	---	14	5.0	7.5

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< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335350 CROOKED CREEK NEAR NORCROSS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335754 LONGITUDE 0841554 NAD27 DRAINAGE AREA 8.89 CONTRIBUTING DRAINAGE AREA 8.89 DATUM 869.40 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19	5.3	7.4	>1200	33	230	29	5.1	8.2	8.8	<5.0	<5.0
2	29	5.3	8.8	210	37	56	34	<5.0	7.8	10	<5.0	<5.0
3	997	8.3	51	38	14	20	1160	14	140	12	<5.0	5.1
4	22	8.0	11	194	8.8	16	---	---	---	8.3	<5.0	<5.0
5	13	5.3	7.5	176	13	22	---	---	---	11	<5.0	5.6
6	77	5.7	8.8	21	6.6	9.2	793	8.5	42	8.3	<5.0	<5.0
7	---	20	---	19	<5.0	7.4	---	7.4	---	14	<5.0	5.4
8	281	25	39	46	5.3	8.8	139	14	25	9.2	<5.0	<5.0
9	26	10	16	12	<5.0	6.3	42	7.9	10	8.2	<5.0	5.0
10	35	8.0	10	208	<5.0	6.9	12	5.7	6.8	6.3	<5.0	<5.0
11	25	8.0	12	810	8.9	36	1820	<5.0	8.2	9.5	<5.0	<5.0
12	333	6.6	18	31	6.2	10	87	18	29	9.1	<5.0	<5.0
13	378	19	56	1040	<5.0	7.2	48	9.7	16	8.9	<5.0	<5.0
14	212	10	24	537	20	34	28	6.1	7.8	1680	<5.0	<5.0
15	28	6.1	9.0	20	6.0	10	13	<5.0	6.4	110	9.4	16
16	>1200	6.1	8.8	28	<5.0	6.8	308	<5.0	5.6	24	<5.0	5.0
17	1050	77	225	329	28	59	184	5.5	8.9	7.2	<5.0	<5.0
18	930	79	170	33	7.4	18	38	<5.0	5.7	8.6	<5.0	<5.0
19	153	43	72	26	<5.0	8.1	32	<5.0	5.6	7.9	<5.0	<5.0
20	52	22	33	---	<5.0	---	22	<5.0	5.8	8.9	<5.0	<5.0
21	26	13	17	224	18	40	109	<5.0	12	11	<5.0	<5.0
22	23	8.1	11	637	6.8	28	17	<5.0	7.1	>2200	<5.0	11
23	13	5.6	8.2	1190	20	64	45	<5.0	6.5	115	30	47
24	17	5.3	6.9	29	8.0	12	7.6	<5.0	<5.0	33	10	14
25	12	<5.0	6.6	38	5.4	8.6	11	<5.0	<5.0	13	6.4	8.8
26	15	<5.0	6.0	31	<5.0	15	23	<5.0	7.3	14	5.8	7.2
27	15	<5.0	6.4	25	<5.0	5.4	9.3	<5.0	5.3	208	<5.0	8.5
28	423	6.9	26	26	<5.0	5.4	16	<5.0	5.8	57	10	18
29	20	<5.0	6.7	15	<5.0	6.1	13	<5.0	7.4	12	<5.0	6.2
30	326	<5.0	<5.0	633	6.0	42	33	<5.0	7.0	11	<5.0	5.2
31	---	---	---	308	7.1	14	12	<5.0	5.6	---	---	---
MAX	---	79	---	---	37	---	---	---	---	2200	30	47
MIN	---	5.0	---	---	5.0	---	---	---	---	6.3	5.0	5.0

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

02335350 CROOKED CREEK NEAR NORCROSS, GA

LOCATION.—Lat 33°57'54", long 84°15'54" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03130001, 20.0 feet upstream of the bridge on Spalding drive, 3.2 miles northwest of Norcross, and 0.6 miles upstream from the Chattahoochee River.

DRAINAGE AREA.—8.89 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 16, 1976 to current year.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory and Missouri District Water Quality Laboratory. Field values with analyzing agency code 1028 are median values of cross-section field data at the time of sample collection. Field determinations of discharge, specific conductance, pH, water temperature, air temperature, dissolved oxygen, and turbidity by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Hydro-logic condi-tion	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Sam-pling method, code (82398)	Tur-bidity, NTU (00076)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Hard-ness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
OCT													
10...	1130	--	9	9	81213	3.94	7.4	10	12	7.0	87	29	8.50
NOV													
16-16	0015	0430	A	J	81213	--	--	55	440	6.9	50	15	4.40
DEC													
05-05	0045	0615	A	J	81213	--	--	55	270	6.5	51	14	4.20
30...	1510	--	9	9	81213	3.84	10	10	8.5	6.8	103	32	9.20
FEB													
13...	0900	--	9	9	81213	3.88	9.6	10	6.2	7.0	96	31	8.90
16-16	0604	1414	A	J	81213	--	--	55	160	6.3	59	18	5.50
APR													
01...	1600	--	9	9	81213	3.88	14	10	5.5	7.2	94	29	8.20
MAY													
15-15	0808	1320	A	J	81213	--	--	55	520	6.6	49	--	--
JUN													
02...	0915	--	9	9	81213	3.70	3.7	40	10	6.1	E175q	36	10.0
03-03	0217	0558	A	J	81213	--	--	55	570	6.8	64	18	5.40
JUL													
28...	1250	--	9	9	81213	3.74	7.8	10	6.2	7.3	103	32	9.10
SEP													
22-22	1430	1914	A	J	81213	--	--	55	980	5.2	35	9	2.50

02335350 CROOKED CREEK NEAR NORCROSS, GA —continued.

Date	Magnes-ium, water, fltrd, mg/L (00925)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Residue vola-tile, sus-pended, mg/L (00535)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, unfltrd mg/L (00600)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, high level, water, unfltrd mg/L (00340)
OCT													
10...	1.90	59	3	<1	<.20	.048	.26	.260	<.02	.02	--	.7	<5
NOV													
16-16	.87	39	640	52	1.5	.156	.38	.390	.02	.35	1.9	E8.0	15
DEC													
05-05	.94	32	412	40	1.5	.189	.44	.450	.03	.30	1.9	8.3	16
30...	2.30	69	6	<1	.90	.070	.42	.430	<.02	<.02	1.3	1.0	5
FEB													
13...	2.20	66	<1	<1	<.20	.038	.36	.360	<.02	<.02	--	.4	<5
16-16	1.10	35	216	24	.80	.131	.30	.310	<.02	.14	1.1	1.6	10
APR													
01...	2.10	64	9	3	.60	.382	.35	.340	.04	.03	.94	1.6	7
MAY													
15-15	--	34	665	68	1.8	.290	.37	.370	<.02	.38	2.2	E7.5	16
JUN													
02...	2.60	82	20	2	<.20	.039	.47	.480	<.02	<.02	--	.6	<5
03-03	1.20	48	700	71	2.2	.541	.72	.720	.02	.43	2.9	8.9	27
JUL													
28...	2.30	71	4	1	<.20	A.018	.37	.380	<.02	<.02	--	.6	<5
SEP													
22-22	.55	23	1810	158	2.5	A.123	.31	.310	<.02	.64	2.8	5.0	16

Date	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Zinc, water, unfltrd recover-able, ug/L (01092)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sampler type, code (84164)
OCT									
10...	<.5	<1	<2	<2	228	7	--	6	3044
NOV									
16-16	.5	14	16	20	783	122	44	1440	4115
DEC									
05-05	<.5	8	10	12	801	96	49	730	4115
30...	<.5	<1	<2	<2	355	14	--	4	3044
FEB									
13...	<.5	<1	<2	<2	268	13	--	4	3044
16-16	<.5	4	6	7	345	60	56	347	4115
APR									
01...	<.5	<1	3	<2	209	9	--	16	3044
MAY									
15-15	<.5	14	18	22	964	130	60	1210	4115
JUN									
02...	<.5	<1	<2	<2	318	7	--	23	3044
03-03	<.5	13	17	20	1110	151	74	912	4115
JUL									
28...	<.5	<1	<2	<2	220	6	--	11	3044
SEP									
22-22	.7	30	37	40	1820	241	20	3140	4115

02335350 CROOKED CREEK NEAR NORCROSS, GA —continued.

Date	Time	Ending time	Hydrologic condition	Hydrologic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT													
10...	1200	--	A	9	1028	3.94	7.4	40	15	8.4	92	6.8	87
NOV													
16-16	1214	1216	A	J	1028	6.55	223	40	>1300	10.1	--	7.0	46
DEC													
05-05	0743	0747	A	J	1028	5.36	109	40	120	10.3	83	5.8	61
30...	1520	--	A	9	1028	3.87	10	40	9.5	10.4	92	6.2	104
FEB													
13...	0910	--	9	9	1028	3.85	9.6	40	5.4	10.8	90	6.8	95
16-16	1055	1100	A	J	1028	6.50	214	40	370	10.2	89	6.2	63
APR													
01...	1605	--	A	9	1028	3.88	14	40	6.5	10.0	103	6.8	94
MAY													
15-15	0940	0945	A	J	1028	6.03	173	40	260	8.4	88	6.7	45
JUN													
02...	0930	--	A	9	1028	3.70	3.7	40	13	8.6	91	7.0	110
JUN													
03-03	0955	1010	A	J	1028	5.33	109	40	240	8.3	94	6.9	72
JUL													
28...	1300	--	9	9	1028	3.74	7.8	40	5.6	8.1	100	7.1	100
SEP													
22-22	1645	1650	8	J	--	6.76	250	40	500	7.6	91	7.1	38

Date	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Sampler type, code (84164)
OCT			
10...	18.0	18.8	--
NOV			
16-16	--	13.4	--
DEC			
05-05	5.0	4.8	--
30...	--	9.2	--
FEB			
13...	8.5	6.4	8000
16-16	6.5	9.5	--
APR			
01...	--	15.8	8000
MAY			
15-15	--	17.7	8000
JUN			
02...	21.8	16.8	8000
03-03	23.0	19.8	8000
JUL			
28...	31.0	25.2	8000
SEP			
22-22	22.0	23.0	8000

Remark codes used in this report:
< -- Less than
> -- Greater than
A -- Average value
E -- Estimated value
S -- Most probable value

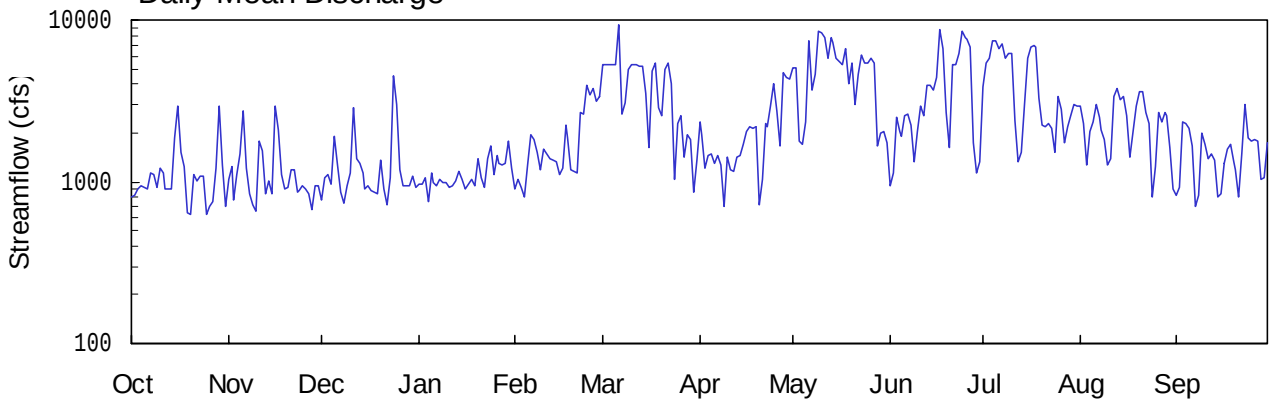
Value qualifier codes used in this report:
a -- Value was extrapolated above
f -- Sample field preparation problem
l -- Sample lab preparation problem
q -- Insufficient sample received

2003 Water Year

02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA

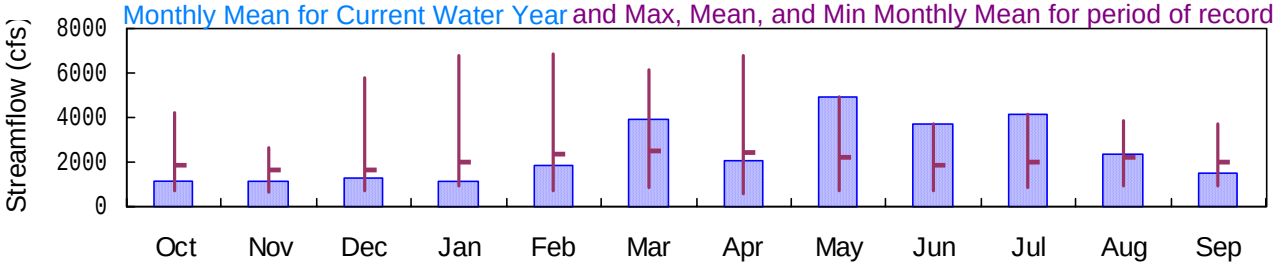
Latitude: 33°59'09" Longitude: 084°18'58" Hydrologic Unit Code: 03130001 Fulton County
Drainage Area: 1220. mi^2 Datum: 858.0 feet

Daily Mean Discharge

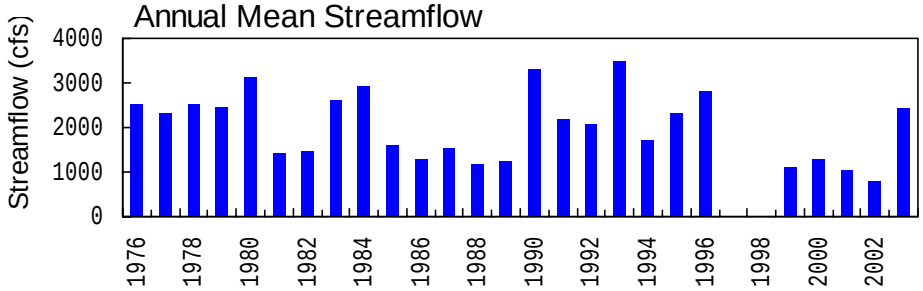


Monthly Statistics

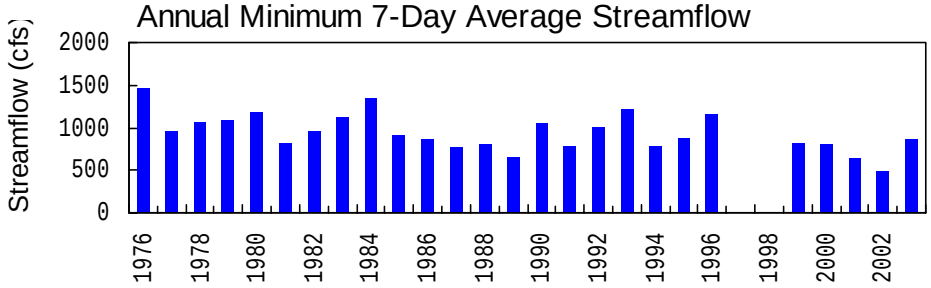
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



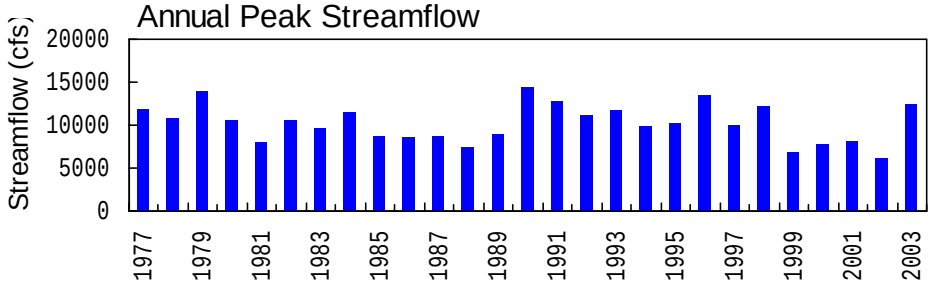
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



02335450 - Chattahoochee River above Roswell, GA

APALACHICOLA RIVER BASIN
2003 Water Year

02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA

LOCATION.—Lat 33°59'09", long 84°18'58" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130001, on right bank at Eves Road, 3.3 miles upstream from Big Creek, and 2.2 miles upstream from GA 400, 3.6 miles southeast of Roswell, and at mile 320.6.

DRAINAGE AREA.—1,220 square miles, approximately.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1941 to May 1960 (published as 02335500, Chattahoochee River "near Roswell"), July 1976 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 858.01 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to July 7, 1976, at site 1.8 miles downstream at datum 8.51 feet lower.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Flow regulated by Lake Sidney Lanier since January 1956. Statistics prior to regulation are available upon request.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1941 to May 1960 (published as 02335500, Chattahoochee River "near Roswell"), July 1976 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 858.01 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to July 7, 1976, at site 1.8 miles downstream at datum 8.51 feet lower.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 9.20 feet, March 6; minimum gage-height recorded, 2.62 feet, September 8.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 1, 2002 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335909 LONGITUDE 0841858 NAD27 DRAINAGE AREA 1220.00* CONTRIBUTING DRAINAGE AREA DATUM 858.01 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	799	1040	769	973	910	5250	2340	5050	948	3830	2910	824
2	825	1240	1070	970	1030	5250	1940	5090	1130	5450	2300	926
3	900	766	1120	1070	919	5260	1220	1800	2530	5810	1260	2320
4	949	1110	964	751	804	5310	1450	1720	2030	7390	2030	2290
5	931	1490	1920	1130	1280	5360	1470	2340	1920	7410	2370	2140
6	905	2710	1260	982	1940	9270	1300	7530	2590	6620	2990	1680
7	1130	1210	864	950	1820	2610	1460	3690	2640	7160	2520	710
8	1120	838	736	1040	1530	3090	1260	e4640	2240	5800	2100	826
9	932	727	938	992	1180	4990	702	8590	1310	6240	1810	2010
10	1220	664	1120	990	1570	5300	1410	8420	2060	6270	1270	1720
11	1120	1770	2860	919	1470	5260	1190	7780	2910	2400	1380	1390
12	903	1560	1380	940	1400	5300	1170	5810	2590	1330	3350	1500
13	912	834	1310	1020	1350	5210	1430	7820	3960	1510	3750	1350
14	907	1020	1140	1160	1340	5230	1450	7260	3960	3010	3240	798
15	1870	839	893	1020	1110	3490	1720	5780	3680	5760	3370	848
16	2960	2960	945	894	1210	1610	2070	5500	4370	6860	2580	1290
17	1510	2090	877	969	2260	4820	2170	5350	8640	6920	1430	1590
18	1240	1100	857	1020	1870	5400	2140	6700	6670	6770	2030	1700
19	650	909	850	947	1190	2890	2200	3990	2660	3320	2950	e1330
20	629	921	1360	1380	1150	2560	728	5400	1640	2260	3570	1190
21	1120	1180	906	1050	1120	4940	1030	2980	5280	2180	3610	805
22	1000	1170	723	923	2670	5410	2310	4630	5290	2300	2680	1480
23	1090	871	1060	1380	2600	3990	2190	6110	6260	2140	2300	3030
24	1080	883	4540	1680	3920	1040	2970	5380	8590	1500	806	1880
25	623	951	2980	1100	3410	2310	4070	5440	7740	3380	1250	1780
26	701	902	1190	1460	3760	2570	2760	5860	7680	2840	2670	1820
27	753	848	952	1300	3120	1420	1680	5370	6760	1750	2350	1770
28	1210	673	942	1260	3380	1940	4760	1660	1760	2190	2670	1040
29	2910	936	938	1290	---	e1810	4420	2020	1120	2550	2580	1060
30	1260	935	1080	1800	---	855	4350	2050	1340	3000	1630	1760
31	710	---	e919	1220	---	1360	---	1740	---	2910	897	---
TOTAL	34869	35147	39463	34580	51313	121105	61360	153500	112298	128860	72653	44857
MEAN	1125	1172	1273	1115	1833	3907	2045	4952	3743	4157	2344	1495
MAX	2960	2960	4540	1800	3920	9270	4760	8590	8640	7410	3750	3030
MIN	623	664	723	751	804	855	702	1660	948	1330	806	710
CFSM	0.92	0.96	1.04	0.91	1.50	3.20	1.68	4.06	3.07	3.41	1.92	1.23
IN.	1.06	1.07	1.20	1.05	1.56	3.69	1.87	4.68	3.42	3.93	2.22	1.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2003, BY WATER YEAR (WY)

MEAN	1834	1618	1661	2013	2346	2475	2444	2227	1822	1995	2210	1997
MAX	4239	2659	5797	6797	6872	6114	6784	4952	3743	4157	3844	3742
(WY)	1992	1990	1993	1993	1996	1990	1980	2003	2003	2003	1994	1991
MIN	695	624	729	909	715	838	596	717	703	842	910	945
(WY)	2002	2002	2002	1989	2002	2002	2002	2002	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1976 - 2003	
ANNUAL TOTAL	334747		890005			
ANNUAL MEAN	917		2438		2051	
HIGHEST ANNUAL MEAN					3485	1993
LOWEST ANNUAL MEAN					789	2002
HIGHEST DAILY MEAN	4540	Dec 24	9270	Mar 6	10900	Mar 17 1990
LOWEST DAILY MEAN	369	May 12	623	Oct 25	323	May 28 1989
ANNUAL SEVEN-DAY MINIMUM	486	Apr 5	859	Nov 25	486	Apr 5 2002
MAXIMUM PEAK FLOW			12500	Mar 6, Jun 17	14500	Mar 17 1990
MAXIMUM PEAK STAGE			9.20	Mar 6	9.89	Mar 17 1990
ANNUAL RUNOFF (CFSM)	0.75		2.00		1.68	
ANNUAL RUNOFF (INCHES)	10.21		27.14		22.84	
10 PERCENT EXCEEDS	1370		5400		4050	
50 PERCENT EXCEEDS	804		1680		1440	
90 PERCENT EXCEEDS	528		881		729	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335909 LONGITUDE 0841858 NAD27 DRAINAGE AREA 1220.00* CONTRIBUTING DRAINAGE AREA DATUM 858.01 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.09	3.33	3.05	3.21	3.13	6.11	4.34	6.01	3.23	5.24	4.69	3.09
2	3.12	3.53	3.35	3.20	3.24	6.11	4.06	6.03	3.39	6.19	4.26	3.09
3	3.19	3.05	3.42	3.29	3.13	6.12	3.39	3.82	4.46	6.39	3.55	4.28
4	3.24	3.39	3.25	2.96	3.03	6.14	3.59	3.80	4.09	7.14	4.16	4.25
5	3.22	3.71	4.10	3.35	3.46	6.17	3.62	4.25	3.99	7.15	4.34	4.15
6	3.18	4.65	3.55	3.20	4.03	7.89	3.47	7.15	4.47	6.78	4.74	3.76
7	3.40	3.50	3.16	3.17	3.94	4.50	3.63	5.24	4.54	7.04	4.42	2.97
8	3.39	3.13	3.02	3.25	3.69	4.81	3.45	---	4.33	6.39	4.14	3.07
9	3.22	3.01	3.24	3.21	3.38	5.97	2.91	7.67	3.57	6.61	3.91	4.06
10	3.47	2.94	3.36	3.21	3.74	6.14	3.58	7.60	4.10	6.62	3.54	3.80
11	3.38	3.94	4.75	3.14	3.64	6.12	3.41	7.31	4.72	4.35	3.57	3.61
12	3.19	3.82	3.66	3.16	3.57	6.14	3.37	6.39	4.46	3.58	5.00	3.69
13	3.20	3.13	3.60	3.25	3.52	6.09	3.58	7.33	5.33	3.72	5.25	3.55
14	3.19	3.33	3.45	3.31	3.51	6.10	3.58	7.07	5.37	4.83	4.92	3.08
15	3.99	3.13	3.20	3.24	3.32	5.07	3.82	6.38	5.19	6.37	5.01	3.13
16	4.78	4.78	3.25	3.10	3.44	3.75	4.07	6.24	5.55	6.90	4.45	3.51
17	3.72	4.21	3.18	3.19	4.30	5.85	4.14	6.16	7.58	6.93	3.64	3.75
18	3.52	3.41	3.15	3.22	4.00	6.19	4.12	6.80	6.79	6.86	4.09	3.81
19	2.92	3.21	3.14	3.16	3.39	4.60	4.12	5.39	4.59	4.94	4.73	---
20	2.90	3.22	3.64	3.57	3.35	4.49	2.94	6.19	3.81	4.26	5.14	3.42
21	3.40	3.48	3.21	3.26	3.33	5.94	3.22	4.69	6.13	4.20	5.17	3.08
22	3.29	3.48	3.00	3.14	4.52	6.19	4.23	5.55	6.13	4.31	4.52	3.66
23	3.38	3.17	3.37	3.60	4.52	5.39	4.14	6.54	6.59	4.21	4.23	4.71
24	3.38	3.18	5.52	3.83	5.36	3.25	4.76	6.18	7.67	3.72	3.10	3.92
25	2.89	3.23	4.79	3.30	5.03	4.24	5.43	6.21	7.30	5.04	3.44	3.84
26	2.98	3.20	3.42	3.62	5.25	4.48	4.51	6.42	7.27	4.63	4.55	3.88
27	3.03	3.15	3.18	3.48	4.87	3.59	3.80	6.18	6.83	3.89	4.31	3.85
28	3.44	2.95	3.17	3.44	5.03	3.96	5.85	3.79	3.86	4.22	4.54	3.26
29	4.78	3.24	3.16	3.46	---	---	5.64	4.08	3.38	4.45	4.48	3.27
30	3.54	3.22	3.29	3.94	---	3.08	5.60	4.11	3.56	4.78	3.74	3.82
31	2.99	---	---	3.44	---	3.53	---	3.85	---	4.69	3.18	---
MEAN	3.37	3.42	---	3.32	3.88	---	4.01	---	5.08	5.37	4.28	---
MAX	4.78	4.78	---	3.94	5.36	---	5.85	---	7.67	7.15	5.25	---
MIN	2.89	2.94	---	2.96	3.03	---	2.91	---	3.23	3.58	3.10	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335909 LONGITUDE 0841858 NAD27 DRAINAGE AREA 1220.00* CONTRIBUTING DRAINAGE AREA DATUM 858.01 NGVD29

APPROVED

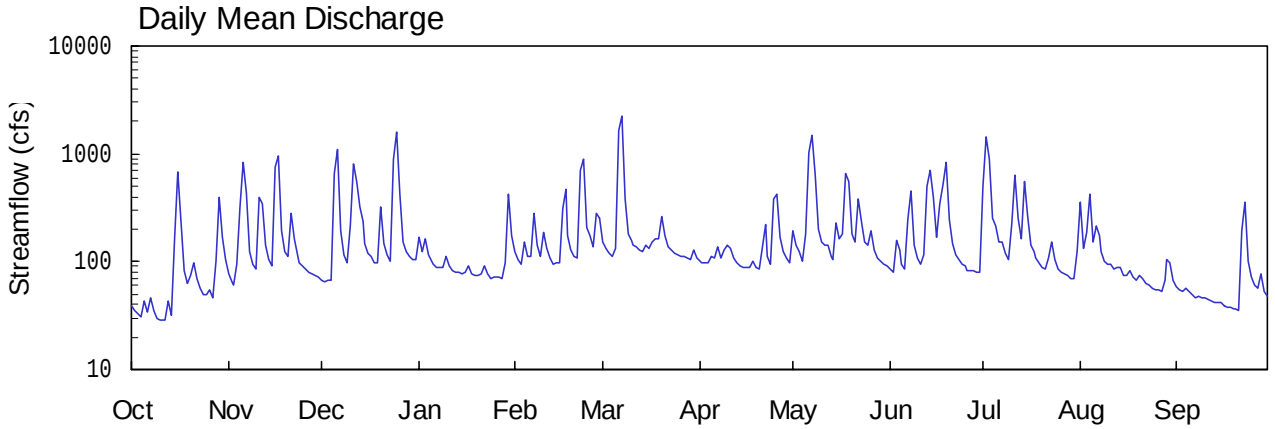
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

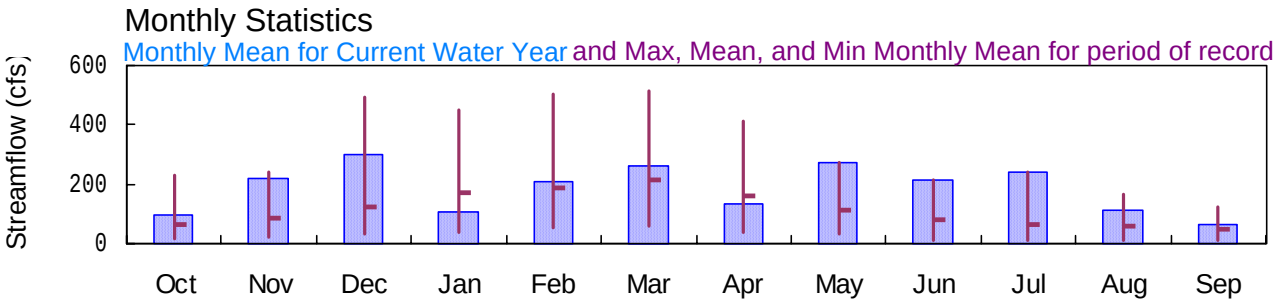
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.14	0.00	0.00	0.00	---	0.00	3.67	0.01	0.00
2	0.00	0.00	0.00	0.22	0.00	0.00	0.00	---	0.00	0.02	0.00	0.00
3	0.00	0.35	0.00	0.01	0.00	0.00	0.00	---	1.24	0.00	1.20	0.00
4	0.22	0.20	0.19	0.00	0.29	0.01	0.00	---	0.00	0.02	0.02	0.00
5	0.01	1.86	0.91	0.00	0.00	1.07	0.21	---	0.00	0.00	0.19	0.00
6	0.00	0.00	0.00	0.00	0.67	1.17	0.20	---	0.33	0.06	0.01	0.00
7	0.18	0.00	0.00	0.00	0.05	0.00	0.12	---	1.28	0.01	0.01	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.01	0.00	0.00	0.00
9	0.00	0.00	0.00	0.18	0.13	0.00	---	---	0.00	0.00	0.00	0.00
10	0.00	0.01	1.32	0.10	0.39	0.00	---	---	0.00	0.46	0.07	0.00
11	0.02	1.12	0.02	0.00	0.00	0.00	---	---	0.35	0.01	0.07	0.00
12	0.07	0.18	0.00	0.00	0.00	0.00	---	---	0.29	0.00	0.11	0.00
13	0.01	0.00	0.63	0.00	0.00	0.00	---	---	1.20	0.07	0.08	0.00
14	0.00	0.00	0.00	0.00	0.08	0.00	---	0.00	0.01	0.17	0.00	0.00
15	3.44	0.73	0.00	0.00	0.00	0.27	---	0.94	0.00	0.02	0.00	0.01
16	0.06	1.21	0.00	0.14	---	0.00	---	0.01	4.36	0.04	0.00	0.00
17	0.00	0.00	0.00	0.00	---	0.37	---	0.72	1.09	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	---	0.02	---	1.70	1.53	0.00	0.00	0.00
19	0.00	0.08	0.68	0.00	---	0.37	---	0.00	0.04	0.00	0.01	0.00
20	0.39	0.42	0.02	0.00	---	0.25	---	0.00	0.01	0.00	0.00	0.00
21	0.01	0.29	0.00	0.09	---	0.00	---	0.39	0.00	0.00	0.00	0.00
22	0.00	0.01	0.00	0.04	---	0.00	---	1.50	0.01	0.79	0.04	1.92
23	0.00	0.00	0.08	0.00	---	0.00	---	0.00	0.00	0.60	0.01	0.01
24	0.00	0.00	2.30	0.00	---	0.01	---	0.00	0.01	0.00	0.00	0.00
25	0.09	0.00	0.03	0.00	---	0.00	---	1.04	0.10	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	---	0.00	---	0.03	0.00	0.00	0.00	0.00
27	0.01	0.00	0.00	0.00	---	0.00	---	0.00	0.01	0.00	0.00	0.79
28	1.49	0.00	0.00	0.00	0.00	0.00	---	0.00	0.23	0.01	0.11	0.01
29	0.45	0.00	0.00	0.65	---	0.05	---	0.00	0.00	0.00	0.99	0.00
30	0.01	0.00	0.00	0.63	---	0.26	---	0.00	0.43	0.68	0.05	0.00
31	0.00	---	0.19	0.05	---	0.00	---	0.00	---	0.80	0.00	---
TOTAL	6.46	6.46	6.37	2.25	---	3.85	---	---	12.53	7.43	2.98	2.74

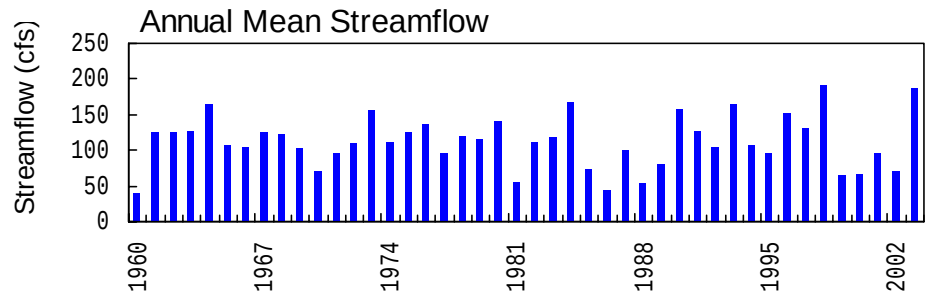
2003 Water Year

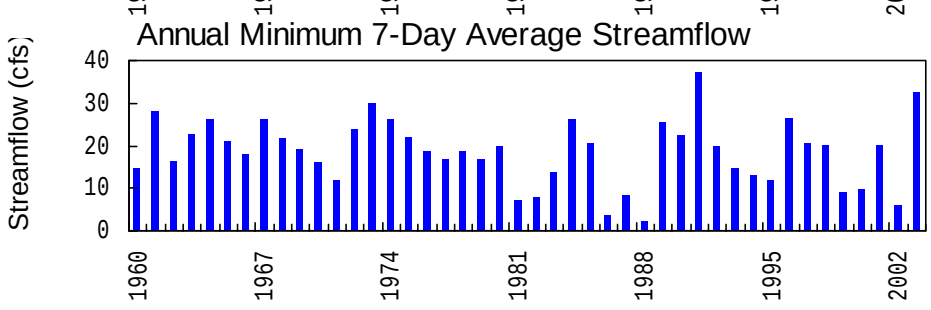
02335700 BIG CREEK NEAR ALPHARETTA, GA

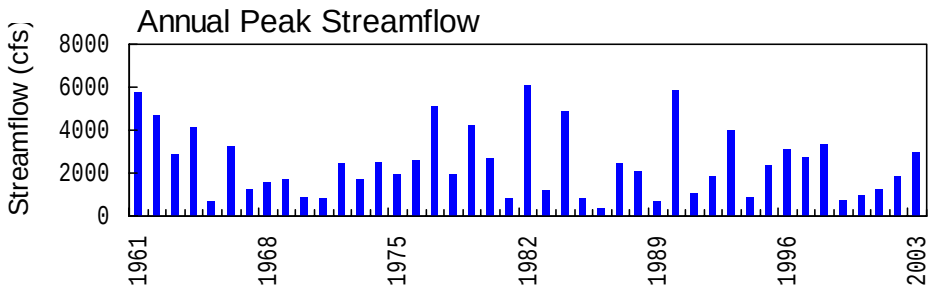
Latitude: 34°03'02" Longitude: 084°16'10" Hydrologic Unit Code: 03130001 Fulton County
Drainage Area: 72.0 mi^2 Datum: 960.8 feet

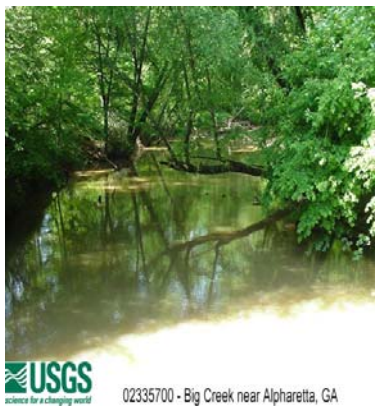












APALACHICOLA RIVER BASIN
2003 Water Year

02335700 BIG CREEK NEAR ALPHARETTA, GA

LOCATION.—Lat 34°03'02", long 84°16'10" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit 03130001, on left bank at downstream side of bridge on Kimball Bridge Road, 2.6 miles southeast of Alpharetta, and 9.4 miles upstream from mouth.

DRAINAGE AREA.—72.0 square miles, approximately.

COOPERATION.—Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1960 to current year.

GAGE.—Phone telemetry with a water-stage recorder. Datum of gage is 960.80 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Soil Conservation Service).

REMARKS.—Records good.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 800 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/07	0215	848	7.17
11/17	1130	1,120	8.02
12/06	1300	1,400	8.73
12/12	0415	972	7.57
12/25	1430	1,770	9.46
02/23	1215	1,060	7.85
03/07	0230	2,930*	10.91*
05/07	0215	1,730	9.40
05/19	0130	842	7.15
06/13	1800	1,060	7.86
06/19	1130	875	7.26
07/02	2215	1,590	9.14

02335700 BIG CREEK NEAR ALPHARETTA, GA—continued.

WATER–STAGE RECORDS

PERIOD OF RECORD.—May 1960 to current year.

GAGE.—Phone telemetry with a water-stage recorder. Datum of gage is 960.80 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Soil Conservation Service).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 10.91 feet, March 7; minimum gage-height recorded, 1.63 feet, October 12, 13, 15, September 21.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 18, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335700 BIG CREEK NEAR ALPHARETTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 340302 LONGITUDE 0841610 NAD83 DRAINAGE AREA 72.00* CONTRIBUTING DRAINAGE AREA DATUM 960.80 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	76	68	169	123	151	102	195	85	497	353	59
2	35	66	66	123	104	134	99	140	79	1440	135	55
3	33	61	67	165	95	120	97	123	160	906	187	53
4	31	95	68	115	151	113	97	100	127	251	417	57
5	43	318	649	102	111	132	110	179	94	216	150	52
6	35	821	1090	95	112	1640	107	1010	87	153	212	49
7	46	443	192	89	276	2220	137	1480	243	151	177	46
8	35	124	116	88	141	385	110	626	457	118	125	48
9	30	94	99	88	111	183	130	200	141	105	102	47
10	29	84	216	113	189	156	143	152	107	221	96	46
11	29	396	815	90	132	143	132	142	94	643	93	45
12	29	342	560	83	107	136	109	143	117	250	85	43
13	43	141	326	81	96	130	98	112	504	163	89	42
14	32	103	240	80	97	126	92	104	712	561	88	41
15	165	91	147	78	97	141	89	225	400	266	76	41
16	687	765	121	80	310	131	88	162	169	141	73	40
17	234	966	113	91	474	152	88	182	349	126	83	38
18	84	196	99	77	176	165	101	654	519	107	72	37
19	62	125	98	76	129	163	89	545	830	96	66	37
20	74	111	325	75	113	260	84	181	248	89	75	36
21	99	284	148	78	107	173	137	154	145	84	69	35
22	70	164	117	91	693	140	221	386	118	108	63	195
23	56	115	102	78	904	128	110	233	104	150	61	361
24	50	98	906	69	207	119	94	153	95	105	57	100
25	49	91	1590	71	175	115	378	142	90	87	56	71
26	54	85	424	73	138	111	426	190	84	80	55	60
27	47	81	153	71	276	111	166	129	81	76	53	57
28	102	77	125	70	257	107	126	109	83	73	66	76
29	396	73	111	97	---	105	107	101	80	70	106	53
30	168	72	103	417	---	128	98	94	79	70	97	48
31	103	---	104	177	---	109	---	90	---	124	68	---
TOTAL	2989	6558	9358	3250	5901	8127	3965	8436	6481	7527	3505	1968
MEAN	96.4	219	302	105	211	262	132	272	216	243	113	65.6
MAX	687	966	1590	417	904	2220	426	1480	830	1440	417	361
MIN	29	61	66	69	95	105	84	90	79	70	53	35
CFSM	1.34	3.04	4.19	1.46	2.93	3.64	1.84	3.78	3.00	3.37	1.57	0.91
IN.	1.54	3.39	4.83	1.68	3.05	4.20	2.05	4.36	3.35	3.89	1.81	1.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2003, BY WATER YEAR (WY)

MEAN	66.2	83.0	123	170	186	213	160	115	81.3	65.2	58.4	49.6
MAX	231	242	495	453	502	512	415	272	216	243	166	124
(WY)	1990	1993	1984	1993	1961	1980	1979	2003	2003	2003	1967	2000
MIN	13.8	19.2	33.1	40.1	54.4	60.0	37.2	31.3	10.5	10.5	9.45	11.8
(WY)	1982	1982	1989	1981	1986	1988	1986	1988	1988	1986	2002	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1960 - 2003	
ANNUAL TOTAL	41623.0		68065			
ANNUAL MEAN	114		186		114	
HIGHEST ANNUAL MEAN					192	1998
LOWEST ANNUAL MEAN					45.5	1986
HIGHEST DAILY MEAN	1590	Dec 25	2220	Mar 7	4480	Feb 3 1982
LOWEST DAILY MEAN	5.6	Sep 9	29	Oct 10	1.7	Jul 22 1986
ANNUAL SEVEN-DAY MINIMUM	5.8	Sep 6	32	Oct 8	2.3	Jul 15 1988
MAXIMUM PEAK FLOW			2930	Mar 7	6100	Feb 3 1982
MAXIMUM PEAK STAGE			10.91	Mar 7	13.05	Feb 3 1982
ANNUAL RUNOFF (CFSM)	1.58		2.59		1.59	
ANNUAL RUNOFF (INCHES)	21.51		35.17		21.57	
10 PERCENT EXCEEDS	226		398		202	
50 PERCENT EXCEEDS	55		108		69	
90 PERCENT EXCEEDS	10		53		25	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335700 BIG CREEK NEAR ALPHARETTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 340302 LONGITUDE 0841610 NAD83 DRAINAGE AREA 72.00* CONTRIBUTING DRAINAGE AREA DATUM 960.80 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.88	2.47	2.35	3.54	3.06	3.21	2.64	3.63	2.43	5.06	4.96	2.06
2	1.80	2.32	2.32	3.06	2.83	3.02	2.62	3.08	2.35	8.82	3.02	2.00
3	1.76	2.25	2.34	3.50	2.72	2.86	2.59	2.89	3.28	6.94	3.48	1.96
4	1.71	2.71	2.36	2.97	3.33	2.78	2.59	2.62	2.93	4.08	5.26	2.02
5	1.95	4.30	6.32	2.81	2.92	2.93	2.74	3.24	2.55	3.86	3.20	1.95
6	1.79	7.08	7.86	2.73	2.91	9.01	2.71	7.58	2.45	3.22	3.77	1.89
7	2.00	5.18	3.72	2.65	4.43	10.01	3.05	8.90	3.89	3.21	3.46	1.84
8	1.80	3.06	2.98	2.63	3.25	4.87	2.74	6.10	5.42	2.84	2.91	1.88
9	1.69	2.71	2.77	2.63	2.93	3.55	2.97	3.72	3.09	2.68	2.65	1.85
10	1.67	2.58	3.55	2.95	3.71	3.27	3.11	3.22	2.71	3.65	2.57	1.84
11	1.67	5.00	7.06	2.66	3.16	3.11	3.00	3.10	2.55	6.42	2.54	1.83
12	1.66	4.81	5.74	2.57	2.88	3.04	2.73	3.11	2.80	4.05	2.44	1.79
13	1.95	3.25	4.75	2.53	2.73	2.96	2.60	2.77	5.35	3.28	2.48	1.76
14	1.73	2.83	4.15	2.53	2.75	2.92	2.52	2.67	6.61	6.07	2.47	1.75
15	2.93	2.67	3.32	2.49	2.75	3.10	2.49	3.86	5.12	4.17	2.31	1.76
16	6.59	6.77	3.04	2.52	4.45	2.98	2.47	3.32	3.40	3.09	2.27	1.73
17	3.94	7.51	2.95	2.67	5.61	3.21	2.47	3.43	4.88	2.92	2.41	1.70
18	2.57	3.76	2.77	2.49	3.60	3.35	2.63	6.44	5.55	2.71	2.26	1.68
19	2.27	3.09	2.75	2.46	3.12	3.33	2.48	5.77	7.10	2.58	2.17	1.67
20	2.41	2.92	4.77	2.46	2.94	4.25	2.43	3.53	4.09	2.49	2.29	1.67
21	2.77	4.49	3.32	2.50	2.87	3.45	3.01	3.24	3.14	2.42	2.21	1.64
22	2.37	3.49	3.00	2.68	6.25	3.08	3.87	5.07	2.83	2.70	2.12	3.06
23	2.17	2.97	2.82	2.50	7.29	2.94	2.75	4.00	2.67	3.19	2.09	4.84
24	2.07	2.77	6.76	2.37	3.78	2.85	2.55	3.23	2.56	2.68	2.03	2.65
25	2.06	2.67	9.14	2.41	3.45	2.80	4.97	3.10	2.50	2.46	2.01	2.30
26	2.14	2.59	5.02	2.43	3.05	2.76	5.28	3.61	2.41	2.37	1.99	2.16
27	2.02	2.54	3.38	2.41	4.38	2.75	3.37	2.96	2.38	2.31	1.96	2.12
28	2.81	2.48	3.09	2.38	4.21	2.71	2.92	2.74	2.41	2.27	2.15	2.40
29	5.23	2.43	2.93	2.70	---	2.69	2.71	2.64	2.37	2.22	2.64	2.07
30	3.51	2.41	2.83	5.33	---	2.95	2.60	2.55	2.35	2.23	2.57	1.98
31	2.82	---	2.83	3.60	---	2.73	---	2.50	---	2.81	2.19	---
MEAN	2.44	3.54	3.97	2.78	3.62	3.53	2.92	3.83	3.47	3.54	2.67	2.06
MAX	6.59	7.51	9.14	5.33	7.29	10.01	5.28	8.90	7.10	8.82	5.26	4.84
MIN	1.66	2.25	2.32	2.37	2.72	2.69	2.43	2.50	2.35	2.22	1.96	1.64

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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LATITUDE 340302 LONGITUDE 0841610 NAD83 DRAINAGE AREA 72.00* CONTRIBUTING DRAINAGE AREA DATUM 960.80 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.08	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	3.22	0.01	0.00
2	0.04	0.00	0.00	0.23	0.00	0.00	0.00	0.49	0.00	0.02	0.00	0.00
3	0.00	0.29	0.00	0.00	0.00	0.03	0.00	0.00	0.76	0.00	1.46	0.02
4	0.06	0.17	0.00	0.00	0.30	0.01	0.00	0.00	0.02	1.12	0.01	0.00
5	0.00	1.96	0.00	0.00	0.00	1.11	0.25	---	0.00	0.08	0.26	0.00
6	0.03	0.02	0.00	0.00	0.71	---	0.16	---	0.39	0.02	1.06	0.00
7	0.16	0.00	0.00	0.00	0.02	---	0.16	---	1.14	0.01	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	---	0.08	---	0.01	0.00	0.00	0.00
9	0.00	0.01	0.00	0.15	0.12	---	0.20	---	0.00	0.00	0.00	0.00
10	0.01	0.00	0.00	0.04	0.34	---	0.15	---	0.00	1.10	0.27	0.00
11	0.04	1.34	0.00	0.00	0.00	0.00	0.00	---	0.12	0.00	---	0.00
12	0.04	0.33	0.00	0.00	0.00	0.00	0.00	---	0.39	0.00	---	0.00
13	0.02	0.00	0.00	0.00	0.00	0.00	0.00	---	2.57	0.55	---	0.00
14	0.00	0.00	0.00	0.00	0.07	0.00	0.00	---	0.01	0.04	---	0.00
15	2.79	0.05	0.00	0.00	0.00	0.28	0.00	---	0.00	0.00	---	0.00
16	0.03	0.25	0.00	0.14	1.18	0.00	0.00	---	0.78	0.04	---	0.00
17	0.00	0.00	0.01	0.00	0.00	0.58	0.11	---	0.56	0.00	---	0.00
18	0.00	0.00	0.00	0.00	0.00	0.02	0.00	---	1.61	0.00	---	0.00
19	0.00	0.00	0.72	0.00	0.00	0.40	0.00	---	0.05	0.00	0.00	0.00
20	0.65	0.00	0.02	0.00	0.00	0.27	0.00	---	0.00	0.00	0.02	0.00
21	0.01	0.00	0.00	0.05	0.13	0.00	0.44	0.38	0.00	0.01	0.00	0.00
22	0.00	0.00	---	0.04	1.55	0.00	0.00	0.92	0.00	0.43	0.00	1.75
23	0.00	0.00	---	0.00	0.01	0.00	0.00	0.00	0.00	0.32	0.00	0.00
24	---	0.00	---	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00
25	---	0.00	---	0.00	0.00	0.00	1.31	0.60	0.00	0.00	0.00	0.00
26	0.01	0.00	---	0.00	0.33	0.00	0.49	0.01	0.00	0.00	0.00	0.00
27	0.00	0.00	---	0.00	0.28	0.00	0.04	0.00	0.00	0.00	0.00	0.19
28	1.42	0.00	---	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.04	0.00
29	0.46	0.00	---	1.00	---	0.06	0.02	0.00	0.00	0.00	0.65	0.00
30	0.01	0.00	---	0.44	---	0.24	0.01	0.00	0.29	0.23	0.07	0.00
31	0.00	---	---	0.00	---	0.00	---	0.00	---	0.79	0.00	---
TOTAL	---	4.42	---	2.28	5.04	---	3.54	---	8.79	7.98	---	1.96

APALACHICOLA RIVER BASIN
2003 Water Year

02335810 CHATTAHOOCHEE RIVER AT MORGAN FALLS DAM, AT SANDY SPRINGS, GA

LOCATION.—Lat 33°58'06", long 84°22'58" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit 03130001, on upstream side of Morgan Falls Dam 3.9 miles upstream from mouth of Sope Creek at river mile 312.6.

DRAINAGE AREA.—1,370 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 1988 to current year.

REVISED RECORDS.—WDR GA-90-1: 1988-89.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 12.52 feet below National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment. Prior to October 1, 2001, the datum of gage was 0.00 feet referenced to NGVD of 1929.

REMARKS.—Records good. Flow regulated by Lake Sidney Lanier since January 1956.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage-height recorded, 866.58 feet, February 16, 1995; minimum gage-height recorded, 857.60 feet, November 9, 1989. Extremes have been adjusted to current gage datum.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 866.38 feet, March 6; minimum gage-height recorded, 855.77 feet, October 28.

PRECIPITATION RECORDS

PERIOD OF RECORD.—January 25, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335810 CHATTAHOOCHEE RIVER AT MORGAN FALLS DAM, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335806 LONGITUDE 0842258 NAD83 DRAINAGE AREA 1370.00* CONTRIBUTING DRAINAGE AREA DATUM -12.52 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	865.12	865.71	863.92	863.27	865.65	865.08	865.51	865.46	865.38	864.94	864.56	865.72
2	864.63	865.82	862.63	864.13	865.20	865.00	863.94	865.26	865.11	865.30	865.23	865.01
3	864.64	865.81	864.20	864.50	865.04	864.93	865.82	864.09	864.76	865.16	865.63	---
4	864.73	865.69	864.84	865.01	864.65	865.05	865.55	864.92	864.96	865.03	865.28	864.86
5	864.99	865.58	865.28	864.36	864.88	865.10	865.57	865.24	864.22	865.03	864.88	864.67
6	865.05	865.56	865.87	864.72	865.42	865.40	865.46	865.54	864.14	864.98	864.61	865.54
7	865.34	865.95	865.90	864.48	865.29	865.08	864.48	865.25	865.24	---	864.97	865.79
8	865.81	865.82	865.73	864.17	865.71	865.06	864.70	864.66	865.52	---	864.66	865.39
9	865.48	865.77	865.41	864.48	865.47	864.91	865.01	865.75	865.12	865.12	865.60	864.94
10	865.61	864.95	865.24	864.47	865.58	865.04	865.24	865.62	864.41	865.32	865.90	865.09
11	865.74	865.03	865.50	864.32	865.50	865.05	865.42	865.40	863.62	865.35	864.46	865.37
12	865.49	865.56	865.84	863.85	865.21	864.97	865.87	864.81	864.09	865.73	863.64	865.31
13	865.30	865.85	865.44	863.64	862.79	865.06	865.37	865.19	865.20	865.47	864.60	865.69
14	865.10	865.80	865.88	863.08	865.65	864.93	865.09	865.32	865.24	865.73	863.93	865.82
15	865.04	865.73	865.84	864.37	865.53	864.96	864.65	864.87	864.53	865.23	864.16	865.52
16	865.48	865.25	865.88	863.52	865.12	865.26	864.43	864.97	864.11	865.62	864.99	---
17	865.85	865.31	865.89	862.96	865.54	865.21	864.73	864.88	865.35	865.42	865.26	864.99
18	865.93	865.86	865.71	862.03	865.51	865.38	864.50	865.54	865.32	---	864.65	865.41
19	865.56	865.85	865.46	862.29	865.89	864.81	865.27	864.83	865.39	---	864.62	865.65
20	864.12	865.88	865.88	862.34	865.73	865.09	865.91	865.15	864.91	---	864.36	865.47
21	864.51	865.71	865.86	861.15	865.45	865.08	865.28	865.00	864.98	865.01	864.30	865.84
22	865.10	865.84	865.63	861.50	865.07	865.00	864.55	864.99	865.08	864.98	864.42	865.57
23	865.25	865.79	865.48	864.19	865.55	865.36	864.46	864.71	865.18	865.23	865.32	865.07
24	865.63	865.79	865.70	865.68	865.09	864.94	864.64	864.52	865.08	865.12	865.86	864.90
25	865.28	865.56	865.13	865.63	865.32	864.78	864.79	864.62	864.83	864.14	864.97	864.53
26	864.04	865.83	865.56	865.61	865.34	864.60	865.15	864.59	865.15	865.05	864.77	864.95
27	862.21	865.53	865.36	865.67	865.36	864.76	864.75	864.22	864.84	865.00	864.55	865.68
28	860.06	864.89	865.41	865.52	865.34	864.82	864.59	865.12	865.61	864.71	864.65	865.97
29	865.21	863.89	865.41	865.48	---	865.32	865.20	864.18	865.70	864.39	864.70	865.33
30	865.76	863.89	864.23	865.39	---	865.83	865.12	864.02	864.86	864.85	865.47	865.51
31	865.64	---	863.98	865.92	---	865.58	---	865.30	---	864.57	865.76	---
MEAN	864.96	865.52	865.29	864.12	865.28	865.08	865.03	864.97	864.93	---	864.86	---
MAX	865.93	865.95	865.90	865.92	865.89	865.83	865.91	865.75	865.70	---	865.90	---
MIN	860.06	863.89	862.63	861.15	862.79	864.60	863.94	864.02	863.62	---	863.64	---

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LATITUDE 335806 LONGITUDE 0842258 NAD83 DRAINAGE AREA 1370.00* CONTRIBUTING DRAINAGE AREA DATUM -12.52 NGVD29

APPROVED

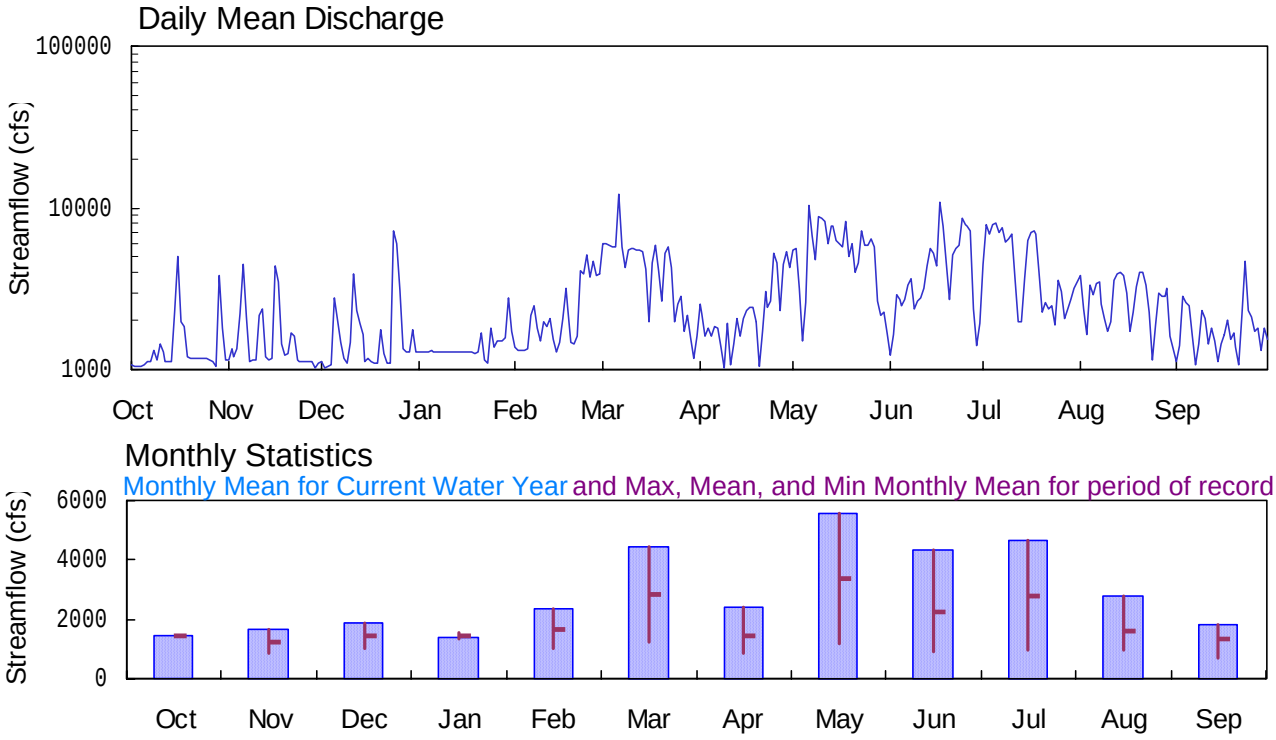
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.21	0.00	0.02	0.00	0.00	0.00	2.95	0.00	0.00
2	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.54	0.00	0.02	0.00	0.00
3	0.01	0.35	0.00	0.00	0.00	0.00	0.00	0.01	1.05	0.00	1.17	0.00
4	0.19	0.16	0.30	0.00	0.46	0.04	0.00	0.01	0.01	0.00	0.03	0.00
5	0.00	2.09	0.87	0.00	0.00	1.07	0.23	2.95	0.00	0.25	0.25	0.00
6	0.06	0.01	0.00	0.00	0.72	1.33	0.17	1.81	0.36	0.15	0.06	0.00
7	0.19	0.00	0.01	0.00	0.04	0.00	0.08	0.50	0.64	0.01	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.02	0.00	0.01	0.00
9	0.00	0.00	0.00	0.20	0.16	0.00	0.17	0.00	0.00	0.01	0.00	0.01
10	0.03	0.00	1.41	0.09	0.38	0.00	0.09	0.00	0.00	0.87	0.87	0.00
11	0.02	1.27	0.01	0.00	0.00	0.00	0.00	0.15	0.36	0.01	0.33	0.00
12	0.01	0.14	0.01	0.00	0.00	0.00	0.00	0.01	0.60	0.00	0.05	0.00
13	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.67	0.17	0.10	0.00
14	0.00	0.01	0.00	0.00	0.07	0.00	0.00	0.03	0.06	0.47	0.00	0.05
15	2.45	0.63	0.00	0.00	0.00	0.43	0.00	1.02	0.01	0.01	0.00	0.00
16	0.04	1.22	0.00	0.13	1.14	0.00	0.00	0.01	3.76	0.18	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.48	0.32	0.22	1.07	0.00	0.01	0.00
18	0.01	0.01	0.00	0.00	0.00	0.03	0.00	1.68	1.19	0.00	0.00	0.00
19	0.00	0.09	0.74	0.00	0.00	0.29	0.00	0.00	0.14	0.00	0.01	0.00
20	0.31	0.49	0.01	0.00	0.00	0.16	0.00	0.01	0.01	0.01	0.03	0.00
21	---	0.24	0.01	0.05	0.14	0.00	0.54	0.32	0.00	0.00	0.01	0.00
22	---	0.01	0.00	0.01	1.42	0.00	0.00	0.62	0.00	0.79	0.46	1.08
23	---	0.00	0.11	0.01	0.01	0.00	0.00	0.00	0.00	0.50	0.01	0.01
24	---	0.00	2.50	0.00	0.00	0.01	0.22	0.00	0.01	0.00	0.00	0.01
25	---	0.00	0.04	0.00	0.00	0.00	1.58	0.74	0.00	0.00	0.00	0.00
26	---	0.01	0.00	0.00	0.35	0.00	0.01	0.03	0.01	0.00	0.00	0.01
27	---	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.52
28	---	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.08	0.00
29	0.37	0.00	0.00	0.85	---	0.07	0.00	0.00	0.00	0.00	0.36	0.00
30	0.00	0.00	0.00	0.48	---	0.22	0.05	0.00	0.50	0.56	0.26	0.01
31	0.00	---	0.16	0.01	---	0.00	---	0.00	---	0.30	0.00	---
TOTAL	---	6.73	6.82	2.30	5.15	4.15	3.55	10.66	10.65	7.26	4.10	1.70

2003 Water Year

02335815 CHATTAHOOCHEE RIVER BELOW MORGAN FALLS DAM, GA

Latitude: 33°58'05" Longitude: 084°22'58" Hydrologic Unit Code: 03130001 Fulton County
Drainage Area: 1370. mi^2 Datum: -12.5 feet



APALACHICOLA RIVER BASIN
2003 Water Year

02335815 CHATTAHOOCHEE RIVER BELOW MORGAN FALLS DAM, AT SANDY SPRINGS, GA

LOCATION.—Lat 33°58'05", long 84°22'58" referenced to North American Datum (NAD) of 1983, Cobb-Fulton County Line, Hydrologic Unit 03130001, on left bank 400.00 feet downstream of Morgan Falls Dam, 3.8 miles upstream from mouth of Sope Creek.

DRAINAGE AREA.—1,370 square miles, approximately.

COOPERATION.—Georgia Power.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 9, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 12.52 feet below National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.--Records good, except for periods of estimated discharge, which are poor. Flow regulated by Lake Sidney Lanier since January 1956.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 9, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 12.52 feet below National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum gage-height recorded, 820.93 feet, March 6; minimum gage-height recorded, 810.72 feet, October 28.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335815 CHATTAHOOCHEE RIVER BELOW MORGAN FALLS DAM, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335805 LONGITUDE 0842258 NAD83 DRAINAGE AREA 1370.00* CONTRIBUTING DRAINAGE AREA DATUM -12.52 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1080	1140	1110	1300	1370	6040	2540	5540	1230	4490	3820	1110
2	1050	1330	1030	1290	1310	5940	2190	5590	1670	7860	2380	1410
3	1050	1200	1050	1280	1320	5840	1630	3160	2890	6920	1650	2840
4	1060	1340	1060	1290	1320	5690	1800	1510	2690	7840	3330	2620
5	1070	2210	2780	1300	1340	5710	1610	2590	2490	8060	e2890	2500
6	1110	4510	2030	1290	2170	12100	1860	10300	2720	6970	e3370	1620
7	1120	2140	1480	1290	2450	5670	1790	6740	3350	7500	e3510	1070
8	1300	1120	1170	1290	1790	4260	1380	4780	3620	6170	e2510	1440
9	1140	1150	1100	1300	1520	5540	1030	8920	2350	6480	e2070	2340
10	1430	1140	1480	1290	1990	5570	1940	8610	2650	6830	e1730	2080
11	1290	2180	3870	1290	1830	5570	1080	8330	2800	3620	e1990	1440
12	1120	2380	2290	1290	2060	5520	1450	6030	3160	1970	3560	1800
13	1110	1200	1920	1280	1530	5460	2070	7630	4330	1970	3890	1500
14	1110	1150	1630	1290	1290	5420	1630	7700	5650	3650	3950	1120
15	2290	1180	1130	1290	1470	4220	2050	6340	5240	6230	3770	1420
16	4980	4360	1170	1280	2080	1970	2340	5980	4380	7000	2950	1660
17	1970	3510	1110	1280	3180	4570	2410	5700	10800	7250	1710	2030
18	1840	1450	1100	1270	2400	5930	2420	8270	7670	6940	2280	1550
19	1190	1230	1100	1270	1480	4060	1990	4990	4560	4020	3280	1670
20	1170	1250	1770	1280	1450	2630	1040	5960	2710	2260	4000	1370
21	1180	1680	1270	1680	1610	5200	1720	3970	5180	2590	4000	1070
22	1170	1600	1100	1130	4090	5690	3060	4620	5620	2390	3310	2160
23	1180	1150	1100	1090	3930	4240	2450	7120	5910	2480	2260	4640
24	e1180	1130	7220	1790	5140	1980	2680	5860	8580	1870	1130	2330
25	1170	1120	5960	1390	3690	2520	5270	5800	7840	3520	1880	2110
26	1140	1130	3080	1500	4680	2870	4560	6420	7720	3040	2950	1740
27	1130	1120	1340	1520	3830	1720	2320	5730	7150	2060	2850	1810
28	1050	1120	1290	1510	3930	2170	4470	2660	2350	2380	2850	1310
29	3770	1020	1280	1560	---	1580	5360	2180	1400	2730	3210	1790
30	1820	1090	1760	2780	---	1160	4290	2250	1930	3170	1610	1530
31	1140	---	1290	1740	---	1600	---	1670	---	3470	1350	---
TOTAL	45410	49330	58070	43430	66250	138440	72430	172950	130640	143730	86040	55080
MEAN	1465	1644	1873	1401	2366	4466	2414	5579	4355	4636	2775	1836
MAX	4980	4510	7220	2780	5140	12100	5360	10300	10800	8060	4000	4640
MIN	1050	1020	1030	1090	1290	1160	1030	1510	1230	1870	1130	1070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	1465	1250	1426	1433	1684	2862	1447	3373	2228	2800	1595	1330
MAX	1465	1644	1873	1545	2366	4466	2414	5579	4355	4636	2775	1836
(WY)	2003	2003	2003	2001	2003	2003	2003	2003	2003	2003	2003	2003
MIN	1465	856	1000	1353	1002	1258	836	1166	928	963	974	679
(WY)	2003	2002	2002	2002	2002	2002	2001	2002	2002	2002	2001	2001

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	464827		1061800			
ANNUAL MEAN	1273		2909		2909	
HIGHEST ANNUAL MEAN					2909	2003
LOWEST ANNUAL MEAN					2909	2003
HIGHEST DAILY MEAN	7220	Dec 24	12100	Mar 6	12100	Mar 6 2003
LOWEST DAILY MEAN	791	Jan 9	1020	Nov 29	630	Sep 23 2001
ANNUAL SEVEN-DAY MINIMUM	819	Jan 8	1070	Nov 28	641	Sep 17 2001
MAXIMUM PEAK FLOW			15900	Mar 6	15900	Mar 6 2003
MAXIMUM PEAK STAGE			820.93	Mar 6	820.93	Mar 6 2003
10 PERCENT EXCEEDS	1990		5960		5960	
50 PERCENT EXCEEDS	1020		2070		2070	
90 PERCENT EXCEEDS	880		1130		1130	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335815 CHATTAHOOCHEE RIVER BELOW MORGAN FALLS DAM, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335805 LONGITUDE 0842258 NAD83 DRAINAGE AREA 1370.00* CONTRIBUTING DRAINAGE AREA DATUM -12.52 NGVD29

APPROVED

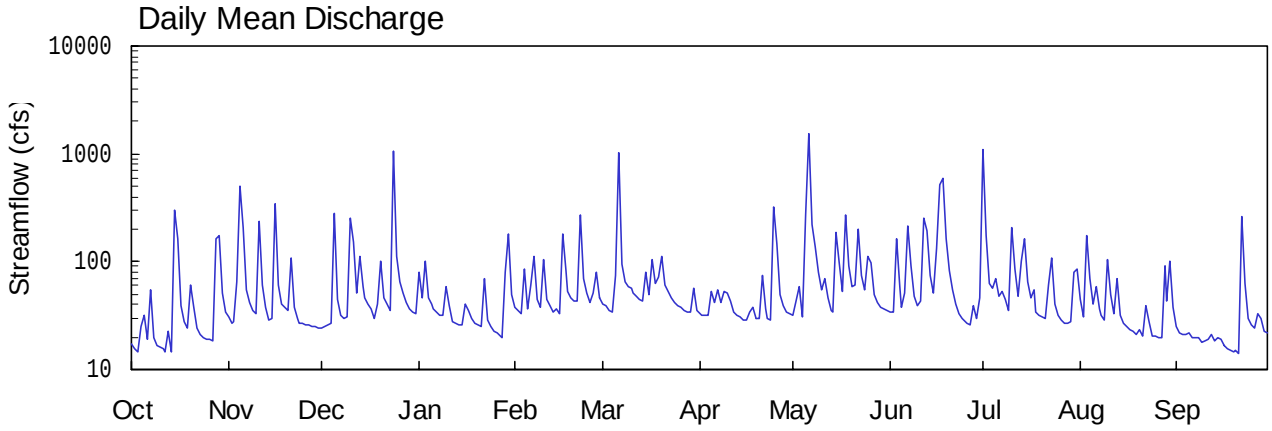
Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

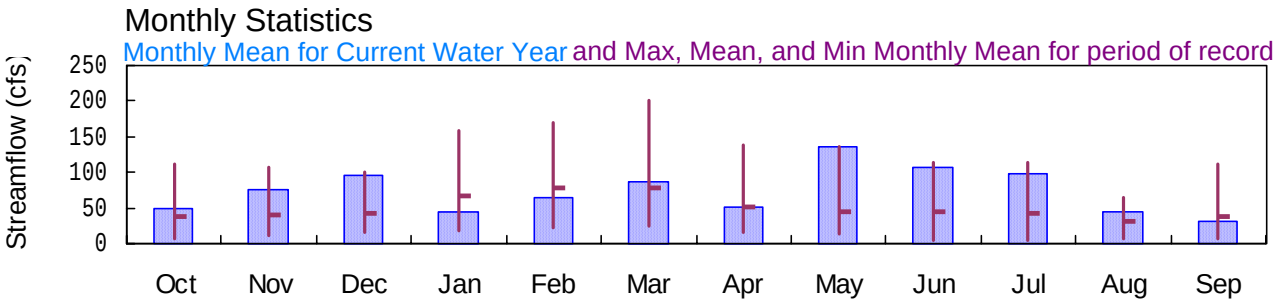
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	811.39	811.38	811.34	811.32	811.41	815.08	812.53	814.75	811.22	813.90	813.52	811.10
2	811.35	811.65	811.21	811.31	811.34	815.02	812.02	814.78	811.66	816.24	812.40	811.41
3	811.35	811.48	811.25	811.30	811.35	814.95	811.59	812.95	812.82	815.65	811.63	812.77
4	811.36	811.66	811.27	811.31	811.36	814.85	811.85	811.58	812.67	816.24	813.16	812.68
5	811.38	812.60	813.30	811.33	811.38	814.87	811.63	812.56	812.49	816.38	---	812.58
6	811.44	814.88	812.59	811.32	812.15	818.80	811.90	817.75	812.67	815.68	---	811.72
7	811.45	812.69	811.85	811.31	812.45	814.82	811.90	815.51	813.15	816.01	---	811.07
8	811.71	811.35	811.42	811.32	811.88	813.83	811.41	814.20	813.37	815.17	---	811.48
9	811.49	811.40	811.33	811.32	811.58	814.76	810.92	816.91	812.37	815.38	---	812.47
10	811.88	811.40	811.79	811.32	812.10	814.77	811.93	816.72	812.64	815.60	---	812.27
11	811.70	812.63	814.34	811.32	811.94	814.77	810.98	816.55	812.71	813.32	---	811.55
12	811.46	812.98	812.87	811.31	812.10	814.74	811.46	815.06	813.00	811.99	813.33	811.98
13	811.44	811.48	812.46	811.30	811.45	814.70	812.12	816.10	813.87	812.01	813.57	811.62
14	811.45	811.41	812.07	811.31	811.23	814.68	811.70	816.14	814.77	813.39	813.61	811.16
15	812.64	811.45	811.37	811.32	811.51	813.81	812.09	815.26	814.50	815.21	813.49	811.55
16	815.42	814.71	811.44	811.30	812.14	812.05	812.34	815.04	813.92	815.70	812.87	811.83
17	812.48	813.93	811.35	811.30	813.05	814.03	812.41	814.86	818.05	815.86	811.78	812.19
18	812.25	811.81	811.33	811.29	812.44	815.01	812.43	816.50	816.12	815.66	812.25	811.68
19	811.46	811.52	811.33	811.28	811.49	813.68	811.98	814.36	814.02	813.61	813.13	811.88
20	811.43	811.54	812.24	811.30	811.51	812.57	810.93	815.03	812.68	812.27	813.66	811.46
21	811.44	812.12	811.56	811.67	811.69	814.50	811.66	813.60	814.47	812.57	813.66	811.10
22	811.44	812.02	811.32	811.08	813.67	814.86	812.95	813.87	814.78	812.43	813.15	812.22
23	811.44	811.40	811.33	811.01	813.60	813.81	812.47	815.78	814.96	812.49	812.25	814.11
24	---	811.37	815.72	811.79	814.45	811.99	812.64	814.95	816.70	811.97	811.12	812.46
25	811.43	811.36	814.99	811.44	813.41	812.50	814.56	814.91	816.23	813.29	811.82	812.28
26	811.39	811.38	812.97	811.55	814.12	812.81	814.01	815.33	816.16	812.94	812.90	811.88
27	811.38	811.36	811.38	811.58	813.52	811.74	812.35	814.88	815.77	812.16	812.83	811.95
28	811.24	811.36	811.32	811.59	813.59	812.22	813.95	812.64	812.22	812.40	812.83	811.48
29	814.21	811.20	811.31	811.63	---	811.62	814.62	812.18	811.43	812.68	813.09	811.98
30	812.25	811.31	811.74	812.75	---	811.10	813.81	812.21	811.90	813.04	811.63	811.72
31	811.40	---	811.31	811.79	---	811.61	---	811.75	---	813.26	811.42	---
MEAN	---	811.96	812.04	811.42	812.28	813.89	812.30	814.67	813.78	814.02	---	811.92
MAX	---	814.88	815.72	812.75	814.45	818.80	814.62	817.75	818.05	816.38	---	814.11
MIN	---	811.20	811.21	811.01	811.23	811.10	810.92	811.58	811.22	811.97	---	811.07

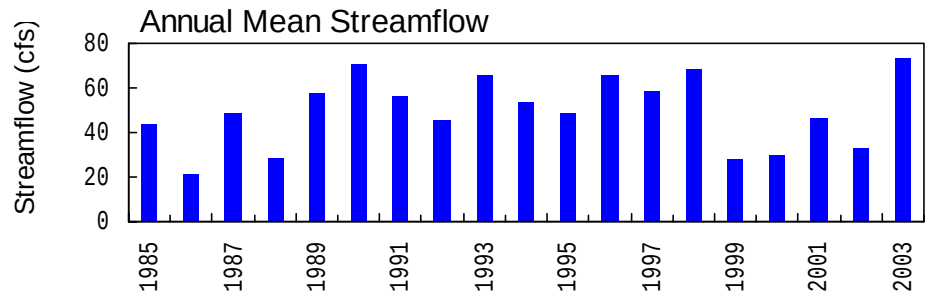
2003 Water Year

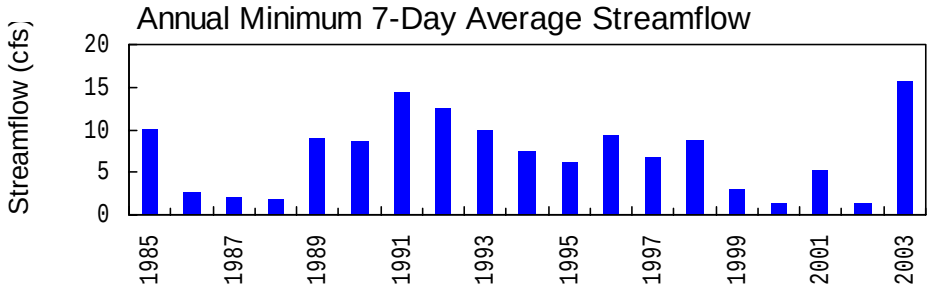
02335870 SOPE CREEK NEAR MARIETTA, GA

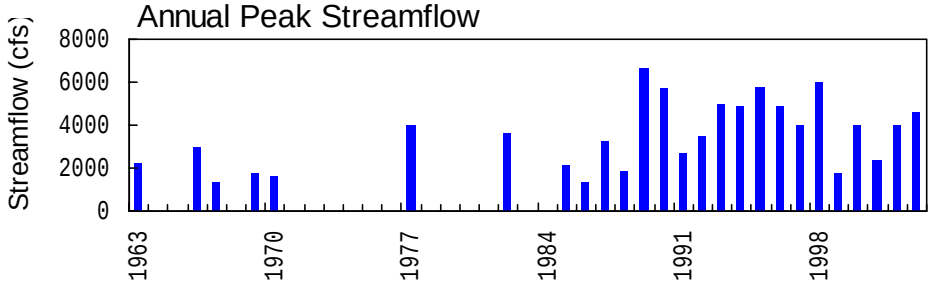
Latitude: 33°57'14" Longitude: 084°26'36" Hydrologic Unit Code: 03130001 Cobb County
Drainage Area: 29.2 mi^2 Datum: 881.3 feet











02335870 - Sope Creek near Marietta, GA

APALACHICOLA RIVER BASIN
2003 Water Year

02335870 SOPE CREEK NEAR MARIETTA, GA
(National Water-Quality Assessment station)

LOCATION.—Lat 33°57'14", long 84°26'36" referenced to North American Datum (NAD) of 1983, Cobb County, Hydrologic Unit 03130001, on downstream side of bridge on Lower Roswell Road (South Roswell Road), 0.3 miles downstream from Bishop Creek, 6.1 miles east of Marietta, and 2.6 miles upstream from mouth.

DRAINAGE AREA.—29.2 square miles, approximately.

COOPERATION.—USGS National Water-Quality Assessment (NAWQA) Program; Atlanta Regional Commission.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1984 to current year. Occasional low-flow measurements, water years 1944, 1951, 1953-55, 1957, 1961.

REVISED RECORDS.—WDR GA-89-1: 1985(P), 1986(M), 1987 (P, daily discharge, and monthly runoff), 1988(P).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 881.37 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records fair, except those for periods of estimated daily discharge, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than a base discharge of 900 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (fet)
10/15	2145	915	7.33
11/05	2330	1,210	8.28
12/05	0445	1,220	8.30
12/10	2045	928	7.38
12/24	1215	3,940	13.06
03/06	0845	2,690	11.18
04/25	0630	917	7.34
05/06	1900	4,560*	13.92*
06/12	2130	1,480	8.97
06/16	2330	1,980	9.97
06/18	1915	1,760	9.57
07/01	2015	3,580	12.55
07/10	1815	1,160	8.12
09/22	1915	1,510	9.02

02335870 SOPE CREEK NEAR MARIETTA, GA--continued.
(National Water-Quality Assessment station)

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1984 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 881.37 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.92 feet, May 6; minimum gage-height recorded, 1.74 feet, October 4.

PRECIPITATION RECORDS

PERIOD OF RECORD.—January 29, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335870 SOPE CREEK NEAR MARIETTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 335714 LONGITUDE 0842636 NAD83 DRAINAGE AREA 29.20* CONTRIBUTING DRAINAGE AREA DATUM 881.37 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e17	31	e24	e80	38	40	33	32	34	1100	45	25
2	15	27	e25	e46	35	39	32	43	34	175	31	22
3	15	28	e26	e100	32	36	32	58	162	63	171	21
4	25	64	e27	e46	86	34	32	31	58	57	68	21
5	32	e500	276	e40	36	75	54	272	38	70	41	22
6	19	205	44	e37	60	1020	42	1550	52	47	59	20
7	55	56	32	e34	111	95	54	222	216	53	36	20
8	20	42	e30	e32	44	64	41	135	90	e45	31	20
9	17	35	e31	e32	38	58	54	e80	48	e35	29	18
10	16	33	e250	58	104	e56	51	e55	39	206	105	18
11	15	239	152	39	45	e52	43	e70	44	85	49	19
12	15	61	52	e28	38	e48	34	e46	250	48	33	21
13	23	37	113	e27	34	e45	32	36	192	102	70	18
14	15	28	58	e26	36	e43	30	34	74	161	32	20
15	e300	30	46	e26	33	e80	29	187	51	64	27	19
16	162	345	41	e40	181	e50	29	96	134	47	25	17
17	38	62	36	35	82	e105	34	54	510	54	23	16
18	28	40	e30	e30	54	62	37	269	586	34	22	15
19	24	37	e40	e27	46	72	30	93	161	32	21	15
20	e60	36	e100	e26	43	114	29	60	83	31	24	15
21	38	106	46	e25	43	61	75	60	e54	29	21	14
22	24	38	40	e70	272	e53	37	197	e40	60	38	264
23	21	29	35	e29	70	e47	29	75	e33	109	28	62
24	20	27	1070	e25	51	e42	29	54	30	40	20	30
25	19	e27	113	e23	41	e39	321	113	28	31	20	26
26	19	e26	e65	e22	51	e38	149	96	26	29	20	24
27	19	e26	e52	e21	79	36	50	49	26	27	e20	33
28	160	e25	e42	e20	46	34	38	42	39	27	e90	30
29	173	e25	e37	e80	---	34	34	38	29	28	43	22
30	51	e24	e34	181	---	57	33	36	46	79	101	22
31	34	---	e33	49	---	35	---	35	---	86	37	---
TOTAL	1489	2289	3000	1354	1829	2664	1547	4218	3207	3054	1380	909
MEAN	48.0	76.3	96.8	43.7	65.3	85.9	51.6	136	107	98.5	44.5	30.3
MAX	300	500	1070	181	272	1020	321	1550	586	1100	171	264
MIN	15	24	24	20	32	34	29	31	26	27	20	14
CFSM	1.64	2.61	3.31	1.50	2.24	2.94	1.77	4.66	3.66	3.37	1.52	1.04
IN.	1.90	2.92	3.82	1.72	2.33	3.39	1.97	5.37	4.09	3.89	1.76	1.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2003, BY WATER YEAR (WY)

MEAN	37.5	41.2	42.2	66.1	79.2	78.9	50.5	45.5	43.9	42.0	32.4	38.8
MAX	112	107	101	159	170	201	139	136	114	113	65.1	111
(WY)	1996	1993	1993	1993	1995	1990	1998	2003	1989	1989	1985	1989
MIN	7.07	11.3	14.6	18.5	23.2	25.1	16.0	12.3	4.65	4.89	5.71	7.30
(WY)	1988	2002	1989	1986	1986	1988	1986	2000	1988	1986	2002	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1985 - 2003	
ANNUAL TOTAL	17295.2		26940			
ANNUAL MEAN	47.4		73.8		49.7	
HIGHEST ANNUAL MEAN					73.8	2003
LOWEST ANNUAL MEAN					21.8	1986
HIGHEST DAILY MEAN	1070	Dec 24	1550	May 6	2530	Feb 16 1995
LOWEST DAILY MEAN	1.2	Sep 9	14	Sep 21	0.79	Jul 20 1988
ANNUAL SEVEN-DAY MINIMUM	1.2	Sep 6	16	Sep 15	1.2	Aug 14 2000
MAXIMUM PEAK FLOW			4560	May 6	6630	Sep 30 1989
MAXIMUM PEAK STAGE			13.92	May 6	16.22	Sep 30 1989
INSTANTANEOUS LOW FLOW					0.61	Jul 21 1988
ANNUAL RUNOFF (CFSM)	1.62		2.53		1.70	
ANNUAL RUNOFF (INCHES)	22.03		34.32		23.12	
10 PERCENT EXCEEDS	83		150		88	
50 PERCENT EXCEEDS	21		38		24	
90 PERCENT EXCEEDS	5.1		21		9.1	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335870 SOPE CREEK NEAR MARIETTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 335714 LONGITUDE 0842636 NAD83 DRAINAGE AREA 29.20* CONTRIBUTING DRAINAGE AREA DATUM 881.37 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1.90	---	---	2.21	2.23	2.13	2.11	2.15	6.51	2.29	1.99
2	1.79	1.83	---	---	2.17	2.22	2.12	2.23	2.14	3.54	2.09	1.94
3	1.77	2.03	---	---	2.12	2.17	2.11	2.44	3.38	2.53	3.42	1.92
4	1.92	2.32	---	---	2.72	2.14	2.12	2.10	2.47	2.44	2.58	1.92
5	2.08	---	3.94	---	2.17	2.42	2.39	3.40	2.20	2.59	2.24	1.93
6	1.87	3.64	2.28	---	2.42	6.78	2.25	7.87	2.35	2.34	2.47	1.90
7	2.40	2.44	2.11	---	2.99	2.89	2.41	3.93	3.85	2.39	2.18	1.89
8	1.89	2.25	---	---	2.29	2.54	2.24	3.25	2.81	---	2.10	1.89
9	1.81	2.14	---	---	2.21	2.46	2.41	---	2.34	---	2.06	1.85
10	1.79	2.12	---	2.38	2.93	---	2.38	---	2.22	3.28	2.74	1.86
11	1.78	3.77	3.31	2.12	2.31	---	2.27	---	2.27	2.76	2.35	1.87
12	1.77	2.25	2.39	---	2.21	---	2.15	---	3.51	2.34	2.12	1.91
13	1.93	2.18	3.04	---	2.15	---	2.11	2.17	3.69	2.85	2.58	1.86
14	1.77	2.04	2.47	---	2.18	---	2.09	2.15	2.65	3.33	2.11	1.89
15	---	2.05	2.31	---	2.13	---	2.07	3.52	2.38	2.54	2.02	1.87
16	3.32	4.60	2.24	---	3.52	---	2.06	2.87	2.76	2.32	1.99	1.82
17	2.20	2.52	2.16	2.06	2.74	---	2.13	2.41	5.13	2.41	1.96	1.80
18	2.04	2.22	---	---	2.41	2.51	2.18	4.21	5.48	2.15	1.94	1.79
19	1.97	2.19	---	---	2.32	2.62	2.08	2.86	3.50	2.11	1.92	1.78
20	---	2.15	---	---	2.27	3.04	2.07	2.48	2.76	2.09	1.96	1.78
21	2.19	2.99	2.31	---	2.27	2.50	2.59	2.49	---	2.07	1.91	1.77
22	1.97	2.19	2.23	---	4.06	---	2.18	3.68	---	2.44	2.12	3.33
23	1.91	2.06	2.15	---	2.60	---	2.07	2.67	---	3.01	2.03	2.62
24	1.88	1.70	6.17	---	2.38	---	2.06	2.41	2.08	2.23	1.90	2.22
25	1.87	---	3.02	---	2.25	---	4.36	2.81	2.05	2.10	1.90	2.15
26	1.87	---	---	---	2.36	---	3.29	2.85	2.02	2.06	1.90	2.12
27	1.85	---	---	---	2.71	2.17	2.36	2.36	2.00	2.03	---	2.24
28	3.04	---	---	---	2.31	2.15	2.21	2.26	2.18	2.03	---	2.21
29	3.46	---	---	---	---	2.14	2.14	2.21	2.07	2.04	2.25	2.08
30	2.38	---	---	3.58	---	2.45	2.13	2.18	2.24	2.61	2.73	2.08
31	2.14	---	---	2.36	---	2.16	---	2.16	---	2.77	2.18	---
MEAN	---	---	---	---	2.48	---	2.31	---	---	---	---	2.01
MAX	---	---	---	---	4.06	---	4.36	---	---	---	---	3.33
MIN	---	---	---	---	2.12	---	2.06	---	---	---	---	1.77

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LATITUDE 335714 LONGITUDE 0842636 NAD83 DRAINAGE AREA 29.20* CONTRIBUTING DRAINAGE AREA DATUM 881.37 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01	0.00	0.00	0.16	0.00	0.02	0.00	0.00	0.00	2.89	0.00	0.00
2	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.36	0.00	0.01	0.00	0.00
3	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.01	1.46	0.00	0.72	0.00
4	0.18	0.16	0.30	0.00	0.32	0.04	0.00	0.00	0.02	0.03	0.00	0.06
5	0.00	---	0.92	0.00	0.00	1.30	0.21	3.01	0.00	0.15	0.26	0.01
6	0.13	0.01	0.00	0.00	0.70	1.51	0.35	1.83	0.67	0.11	0.07	0.00
7	0.15	0.00	0.00	0.00	0.03	0.00	0.08	0.52	0.40	0.01	0.00	0.00
8	0.00	0.00	0.00	0.02	0.00	0.00	0.10	0.00	0.01	0.00	0.00	0.00
9	0.00	0.01	0.00	0.21	0.15	0.00	0.14	0.00	0.07	0.00	0.00	0.00
10	0.02	0.01	1.39	0.07	0.36	0.00	0.12	0.00	0.00	1.04	0.76	0.00
11	0.01	1.15	0.01	0.00	0.00	0.00	0.00	0.15	0.37	0.02	0.02	0.00
12	0.02	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.09	0.00
13	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.61	0.88	0.13	0.00
14	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.03	1.53	0.00	0.18
15	2.4	0.66	0.00	0.00	0.00	0.42	0.00	1.16	0.00	0.40	0.14	0.00
16	0.01	0.91	0.00	0.12	0.99	0.00	0.00	0.01	2.86	0.16	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.50	0.18	0.05	1.15	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.03	0.00	1.48	1.35	0.00	0.00	0.00
19	0.00	0.09	0.71	0.00	0.00	0.53	0.00	0.00	0.19	0.00	0.01	0.00
20	0.40	0.49	0.01	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.01	0.00
21	0.01	0.20	0.00	0.04	0.12	0.01	0.56	0.27	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.02	1.16	0.00	0.00	0.53	0.00	0.89	0.86	1.01
23	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.01
24	0.00	0.00	2.26	0.00	0.01	0.00	0.23	0.00	0.00	0.00	0.00	0.00
25	0.06	0.00	0.01	0.00	0.00	0.00	1.75	0.67	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.32	0.01	0.01	0.02	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.22	0.01	0.00	0.00	0.01	0.00	0.00	0.30
28	1.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.00	1.15	0.00
29	0.40	0.00	0.00	0.83	---	0.07	0.00	0.00	0.22	0.00	0.12	0.00
30	0.01	0.00	0.00	0.45	---	0.24	0.00	0.00	0.27	0.82	1.39	0.00
31	0.00	---	0.12	0.00	---	0.00	---	0.00	---	0.50	0.00	---
TOTAL	5.55	---	6.38	2.15	4.45	4.77	3.73	10.07	11.25	9.99	5.73	1.57

APALACHICOLA RIVER BASIN
2003 Water Year

02335870 SOPE CREEK NEAR MARIETTA, GA
(National Water-Quality Assessment station)

LOCATION.—Lat 33°57'14", long 84°26'36" referenced to North American Datum (NAD) of 1983, Cobb County, Hydrologic Unit 03130001, on downstream side of bridge on Lower Roswell Road (South Roswell Road), 0.3 miles downstream from Bishop Creek, 6.1 miles east of Marietta, and 2.6 miles upstream from mouth.

DRAINAGE AREA.—29.2 square miles, approximately.

COOPERATION.—USGS National Water-Quality Assessment (NAWQA) Program; Atlanta Regional Commission.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--- March 1993 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)
OCT													
09...	1400	1028	80020	1.76	14	40	2.7	747	8.6	93	7.0	100	--
NOV													
08...	1700	1028	80020	2.01	26	10	1.2	747	9.3	89	7.1	108	16.5
DEC													
18...	1130	1028	80020	1.63	9.6	10	2.8	750	10.4	90	7.2	98	--
JAN													
14...	1600	1028	80020	--	E12	10	4.4	746	11.4	94	7.2	91	--
FEB													
13...	1315	1028	80020	2.01	26	10	1.8	749	11.2	95	7.2	92	--
MAR													
12...	0930	1028	80020	--	42	10	6.6	740	11.2	103	6.8	94	10.0
17...	1330	1028	80020	2.92	97	10	29	736	9.4	93	7.1	87	--
APR													
04...	1315	1028	80020	2.12	32	10	2.0	743	9.2	100	7.3	95	--
15...	1400	1028	80020	2.07	29	10	4.5	749	9.0	97	7.2	97	--
MAY													
01...	1030	1028	80020	2.11	32	10	5.2	744	8.4	90	7.2	106	--
13...	1430	1028	80020	2.18	36	10	6.7	740	8.6	94	7.0	92	--
28...	1345	1028	80020	2.27	43	10	6.6	746	8.4	94	7.1	97	--
JUN													
16...	1130	1028	80020	2.34	48	10	11	746	7.9	93	7.0	93	--
JUL													
01...	1415	1028	80020	6.10	614	10	180	743	8.4	97	6.3	46	--
14...	1545	1028	80020	2.49	60	10	2.4	746	7.6	92	6.8	78	--
30...	0830	1028	80020	2.08	30	10	8.6	744	7.6	89	7.0	93	--
AUG													
11...	1130	1028	80020	2.30	45	10	18	743	7.5	89	7.0	78	--
26...	1200	1028	80020	1.90	20	10	3.2	747	8.1	97	7.3	105	--
SEP													
09...	1130	1028	80020	1.86	18	40	2.8	747	8.5	94	7.1	102	--

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Date	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)
OCT													
09...	18.4	29	35	6.77	4.6	.22	<.04	--	--	.30	--	<.008	--
NOV													
08...	12.5	32	39	7.40	8.3	1.4	.83	2.09	.47	.48	.033	.010	.59
DEC													
18...	8.5	27	33	5.79	5.2	.16	.06	--	--	.61	--	<.008	.11
JAN													
14...	6.2	25	30	4.36	4.4	.31	.04	--	--	.67	--	<.008	.26
FEB													
13...	7.6	26	32	4.80	5.2	E.09	E.04	--	--	.68	--	E.005	--
MAR													
12...	10.3	--	--	5.05	5.3	.18	E.03	--	--	.69	--	<.008	--
17...	13.2	23	28	5.04	4.6	E.45	E.07	--	--	E.76	--	E.005	--
APR													
04...	18.1	--	--	--	--	.19	E.03	--	--	.57	--	E.005	--
15...	17.9	30	37	6.12	4.1	.21	.05	--	--	.56	--	E.006	.16
MAY													
01...	17.6	--	--	--	--	.29	E.02	--	--	.70	--	E.004	--
13...	18.0	29	35	5.62	4.8	.19	E.03	--	--	.60	--	E.007	--
28...	19.9	--	--	--	--	.16	E.04	--	--	.64	--	E.005	--
JUN													
16...	22.3	26	32	5.85	4.1	.23	E.03	--	--	.57	--	E.004	--
JUL													
01...	21.0	--	--	--	--	1.5	E.02	--	--	.33	--	E.004	--
14...	23.9	22	27	4.44	4.3	.29	<.04	--	--	.47	--	<.008	--
30...	22.6	--	--	--	--	.24	<.04	--	--	.66	--	<.008	--
AUG													
11...	22.7	22	27	4.82	4.9	.36	<.04	--	--	.50	--	<.008	--
26...	23.5	--	--	--	--	.15	<.04	--	--	.54	--	E.004n	--
SEP													
09...	19.5	30	37	7.31	3.5	.17	<.04	--	--	.52	--	<.008	--

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1,4-Naphthoquinone, water, fltrd, ug/L (61611)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2-(4-t-Butylphenoxy)cyclohexanol wat flt ug/L (61637)	2,5-Dichloroaniline water, fltrd, ug/L (61614)
OCT													
09...	<.02	<.02	.016	.52	.2	<.1	.2	2.3	--	<.05	<.09	<.01	<.03
NOV													
08...	.03	.21	.126	1.9	1.0	<.1	1.0	3.2	9000	--	<.09	--	--
DEC													
18...	<.02	.03	.011	.78	.2	<.1	.2	1.4	--	<.05	<.09	<.01	<.03
JAN													
14...	<.02	.04	.010	.98	.1	<.1	.1	1.3	11	<.05	<.09	<.01	<.03
FEB													
13...	<.02	.02	.009	--	.1	<.1	.1	1.4	--	<.05	<.09	<.01	<.03
MAR													
12...	<.02	<.02	.012	.87	<.1	<.1	<.1	1.5	150	--	<.09	--	--
17...	E.02	E.14	E.090	--	E1.3	<.1	E1.3	E2.3	--	<.05	<.09	<.01	<.03
APR													
04...	<.02	--	.018	.77	--	--	--	--	--	<.05	<.09	<.01	<.03
15...	<.02	.05	.012	.77	.3	<.1	.3	1.7	--	<.05	<.09	<.01	<.03
MAY													
01...	<.02	--	.022	.99	--	--	--	--	--	<.05	<.09	<.01	<.03
13...	<.02	.05	.017	.79	.4	<.1	.4	2.1	78	<.05	<.09	<.01	<.03
28...	<.02	--	.018	.81	--	--	--	--	--	<.05mc	<.09mc	<.01	<.03
JUN													
16...	<.02	.08	.024	.79	.6	<.1	.6	2.0	--	<.05mc	<.09mc	<.01	<.03
JUL													
01...	E.01	--	.34	1.8	--	--	--	--	--	<.05mc	E.01mc	<.01	<.03
14...	<.02	.07	.046	.76	1.0	<.1	1.0	3.7	650	<.05mc	<.09mc	<.01	<.03
30...	<.02	--	.021	.90	--	--	--	--	--	<.05mc	--u	<.01	<.03
AUG													
11...	<.18d	.13	.050	.86	1.0	<.1	.9	2.9	--	<.05mc	<.09mc	<.01	<.03
26...	<.02	--	.016	.70	--	--	--	--	--	<.05mc	<.09mc	<.01	<.03
SEP													
09...	<.02	.05	.011	.69	.3	<.1	.3	1.5	--	<.05mc	<.09mc	<.01	<.03

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Date	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)-amino] propan-1-ol, ug/L (61615)	2Amino-N-iso-propyl-benz-amide, wat flt ug/L (61617)	2Chloro-2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)	3-(Tri-fluoro-methyl) aniline water, fltrd, ug/L (61630)	3,4-Di-chloro-aniline water fltrd, ug/L (61625)	3,5-Di-chloro-aniline water, fltrd, ug/L (61627)	3-Phen-oxy-benzyl alcohol water, fltrd, ug/L (61629)	4-(MeOH)-pendi-meth-alin, wat flt ug/L (61665)	4,4'-Di chloro-benzo-phen-one, wat flt ug/L (61631)	4Chloro phenyl-methyl sulfone water, fltrd, ug/L (61634)
OCT													
09...	<.006	--u	<.005	<.005	<.006	<.004	<.01	<.004	<.005	--u	--u	<.003	--m
NOV													
08...	<.006	<.1	--	<.005	E.005	<.004	--	<.007	--	--	--	--	--
DEC													
18...	<.006	<.1	<.005	<.005	E.004	<.004	<.01	<.004	<.005	<.05	<.1	<.003	<.03
JAN													
14...	<.006	<.1	<.005	<.005	E.004	<.004	<.01	<.004	<.005	<.05	<.1	<.003	<.03
FEB													
13...	<.006	<.1	<.005	<.005	<.006	<.004	<.01	<.004	<.005	<.05	<.1	<.003	<.03
MAR													
12...	<.006	<.1	--	<.005	E.003	<.004	--	<.004	--	--	--	--	--
17...	<.006	<.1	<.005	<.005	E.004	<.004	<.01	<.004	<.005	<.05	<.1	<.003	<.03
APR													
04...	<.006	<.1	<.005	<.005	E.004	<.004	<.01	<.004	<.005	<.05	--u	<.003	<.03
15...	<.006	--u	<.005	<.005	E.004	<.004	<.01	<.004	<.005	--u	--u	<.003	<.03
MAY													
01...	<.006	<.1	<.005	<.005	E.004	<.004	<.01	<.004	<.005	<.05	<.1	<.003	<.03
13...	<.006	<.1	<.005	<.005	<.006	<.004	<.01	<.004	<.005	<.05	<.1	<.003	<.03
28...	<.006	<.1	<.005	<.005	E.004	<.004mc	<.01mc	<.004	<.005	<.05	<.1	<.003mc	<.03mc
JUN													
16...	<.006	<.1	<.005	<.005	E.004	<.004mc	<.01mc	<.004	<.005	<.05	<.1	<.003mc	<.03mc
JUL													
01...	<.006	<.1	<.005	<.005	<.006	<.004mc	<.01mc	<.004	<.005	<.05	<.1	<.016mc	<.03mc
14...	<.006	<.1	<.005	<.005	E.004	<.004mc	<.01mc	E.003	<.005	<.05	<.1	<.003mc	<.03mc
30...	<.006	<.1	<.005	<.005	<.006	<.004mc	<.01mc	<.004	<.005	--u	--u	<.003mc	<.03mc
AUG													
11...	<.006	<.1	<.005	<.005	E.004n	<.004mc	<.01mc	<.004	<.005	--u	--u	<.003mc	<.03mc
26...	<.006	<.1	<.005	<.005	<.006	<.004mc	<.01mc	<.004	<.005	--u	--u	<.003mc	<.03mc
SEP													
09...	<.006	<.1	<.005	<.005	E.003	<.004mc	<.01mc	<.004	<.005	--u	--u	<.003mc	<.03mc

Date	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	alpha-HCH, water, fltrd, ug/L (34253)	Amino-methyl-phos-phonic acid, wat flt ug/L (62649)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	beta-Endo-sulfan, water, fltrd, ug/L (34357)	Bifen-thrin, water, fltrd, ug/L (61580)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)
OCT													
09...	<.006	<.004	<.005	<.005	<.1	<.008	<.02	<.050	<.010	<.01	<.005	<.020	<.06
NOV													
08...	<.006	<.004	--	<.005	<.1	.012	<.02	E.081	<.010	--	--	<.020	<.06
DEC													
18...	<.006	<.004	<.005	<.005	<.1	.009	<.02	<.050	<.010	<.01	<.005	<.020	<.06
JAN													
14...	<.006	<.004	<.005	<.005	<.1	.008	<.02	E.040	<.010	<.01	<.005	<.020	<.06
FEB													
13...	<.006	<.004	<.005	<.005	<.1	.013	<.12	<.050	<.010	<.01	<.005	<.020	<.06
MAR													
12...	<.006	<.004	--	--	--	.010	<.02	<.050	<.010	--	--	--	<.06
17...	<.006	<.004	<.005	<.005	<.1	E.046	<.02	<.050	E.004*n	<.01	<.005	<.020	<.06
APR													
04...	<.006	<.004	<.005	<.005	<.1	.012	<.02	<.050	<.010	<.01	<.005	<.020	<.06
15...	<.006	<.004	<.005	<.005	<.1	.009	<.02	<.050	<.010	<.01	<.005	<.020	<.06
MAY													
01...	<.006	<.004	<.005	<.005	<.1	.015	<.02	<.050	<.010	<.01	<.005	<.020	<.06
13...	<.006	<.004	<.005	<.005	<.1	.013	<.02	<.050	<.010	<.01	<.005	<.020	<.06
28...	<.006	<.004	<.005	<.005	<.1	.015	<.03mc	<.050	<.010	<.01mc	<.005mc	<.020	<.06mc
JUN													
16...	<.006	<.004	<.005	<.005	<.1	.015	<.02mc	<.050	<.010	<.01mc	<.005mc	<.020	<.06mc
JUL													
01...	<.006	<.004	<.005	<.005	<.1	.020	<.02mc	<.050	<.010	<.01mc	<.005mc	<.020	<.02mc
14...	<.006	<.004	<.005	<.005	.1	.013	<.02mc	<.050	<.010	<.01mc	<.005mc	<.020	<.06mc
30...	<.006	<.004	<.005	<.005	.1	.010	<.02mc	<.050	<.010	<.01mc	<.005mc	<.020	<.06mc
AUG													
11...	<.006	<.004	<.005	<.005	.1	.017	<.02mc	<.050	<.010	<.01mc	<.005mc	<.020	<.06mc
26...	<.006	<.004	<.005	<.005	<.1	E.007n	<.02mc	<.050	<.010	<.01mc	<.005mc	<.020	<.06mc
SEP													
09...	<.006	<.004	<.005	<.005	<.1	E.005n	<.02mc	<.050	<.010	<.01mc	<.005mc	<.020	<.06mc

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Date	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	cis-Propiconazole, water, fltrd, ug/L (79846)	Cyclo-ate, water, fltrd, ug/L (04031)	Cyfluthrin, water, fltrd, ug/L (61585)	Cyhalothrin, water, fltrd, ug/L (61595)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Disulfoton sulfone water, fltrd, ug/L (61640)	Disulfoton sulfoxide, water, fltrd, ug/L (61641)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)
OCT													
09...	<.006	<.008	<.005	<.008	<.009	<.009	<.003	.022	<.005	<.006	<.02	<.002	<.02
NOV													
08...	<.006	--	--	<.008	--	<.009	<.003	.014	<.005	<.006	--	--	<.02
DEC													
18...	<.006	<.008	<.005	<.008	<.009	<.009	<.003	<.007	<.005	<.006	<.02	<.002	<.02
JAN													
14...	<.006	<.008	<.005	<.008	<.009	<.009	<.003	<.010	<.005	<.006	E.01	<.002	<.02
FEB													
13...	<.006	<.008	<.005	<.008	<.009	<.009	<.003	.012	<.005	<.006	<.02	<.002	<.02
MAR													
12...	<.006	--	--	<.008	--	<.009	<.003	.013	<.005	<.006	--	--	--
17...	<.006	E.016	<.005	<.008	<.009	<.009	<.003	E.013	<.005	<.006	<.02	<.002	<.02
APR													
04...	<.006	<.008	<.005	<.008	<.009	<.009	<.003	E.003n	<.005	<.006	<.02	<.002	<.02
15...	<.006	<.008	<.005	<.008	<.009	<.009	<.003	.005	<.005	<.006	<.02	<.002	<.02
MAY													
01...	<.006	<.008	<.005	<.008	<.009	<.009	<.003	.018	<.005	<.006	<.02	<.002	<.02
13...	<.006	<.008	<.005	<.008	<.009	<.009	<.003	.011	<.005	<.006	<.02	<.002	<.02
28...	<.006	<.008	<.005	<.008mc	<.009	<.009mc	<.003	.011	<.005	<.006mc	<.02	<.002mc	<.02
JUN													
16...	<.006	<.008	<.005	<.008mc	<.009	<.009mc	<.003	.010	<.005	<.006mc	<.02	<.002mc	<.03
JUL													
01...	<.006	<.008	<.005	<.016mc	<.009	<.016mc	<.003	.112	<.005	<.006mc	<.02	<.002mc	<.02
14...	<.006	<.008	<.005	<.008mc	<.009	<.009mc	<.003	.017	<.005	<.006mc	<.02	<.002mc	<.02
30...	<.006	E.003	<.005	<.008mc	<.009	<.009mc	<.003	.010	<.005	<.006mc	<.02	<.002mc	<.02
AUG													
11...	<.006	E.004	<.005	<.008mc	<.009	<.009mc	<.003	.017	<.005	<.006mc	<.02	<.002mc	<.02
26...	<.006	<.008	<.005	<.008mc	<.009	<.009mc	<.003	<.005	<.005	<.006mc	<.02	<.002mc	<.02
SEP													
09...	<.006	<.008	<.005	<.008mc	<.009	<.009mc	<.003	<.005	<.005	<.006mc	<.02	<.002mc	<.02

Date	e-Dimethomorph, water, fltrd, ug/L (79844)	Endosulfan ether, water, fltrd, ug/L (61642)	Endosulfan sulfate water, fltrd, ug/L (61590)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Fenthion sulfoxide, water, fltrd, ug/L (61647)	Fenthion, water, fltrd, ug/L (38801)
OCT													
09...	<.02	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02
NOV													
08...	--	--	--	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	--	--
DEC													
18...	<.02	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	E.01	<.008	<.02
JAN													
14...	<.02	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	E.01	<.008	<.02
FEB													
13...	<.02	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	--u	<.03	<.008	<.02
MAR													
12...	--	--	--	--	--	<.03	<.004	--	<.010	<.03	<.03	--	--
17...	<.02	<.004	<.006	<.002	<.009	<.03	<.004	<.005	E.029	<.03	<.03	<.008	<.02
APR													
04...	<.02	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02
15...	<.02	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02
MAY													
01...	<.02	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02
13...	<.02	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02
28...	<.02	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.031	<.03mc	<.03	<.008mc	<.02
JUN													
16...	<.02	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02
JUL													
01...	<.02	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02
14...	<.02	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02
30...	<.02	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02
AUG													
11...	<.02	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02
26...	<.02	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02
SEP													
09...	<.02	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Date	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Flumetralin, water, fltrd, ug/L (61592)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Glufosinate, water, fltrd 0.7u GF ug/L (62721)	Glyphosate, water, fltrd 0.7u GF ug/L (62722)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Lindane water, fltrd, ug/L (39341)
OCT													
09...	<.009	<.005	<.007	<.007	<.004	<.002	<.003	<.1	<.1	<.013	<1	<.003	<.004
NOV													
08...	<.009	<.005	<.005	E.008	--	<.002	<.003	<.1	<.1	--	<1	<.003	<.004
DEC													
18...	<.009	<.005	E.005	E.006	<.004	<.002	<.003	<.1	<.1	<.013	<1	<.003	<.004
JAN													
14...	<.009	<.005	<.005	E.007	<.004	<.002	<.003	<.1	<.1	<.013	<1	<.003	<.004
FEB													
13...	<.009	<.005	<.005	<.007	<.004	<.002	<.003	<.1	<.1	<.013	<1	<.003	<.004
MAR													
12...	<.009	<.005	<.005	E.006	--	<.002	<.003	--	--	--	<1	<.003	--
17...	<.009	<.005	<.010	E.012	<.004	<.002	<.003	<.1	.3	<.013	<1	<.003	<.004
APR													
04...	<.009	<.005	<.005	<.007	<.004	<.002	<.003	<.1	<.1	<.013	<1	<.003	<.004
15...	<.009	<.005	<.005	E.005	<.004	<.002	<.003	<.1	<.1	<.013	<1	<.003	<.004
MAY													
01...	<.009	<.005	<.005	<.007	<.004	<.002	<.003	<.1	<.1	<.013	<1	<.003	<.004
13...	<.009	<.005	<.005	E.007	<.004	<.002	<.003	<.1	<.1	<.013	<1	<.003	<.004
28...	<.009	<.005	<.005	E.008	<.004	<.002mc	<.003	<.1	<.1	<.013	<1mc	<.003	<.004
JUN													
16...	<.009	<.005	<.005	E.010	<.004	<.002mc	<.003	<.1	<.1	<.013	<1mc	<.003	<.004
JUL													
01...	<.009	<.005	<.005	E.026	<.004	<.002mc	<.003	<.1	.1	<.013	<1mc	<.003	<.004
14...	<.009	<.005	<.005	<.007	<.004	<.002mc	<.003	<.1	<.1	<.013	<1mc	<.003	<.004
30...	<.009	<.005	<.005	<.007	<.004	<.002mc	<.003	<.1	<.1	<.013	<1mc	<.003	<.004
AUG													
11...	<.009	<.005	.007	E.011	<.004	<.002mc	<.003	<.1	.1	<.013	<1mc	<.003	<.004
26...	<.009	<.005	<.005	<.007	<.004	<.002mc	<.003	<.1	<.1	<.013	<1mc	<.003	<.004
SEP													
09...	E.004	<.005	<.005	<.007	<.004	<.002mc	<.003	<.1	<.1	<.013	<1mc	<.003	<.004

Date	Linuron water fltrd 0.7u GF ug/L (82666)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methidathion water, fltrd, ug/L (61598)	c-Permethric acid methyl ester, wat flt ug/L (79842)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	t-Permethric acid methyl ester, wat flt ug/L (79843)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Myclobutanil water, fltrd, ug/L (61599)
OCT													
09...	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.006	<.03	<.013	<.006	<.002	<.008
NOV													
08...	<.035	<.008	<.027	<.005	<.006	--	<.03	<.006	--	<.013	<.006	<.002	<.008
DEC													
18...	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.006	<.03	<.013	<.006	<.002	<.008
JAN													
14...	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.006	<.03	<.013	<.006	<.002	<.008
FEB													
13...	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.006	<.03	<.013	<.006	<.002	<.008
MAR													
12...	--	<.008	<.027	<.005	<.006	--	<.03	<.006	--	<.013	<.006	--	<.008
17...	<.035	<.008	E.009	<.005	<.006	<.04	<.03	<.006	<.03	<.013	<.006	<.002	<.008
APR													
04...	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.006	<.03	<.013	<.006	<.002	<.008
15...	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.006	<.03	<.013	<.006	<.002	<.008
MAY													
01...	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.006	<.03	<.013	<.006	<.002	<.008
13...	<.035	<.008	<.027	<.005	<.006	<.04	<.03	<.006	<.03	<.013	<.006	<.002	<.008
28...	<.035	<.008	<.027	<.005	<.006	<.04	<.03mc	<.006	<.03	<.013	<.006	<.002	<.008
JUN													
16...	<.035	<.008	<.027	<.005	<.006	<.04	<.03mc	<.006	<.03	<.013	<.006	<.002	<.008
JUL													
01...	<.035	<.008	E.027n	.056	<.006	<.04	<.03mc	<.006	<.03	<.013	<.006	<.002	.015
14...	<.035	<.008	<.027	<.005	<.006	<.04	<.03mc	<.006	<.03	<.013	<.006	<.002	.010
30...	<.035	<.008	<.027	<.005	<.006	<.04	<.03mc	<.006	<.03	<.013	<.006	<.002	<.008
AUG													
11...	<.035	<.008	.051	.006	<.006	<.04	<.03mc	<.006	<.03	<.013	<.006	<.002	.010
26...	<.035	<.008	<.027	<.005	<.006	<.04	<.03mc	<.006	<.03	<.013	<.006	<.002	<.008
SEP													
09...	<.035	<.008	<.027	<.005	<.006	<.04	<.03mc	<.006	<.03	<.013	<.006	<.002	<.008

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Date	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	O-Et-O-Me-S-Pr-phos-phoro-thioate wat flt ug/L (61660)	Oxy-fluor-fen, water, fltrd, ug/L (61600)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-oxon, water, fltrd, ug/L (61663)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Phoste-bupirim water, fltrd, ug/L (61602)
OCT													
09...	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005
NOV													
08...	<.007	--	--	<.003	--	<.010	<.004	<.022	<.10	<.011	<.06	<.008	--
DEC													
18...	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005
JAN													
14...	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005
FEB													
13...	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005
MAR													
12...	--	--	--	--	--	--	--	.031	<.10	<.011	<.06	<.008	--
17...	<.007	<.008	<.007	<.003	<.008	<.010	<.004	E.056	<.10	<.011	<.06	<.008	<.005
APR													
04...	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005
15...	<.007	<.008	<.007	<.003	<.008	<.010	<.004	E.011n	<.10	<.011	<.06	<.008	<.005
MAY													
01...	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.025	<.10	<.011	<.06	<.008	<.005
13...	<.007	<.008	<.007	<.003	<.008	<.010	<.004	E.010n	<.10	<.011	<.06	<.008	<.005
28...	<.007	<.008	<.007	<.003	<.008	<.010	<.004	E.010n	<.10mc	<.011	<.06mc	<.008mc	<.005
JUN													
16...	<.007	<.008	<.007	<.003	<.008	<.010	<.004	E.011n	<.10mc	<.011	<.06mc	<.008mc	<.005
JUL													
01...	<.007	<.008	<.007	<.003	<.016	<.010	<.004	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005
14...	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005
30...	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005
AUG													
11...	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005
26...	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005
SEP													
09...	<.007	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005

Date	Pro-fenofos water, fltrd, ug/L (61603)	Prome-ton, water, fltrd, ug/L (04037)	Prome-tryn, water, fltrd, ug/L (04036)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Propet-amphos, water, fltrd, ug/L (61604)	Sima-zine, water, fltrd, ug/L (04035)	Sulfo-tepp, water, fltrd, ug/L (61605)	Sulpro-fos, water, fltrd, ug/L (38716)	Tebu-pirim-phos oxon, water, fltrd, ug/L (61669)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)
OCT													
09...	<.006	E.01n	<.005	<.004	<.010	<.011	<.02	<.004	.311	<.003	<.02	<.006	.02
NOV													
08...	--	E.01n	<.005	<.004	<.010	<.011	<.02	--	.789	--	--	--	.03
DEC													
18...	<.006	E.01n	<.005	<.004	<.010	<.011	<.02	<.004	1.21	<.003	<.02	<.006	.03
JAN													
14...	<.006	E.01n	<.005	<.004	<.010	<.011	<.02	<.004	.517	<.003	<.02	<.006	.03
FEB													
13...	<.006	<.01	<.005	<.004	<.010	<.011	<.02	<.004	.420	<.003	<.02	<.006	.03
MAR													
12...	--	<.01	<.005	<.004	--	--	--	--	.119	--	--	--	<.02
17...	<.006	E.02	<.005	<.004	<.010	<.011	<.02	<.004	E.463	<.003	<.02	<.006	E.02
APR													
04...	<.006	<.01	<.005	<.004	<.010	<.011	<.02	<.004	.052	<.003	<.02	<.006	.02
15...	<.006	E.01n	<.005	<.004	<.010	<.011	<.02	<.004	.064	<.003	<.02	<.006	E.03
MAY													
01...	<.006	E.01n	<.005	<.004	<.010	<.011	<.02	<.004	.069	<.003	<.02	<.006	E.03
13...	<.006	E.01n	<.005	<.004	<.010	<.011	<.02	<.004	.047	<.003	<.02	<.006	.02
28...	<.006	E.01n	<.005	<.004	<.010	<.011	<.02	<.004	.025	<.003mc	<.02mc	<.006	.03
JUN													
16...	<.006	E.01n	<.005	<.004	<.010	<.011	<.02	<.004	.022	<.003mc	<.02mc	<.006	.02
JUL													
01...	<.006	.05	<.005	<.004	<.010	<.011	<.02	<.004	.014	<.003mc	<.02mc	<.006	.06
14...	<.006	.09	<.005	<.004	<.010	<.011	<.02	<.004	<.005	<.003mc	<.02mc	<.006	.02
30...	<.006	E.01n	<.005	<.004	<.010	<.011	<.02	<.004	.012	<.003mc	<.02mc	<.006	.02
AUG													
11...	<.006	.03	<.005	<.004	<.010	<.011	<.02	<.004	.011	<.003mc	<.02mc	<.006	.02
26...	<.006	E.01n	<.005	<.004	<.010	<.011	<.02	<.004	.007	<.003mc	<.02mc	<.006	.02
SEP													
09...	<.006	E.01n	<.005	<.004	<.010	<.011	<.04	<.004	.011	<.003mc	<.02mc	<.006	.03

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Date	Teflu-thrin metab-olite R119365 wat flt ug/L (61671)	Teflu-thrin metab-olite R152913 wat flt ug/L (61672)	Teflu-thrin, water, fltrd, ug/L (61606)	Teme-phos, water, fltrd, ug/L (61607)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Ter-bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Ter-buthyl-azine, water, fltrd, ug/L (04022)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	trans-Propi-cona-zole, water, fltrd, ug/L (79847)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tribu-phos, water, fltrd, ug/L (61610)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)
OCT													
09...	<.02	<.01	<.008	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009
NOV													
08...	--	--	--	--	<.034	<.07	<.02	<.01	<.005	--	<.002	--	<.009
DEC													
18...	<.02	<.01	<.008	<.3	<.034	<.07	<.02	.04	<.005	<.01	<.002	<.004	<.009
JAN													
14...	<.02	<.01	<.008	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009
FEB													
13...	<.02	<.01	<.008	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009
MAR													
12...	--	--	--	--	--	<.07	<.02	<.01	--	--	--	--	<.009
17...	<.02	<.01	<.008	<.3	<.034	<.07	<.02	<.01	<.005	E.02	<.002	<.004	E.004*n
APR													
04...	--	--	<.008	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009
15...	--	--	<.008	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009
MAY													
01...	--	--	<.008	<.4	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009
13...	--	--	<.008	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009
28...	--	--	<.008mc	<.3mc	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004mc	<.009
JUN													
16...	--	--	<.008mc	<.3mc	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004mc	<.009
JUL													
01...	--	--	<.008mc	<.3mc	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004mc	<.009
14...	--	--	<.008mc	--u	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004mc	<.009
30...	--	--	<.008mc	<.3mc	<.034	<.07	<.02	<.01	<.005	E.01	<.002	<.004mc	<.009
AUG													
11...	--	--	<.008mc	<.3mc	<.034	<.07	<.02	<.01	<.005	E.01	<.002	<.004mc	<.009
26...	--	--	<.008mc	<.3mc	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004mc	<.009
SEP													
09...	--	--	<.008mc	<.3mc	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004mc	<.009

Date	z-Di-metho-morph, water, fltrd, ug/L (79845)	Di-chlor-vos, water fltrd, ug/L (38775)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment load, tons/d (80155)	Sample purpose code (71999)	Sampler type, code (84164)
OCT							
09...	<.05	<.01	96	4	.15	15.00	3070
NOV							
08...	--	<.01	94	5	.35	15.00	3045
DEC							
18...	<.05	<.01	88	4	.10	15.00	3045
JAN							
14...	<.05	<.01	80	5	--	15.00	3045
FEB							
13...	<.05	<.01	80	5	.35	15.00	3045
MAR							
12...	--	<.01	93	6	.68	15.00	3045
17...	<.05	<.01	60	64	17	15.00	3045
APR							
04...	<.05	<.01	90	7	.60	15.00	3045
15...	<.05	<.01	89	8	.63	15.00	3045
MAY							
01...	<.05	<.01	97	9	.78	15.00	3045
13...	<.05	<.01	69	9	.87	15.00	3045
28...	<.05	<.01mc	94	6	.70	15.00	3045
JUN							
16...	<.05	<.01mc	88	11	1.4	15.00	3045
JUL							
01...	<.05	<.01mc	33	854	1420	15.00	3051
14...	<.05	E.01mc	86	25	4.0	15.00	3045
30...	<.05	<.01mc	92	12	.97	15.00	3045
AUG							
11...	<.05	<.01mc	91	27	3.3	15.00	3045
26...	<.05	<.01mc	90	4	.22	15.00	3045
SEP							
09...	<.05	<.01mc	78	4	.19	15.00	3070

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT 24...	1300	1028	80020	1.74	14	40	2.1	747	8.5	89	7.2	104	16.4

Date	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)
OCT 24...	31	.0	8.71	2.32	2.06	.4	5.55	26	31	38	6.93	<.17	15.2

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/d (70302)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)
OCT 24...	4.8	67	2.50	66	.25	<.04	.49	<.008	<.02	.03	.012	.74	.1

Date	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)
OCT 24...	<.1	<.1	1.7	2	<.30	<2	31	<.06	<.04	<.8	.30	.9	103

Date	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	2,4-D water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)
OCT 24...	<.08	123	.5	.39	<3	<.20	3	<.009	<.02	<.02	<.006	<.006	E.02

Date	OIET, water, fltrd, ug/L (50355)	3-Hydroxy carbofuran, wat flt 0.7u GF ug/L (49308)	Acetochlor, water, fltrd, ug/L (49260)	Acifluorfen, water, fltrd 0.7u GF ug/L (49315)	Alachlor, water, fltrd, ug/L (46342)	Aldicarb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldicarb sulfoxide, wat flt 0.7u GF ug/L (49314)	Aldicarb, water, fltrd 0.7u GF ug/L (49312)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Bendiocarb, water, fltrd, ug/L (50299)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)
OCT 24...	<.008	<.006	<.006	<.007	<.004	<.02	<.008	<.04	<.005	.017	<.050	<.03	<.010

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Date	Benomyl water, fltrd, ug/L (50300)	Bensul-furon, water, fltrd, ug/L (61693)	Ben-tazon, water, fltrd 0.7u GF ug/L (38711)	Broma-cil, water, fltrd, ug/L (04029)	Brom-oxynil, water, fltrd 0.7u GF ug/L (49311)	Caf-feine, water, fltrd, ug/L (50305)	Car-baryl, water, fltrd 0.7u GF ug/L (49310)	Carbo-furan, water, fltrd 0.7u GF ug/L (49309)	Chlor-Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Chlor-amben methyl ester, water, fltrd, ug/L (61188)	Chloro-Chlori-muron, water, fltrd, ug/L (50306)	cis-di-amino-s-tri-azine, wat flt ug/L (04039)	Per-methrin water fltrd 0.7u GF ug/L (82687)
OCT 24...	.007	<.02	<.01	E.02	<.02	M	E.01	<.006	<.020	<.02	<.010	<.01	<.006

Date	Cyclo-ate, water, fltrd, ug/L (04031)	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Dicamba water fltrd 0.7u GF ug/L (38442)	Di-chlor-prop, water, fltrd 0.7u GF ug/L (49302)	Diel-drin, water, fltrd, ug/L (39381)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphen-amid, water, fltrd, ug/L (04033)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	Diuron, water, fltrd 0.7u GF ug/L (49300)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)
OCT 24...	<.01	<.01	<.003	.011	<.01	<.01	<.005	<.01	<.03	<.02	E.01	<.002	<.009

Date	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Flumet-sulam, water, fltrd, ug/L (61694)	Fluo-meturon water fltrd 0.7u GF ug/L (38811)	Fonofos water, fltrd, ug/L (04095)	Imaza-quin, water, fltrd, ug/L (50356)	Imaze-thapyr, water, fltrd, ug/L (50407)	Imida-cloprid water, fltrd, ug/L (61695)	Lindane water, fltrd, ug/L (39341)
OCT 24...	<.005	<.03	<.009	<.005	<.005	<.007	<.01	<.03	<.003	<.02	<.02	<.007	<.004

Date	Linuron water fltrd 0.7u GF ug/L (38478)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala-thion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Meta-laxyl, water, fltrd, ug/L (50359)	Methio-carb, water, fltrd 0.7u GF ug/L (38501)	Meth-omyl, water, fltrd 0.7u GF ug/L (49296)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Metsul-furon, water, fltrd, ug/L (61697)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)
OCT 24...	<.01	<.035	<.027	<.02	<.01	<.02	<.008	<.004	<.006	<.013	<.006	<.03	<.002

Date	N-(4-Chloro-phenyl) -N'-methyl-urea, ug/L (61692)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nico-sul-furon, water, fltrd, ug/L (50364)	Norflur-azon, water, fltrd 0.7u GF ug/L (49293)	Ory-zalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Pic-loram, water, fltrd 0.7u GF ug/L (49291)
OCT 24...	<.02	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011	<.02

Date	Prome-ton, water, fltrd, ug/L (04037)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Propham water fltrd 0.7u GF ug/L (49236)	Propi-cona-zole, water, fltrd, ug/L (50471)	Pro-poxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Sima-zine, water, fltrd, ug/L (04035)	Sulfo-met-ruron, water, fltrd, ug/L (50337)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)
OCT 24...	E.01n	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02	.296	<.009	.03	<.034

APALACHICOLA RIVER BASIN
2003 Water Year

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Date	Terbacil, water, fltrd, ug/L (04032)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Tribenuron water, fltrd, ug/L (61159)	Triclopyr, water, fltrd 0.7u GF ug/L (49235)	1,1,1,2 Trifluralin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,-Tetrachloroethane, water, unfltrd ug/L (77562)	1,1,2,2 Trichloroethane, water, unfltrd ug/L (34506)	1,1,2,2 -Tetrachloroethane, water, unfltrd ug/L (34516)	1,1,2-Trichloroethane, water, unfltrd ug/L (77652)	Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethane, water unfltrd ug/L (34496)
OCT 24...	<.010	<.02	<.005	<.002	--u	<.02	<.009	<.03	<.03	<.09	<.06	<.06	<.04

Date	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)
OCT 24...	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1

Date	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	2-Ethyltoluene water unfltrd ug/L (77220)	3-Chloropropene water unfltrd ug/L (78109)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylonitrile water unfltrd ug/L (34215)
OCT 24...	<.03	<.04	<.03	<.1	<.05	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1

Date	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromoethene, water, unfltrd ug/L (50002)	Bromomethane water unfltrd ug/L (34413)	Carbon disulfide water unfltrd ug/L (77041)	Chlorobenzene water unfltrd ug/L (34301)	Chloroethane, water, unfltrd ug/L (34311)	Chloromethane water unfltrd ug/L (34418)	cis-1,2-Dichloroethene, water, unfltrd ug/L (77093)	cis-1,3-Dichloropropene water unfltrd ug/L (34704)	Dibromochloromethane water unfltrd ug/L (32105)
OCT 24...	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04	<.09	<.2

Date	Dibromomethane water unfltrd ug/L (30217)	Dichlorodifluoromethane wat unf ug/L (34668)	Dichloromethane water unfltrd ug/L (34423)	Diethyl ether, water, unfltrd ug/L (81576)	Diisopropyl ether, water, unfltrd ug/L (81577)	Ethyl methacrylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethylbenzene water unfltrd ug/L (34371)	Hexachlorobutadiene, water, unfltrd ug/L (39702)	Hexachloroethane, water, unfltrd ug/L (34396)	Iodomethane water unfltrd ug/L (77424)	Isobutyl methyl ketone, water, unfltrd ug/L (78133)	Isopropylbenzene water unfltrd ug/L (77223)
OCT 24...	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06

Date	Methacrylonitrile water unfltrd ug/L (81593)	Methyl acrylate, water, unfltrd ug/L (49991)	Methyl methacrylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphthalene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butylbenzene water unfltrd ug/L (77342)	n-propylbenzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butylbenzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)
OCT 24...	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07	<.06	<.04	<.05

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Date	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	trans-Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-Tri-chloro-ethene, water, unfltrd ug/L (39180)	chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)
OCT													
24...	<.2	<.10	<.03	<.06	<2	E.02	<.03	<.09	<.7	<.10	<.04	<.09	E.02

Date	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Di-chlor-vos, water fltrd, ug/L (38775)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment load, tons/d (80155)	Sample purpose code (71999)	Sampler type, code (84164)
OCT								
24...	<.1	<1.00	.02	91	4	.15	10.00	3070

Date	Time	Medium code	Agency col-lecting sample, code (00027)	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Tur-bidity, water, unfltrd field, NTU (61028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
APR												
29...	1000	D	1028	80020	2.15	34	8.7	1.8	E50	E51.40	.5	1.0
29...	1005	D	1028	80020	2.15	34	--	.4	E17	E17.50	<.1	.3

Remark codes used in this report:
- < -- Less than
- E -- Estimated value
- M -- Presence verified, not quantified

Value qualifier codes used in this report:
- * -- Sample was warm when received
- c -- See laboratory comment
- d -- Diluted sample: method hi range exceeded
- m -- Highly var comp using method, ? prec
- n -- Below the NDV

Null value qualifier codes used in this report:
- m -- Results sent by separate memo
- u -- Unable to determine-matrix interference

APALACHICOLA RIVER BASIN
2003 Water Year

02335870 SOPE CREEK NEAR MARIETTA, GA
(National Water-Quality Assessment station)

LOCATION.—Lat 33°57'14", long 84°26'36" referenced to North American Datum (NAD) of 1983, Cobb County, Hydrologic Unit 03130001, on downstream side of bridge on Lower Roswell Road (South Roswell Road), 0.3 miles downstream from Bishop Creek, 6.1 miles east of Marietta, and 2.6 miles upstream from mouth.

DRAINAGE AREA.—29.2 square miles, approximately.

COOPERATION.—USGS National Water-Quality Assessment (NAWQA) Program; Atlanta Regional Commission.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.—April 29, 2003 (invertebrates) and July 16, 2003 (fishes).

REMARKS.—Data collection protocols used are from the Revised Protocols for Sampling Algal, Invertebrate, and Fish Communities as Part of the National Water-Quality Assessment Program (USGS, Open File Report 02-150, 2002). The Biological Group of the USGS National Water Quality Laboratory identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 180 meters. Fish abbreviations: TL-total length in millimeters, SL-standard length in millimeters. Weight is measured in grams.

Invertebrates

Sample Type	Order	Family	BU_ID	Lifestage	Abundance
QMH	Tubificida	Tubificidae	Tubificidae		1
QMH	Amphipoda	Hyalellidae	Hyalella azteca (Saussure)		1
QMH	Ephemeroptera	Baetidae	Baetis sp.	L	1
QMH	Ephemeroptera	Baetidae	Baetis flavistriga McDunnough	L	1
QMH	Ephemeroptera	Baetidae	Plauditus sp.	L	1
QMH	Ephemeroptera	Baetidae	Pseudocloeon sp.	L	1
QMH	Odonata	Calopterygidae	Calopteryx maculata (Beauvois)	L	1
QMH	Odonata	Aeshnidae	Boyeria vinosa (Say)	L	1
QMH	Hemiptera	Gerridae	Aquarius conformis (Uhler)	A	1
QMH	Trichoptera	Hydropsychidae	Cheumatopsyche sp.	L	1
QMH	Trichoptera	Hydropsychidae	Hydropsyche depravata group	L	1
QMH	Coleoptera	Elmidae	Ancyronyx variegata (Germar)	L	1
QMH	Coleoptera	Elmidae	Ancyronyx variegata (Germar)	A	1
QMH	Diptera	Chironomidae	Chironomidae	L	1
QMH	Diptera	Chironomidae	Chironomus sp.	L	1
QMH	Diptera	Chironomidae	Dicrotendipes sp.	L	1
QMH	Diptera	Chironomidae	Parachironomus sp.	L	1
QMH	Diptera	Chironomidae	Phaenopsectra sp.	L	1
QMH	Diptera	Chironomidae	Polypedilum sp.	L	1
QMH	Diptera	Chironomidae	Tribelos sp.	L	1
QMH	Diptera	Chironomidae	Paratanytarsus sp.	L	1
QMH	Diptera	Chironomidae	Rheotanytarsus sp.	L	1
QMH	Diptera	Chironomidae	Tanytarsus sp.	L	1
QMH	Diptera	Chironomidae	Potthastia sp.	L	1
QMH	Diptera	Chironomidae	Cricotopus/Orthocladius sp.	L	1
QMH	Diptera	Chironomidae	Brillia sp.	L	1
QMH	Diptera	Chironomidae	Chaetocladius sp.	L	1
QMH	Diptera	Chironomidae	Cricotopus bicinctus group	L	1
QMH	Diptera	Chironomidae	Eukiefferiella sp.	L	1
QMH	Diptera	Chironomidae	Pseudosmittia sp.	L	1
QMH	Diptera	Chironomidae	Rheocricotopus sp.	L	1
QMH	Diptera	Chironomidae	Tvetenia sp.	L	1
QMH	Diptera	Chironomidae	Thienemannimyia group sp. (Coffman and Ferrington, 1996)	L	1

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Sample Type	Order	Family	BU_ID	Lifestage	Abundance
QMH	Diptera	Chironomidae	Ablabesmyia sp.	L	1
QMH	Diptera	Simuliidae	Simuliidae	L	1
QMH	Diptera	Tipulidae	Limonia sp.	L	1
RTH			Nematoda		2
RTH	Tubificida	Naididae	Naididae		17
RTH	Tubificida	Tubificidae	Tubificidae		45
RTH			Acari		1
RTH	Collembola		Collembola		2
RTH	Ephemeroptera	Baetidae	Baetidae	L	1
RTH	Ephemeroptera	Baetidae	Centroptilum/Procloeon sp.	L	2
RTH	Ephemeroptera	Baetidae	Baetis sp.	L	3
RTH	Ephemeroptera	Baetidae	Baetis flavistriga McDunnough	L	5
RTH	Ephemeroptera	Baetidae	Baetis intercalaris McDunnough	L	1
RTH	Ephemeroptera	Baetidae	Pseudocloeon sp.	L	84
RTH	Trichoptera	Hydropsychidae	Hydropsychidae	L	1
RTH	Trichoptera	Hydropsychidae	Cheumatopsyche sp.	L	1
RTH	Trichoptera	Hydropsychidae	Hydropsyche sp.	P	1
RTH	Coleoptera	Staphylinidae	Staphylinidae	A	1
RTH	Coleoptera	Elmidae	Ancyronyx variegata (Germar)	A	3
RTH	Coleoptera	Elmidae	Ancyronyx variegata (Germar)	L	7
RTH	Diptera		Nematocera	P	1
RTH	Diptera	Chironomidae	Chironomidae	P	7
RTH	Diptera	Chironomidae	Chironomidae	A	11
RTH	Diptera	Chironomidae	Chironominae	P	20
RTH	Diptera	Chironomidae	Chironomini	L	1
RTH	Diptera	Chironomidae	Chironomus sp.	L	17
RTH	Diptera	Chironomidae	Cryptochironomus sp.	L	1
RTH	Diptera	Chironomidae	Dicrotendipes sp.	L	8
RTH	Diptera	Chironomidae	Microtendipes sp.	L	2
RTH	Diptera	Chironomidae	Phaenopsectra sp.	L	1
RTH	Diptera	Chironomidae	Polypedilum sp.	L	24
RTH	Diptera	Chironomidae	Tribelos sp.	L	1
RTH	Diptera	Chironomidae	Micropsectra/Tanytarsus sp.	L	1
RTH	Diptera	Chironomidae	Rheotanytarsus sp.	L	3
RTH	Diptera	Chironomidae	Tanytarsus sp.	L	3
RTH	Diptera	Chironomidae	Potthastia sp.	L	4
RTH	Diptera	Chironomidae	Orthocladiinae	P	17
RTH	Diptera	Chironomidae	Orthocladiinae	L	1
RTH	Diptera	Chironomidae	Cricotopus/Orthocladius sp.	L	2
RTH	Diptera	Chironomidae	Cricotopus sp.	L	12
RTH	Diptera	Chironomidae	Cricotopus bicinctus group	L	2
RTH	Diptera	Chironomidae	Cricotopus bicinctus group	P	1
RTH	Diptera	Chironomidae	Eukiefferiella sp.	L	2
RTH	Diptera	Chironomidae	Psectrocladius sp.	L	2
RTH	Diptera	Chironomidae	Pseudosmittia sp.	L	2
RTH	Diptera	Chironomidae	Tvetenia sp.	L	2
RTH	Diptera	Chironomidae	Thienemannimyia group sp. (Coffman and Ferrington, 1996)	L	1
RTH	Diptera	Chironomidae	Ablabesmyia sp.	L	1
RTH	Diptera	Chironomidae	Procladius sp.	L	1
RTH	Diptera	Simuliidae	Simuliidae	L	3
RTH	Diptera	Tipulidae	Tipulidae	L	3
RTH			Nematoda		4
RTH	Veneroida	Corbiculidae	Corbicula sp.		2
RTH	Tubificida	Naididae	Naididae		4
RTH			Acari		4
RTH	Collembola		Collembola		4
RTH	Ephemeroptera	Baetidae	Baetidae	L	10
RTH	Ephemeroptera	Baetidae	Centroptilum/Procloeon sp.	L	2
RTH	Ephemeroptera	Baetidae	Acentrella turbida (McDunnough)	L	8
RTH	Ephemeroptera	Baetidae	Baetis sp.	L	12
RTH	Ephemeroptera	Baetidae	Baetis flavistriga McDunnough	L	14
RTH	Ephemeroptera	Baetidae	Baetis intercalaris McDunnough	L	2
RTH	Ephemeroptera	Baetidae	Pseudocloeon sp.	L	32
RTH	Odonata	Gomphidae	Gomphidae	L	2
RTH	Trichoptera	Hydropsychidae	Hydropsychidae	L	18
RTH	Trichoptera	Hydropsychidae	Ceratopsyche sp.	L	2
RTH	Trichoptera	Hydropsychidae	Cheumatopsyche sp.	L	30
RTH	Trichoptera	Hydropsychidae	Hydropsyche sp.	L	24
RTH	Trichoptera	Hydropsychidae	Hydropsyche depravata group	L	15
RTH	Trichoptera	Hydropsychidae	Hydropsyche betteni Ross	P	2
RTH	Diptera		Nematocera	A	6
RTH	Diptera	Chironomidae	Chironomidae	P	16
RTH	Diptera	Chironomidae	Chironomidae	A	72
RTH	Diptera	Chironomidae	Chironominae	P	38

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Sample Type	Order	Family	BU_ID	Lifestage	Abundance
RTH	Diptera	Chironomidae	Dicrotendipes sp.	L	2
RTH	Diptera	Chironomidae	Parachironomus sp.	L	2
RTH	Diptera	Chironomidae	Polypedilum sp.	L	120
RTH	Diptera	Chironomidae	Robackia sp.	L	2
RTH	Diptera	Chironomidae	Rheotanytarsus sp.	L	106
RTH	Diptera	Chironomidae	Rheotanytarsus sp.	P	6
RTH	Diptera	Chironomidae	Tanytarsus sp.	L	12
RTH	Diptera	Chironomidae	Potthastia sp.	L	2
RTH	Diptera	Chironomidae	Orthocladiinae	L	2
RTH	Diptera	Chironomidae	Orthocladiinae	P	22
RTH	Diptera	Chironomidae	Cricotopus/Orthocladius sp.	L	30
RTH	Diptera	Chironomidae	Brillia sp.	L	4
RTH	Diptera	Chironomidae	Cardiocladius sp.	L	10
RTH	Diptera	Chironomidae	Cricotopus sp.	L	4
RTH	Diptera	Chironomidae	Cricotopus bicinctus group	L	10
RTH	Diptera	Chironomidae	Eukiefferiella sp.	L	18
RTH	Diptera	Chironomidae	Parametriocnemus sp.	L	2
RTH	Diptera	Chironomidae	Tvetenia sp.	L	22
RTH	Diptera	Chironomidae	Thienemannimyia group sp. (Coffman and Ferrington, 1996)	L	2
RTH	Diptera	Simuliidae	Simuliidae	L	16
RTH	Diptera	Tipulidae	Antocha sp.	L	20
RTH	Diptera		Brachycera	A	8
RTH	Diptera	Empididae	Empididae	A	2

Fishes

Scientific Name	Common Name	Method	ShockSec	Count	SL	TL	Weight
Ameiurus brunneus	snail bullhead	11A	1158	1	170	205	120
Ameiurus brunneus	snail bullhead	11A	1158	1	143	168	70
Ameiurus brunneus	snail bullhead	11A	1158	1	79	95	9.6
Campostoma pauciradii	bluefin stoneroller	11A	1158	1	113	139	34
Campostoma pauciradii	bluefin stoneroller	11A	1158	1	74	87	5.9
Campostoma pauciradii	bluefin stoneroller	11A	1158	1	90	107	14
Campostoma pauciradii	bluefin stoneroller	11A	1158	1	97	111	14
Campostoma pauciradii	bluefin stoneroller	11A	1158	1	83	97	10
Campostoma pauciradii	bluefin stoneroller	11A	1158	1	78	94	10
Catostomus commersoni	white sucker	11A	1158	1	NA	320	NA
Catostomus commersoni	white sucker	11A	1158	1	192	234	146
Catostomus commersoni	white sucker	11A	1158	1	172	207	90
Hypentelium etowanum	Alabama hog sucker	11A	1158	1	166	200	76
Hypentelium etowanum	Alabama hog sucker	11A	1158	1	117	122	22
Hypentelium etowanum	Alabama hog sucker	11A	1158	1	85	100	12
Lepomis auritus	redbreast sunfish	11A	1158	1	124	157	66
Lepomis auritus	redbreast sunfish	11A	1158	1	90	117	24
Lepomis auritus	redbreast sunfish	11A	1158	1	54	70	6
Lepomis auritus	redbreast sunfish	11A	1158	1	42	55	4
Lepomis auritus	redbreast sunfish	11A	1158	1	80	104	18
Lepomis auritus	redbreast sunfish	11A	1158	1	112	130	40
Lepomis auritus	redbreast sunfish	11A	1158	1	56	74	6
Lepomis auritus	redbreast sunfish	11A	1158	1	86	113	22
Lepomis auritus	redbreast sunfish	11A	1158	1	97	127	32
Lepomis auritus	redbreast sunfish	11A	1158	1	46	59	4
Lepomis auritus	redbreast sunfish	11A	1158	1	67	88	8
Lepomis auritus	redbreast sunfish	11A	1158	1	61	80	8
Lepomis auritus	redbreast sunfish	11A	1158	1	68	90	10
Lepomis auritus	redbreast sunfish	11A	1158	1	34	45	1.4
Lepomis auritus	redbreast sunfish	11A	1158	1	42	53	2.2
Lepomis auritus	redbreast sunfish	11A	1158	1	37	48	1.6
Lepomis auritus	redbreast sunfish	11A	1158	1	37	51	1.8
Lepomis auritus	redbreast sunfish	11A	1158	1	64	83	10
Lepomis auritus	redbreast sunfish	11A	1158	1	66	86	10
Lepomis auritus	redbreast sunfish	11A	1158	1	46	60	3.1
Lepomis auritus	redbreast sunfish	11A	1158	1	44	57	2.4
Lepomis auritus	redbreast sunfish	11A	1158	1	92	122	32
Lepomis auritus	redbreast sunfish	11A	1158	1	47	60	4

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Scientific Name	Common Name	Method	ShockSec	Count	SL	TL	Weight
Lepomis auritus	redbreast sunfish	11A	1158	1	41	52	2.3
Lepomis auritus	redbreast sunfish	11A	1158	1	64	81	8
Lepomis auritus	redbreast sunfish	11A	1158	1	40	51	1.6
Lepomis auritus	redbreast sunfish	11A	1158	1	64	81	10
Lepomis auritus	redbreast sunfish	11A	1158	1	41	53	2.1
Lepomis auritus	redbreast sunfish	11A	1158	1	62	80	10
Lepomis auritus	redbreast sunfish	11A	1158	1	77	97	20
Lepomis auritus	redbreast sunfish	11A	1158	1	55	70	6
Lepomis cyanellus	green sunfish	11A	1158	1	60	74	8
Lepomis cyanellus	green sunfish	11A	1158	1	49	64	4
Lepomis cyanellus	green sunfish	11A	1158	1	21	28	0.3
Lepomis cyanellus	green sunfish	11A	1158	1	86	115	24
Lepomis macrochirus	bluegill sunfish	11A	1158	1	63	85	8
Lepomis macrochirus	bluegill sunfish	11A	1158	1	40	54	2
Lepomis macrochirus	bluegill sunfish	11A	1158	1	65	85	10
Lepomis macrochirus	bluegill sunfish	11A	1158	1	60	77	6
Lepomis macrochirus	bluegill sunfish	11A	1158	1	28	32	1.1
Lepomis macrochirus	bluegill sunfish	11A	1158	1	64	85	8
Lepomis macrochirus	bluegill sunfish	11A	1158	1	42	55	2.5
Lepomis macrochirus	bluegill sunfish	11A	1158	1	49	63	4
Lepomis macrochirus	bluegill sunfish	11A	1158	1	35	48	1.6
Lepomis macrochirus	bluegill sunfish	11A	1158	1	36	49	NA
Lepomis macrochirus	bluegill sunfish	11A	1158	1	38	49	1.6
Lepomis macrochirus	bluegill sunfish	11A	1158	1	77	112	16
Lepomis macrochirus	bluegill sunfish	11A	1158	1	60	80	6
Lepomis macrochirus	bluegill sunfish	11A	1158	1	83	110	28
Lepomis macrochirus	bluegill sunfish	11A	1158	1	44	57	2.6
Lepomis macrochirus	bluegill sunfish	11A	1158	1	51	75	6
Lepomis macrochirus	bluegill sunfish	11A	1158	1	41	53	1.8
Lepomis macrochirus	bluegill sunfish	11A	1158	1	83	111	22
Lepomis macrochirus	bluegill sunfish	11A	1158	1	74	95	14
Lepomis macrochirus	bluegill sunfish	11A	1158	1	41	53	1
Lepomis macrochirus	bluegill sunfish	11A	1158	1	44	56	2.4
Lepomis macrochirus	bluegill sunfish	11A	1158	1	52	76	10
Lepomis macrochirus	bluegill sunfish	11A	1158	1	70	95	14
Lepomis sp.		11A	1158	1	20	26	0.2
Luxilus zonistius	bandfin shiner	11A	1158	1	55	67	3.8
Micropterus salmoides	largemouth bass	11A	1158	1	34	42	0.8
Micropterus salmoides	largemouth bass	11A	1158	1	32	40	0.2
Micropterus salmoides	largemouth bass	11A	1158	1	29	36	0.5
Notropis buccatus	silverjaw minnow	11A	1158	1	54	68	2.5
Notropis lutipinnis	yellowfin shiner	11A	1158	1	50	61	2.5
Notropis lutipinnis	yellowfin shiner	11A	1158	1	48	59	2.2
Notropis lutipinnis	yellowfin shiner	11A	1158	1	47	59	1.8
Notropis lutipinnis	yellowfin shiner	11A	1158	1	44	55	1.6
Notropis lutipinnis	yellowfin shiner	11A	1158	1	30	37	0.5
Percina nigrofasciata	blackbanded darter	11A	1158	1	66	75	3.5
Percina nigrofasciata	blackbanded darter	11A	1158	1	54	60	2.2
Percina nigrofasciata	blackbanded darter	11A	1158	1	53	64	2.2
Percina nigrofasciata	blackbanded darter	11A	1158	1	67	78	4
Percina nigrofasciata	blackbanded darter	11A	1158	1	53	62	1.9
Percina nigrofasciata	blackbanded darter	11A	1158	1	58	66	2.7
Percina nigrofasciata	blackbanded darter	11A	1158	1	56	65	2.6
Percina nigrofasciata	blackbanded darter	11A	1158	1	45	52	1.4
Campostoma pauciradii	bluefin stoneroller	11B	649	1	83	98	10
Campostoma pauciradii	bluefin stoneroller	11B	649	1	92	109	16
Campostoma pauciradii	bluefin stoneroller	11B	649	1	79	93	10
Campostoma pauciradii	bluefin stoneroller	11B	649	1	92	110	14
Campostoma pauciradii	bluefin stoneroller	11B	649	1	78	87	8
Catostomus commersoni	white sucker	11B	649	1	245	295	258
Catostomus commersoni	white sucker	11B	649	1	191	231	138
Fundulus stellifer	southern studfish	11B	649	1	64	80	4.5
Hypentelium etowanum	Alabama hog sucker	11B	649	1	175	200	86
Lepomis auritus	redbreast sunfish	11B	649	1	117	147	54
Lepomis auritus	redbreast sunfish	11B	649	1	101	130	38

02335870 SOPE CREEK NEAR MARIETTA, GA—continued.

Scientific Name	Common Name	Method	ShockSec	Count	SL	TL	Weight
Lepomis auritus	redbreast sunfish	11B	649	1	106	135	42
Lepomis auritus	redbreast sunfish	11B	649	1	70	86	10
Lepomis auritus	redbreast sunfish	11B	649	1	44	56	3
Lepomis auritus	redbreast sunfish	11B	649	1	76	99	18
Lepomis auritus	redbreast sunfish	11B	649	1	41	60	3.4
Lepomis macrochirus	bluegill sunfish	11B	649	1	102	132	38
Lepomis macrochirus	bluegill sunfish	11B	649	1	68	88	10
Lepomis macrochirus	bluegill sunfish	11B	649	1	49	62	3.2
Lepomis macrochirus	bluegill sunfish	11B	649	1	78	101	16
Lepomis macrochirus	bluegill sunfish	11B	649	1	96	123	28
Lepomis macrochirus	bluegill sunfish	11B	649	1	93	123	32
Lepomis macrochirus	bluegill sunfish	11B	649	1	101	132	38
Lepomis macrochirus	bluegill sunfish	11B	649	1	76	101	16
Lepomis macrochirus	bluegill sunfish	11B	649	1	44	57	2.8
Lepomis macrochirus	bluegill sunfish	11B	649	1	56	72	6
Lepomis macrochirus	bluegill sunfish	11B	649	1	56	71	6
Lepomis macrochirus	bluegill sunfish	11B	649	1	40	54	1.8
Lepomis macrochirus	bluegill sunfish	11B	649	1	81	105	18
Lepomis macrochirus	bluegill sunfish	11B	649	1	67	87	10
Lepomis macrochirus	bluegill sunfish	11B	649	1	63	82	8
Lepomis macrochirus	bluegill sunfish	11B	649	1	64	80	8
Notropis lutipinnis	yellowfin shiner	11B	649	1	51	61	2.2
Notropis lutipinnis	yellowfin shiner	11B	649	1	51	63	2.5
Percina nigrofasciata	blackbanded darter	11B	649	1	54	63	2.2

0233588710 ROTTENWOOD CREEK AT POLYTECH UNIVERSITY, NEAR MARIETTA, GA

LOCATION.—Lat33°56'04", long 84°31'22" referenced to North American Datum (NAD) of 1983, Cobb County, Hydrologic Unit 03130001, located 500 feet downstream from bridge to Polytech Campus, and 1.8 miles SE of Marietta.

DRAINAGE AREA.—Undetermined.

REMARKS.—Datum of gage is 990.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---November 2001 to October 2002 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)
OCT 23...	1000	1028	80020	1.6	40	745	7.9	84	6.8	120	17.2	25	30

Date	Fluoride, water, fltrd, mg/L (00950)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	2,4-D water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)
OCT 23...	.46	E.09	<.04	.98	<.008	<.02	.010	<.009	.03	<.02	<.006	E.004	E.01

Date	OIET, water, fltrd, ug/L (50355)	3-Hydroxy carbofuran, wat flt 0.7u GF ug/L (49308)	Acetochlor, water, fltrd, ug/L (49260)	Acifluorfen, water, fltrd 0.7u GF ug/L (49315)	Alachlor, water, fltrd, ug/L (46342)	Aldicarb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldicarb sulfoxide, wat flt 0.7u GF ug/L (49314)	Aldicarb, water, fltrd 0.7u GF ug/L (49312)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Bendiocarb, water, fltrd, ug/L (50299)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)
OCT 23...	<.008	<.006	E.005n	<.007	<.004	<.02	<.008	<.04	<.005	.015	<.050	<.03	<.010

Date	Benomyl water, fltrd, ug/L (50300)	Bensulfuron, water, fltrd, ug/L (61693)	Bentazon, water, fltrd 0.7u GF ug/L (38711)	Bromacil, water, fltrd, ug/L (04029)	Bromoxynil, water, fltrd 0.7u GF ug/L (49311)	Caffeine, water, fltrd, ug/L (50305)	Carbaryl, water, fltrd 0.7u GF ug/L (49310)	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chloramben methyl ester, water, fltrd, ug/L (61188)	Chlorimuron, water, fltrd, ug/L (50306)	Chloro-di-amino-s-triazine, wat flt ug/L (04039)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
OCT 23...	.004	<.02	<.01	E.08	<.02	E.1	<.03	<.006	<.020	<.02	<.010	E.01	<.006

0233588710 ROTTENWOOD CREEK AT POLYTECH UNIVERSITY, NEAR MARIETTA, GA—continued.

Date	Cyclo-ate, water, fltrd, ug/L (04031)	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Dicamba water fltrd 0.7u GF ug/L (38442)	Di-chlor-prop, water, fltrd 0.7u GF ug/L (49302)	Diel-drin, water, fltrd, ug/L (39381)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphen-amid, water, fltrd, ug/L (04033)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	Diuron, water, fltrd 0.7u GF ug/L (49300)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)
OCT 23...	<.01	<.01	<.003	E.004n	<.01	<.01	<.005	<.01	<.03	<.02	E.01	<.002	<.009

Date	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Flumet-sulam, water, fltrd, ug/L (61694)	Fluo-meturon water fltrd 0.7u GF ug/L (38811)	Fonofos water, fltrd, ug/L (04095)	Imaza-quin, water, fltrd, ug/L (50356)	Imaze-thapyr, water, fltrd, ug/L (50407)	Imida-cloprid water, fltrd, ug/L (61695)	Lindane water, fltrd, ug/L (39341)
OCT 23...	<.005	<.03	<.009	<.005	<.005	<.007	<.01	<.03	<.003	<.02	<.02	<.007	<.004

Date	Linuron water fltrd 0.7u GF ug/L (38478)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala-thion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Meta-laxyl, water, fltrd, ug/L (50359)	Methio-carb, water, fltrd 0.7u GF ug/L (38501)	Meth-omyl, water, fltrd 0.7u GF ug/L (49296)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Metsul-furon, water, fltrd, ug/L (61697)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)
OCT 23...	<.01	<.080	<.027	<.02	<.01	<.02	<.008	<.004	<.006	<.013	<.006	<.03	<.002

Date	N-(4-Chloro-phenyl) -N'-methyl-urea, ug/L (61692)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nico-sul-furon, water, fltrd, ug/L (50364)	Norflur-azon, water, fltrd 0.7u GF ug/L (49293)	Ory-zalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Pic-loram, water, fltrd 0.7u GF ug/L (49291)
OCT 23...	M	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011	<.02

Date	Prome-ton, water, fltrd, ug/L (04037)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Propham water fltrd 0.7u GF ug/L (49236)	Propi-cona-zole, water, fltrd, ug/L (50471)	Pro-poxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Sima-zine, water, fltrd, ug/L (04035)	Sulfo-met-ruron, water, fltrd, ug/L (50337)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)
OCT 23...	E.01n	<.004	<.010	<.011	<.02	<.010	<.02	<.008	<.02	.077	<.009	.16	<.034

Date	Terba-cil, water, fltrd, ug/L (04032)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-benuron water, fltrd, ug/L (61159)	Tri-clopyr, water, fltrd 0.7u GF ug/L (49235)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2 -Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2 -Tetra-chloro-ethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)
OCT 23...	<.010	<.02	<.005	<.002	--u	<.02	<.009	<.03	<.03	<.09	<.06	<.06	E.02

0233588710 ROTTENWOOD CREEK AT POLYTECH UNIVERSITY, NEAR MARIETTA, GA—continued.

Date	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)
OCT 23...	E.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1	E.02	<.5	<.04	<.03	<.1

Date	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	2-Ethyltoluene water unfltrd ug/L (77220)	3-Chloropropene water unfltrd ug/L (78109)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylonitrile water unfltrd ug/L (34215)
OCT 23...	<.03	<.04	<.03	<.1	<.05	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1

Date	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromoethene, water, unfltrd ug/L (50002)	Bromomethane water unfltrd ug/L (34413)	Carbon disulfide water unfltrd ug/L (77041)	Chlorobenzene water unfltrd ug/L (34301)	Chloroethane, water, unfltrd ug/L (34311)	Chloromethane water unfltrd ug/L (34418)	cis-1,2-Dichloroethene, water, unfltrd ug/L (77093)	cis-1,3-Dichloropropene water unfltrd ug/L (34704)	Dibromochloromethane water unfltrd ug/L (32105)
OCT 23...	<.04	<.04	<.12	E.06	<.1	<.3	<.07	<.03	<.1	<.2	1.01	<.09	<.2

Date	Dibromomethane water unfltrd ug/L (30217)	Dichlorodifluoromethane wat unf ug/L (34668)	Dichloromethane water unfltrd ug/L (34423)	Diethyl ether, water, unfltrd ug/L (81576)	Diisopropyl ether, water, unfltrd ug/L (81577)	Ethyl methacrylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethylbenzene water unfltrd ug/L (34371)	Hexachlorobutadiene, water, unfltrd ug/L (39702)	Hexachloroethane, water, unfltrd ug/L (34396)	Iodomethane water unfltrd ug/L (77424)	Isobutyl methyl ketone, water, unfltrd ug/L (78133)	Isopropylbenzene water unfltrd ug/L (77223)
OCT 23...	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06

Date	Methacrylonitrile water unfltrd ug/L (81593)	Methyl acrylate, water, unfltrd ug/L (49991)	Methyl methacrylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphthalene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butylbenzene water unfltrd ug/L (77342)	n-propylbenzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butylbenzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)
OCT 23...	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07	<.06	<.04	<.05

Date	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butylbenzene water unfltrd ug/L (77353)	Tetrachloroethene, water, unfltrd ug/L (34475)	Tetrachloromethane water unfltrd ug/L (32102)	Tetrahydrofuran, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Dichloroethene, water, unfltrd ug/L (34546)	trans-1,3-Dichloropropene water unfltrd ug/L (34699)	trans-1,4-Dichloro-2-butene, wat unf ug/L (73547)	Tribromomethane water unfltrd ug/L (32104)	Trichloroethene, water, unfltrd ug/L (39180)	Trichlorofluoromethane water unfltrd ug/L (34488)	Trichloromethane water unfltrd ug/L (32106)
OCT 23...	.4	<.10	.28	<.06	<2	E.02	E.02	<.09	<.7	<.10	5.39	<.09	.24

0233588710 ROTTENWOOD CREEK AT POLYTECH UNIVERSITY, NEAR MARIETTA, GA—continued.

Date	Vinyl chloride, water, unfltrd ug/L (39175)	Dichlorvos, water fltrd, ug/L (38775)	Sample purpose code (71999)	Sampler type, code (84164)
OCT				
23...	<.1	<1.00	10.00	3070

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
n -- Below the NDV

Null value qualifier codes used in this report:
u -- Unable to determine-matrix interference

APALACHICOLA RIVER BASIN
2003 Water Year

0233588810 ROTTENWOOD CREEK AT LIFE UNIVERSITY, AT MARIETTA, GA

LOCATION.—Lat.33°55'47", long 84°30'42", referenced to North American Datum (NAD) of 1983,Cobb County, Hydrologic Unit 03130001, located downstream of a bridge that goes to Life University's athletic fields, 2.2 miles SE of Marietta.

DRAINAGE AREA.—Undetermined.

REMARKS.—Datum of gage is 950.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—November 2001, to October 2002 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)
OCT 23...	1300	1028	80020	2.0	40	747	9.1	96	7.1	112	16.9	37	9

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)
OCT 23...	11.0	2.20	2.42	.4	5.01	22	27	33	7.10	.36	10.9	10.5	69

Date	Residue water, fltrd, tons/d (70302)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)
OCT 23...	.38	72	.10	E.02	.78	<.008	<.02	.014	.89	2	E.18	<2	33

Date	Beryllium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)
OCT 23...	<.06	.04	<.8	.35	1.5	68	.09	61.9	1.9	.78	<3	<.20	12

Date	2,4-D water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	OIET, water, fltrd, ug/L (50355)	3-Hydroxy carbofuran, wat flt 0.7u GF ug/L (49308)	Acetochlor, water, fltrd, ug/L (49260)	Acifluorfen, water, fltrd 0.7u GF ug/L (49315)	Alachlor, water, fltrd, ug/L (46342)	Aldicarb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldicarb sulfoxide, wat flt 0.7u GF ug/L (49314)
OCT 23...	<.009	.02	<.02	<.006	E.006	E.01	<.008	<.006	<.006	<.007	<.004	<.02	<.008

0233588810 ROTTENWOOD CREEK AT LIFE UNIVERSITY, AT MARIETTA, GA—continued.

Date	Aldicarb, water, fltrd 0.7u GF ug/L (49312)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Bendiocarb, water, fltrd, ug/L (50299)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Benomyl water, fltrd, ug/L (50300)	Bensulfuron, water, fltrd, ug/L (61693)	Bentazon, water, fltrd 0.7u GF ug/L (38711)	Bromacil, water, fltrd, ug/L (04029)	Bromoxynil, water, fltrd 0.7u GF ug/L (49311)	Caffeine, water, fltrd, ug/L (50305)	Carbaryl, water, fltrd 0.7u GF ug/L (49310)
OCT 23...	<.04	<.005	.020	<.050	<.03	<.010	.004	<.02	<.01	E.13	<.02	E.1	<.03

Date	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorambenmethyl ester, water, fltrd, ug/L (61188)	Chlorimuron, water, fltrd, ug/L (50306)	Chloro-di-amino-s-triazine, wat flt ug/L (04039)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cycloate, water, fltrd, ug/L (04031)	Dacthal monoacid, water, fltrd 0.7u GF ug/L (49304)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dicamba water fltrd 0.7u GF ug/L (38442)	Dichlorprop, water, fltrd 0.7u GF ug/L (49302)	Dieldrin, water, fltrd, ug/L (39381)
OCT 23...	<.006	<.020	<.02	<.010	<.01	<.006	<.01	<.01	<.003	.008	<.01	<.01	<.005

Date	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphenamid, water, fltrd, ug/L (04033)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	Diuron, water, fltrd 0.7u GF ug/L (49300)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Flumetsulam, water, fltrd, ug/L (61694)
OCT 23...	<.01	<.03	<.02	.02	<.002	<.009	<.005	<.03	<.009	<.005	<.005	<.007	<.01

Date	Fluometuron water fltrd 0.7u GF ug/L (38811)	Fonofos water, fltrd, ug/L (04095)	Imazaquin, water, fltrd, ug/L (50356)	Imazethapyr, water, fltrd, ug/L (50407)	Imidacloprid water, fltrd, ug/L (61695)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (38478)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Metalaxyl, water, fltrd, ug/L (50359)	Methiocarb, water, fltrd 0.7u GF ug/L (38501)
OCT 23...	<.03	<.003	<.02	<.02	<.007	<.004	<.01	<.035	<.027	<.02	<.01	<.02	<.008

Date	Methomyl, water, fltrd 0.7u GF ug/L (49296)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Metsulfuron, water, fltrd, ug/L (61697)	Molinate, water, fltrd 0.7u GF ug/L (82671)	N-(4-Chlorophenyl) -N'-methylurea, ug/L (61692)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nicosulfuron, water, fltrd, ug/L (50364)	Norflurazon, water, fltrd 0.7u GF ug/L (49293)	Oryzalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)
OCT 23...	<.004	<.006	<.013	<.006	<.03	<.002	<.02	<.007	<.01	<.01	<.02	<.02	<.01

Date	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Propham water fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)
OCT 23...	<.003	<.010	<.004	<.022	<.011	<.02	E.01n	<.004	<.010	<.011	<.02	<.010	<.02

0233588810 ROTTENWOOD CREEK AT LIFE UNIVERSITY, AT MARIETTA, GA—continued.

Date	Tri- Pro- poxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Sima- zine, water, fltrd, ug/L (04035)	Sulfo- met- ruron, water, fltrd, ug/L (50337)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terba- cil, water, fltrd, ug/L (04032)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- benuron water, fltrd, ug/L (61159)	Tri- clopyr, water, fltrd 0.7u GF ug/L (49235)	flur- alin, water, fltrd 0.7u GF ug/L (82661)
OCT 23...	<.008	<.02	.088	<.009	.13	<.034	<.010	<.02	<.005	<.002	--u	<.02	<.009

Date	1,1,1,2 -Tetra- chloro- ethane, water, unfltrd ug/L (77562)	1,1,1- Tri- chloro- ethane, water, unfltrd ug/L (34506)	1,1,2,2 -Tetra- chloro- ethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2- Tri- chloro- ethane, water, unfltrd ug/L (34511)	1,1-Di- chloro- ethane, water unfltrd ug/L (34496)	1,1-Di- chloro- ethene, water, unfltrd ug/L (34501)	1,1-Di- chloro- propene water unfltrd ug/L (77168)	1,2,3,4 Tetra- methyl- benzene water unfltrd ug/L (49999)	1,2,3,5 Tetra- methyl- benzene water unfltrd ug/L (50000)	1,2,3- Tri- chloro- benzene water unfltrd ug/L (77613)	1,2,3- Tri- chloro- propane water unfltrd ug/L (77443)	1,2,3- Tri- methyl- benzene water unfltrd ug/L (77221)
OCT 23...	<.03	E.06	<.09	<.06	<.06	<.04	E.02	<.05	<.2	<.2	<.3	<.16	<.1

Date	1,2,4- Tri- chloro- benzene water unfltrd ug/L (34551)	1,2,4- Tri- methyl- benzene water unfltrd ug/L (77222)	Dibromo chloro- propane water unfltrd ug/L (82625)	1,2-Di- bromo- ethane, water, unfltrd ug/L (77651)	1,2-Di- chloro- benzene water unfltrd ug/L (34536)	1,2-Di- chloro- ethane, water, unfltrd ug/L (32103)	1,2-Di- chloro- propane water unfltrd ug/L (34541)	1,3,5- Tri- methyl- benzene water unfltrd ug/L (77226)	1,3-Di- chloro- benzene water unfltrd ug/L (34566)	1,3-Di- chloro- propane water unfltrd ug/L (77173)	1,4-Di- chloro- benzene water unfltrd ug/L (34571)	2,2-Di- chloro- propane water unfltrd ug/L (77170)	2- Chloro- toluene water unfltrd ug/L (77275)
OCT 23...	<.1	E.02	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.04

Date	2- Ethyl- toluene water unfltrd ug/L (77220)	3- Chloro- propene water unfltrd ug/L (78109)	4- Chloro- toluene water unfltrd ug/L (77277)	4-Iso- propyl- toluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylo- nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo- benzene water unfltrd ug/L (81555)	Bromo- chloro- methane water unfltrd ug/L (77297)	Bromo- di- chloro- methane water unfltrd ug/L (32101)	Bromo- ethene, water, unfltrd ug/L (50002)	Bromo- methane water unfltrd ug/L (34413)	Carbon di- sulfide water unfltrd ug/L (77041)
OCT 23...	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07

Date	Chloro- benzene water unfltrd ug/L (34301)	Chloro- ethane, water, unfltrd ug/L (34311)	Chloro- methane water unfltrd ug/L (34418)	cis- 1,2-Di- chloro- ethene, water, unfltrd ug/L (77093)	cis- 1,3-Di- chloro- propene water unfltrd ug/L (34704)	Di- bromo- chloro- methane water unfltrd ug/L (32105)	Di- bromo- methane water unfltrd ug/L (30217)	Di- chloro- di- fluoro- methane wat unf ug/L (34668)	Di- chloro- methane water unfltrd ug/L (34423)	Di- ethyl ether, water, unfltrd ug/L (81576)	Diiso- propyl ether, water, unfltrd ug/L (81577)	Ethyl methac- rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)
OCT 23...	<.03	<.1	<.2	E.07	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0

Date	Ethyl- benzene water unfltrd ug/L (34371)	Hexa- chloro- buta- diene, water, unfltrd ug/L (39702)	Hexa- chloro- ethane, water, unfltrd ug/L (34396)	Iodo- methane water unfltrd ug/L (77424)	Iso- butyl methyl ketone, water, unfltrd ug/L (78133)	Iso- propyl- benzene water unfltrd ug/L (77223)	Meth- acrylo- nitrile water unfltrd ug/L (81593)	Methyl acryl- ate, water, unfltrd ug/L (49991)	Methyl methac- rylate, water, unfltrd ug/L (81597)	Methyl tert- pentyl ether, water, unfltrd ug/L (50005)	meta- + para- Xylene, water, unfltrd ug/L (85795)	Naphth- alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)
OCT 23...	E.02	<.1	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7

0233588810 ROTTENWOOD CREEK AT LIFE UNIVERSITY, AT MARIETTA, GA—continued.

Date	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)
OCT													
23...	<.2	<.04	<.07	<.06	E.01	<.05	E.1	<.10	E.02	<.06	<2	E.03	<.03

Date	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Di-chlor-vos, water fltrd, ug/L (38775)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)
OCT											
23...	<.09	<.7	<.10	.37	<.09	E.05	<.1	<1.00	E.02	10.00	3070

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
n -- Below the NDV

Null value qualifier codes used in this report:
u -- Unable to determine-matrix interference

APALACHICOLA RIVER BASIN
2003 Water Year

02335910 ROTTENWOOD CREEK AT INTERSTATE PARKWAY, NEAR SMYRNA, GA

LOCATION.—Lat 33°53'37", long 84°27'28", referenced to North American Datum (NAD) of 1927, Cobb County, Hydrologic Unit 03130001, and 1.1 mi upstream from mouth.

DRAINAGE AREA.—18.6 square miles.

REMARKS.—Datum of gage is 820 ft above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—June 1993, August 1993, March 1994, May 1994, July 1995, June 1999 to April 2000, February 2002 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
MAR													
14...	1000	9	80020	2.55	19	10	4.4	740	10.5	105	7.1	129	15.4
SEP													
17...	0915	9	80020	2.42	10	10	4.7	742	8.5	92	7.1	126	19.2

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)
MAR													
14...	5.37	9.7	.69	.54	.42	2.64	.60	.62	.079	.024	.27	E.02	.03
SEP													
17...	5.70	8.6	.14	--	<.04	--	--	.55	--	<.008	--	<.02	<.02

Date	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)-amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)
MAR													
14...	.055	1.3	.2	<.1	.2	2.2	250	<.09	<.006	<.1	<.005	E.006	<.004
SEP													
17...	.013	.69	<.1	<.1	<.1	2.0	200	<.09	<.006	<.1	<.005	<.006	<.004

Date	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl oxon, water, fltrd, ug/L (61635)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)
MAR													
14...	.015	<.006	<.006	<.004	.057	<.02	<.050	<.010	<.041	<.06	E.003	<.006	<.008
SEP													
17...	<.004	<.006	<.006	<.004	.007	--u	<.050	<.010	<.041	<.06	<.005	<.006	<.008

02335910 ROTTENWOOD CREEK AT INTERSTATE PARKWAY, NEAR SMYRNA, GA—continued.

Date	Cyper-methrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diaz-inon oxon, water, fltrd, ug/L (61638)	Diazi-non, water, fltrd, ug/L (39572)	Dicro-tophos, water fltrd, ug/L (38454)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)
MAR													
14...	<.009	<.003	E.002	<.04	<.005	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03
SEP													
17...	<.009	<.003	<.004	<.01	<.005	<.08	<.005	<.006	<.03	<.004	<.031	--u	<.03

Date	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexa-zinone, water, fltrd, ug/L (04025)	Ipro-dione, water, fltrd, ug/L (61593)	Isofen-phos, water, fltrd, ug/L (61594)	Mala-oxon, water, fltrd, ug/L (61652)	Mala-thion, water, fltrd, ug/L (39532)	Meta-laxyl, water, fltrd, ug/L (61596)	Methi-althion water, fltrd, ug/L (61598)
MAR													
14...	<.009	<.005	<.005	E.008	<.002	<.003	--	<1	<.003	<.008	<.027	<.005	<.006
SEP													
17...	<.009	<.005	<.005	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006

Date	Methyl para-oxon, water, fltrd, ug/L (61664)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Myclo-butanil water, fltrd, ug/L (61599)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prome-ton, water, fltrd, ug/L (04037)	Prome-tryn, water, fltrd, ug/L (04036)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)
MAR													
14...	<.03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004
SEP													
17...	<.03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01n	<.005	<.004

Date	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Ter-bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Ter-buthyl-azine, water, fltrd, ug/L (04022)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Di-chlor-vos, water fltrd, ug/L (38775)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
MAR											
14...	.077	<.08	<.07	<.02	<.01	<.009	<.01	88	4	15.00	3045
SEP											
17...	.012	.12	<.07	<.02	<.01	<.009	<.01	--	--	15.00	3045

02335910 ROTTENWOOD CREEK AT INTERSTATE PARKWAY, NEAR SMYRNA, GA—continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
APR								
28...	1530	D	1.8	54	56.30	.5	.8	280
28...	1535	D	.2	11	11.10	<.2	<.2	280

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
n -- Below the NDV

Null value qualifier codes used in this report:
u -- Unable to determine-matrix interference

APALACHICOLA RIVER BASIN
2003 Water Year

02335990 CHATTAHOOCHEE RIVER AT US 41, AT ATLANTA, GA

LOCATION.—Lat 33°52'05", Long 84°27'14" referenced to North American Datum (NAD) of 1983, Fulton-Cobb County line, Hydrologic Unit 03130001, on downstream side of US 41 bridge, 0.8 miles upstream of Chattahoochee River at Atlanta station 02336000, 0.2 miles downstream of Rottenwood Creek, 3.3 miles upstream from Peachtree Creek, and at mile 303.8.

DRAINAGE AREA.—1,440 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER–STAGE RECORDS

PERIOD OF RECORD.—June 1967 (revised) to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage 750.10 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good. Station is auxiliary gage for streamflow station 02336000 Chattahoochee River at Atlanta. Flow regulated by Lake Sidney Lanier since January 1956. Considerable diurnal fluctuation is caused by the operation of the Morgan Falls hydroelectric plant that is 8.7 miles above station.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 17.16 feet, June 17; minimum gage-height recorded, 4.07 feet, September 8.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 13, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335990 CHATTAHOOCHEE RIVER AT US 41, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335205 LONGITUDE 0842714 NAD27 DRAINAGE AREA 1440.00* CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.59	4.70	4.66	4.84	4.95	8.04	5.77	7.87	4.58	9.13	6.88	4.45
2	4.54	4.86	4.62	4.78	4.79	8.08	5.59	7.96	4.74	10.85	5.94	4.38
3	4.54	4.82	4.58	4.82	4.80	8.00	5.12	6.64	6.65	8.79	5.36	6.13
4	4.55	5.02	4.61	4.75	4.95	7.98	5.15	4.88	6.02	9.47	6.40	5.78
5	4.61	6.26	6.69	4.75	4.83	8.10	5.16	6.24	5.77	9.71	6.09	5.86
6	4.62	8.08	5.93	4.75	5.34	14.72	5.19	15.09	5.90	8.93	6.51	5.17
7	4.90	6.08	5.38	4.73	6.03	8.75	5.38	10.83	6.54	9.33	6.65	4.32
8	4.86	4.87	4.80	4.74	5.44	6.96	5.00	7.55	6.96	8.38	5.79	4.49
9	4.69	4.72	4.71	4.76	5.17	7.96	4.44	9.95	5.76	8.56	5.36	5.66
10	4.96	4.71	5.29	4.83	5.56	7.99	5.18	9.85	5.89	9.05	5.02	5.50
11	4.84	6.29	7.55	4.76	5.44	8.02	4.57	9.73	5.87	7.17	5.21	4.73
12	4.68	6.24	6.25	4.74	5.30	7.98	4.64	8.28	6.78	5.50	6.57	5.31
13	4.67	5.00	6.00	4.73	5.26	7.97	5.60	9.17	7.12	5.44	6.91	4.89
14	4.68	4.72	5.53	4.74	4.46	7.94	5.03	9.35	8.19	6.95	6.94	4.39
15	6.04	4.79	4.86	4.75	5.10	7.41	5.46	8.66	7.75	8.32	6.72	4.63
16	8.29	7.81	4.84	4.74	5.82	5.59	5.64	9.36	7.03	8.86	6.31	5.01
17	5.66	7.17	4.76	4.73	6.44	7.07	5.73	8.06	14.50	9.06	5.23	5.28
18	5.53	5.55	4.74	4.71	5.89	8.24	5.79	10.65	10.66	8.93	5.32	5.02
19	4.74	4.90	4.78	4.70	5.00	7.28	5.62	7.78	8.17	7.32	6.33	4.95
20	4.77	4.82	5.70	4.71	5.06	6.11	4.30	8.24	5.97	5.49	6.86	4.76
21	4.78	5.65	5.16	5.12	5.05	7.60	4.89	7.20	7.48	5.87	6.90	4.29
22	4.72	5.35	4.73	4.56	7.40	8.09	6.23	7.33	7.97	5.82	6.56	5.37
23	4.72	4.81	4.73	4.43	7.09	7.32	5.74	9.15	7.98	6.33	5.83	7.42
24	4.71	4.71	10.54	4.95	7.53	5.61	5.90	8.16	9.89	5.37	4.43	5.67
25	4.70	4.70	8.45	4.96	6.56	5.82	8.38	8.12	9.45	6.39	4.78	5.44
26	4.66	4.72	6.39	4.83	7.34	6.03	7.62	8.57	9.29	6.34	6.11	5.03
27	4.65	4.69	4.97	5.08	6.85	5.24	5.69	8.14	9.20	5.56	6.15	5.27
28	5.03	4.70	4.75	4.99	6.95	5.57	7.00	6.07	5.98	5.58	6.07	4.71
29	7.18	4.64	4.73	5.03	---	5.15	7.84	5.38	4.79	6.01	6.52	4.88
30	5.76	4.64	5.12	6.44	---	4.66	6.94	5.62	5.03	6.38	5.41	5.04
31	4.74	---	4.75	5.38	---	4.83	---	5.20	---	6.72	4.69	---
MEAN	5.05	5.33	5.50	4.87	5.73	7.29	5.69	8.23	7.26	7.47	6.00	5.13
MAX	8.29	8.08	10.54	6.44	7.53	14.72	8.38	15.09	14.50	10.85	6.94	7.42
MIN	4.54	4.64	4.58	4.43	4.46	4.66	4.30	4.88	4.58	5.37	4.43	4.29

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02335990 CHATTAHOOCHEE RIVER AT US 41, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335205 LONGITUDE 0842714 NAD27 DRAINAGE AREA 1440.00* CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

APPROVED

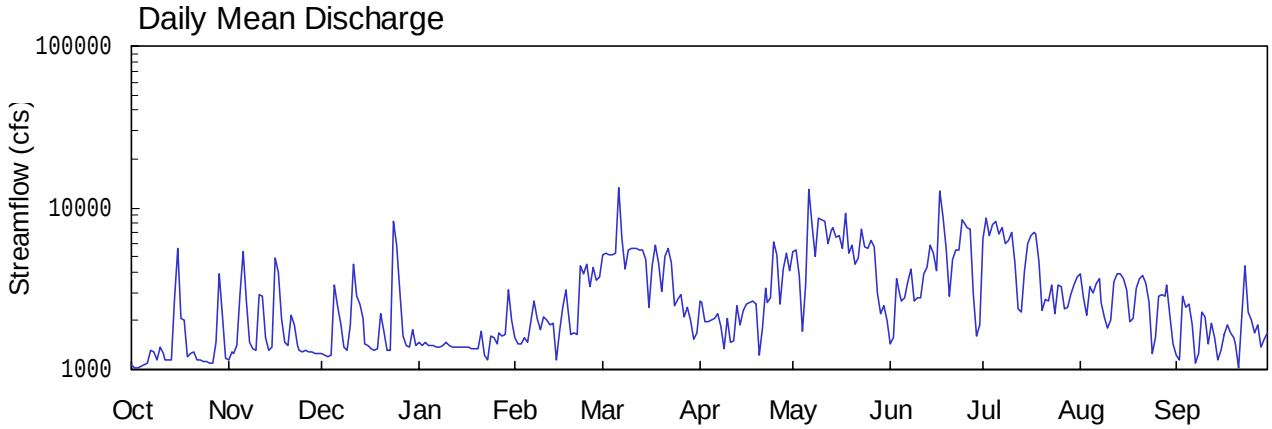
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

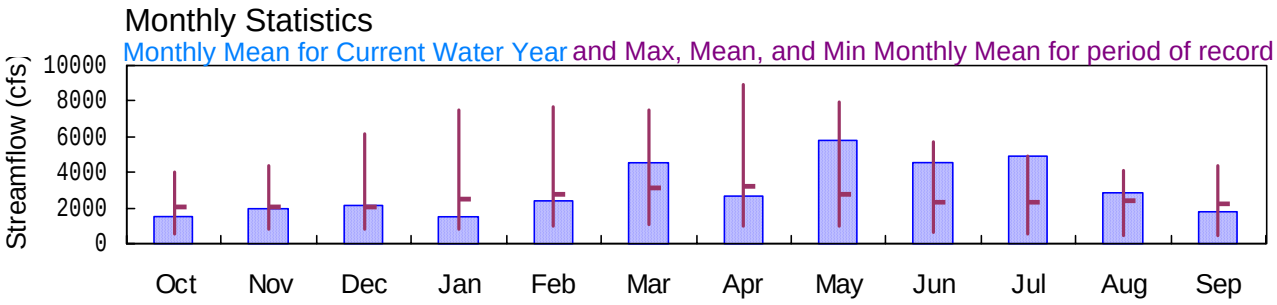
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.10	0.00	0.01	0.00	0.00	0.00	2.46	0.00	0.00
2	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.18	0.00	0.01	0.00	0.00
3	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.01	1.51	0.00	1.04	0.00
4	0.13	0.13	0.18	0.00	0.23	0.03	0.01	0.00	0.04	0.41	0.01	0.00
5	0.00	2.00	0.77	0.00	0.00	0.87	0.33	2.40	0.00	0.01	0.01	0.00
6	0.00	0.01	0.00	0.00	0.63	0.95	0.34	1.45	0.50	0.17	0.06	0.00
7	0.62	0.00	0.00	0.00	0.02	0.00	0.22	0.50	0.81	0.00	0.15	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.01	0.04	0.00	0.00
9	0.00	0.00	0.00	0.13	0.15	0.00	0.12	0.00	0.00	0.00	0.04	0.00
10	0.02	0.00	1.14	0.03	0.26	0.00	0.10	0.00	0.00	1.31	0.00	0.00
11	0.00	1.24	0.00	0.00	0.00	0.00	0.00	0.09	0.15	0.00	0.00	0.00
12	0.03	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.00	0.11	0.00
13	0.02	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.42	0.52	0.23	0.00
14	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.01	0.00	0.23	0.00	0.60
15	2.63	0.49	0.00	0.00	0.00	0.42	0.00	1.12	0.01	0.04	0.00	0.00
16	0.01	0.94	0.00	0.12	0.85	0.00	0.00	0.80	1.21	0.12	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.46	0.30	0.19	1.28	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.83	0.95	0.00	0.00	0.00
19	0.00	0.03	0.58	0.00	0.00	0.26	0.00	0.01	0.39	0.03	0.00	0.00
20	0.44	0.41	0.02	0.00	0.00	0.12	0.00	0.00	0.00	0.01	0.00	0.00
21	0.00	0.24	0.00	0.07	0.10	0.00	0.08	0.31	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.06	0.92	0.00	0.00	1.34	0.00	0.30	0.00	1.14
23	0.00	0.00	0.10	0.00	0.01	0.00	0.00	0.00	0.00	0.82	0.00	0.01
24	0.00	0.00	1.79	0.00	0.00	0.00	0.23	0.00	0.00	0.01	0.01	0.00
25	0.07	0.00	0.00	0.00	0.00	0.00	1.74	0.14	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.06	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.03	0.00	0.22
28	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.54	0.00
29	0.10	0.00	0.00	0.68	---	0.08	0.00	0.00	0.00	0.00	0.20	0.00
30	0.00	0.00	0.00	0.49	---	0.25	0.09	0.00	0.55	0.45	0.00	0.00
31	0.00	---	0.14	0.00	---	0.00	---	0.00	---	0.65	0.01	---
TOTAL	5.17	5.98	5.27	1.85	3.68	3.46	3.64	10.44	8.95	7.62	2.41	1.97

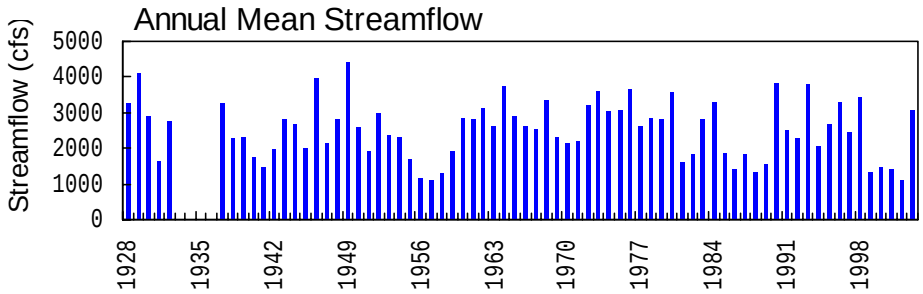
2003 Water Year

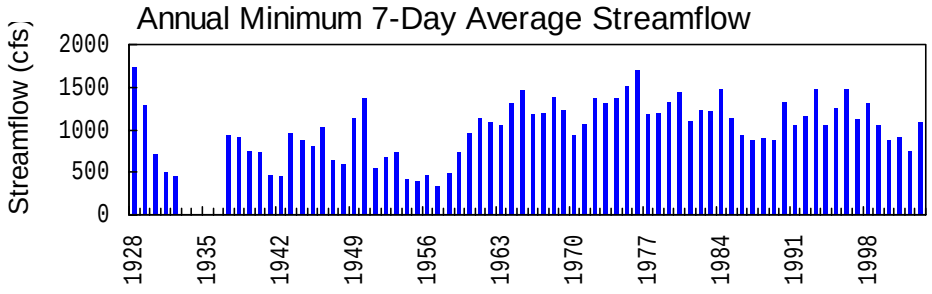
02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA

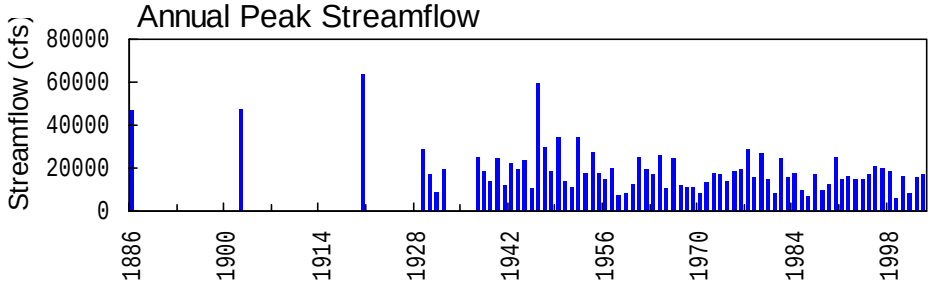
Latitude: 33°51'33" Longitude: 084°27'16" Hydrologic Unit Code: 03130001 Fulton County
Drainage Area: 1450. mi^2 Datum: 750.1 feet

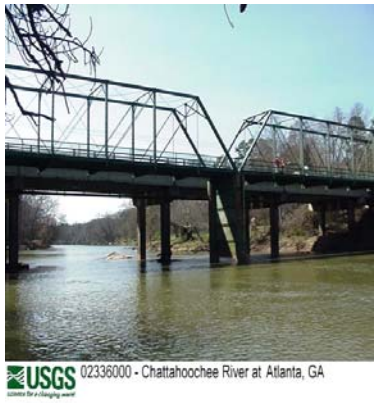












APALACHICOLA RIVER BASIN
2003 Water Year

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA

LOCATION.—Lat 33°51'33", long 84°27'16" referenced to North American Datum (NAD) of 1983, Fulton-Cobb County line, Hydrologic Unit 03130001, on left bank 20.0 feet upstream from Paces Ferry Bridge, 1.0 mile downstream from Rottenwood Creek, 2.5 miles upstream from Peachtree Creek, and at mile 303.0.

DRAINAGE AREA.—1,450 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District; Georgia Environmental Protection Division, Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 1928 to December 1931, October 1936 to current year. Prior to October 1951, published as "near Vinings".

REVISED RECORDS.--WSP 972: 1932.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 750.10 feet above National Geodetic Vertical Datum (NGVD) of 1929. From August 3, 1928, to December 31, 1931, gage was a water-stage recorder, and November 15, 1936 to March 8, 1937, a non-recording gage was located at the same site and datum. Since June 1967, auxiliary water-stage recorder located at bridge on US 41, 0.8 miles upstream.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Flow regulated by Lake Sidney Lanier since January 1956. Considerable diurnal fluctuation caused by operation of Morgan Falls hydroelectric plant 9.5 miles above station. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1896, 29.0 feet in December 1919, from flood marks at site 2.6 miles downstream and stage relation between the two sites.

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 1928 to December 1931, October 1936 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 750.10 feet above National Geodetic Vertical Datum (NGVD) of 1929. From August 3, 1928, to December 31, 1931, gage was a water-stage recorder, and November 15, 1936 to March 8, 1937, a non-recording gage was located at the same site and datum. Since June 1967, auxiliary water-stage recorder located at bridge on US 41, 0.8 miles upstream.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 16.31 feet, May 6, June 17; minimum gage-height recorded, 2.73 feet, September 8.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00* CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1070	1140	1270	1480	1560	5150	2630	5330	1440	6490	3920	1230
2	1030	1270	1240	1420	1420	5210	2590	5450	1590	8710	2800	1160
3	1030	1250	1210	1460	1430	5110	1980	3780	3680	6710	2190	2860
4	1040	1410	1230	1390	1570	5080	2000	1730	2890	7820	3290	2450
5	1080	2930	3360	1400	1460	5260	2010	3300	2630	8250	2960	2540
6	1090	5370	2470	1400	1950	13300	2050	13000	2790	6940	3410	1870
7	1310	2660	1920	1380	2670	6490	2210	7840	3520	7590	3620	1100
8	1270	1460	1370	1380	2050	4180	1850	4990	4160	6020	2590	1240
9	1150	1330	1300	1390	1780	5540	1340	8670	2630	6280	2140	2280
10	1370	1320	1890	1460	2140	5580	2050	8490	2760	7040	1800	2130
11	1260	2930	4490	1390	2020	5620	1480	8310	2770	4580	2030	1430
12	1130	2820	2830	1380	1880	5550	1500	5960	3900	2350	3450	1930
13	1130	1580	2530	1370	1930	5520	2460	7270	4290	2280	3890	1570
14	1140	1330	2050	1380	1150	5480	1880	7600	5930	4040	3930	1140
15	2760	1380	1430	1390	1710	4780	2310	6560	5190	5940	3620	1310
16	5660	4900	1400	1380	2420	2450	2510	6710	4120	6760	3140	1660
17	2060	4000	1330	1380	3080	4350	2620	5570	12700	7080	1980	1900
18	2000	2070	1310	1360	2470	5910	2670	9200	8920	6910	2090	1670
19	e1200	1470	1350	1350	1640	4580	2510	5230	5640	4650	3150	1580
20	e1250	1400	2210	1350	1680	3030	1220	5850	2860	2340	e3630	1430
21	e1270	2170	1720	1740	1650	4980	1790	4420	4800	2730	e3800	1020
22	e1140	1880	1310	1240	4390	5640	3180	4870	5480	2670	3430	2110
23	e1140	1390	1310	1140	3890	4610	2600	7340	5450	3300	2610	4400
24	1130	1300	8170	1600	4460	2490	2800	5740	8520	2200	1250	2280
25	1130	1290	5900	1580	3230	2700	6190	5660	7810	3340	1580	2040
26	1110	1310	3060	1450	4230	2930	5130	6340	7530	3280	2850	1680
27	1100	1290	1620	1690	3580	2100	2550	5720	7420	2390	2910	1890
28	1450	1290	1400	1590	3730	2420	4200	2980	2940	2410	2810	1380
29	3860	1250	1380	1630	---	2000	5280	2210	1620	2890	3320	1530
30	2180	1240	1750	3080	---	1520	4130	2490	1870	3310	2140	1680
31	1180	---	1390	2000	---	1700	---	2030	---	3740	1430	---
TOTAL	47720	58430	67200	46630	67170	141260	79720	180640	137850	151040	87760	54490
MEAN	1539	1948	2168	1504	2399	4557	2657	5827	4595	4872	2831	1816
MAX	5660	5370	8170	3080	4460	13300	6190	13000	12700	8710	3930	4400
MIN	1030	1140	1210	1140	1150	1520	1220	1730	1440	2200	1250	1020
CFSM	1.06	1.34	1.49	1.04	1.65	3.14	1.83	4.02	3.17	3.36	1.95	1.25
IN.	1.22	1.50	1.72	1.20	1.72	3.62	2.05	4.63	3.54	3.87	2.25	1.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2003, BY WATER YEAR (WY)

MEAN	2084	2069	2017	2513	2791	3126	3237	2758	2325	2277	2446	2268
MAX	4016	4393	6151	7506	7684	7482	8959	7955	5733	4872	4082	4418
(WY)	1992	1975	1993	1993	1990	1990	1964	1964	1973	2003	1984	1967
MIN	525	760	820	794	985	1084	941	955	640	567	426	480
(WY)	1958	1957	1957	1958	1957	1959	1959	1958	1957	1957	1957	1957

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1956 - 2003	
ANNUAL TOTAL	493463		1119910			
ANNUAL MEAN	1352		3068		2490	
HIGHEST ANNUAL MEAN					3834	1990
LOWEST ANNUAL MEAN					1119	2002
HIGHEST DAILY MEAN	8170	Dec 24	13300	Mar 6	20500	Mar 17 1990
LOWEST DAILY MEAN	713	Apr 20	1020	Sep 21	296	Sep 2 1957
ANNUAL SEVEN-DAY MINIMUM	755	Apr 16	1090	Oct 1	340	Sep 1 1957
MAXIMUM PEAK FLOW			17100	Jun 17	28900	Mar 30 1977
MAXIMUM PEAK STAGE			16.31	May 6, Jun 17	23.03	Mar 17 1990
ANNUAL RUNOFF (CFSM)	0.93		2.12		1.72	
ANNUAL RUNOFF (INCHES)	12.66		28.73		23.34	
10 PERCENT EXCEEDS	2270		5950		4920	
50 PERCENT EXCEEDS	1010		2280		1830	
90 PERCENT EXCEEDS	814		1250		1040	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00* CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.29	3.37	3.32	3.48	3.57	6.29	4.29	6.15	3.19	7.74	5.29	3.11
2	3.23	3.52	3.29	3.42	3.42	6.33	4.12	6.23	3.31	9.58	4.46	3.03
3	3.23	3.50	3.25	3.46	3.43	6.27	3.69	5.09	5.06	7.02	3.92	4.64
4	3.24	3.67	3.28	3.39	3.57	6.25	3.71	3.49	4.51	7.69	4.85	4.33
5	3.30	4.76	5.10	3.39	3.46	6.36	3.73	4.71	4.28	7.95	4.59	4.41
6	3.30	6.42	4.46	3.39	3.90	13.63	3.76	14.16	4.40	7.16	4.96	3.79
7	3.55	4.62	3.97	3.37	4.54	7.26	3.94	9.73	4.97	7.55	5.10	2.99
8	3.52	3.54	3.44	3.38	4.02	5.40	3.61	5.94	5.37	6.59	4.32	3.12
9	3.38	3.40	3.36	3.39	3.77	6.29	3.07	8.20	4.28	6.76	3.94	4.21
10	3.61	3.39	3.85	3.46	4.12	6.32	3.74	8.08	4.39	7.31	3.62	4.08
11	3.51	4.77	5.88	3.39	4.01	6.34	3.19	7.98	4.37	5.64	3.77	3.37
12	3.36	4.75	4.74	3.37	3.88	6.30	3.25	6.55	5.19	4.03	5.02	3.90
13	3.36	3.66	4.52	3.36	3.85	6.28	4.14	7.36	5.49	3.97	5.32	3.53
14	3.36	3.39	4.11	3.37	3.09	6.25	3.63	7.56	6.52	5.31	5.35	3.06
15	4.60	3.45	3.50	3.38	3.70	5.79	4.01	6.92	6.06	6.54	5.15	3.25
16	6.62	6.10	3.47	3.37	4.34	4.14	4.18	8.08	5.38	7.05	4.80	3.63
17	4.25	5.55	3.40	3.37	4.90	5.46	4.26	6.31	13.41	7.25	3.83	3.88
18	4.16	4.13	3.38	3.34	4.42	6.52	4.32	9.20	9.32	7.14	3.88	3.65
19	---	3.55	3.42	3.34	3.61	5.65	4.18	6.14	6.72	5.68	4.82	3.57
20	---	3.47	4.25	3.34	3.67	4.60	2.93	6.48	4.48	4.03	---	3.39
21	---	4.22	3.78	3.71	3.66	5.92	3.47	5.55	5.81	4.35	---	2.94
22	---	3.95	3.37	3.20	5.76	6.36	4.71	5.79	6.25	4.33	5.03	3.93
23	---	3.46	3.38	3.09	5.46	5.68	4.27	7.41	6.23	4.80	4.38	5.79
24	3.36	3.36	9.32	3.55	5.83	4.14	4.42	6.42	8.11	3.94	3.12	4.23
25	3.36	3.36	6.87	3.58	5.00	4.33	6.73	6.36	7.68	4.82	3.38	4.02
26	3.33	3.37	4.88	3.45	5.69	4.52	6.00	6.80	7.51	4.80	4.62	3.65
27	3.31	3.35	3.61	3.69	5.25	3.81	4.23	6.40	7.44	4.11	4.67	3.87
28	3.64	3.35	3.40	3.60	5.35	4.11	5.39	4.55	4.46	4.12	4.59	3.37
29	5.51	3.31	3.37	3.63	---	3.74	6.12	3.92	3.36	4.51	4.99	3.51
30	4.32	3.29	3.72	4.90	---	3.27	5.33	4.13	3.56	4.85	4.01	3.67
31	3.41	---	3.39	3.97	---	3.42	---	3.77	---	5.15	3.33	---
MEAN	---	3.93	4.10	3.49	4.26	5.71	4.21	6.63	5.70	5.86	---	3.73
MAX	---	6.42	9.32	4.90	5.83	13.63	6.73	14.16	13.41	9.58	---	5.79
MIN	---	3.29	3.25	3.09	3.09	3.27	2.93	3.49	3.19	3.94	---	2.94

APALACHICOLA RIVER BASIN
2003 Water Year

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA

LOCATION.—Lat 33°51'33", long 84°27'16" referenced to North American Datum (NAD) of 1983, Fulton-Cobb County line, Hydrologic Unit 03130001, on left bank 20.0 feet upstream from Paces Ferry Bridge, 1.0 mile downstream from Rottenwood Creek, 2.5 miles upstream from Peachtree Creek, and at mile 303.0.

DRAINAGE AREA.—1,450 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District; Georgia Environmental Protection Division, Georgia Power Corporation.

PERIOD OF RECORD.—May 6, 2002 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: May 6, 2002 to current year.
WATER TEMPERATURE: May 6, 2002 to current year.
TURBIDITY: May 6, 2002 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good, except for specific conductance and turbidity records, which are fair.

EXTREMES FOR PERIOD OF RECORD.—
SPECIFIC CONDUCTANCE: Maximum, 122 microsiemens, August 7, 2002; minimum, 34 microsiemens, June 17, 2003.
WATER TEMPERATURE: Maximum, 27.9°C, June 3, 4, 2002; minimum, 2.7°C, January 24, 2003.
TURBIDITY: Maximum, 932 NTU, May 6, 2003; minimum, <2.0 NTU, on many days.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum, 103 microsiemens, August 26; minimum, 34 microsiemens, June 17.
WATER TEMPERATURE: Maximum, 24.1°C, September 2; minimum, 2.7°C, January 24.
TURBIDITY: Maximum, 932 NTU, May 6; minimum, 2.3 NTU, November 29.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00 CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	94	90	92	90	77	84	92	83	88	86	75	80
2	97	93	95	90	83	87	89	81	85	86	78	82
3	100	92	96	87	79	84	96	77	86	79	74	78
4	93	88	91	86	79	82	85	77	81	78	73	76
5	94	87	90	90	64	77	83	55	71	79	72	76
6	92	87	90	69	62	65	70	68	69	84	72	78
7	91	74	86	66	64	65	71	68	69	78	71	75
8	95	86	90	73	66	70	82	70	76	77	72	75
9	90	85	87	85	73	80	90	82	86	81	72	76
10	95	86	90	88	83	85	92	63	84	79	72	75
11	88	82	85	89	63	78	77	63	69	77	72	75
12	90	83	86	77	69	70	64	62	63	78	71	74
13	93	85	90	76	71	73	72	63	67	76	69	73
14	95	90	92	85	75	80	74	71	72	73	68	70
15	93	62	84	90	84	88	79	72	76	75	60	69
16	63	58	61	86	61	68	85	79	83	72	60	66
17	66	63	64	67	61	65	85	83	84	74	66	71
18	74	66	70	72	67	69	86	83	84	73	66	70
19	---	---	---	84	72	79	90	79	86	75	63	69
20	---	---	---	90	82	86	80	71	76	74	63	69
21	---	---	---	89	82	85	73	68	70	71	57	63
22	---	---	---	85	82	83	77	69	73	68	58	64
23	89	82	84	86	82	85	82	77	79	70	61	67
24	89	80	84	92	85	88	82	44	58	65	59	62
25	87	82	84	94	91	92	49	44	47	62	54	57
26	96	83	88	96	92	94	55	48	50	65	54	61
27	100	94	96	95	89	90	69	55	63	65	56	61
28	103	63	90	95	92	93	77	68	72	63	56	60
29	79	60	71	96	91	94	83	77	79	65	58	61
30	---	---	---	100	87	94	86	78	80	60	54	57
31	77	69	72	---	---	---	85	77	81	58	56	57
MONTH	---	---	---	100	61	81	96	44	74	86	54	69

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00 CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	63	58	61	60	51	55	85	61	72	52	49	51
2	72	62	66	55	51	54	64	60	62	51	49	50
3	71	67	69	55	52	53	66	62	64	56	50	52
4	71	67	68	53	51	52	80	64	71	74	56	63
5	75	67	70	53	49	51	78	66	71	71	39	60
6	76	64	68	49	44	45	76	65	70	52	37	43
7	64	57	58	46	42	44	78	68	70	45	39	42
8	63	60	62	56	42	49	73	67	69	56	43	46
9	66	60	64	58	51	54	72	69	70	56	46	48
10	68	62	65	54	49	52	83	71	77	48	46	47
11	67	61	64	54	51	53	74	68	70	48	46	47
12	69	63	66	56	52	54	78	73	75	51	47	49
13	71	63	66	57	54	56	79	64	72	50	46	48
14	76	65	72	58	55	56	78	64	67	48	45	47
15	75	68	71	59	55	57	75	64	68	51	47	49
16	74	56	67	65	59	64	71	58	64	50	45	48
17	68	63	65	77	57	64	71	57	63	50	46	48
18	65	62	62	58	54	56	72	58	63	49	43	46
19	66	62	64	60	54	56	73	55	61	54	46	49
20	75	65	71	72	59	64	67	56	60	50	47	49
21	79	71	74	69	54	59	84	67	74	---	---	---
22	72	50	61	58	52	56	83	59	70	---	---	---
23	52	48	50	58	53	55	72	57	64	---	---	---
24	55	48	51	59	56	57	70	54	61	---	---	---
25	58	50	53	75	56	63	58	47	52	---	---	---
26	56	49	52	66	55	58	55	44	50	---	---	---
27	60	55	56	65	55	60	67	52	58	---	---	---
28	61	53	56	69	57	62	68	50	57	---	---	---
29	---	---	---	69	57	62	52	49	50	86	65	78
30	---	---	---	64	60	61	56	50	53	74	59	67
31	---	---	---	84	64	74	---	---	---	75	61	67
MONTH	79	48	63	84	42	57	85	44	65	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00 CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	73	61	66	---	---	---	68	54	60	87	72	83
2	81	73	77	---	---	---	64	51	57	92	82	87
3	82	58	67	---	---	---	68	49	56	100	61	77
4	73	63	67	---	---	---	71	58	64	76	60	67
5	75	62	69	---	---	---	68	56	61	77	61	67
6	77	57	67	---	---	---	67	53	59	76	61	67
7	70	56	62	---	---	---	61	54	57	72	61	65
8	65	57	62	---	---	---	74	59	65	91	71	79
9	65	62	63	---	---	---	73	61	65	100	65	84
10	78	61	68	---	---	---	80	61	68	78	61	68
11	76	60	67	---	---	---	82	71	74	83	62	71
12	68	49	60	---	---	---	82	56	66	80	70	74
13	71	52	61	---	---	---	65	54	58	78	70	72
14	64	53	57	---	---	---	61	55	57	76	67	71
15	61	55	58	---	---	---	65	54	59	85	76	82
16	66	58	62	---	---	---	65	54	58	91	73	85
17	65	34	47	---	---	---	72	59	65	78	64	72
18	---	---	---	---	---	---	80	67	72	76	64	69
19	---	---	---	---	---	---	---	---	---	80	63	69
20	---	---	---	---	---	---	---	---	---	81	70	73
21	---	---	---	---	---	---	---	---	---	81	71	74
22	---	---	---	---	---	---	---	---	---	78	60	73
23	---	---	---	---	---	---	---	---	---	74	59	64
24	---	---	---	---	---	---	---	---	---	71	61	66
25	---	---	---	---	---	---	---	---	---	79	63	69
26	---	---	---	---	---	---	103	60	76	80	63	71
27	---	---	---	---	---	---	74	59	65	76	64	69
28	---	---	---	---	---	---	80	59	67	74	64	67
29	---	---	---	---	---	---	74	59	64	81	74	78
30	---	---	---	---	---	---	75	52	66	85	66	76
31	---	---	---	67	51	59	72	60	67	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	100	59	73

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00 CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.7	18.2	19.4	15.5	13.7	14.5	8.9	7.6	8.2	10.4	9.4	9.9
2	21.0	18.3	19.7	13.8	12.0	12.9	8.2	6.7	7.5	11.2	10.3	10.7
3	21.4	18.8	20.0	12.5	11.8	12.2	9.0	7.2	8.1	10.9	8.5	9.8
4	20.2	18.6	19.5	12.6	12.0	12.3	8.7	8.3	8.6	8.5	7.2	7.8
5	20.9	18.4	19.4	13.2	12.3	12.6	8.3	5.9	7.2	8.7	6.8	7.6
6	20.5	18.2	19.1	13.4	12.6	13.1	7.6	6.5	7.1	8.1	7.1	7.5
7	21.2	19.3	20.1	12.9	11.7	12.3	7.2	5.8	6.5	7.4	5.9	6.7
8	19.4	18.0	18.7	13.4	11.5	12.4	7.1	5.6	6.4	7.8	5.8	6.7
9	18.1	16.8	17.3	13.6	11.7	12.7	7.7	6.7	7.2	9.3	6.6	7.9
10	16.8	15.7	16.2	15.1	13.3	14.0	7.9	7.5	7.7	10.1	8.8	9.3
11	16.7	15.5	16.0	16.9	15.1	16.1	8.5	7.9	8.3	8.8	6.9	7.7
12	18.2	15.7	16.8	15.9	14.9	15.7	8.5	8.1	8.3	6.9	5.6	6.1
13	19.4	16.8	17.9	14.9	13.3	14.2	8.7	8.2	8.5	6.2	5.2	6.1
14	18.2	17.0	17.6	13.8	12.0	12.8	8.4	7.5	8.1	7.2	4.9	5.9
15	17.3	14.8	15.9	12.4	11.3	12.0	8.3	6.8	7.5	7.0	5.4	6.1
16	15.5	14.7	15.0	12.6	12.1	12.4	8.9	6.8	7.8	6.1	5.1	5.6
17	16.0	14.4	15.1	12.4	10.6	11.6	9.3	7.8	8.5	6.2	4.6	5.3
18	16.0	14.5	15.2	10.9	9.6	10.3	9.4	8.5	8.9	5.1	3.6	4.3
19	---	---	---	10.8	9.7	10.3	10.7	8.8	9.3	5.6	3.8	4.5
20	---	---	---	11.2	10.1	10.5	11.2	9.7	10.4	6.8	4.0	5.4
21	---	---	---	12.2	11.2	11.7	10.0	8.9	9.4	8.3	6.2	7.5
22	---	---	---	11.7	10.2	11.2	10.4	8.2	9.2	9.9	8.3	9.0
23	15.3	---	---	10.6	9.1	9.8	9.8	8.2	9.1	8.7	4.6	6.8
24	15.8	14.1	14.8	10.7	8.4	9.5	9.6	8.7	9.1	4.9	2.7	3.8
25	14.8	14.2	14.5	10.9	8.9	9.9	8.7	7.1	8.0	5.0	3.4	4.2
26	15.2	14.3	14.7	11.2	9.3	10.3	7.1	5.9	6.4	6.5	4.4	5.4
27	15.7	14.5	15.1	11.2	9.5	10.3	6.6	5.1	5.9	6.6	4.8	5.6
28	18.6	14.9	15.9	9.8	8.4	9.1	7.0	5.2	6.1	6.5	4.6	5.5
29	18.3	16.3	16.9	9.3	7.5	8.4	8.0	5.9	6.9	7.5	5.8	6.6
30	---	---	---	9.9	8.1	8.8	8.4	6.7	7.6	8.1	7.2	7.9
31	16.3	14.7	15.4	---	---	---	9.5	7.9	8.8	9.0	7.8	8.3
MONTH	---	---	---	16.9	7.5	11.8	11.2	5.1	8.0	11.2	2.7	6.8

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00 CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.5	7.9	8.6	9.2	8.2	8.6	12.9	10.8	11.5	12.7	11.1	12.0
2	10.0	7.7	8.8	8.8	8.2	8.4	14.2	10.4	12.5	13.0	11.3	12.2
3	10.3	8.3	9.3	8.6	7.6	8.2	14.9	12.4	13.6	13.9	11.4	12.7
4	11.3	9.7	10.3	9.0	7.8	8.4	16.7	12.7	14.8	17.3	13.9	15.5
5	9.9	8.3	9.1	10.2	8.6	9.0	15.4	14.5	14.9	17.6	15.0	15.8
6	8.5	7.2	8.0	11.1	10.2	10.8	15.2	13.9	14.5	17.8	15.9	16.9
7	7.2	6.5	6.8	13.0	11.0	11.9	14.8	13.6	14.5	18.8	17.4	18.2
8	6.9	5.6	6.3	12.8	12.3	12.6	13.6	12.3	13.0	20.2	18.5	19.3
9	7.9	6.0	6.9	12.5	9.6	10.7	12.3	11.5	12.1	19.3	12.6	13.7
10	8.6	7.1	7.7	10.5	9.2	9.9	11.5	10.2	10.9	13.3	12.0	12.6
11	8.5	6.7	7.6	10.1	8.6	9.4	12.4	9.8	10.9	12.5	11.5	12.0
12	9.0	7.2	7.9	10.4	8.6	9.6	14.7	10.2	12.5	13.5	11.5	12.5
13	8.8	7.2	8.0	10.7	9.3	10.0	15.7	12.5	13.8	12.6	11.0	11.8
14	8.6	7.1	7.8	10.3	9.3	9.8	16.9	13.1	14.8	11.9	10.9	11.3
15	9.1	7.4	8.2	9.6	9.0	9.2	16.7	14.5	15.3	12.7	11.0	11.8
16	9.3	7.7	8.7	11.9	9.6	10.7	15.7	13.7	14.7	14.2	12.7	13.4
17	7.7	6.8	7.4	11.5	9.9	10.9	14.8	13.0	14.0	13.2	12.1	12.7
18	7.0	6.2	6.5	10.1	9.8	9.9	15.5	13.0	13.9	15.0	12.8	14.2
19	8.0	6.5	7.2	11.1	10.0	10.4	14.2	12.6	13.6	15.6	14.3	15.1
20	10.0	7.4	8.5	12.4	11.1	12.0	14.7	12.6	13.6	14.3	12.0	12.5
21	9.7	8.8	9.2	13.6	11.8	12.5	16.2	13.9	14.9	---	---	---
22	11.5	9.3	10.6	12.1	10.6	11.2	15.4	13.6	14.4	---	---	---
23	11.3	10.0	10.6	11.5	9.8	10.6	15.7	13.0	14.2	---	---	---
24	10.7	9.2	10.0	13.4	10.2	11.8	13.8	12.0	13.0	---	---	---
25	9.4	8.4	9.0	14.2	12.1	13.0	14.5	11.8	12.7	---	---	---
26	9.3	7.8	8.0	13.9	12.4	12.9	14.5	12.4	13.6	---	---	---
27	7.8	7.4	7.6	15.3	12.5	13.7	17.0	14.1	15.5	---	---	---
28	9.1	7.6	8.2	14.8	13.6	14.4	16.5	12.1	14.5	---	---	---
29	---	---	---	14.2	12.4	13.4	12.9	11.1	12.1	18.5	---	---
30	---	---	---	12.8	10.8	11.8	13.8	11.8	12.8	18.6	15.4	16.6
31	---	---	---	13.1	9.4	11.2	---	---	---	18.2	15.8	17.0
MONTH	11.5	5.6	8.3	15.3	7.6	10.9	17.0	9.8	13.6	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00 CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.8	15.6	17.7	---	---	---	19.0	17.0	18.0	23.6	20.1	21.8
2	21.3	16.7	18.8	---	---	---	19.5	17.6	18.9	24.1	21.0	22.5
3	19.0	15.9	17.5	---	---	---	22.3	17.6	19.9	23.0	17.3	19.8
4	18.2	16.2	17.1	---	---	---	22.0	20.5	21.4	19.0	16.8	18.0
5	19.2	17.0	17.9	---	---	---	21.8	19.0	20.8	18.8	17.0	17.7
6	17.5	14.7	16.4	---	---	---	20.6	16.6	18.4	18.4	17.2	18.0
7	17.1	15.3	16.0	---	---	---	18.4	17.0	17.8	18.8	17.0	17.8
8	21.1	16.7	19.6	---	---	---	21.1	18.1	19.3	20.9	17.8	19.3
9	23.4	19.8	21.5	---	---	---	19.5	18.2	19.0	19.4	16.5	18.4
10	21.9	17.4	20.7	---	---	---	20.9	17.8	19.3	17.9	16.3	17.3
11	19.9	17.1	18.5	---	---	---	22.0	19.8	20.7	20.1	16.4	18.1
12	19.3	15.5	16.9	---	---	---	21.1	16.3	18.0	19.9	17.1	18.4
13	19.8	16.3	17.8	---	---	---	17.6	15.5	16.5	19.4	17.0	18.2
14	19.4	16.5	17.9	---	---	---	18.7	14.4	16.4	19.4	17.4	18.4
15	19.9	16.3	18.1	---	---	---	18.8	15.6	17.1	21.1	18.4	19.5
16	19.2	16.1	17.6	---	---	---	18.5	15.4	16.9	20.5	17.8	19.1
17	19.5	17.5	18.8	---	---	---	20.4	17.0	18.9	19.3	16.9	18.1
18	---	---	---	---	---	---	21.4	18.9	20.0	18.9	16.9	17.8
19	---	---	---	---	---	---	---	---	---	19.2	16.1	17.7
20	---	---	---	---	---	---	---	---	---	20.2	17.5	18.8
21	---	---	---	---	---	---	---	---	---	19.8	17.9	19.0
22	---	---	---	---	---	---	---	---	---	20.3	18.9	19.3
23	---	---	---	---	---	---	---	---	---	19.6	17.7	18.4
24	---	---	---	---	---	---	---	---	---	19.8	17.2	18.9
25	---	---	---	---	---	---	23.6	---	---	19.5	16.7	17.8
26	---	---	---	---	---	---	22.0	17.1	19.2	19.8	16.6	18.0
27	---	---	---	---	---	---	18.1	17.0	17.5	19.4	16.4	17.9
28	---	---	---	---	---	---	19.0	17.4	18.2	19.0	16.4	17.7
29	---	---	---	---	---	---	18.5	17.2	17.8	18.5	16.1	17.3
30	---	---	---	20.0	---	---	23.1	17.9	19.5	17.0	15.2	16.1
31	---	---	---	18.3	16.6	17.5	21.8	18.0	20.1	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	24.1	15.2	18.5

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00 CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23	9.0	13	28	18	21	9.1	4.8	6.2	23	12	16
2	17	7.7	12	21	13	16	9.1	4.6	5.9	25	13	19
3	17	9.1	12	18	8.4	11	9.1	4.2	6.1	31	20	24
4	16	8.8	12	17	9.4	13	9.7	4.5	5.8	24	15	18
5	22	8.6	13	206	11	66	279	5.9	70	20	9.8	14
6	22	9.2	12	156	74	101	109	60	72	14	8.7	11
7	325	14	27	89	63	76	130	52	86	12	6.7	8.8
8	38	14	19	69	32	45	53	18	36	12	6.2	8.2
9	44	13	26	33	16	22	20	10	14	10	5.1	7.0
10	74	15	25	18	12	14	159	7.8	9.7	11	6.4	8.2
11	52	13	19	184	12	53	383	71	118	11	7.1	8.1
12	58	8.8	14	58	39	48	515	96	159	8.7	4.7	6.6
13	40	8.4	13	58	30	44	280	43	72	11	4.8	5.9
14	38	8.4	12	34	10	17	108	38	45	7.0	4.4	5.6
15	213	11	26	17	5.6	9.9	---	---	---	11	5.0	8.2
16	294	93	178	203	12	88	---	---	---	9.7	4.1	5.9
17	104	67	86	217	122	163	---	9.9	---	8.5	4.9	5.8
18	103	28	55	130	40	67	45	7.4	11	11	5.1	6.4
19	---	---	---	45	17	26	37	8.5	12	12	5.9	8.1
20	---	---	---	20	11	16	388	20	37	8.2	5.7	6.9
21	---	---	---	45	15	20	34	26	31	67	5.3	14
22	---	---	---	22	11	15	44	24	30	36	7.9	15
23	---	---	---	21	13	15	25	11	18	11	5.5	7.5
24	14	5.9	8.2	16	5.6	8.1	806	11	437	27	6.1	7.6
25	9.7	5.3	7.5	9.1	3.3	5.4	824	337	521	26	7.2	9.5
26	11	4.6	6.8	9.4	2.8	4.7	401	110	226	13	5.5	7.1
27	9.7	4.5	6.5	11	3.6	5.7	120	43	66	16	6.1	7.8
28	276	6.6	9.1	7.5	3.8	5.5	48	21	32	9.2	5.6	7.2
29	239	75	124	8.3	2.3	4.8	23	14	20	22	4.3	6.2
30	205	51	75	7.7	4.1	5.8	49	14	18	159	19	37
31	55	26	35	---	---	---	29	12	15	50	32	38
MAX	---	---	---	217	122	163	---	---	---	159	32	38
MIN	---	---	---	7.5	2.3	4.7	---	---	---	7.0	4.1	5.6

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00 CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	41	18	23	213	33	67	15	4.5	9.9	46	23	32
2	20	10	14	102	46	59	94	6.5	20	50	25	35
3	13	8.5	10	69	43	53	25	3.3	8.8	46	15	32
4	59	8.1	28	89	38	50	18	3.0	7.6	18	8.8	12
5	23	16	18	191	33	47	16	3.9	7.9	907	9.1	20
6	52	14	19	620	172	444	22	4.4	7.2	932	354	505
7	52	17	28	588	236	313	13	6.6	9.8	689	416	526
8	34	20	29	354	101	219	12	4.6	7.4	487	126	233
9	29	10	15	131	39	74	14	3.5	5.5	512	80	172
10	25	9.9	17	68	32	48	19	2.5	5.1	222	72	99
11	26	11	16	50	27	38	16	2.7	4.8	185	59	82
12	22	12	15	71	27	34	7.9	2.4	3.7	76	27	44
13	41	8.3	20	61	23	33	52	4.8	10	175	39	57
14	86	5.6	7.2	41	24	31	8.7	4.3	5.7	146	30	52
15	37	7.2	11	41	18	30	18	5.2	8.4	107	29	53
16	287	6.5	32	20	12	16	26	8.3	14	409	35	73
17	93	37	67	79	12	26	85	8.5	16	40	23	29
18	90	27	54	80	31	38	36	13	20	377	29	156
19	28	12	17	39	16	31	38	8.0	20	333	91	138
20	29	8.8	11	74	16	46	9.7	3.5	5.2	144	31	46
21	36	4.7	10	269	46	96	96	3.3	5.5	---	---	---
22	264	12	132	80	36	51	74	16	28	---	---	---
23	413	166	264	44	15	33	72	18	34	---	---	---
24	341	70	191	18	8.1	14	68	15	23	---	---	---
25	104	25	38	33	8.7	20	412	16	115	---	---	---
26	95	22	61	66	12	20	310	50	170	---	---	---
27	55	19	28	21	7.6	11	123	32	42	---	---	---
28	65	32	41	26	9.3	15	177	39	55	---	---	---
29	---	---	---	17	8.1	11	53	22	38	---	---	---
30	---	---	---	12	6.5	9.4	45	12	28	63	14	30
31	---	---	---	17	3.3	6.8	---	---	---	44	7.6	14
MAX	413	166	264	620	236	444	412	50	170	---	---	---
MIN	13	4.7	7.2	12	3.3	6.8	7.9	2.4	3.7	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335133 LONGITUDE 0842716 NAD83 DRAINAGE AREA 1450.00 CONTRIBUTING DRAINAGE AREA DATUM 750.10 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	10	2.4	7.1	---	---	---	107	33	53	14	6.1	9.5
2	18	2.7	5.2	---	---	---	340	27	110	22	5.8	7.9
3	423	8.1	73	---	---	---	353	19	48	60	15	30
4	50	22	34	---	---	---	126	36	74	27	13	17
5	39	15	20	---	---	---	217	76	111	31	11	18
6	45	23	36	---	---	---	129	41	76	38	8.3	17
7	291	19	48	---	---	---	310	50	87	22	6.4	8.7
8	426	61	157	---	---	---	80	37	52	26	6.1	9.0
9	545	78	296	---	---	---	48	19	32	25	12	17
10	209	63	82	---	---	---	129	15	20	24	11	15
11	196	49	74	---	---	---	139	15	44	32	5.0	8.6
12	488	35	107	---	---	---	258	35	72	24	7.9	13
13	719	33	90	---	---	---	69	36	53	16	4.9	11
14	588	110	270	---	---	---	110	25	39	14	4.9	7.5
15	479	70	149	---	---	---	85	25	41	18	5.5	7.4
16	254	40	86	---	---	---	55	17	34	19	7.1	12
17	836	103	408	---	---	---	35	12	18	26	8.2	12
18	---	---	---	---	---	---	40	12	18	22	7.5	12
19	---	---	---	---	---	---	---	---	---	17	5.9	9.4
20	---	---	---	---	---	---	---	---	---	21	4.7	9.1
21	---	---	---	---	---	---	---	---	---	9.6	5.0	6.7
22	---	---	---	---	---	---	---	---	---	594	4.7	10
23	---	---	---	---	---	---	---	---	---	501	81	244
24	---	---	---	---	---	---	---	---	---	252	61	127
25	---	---	---	---	---	---	---	---	---	62	26	42
26	---	---	---	---	---	---	33	14	20	43	16	27
27	---	---	---	---	---	---	32	11	19	40	16	26
28	---	---	---	---	---	---	78	13	22	26	11	18
29	---	---	---	---	---	---	134	13	29	35	10	18
30	---	---	---	---	---	---	310	16	34	39	15	26
31	---	---	---	120	24	55	110	10	15	---	---	---
MAX	---	---	---	---	---	---	---	---	---	594	81	244
MIN	---	---	---	---	---	---	---	---	---	9.6	4.7	6.7

APALACHICOLA RIVER BASIN
2003 Water Year

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA

LOCATION.—Lat 33°51'33", long. 84°27'16", Reference to North American Datum (NAD) of 1983 Fulton-Cobb County line, on left bank, 30.0 feet upstream from new bridge on Paces Ferry Road, 1.0 mile downstream from Rottenwood Creek, 2.5 miles upstream from Peachtree Creek, and at mile 303.0.

DRAINAGE AREA.—1,450 square miles.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—May 1, 1937 to April 30, 1938, September 17, 1957 to September 30, 1960, January 25, 1962 to January 27, 1969, September 13, 1971 to September 8, 1979, September 12, 1988 to October 20, 1988, July 25, 1995, March 22, 1999 to current year.

REMARKS.—Laboratory chemical analyses with analyzing agency code 1028 are by the U.S. Geological Survey, Georgia District Bacteria Laboratory.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Turbid-ity, water, unfltrd lab, NTU (82079)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)
OCT				
01...	0755	10	140	9210
02...	0835	9.0	100	6870
03...	0920	9.0	67	5170
04...	0900	7.0	140	8160
05...	1006	4.0	390	13800
06...	0811	8.0	130	5790
07...	0815	13	1600	>24200
08...	0810	9.0	170	16100
09...	0825	8.0	230	7320
10...	0905	13	920	12700
11...	0850	6.0	160	4200
12...	0947	4.0	110	6250
13...	0715	4.0	150	8660
14...	0834	7.0	180	8990
15...	0900	8.0	1100	57900
16...	0915	140	8400	173000
17...	0940	59	2100	69700
18...	0915	44	590	23800
19...	0855	13	240	8280
20...	0744	10	130	4340
21...	0750	11	480	14100
22...	0825	13	280	6640
23...	0745	10	120	9540
24...	0843	7.0	87	4800
25...	1000	7.0	110	3960
26...	1045	5.0	120	2300
27...	0837	7.0	100	4720
28...	0900	7.0	98	5250
29...	0900	75	4000	112000
30...	0925	86	3100	34400
31...	1000	35	580	7980
NOV				
01...	0855	17	360	9470
02...	0952	13	970	24100
03...	0835	10	970	13100
04...	0855	8.0	680	14100
05...	0945	11	620	15300
06...	0950	69	2800	120000
07...	0920	100	2300	54800
08...	0900	44	3200	24500
09...	0932	24	490	16900
10...	0917	13	110	4120
11...	0928	70	3000	242000
12...	0900	35	1600	>24200

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Turbid-ity, water, unfltrd lab, NTU (82079)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)
13...	0930	39	440	15100
14...	0850	21	130	5170
15...	0920	14	74	3800
16...	0920	61	2600	92100
17...	0822	100	1300	81300
18...	0845	54	540	16500
19...	0910	27	150	5170
20...	0915	15	64	1990
21...	0905	20	400	14100
22...	0920	13	68	2980
23...	0948	15	57	2930
24...	0847	11	47	1580
25...	0947	6.0	44	870
26...	0845	5.0	40	1230
29...	0930	5.0	260	1050
30...	1000	6.0	96	2440
DEC				
01...	0835	7.0	160	1980
02...	0900	6.0	220	1620
03...	0910	6.0	32	821
04...	0855	58	160	1470
05...	0945	87	4600	120000
06...	0755	43	880	62900
07...	1044	59	1000	54800
08...	0835	36	1000	43600
10...	0935	7.0	200	3650
11...	0930	48	1100	24500
12...	0845	30	1100	68700
13...	0922	38	600	26100
14...	0855	22	240	13000
15...	0933	24	140	10900
16...	0900	20	190	4110
17...	0930	13	130	2050
18...	0930	10	70	1520
19...	0910	10	87	1610
20...	0910	39	860	30800
21...	0815	22	250	6810
22...	0830	24	67	2060
26...	0915	150	1700	57900
27...	0945	50	300	12800
28...	0840	26	550	5040
29...	0840	16	440	5640
30...	0850	13	51	1350
JAN				
02...	0900	8.0	78	1330
03...	0915	19	260	4120
04...	0855	13	97	1850
05...	0900	12	43	1740
06...	0845	8.0	50	652
07...	0930	7.0	56	870
08...	1020	6.0	32	731
09...	1110	6.0	51	626
10...	0935	6.0	140	2090
11...	0900	6.0	30	821
12...	0910	6.0	27	551
13...	0915	4.0	46	977
14...	0950	5.0	68	1140
15...	0925	6.0	55	1540
16...	0915	5.0	61	849
17...	0925	4.0	44	1130
18...	1025	4.0	38	789
19...	0905	7.0	390	2620
20...	0820	5.0	56	1380
21...	0850	4.0	35	1120
22...	0920	23	46	957
23...	0925	6.0	26	989
24...	0915	5.0	23	764
25...	0900	6.0	120	2110
26...	0915	5.0	160	1850
27...	0855	5.0	42	1090
28...	0810	4.0	50	1540
29...	0935	4.0	20	752

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Turbidity, water, unfltrd lab, NTU (82079)	E coli, Colilert Quantry water, MPN/100 mL (50468)	Total coliform, Colert Quantry MPN/100 mL (50569)
30...	0925	38	350	12300
31...	0915	22	240	10200
FEB				
01...	0835	18	130	8960
02...	0905	13	88	5170
03...	0955	7.0	59	1300
04...	0920	15	240	8160
05...	1015	12	77	2500
06...	0920	12	120	1300
07...	0930	12	220	4390
10...	0905	7.0	250	3080
12...	0930	9.0	22	1870
14...	0900	5.0	9	776
17...	0930	33	1000	11800
19...	0933	12	86	2710
21...	0930	7.0	23	1860
24...	0845	180	900	30800
26...	0935	58	52	3450
28...	0900	28	130	2610
MAR				
03...	0920	38	27	995
05...	0900	34	40	1540
07...	0920	220	2000	12500
10...	0850	31	76	7730
12...	0915	23	49	2620
14...	0920	22	22	1300
17...	0915	11	67	2980
19...	0920	22	140	3130
21...	0920	92	1100	24700
24...	1005	9.0	61	1720
26...	1000	18	120	3150
28...	0900	10	100	2240
31...	0915	4.0	130	6870
APR				
02...	0930	40	89	2580
04...	0915	10	100	4940
07...	0850	8.0	180	16900
09...	0930	5.0	120	2600
11...	1310	4.0	76	2070
14...	0925	7.0	42	1800
16...	0810	12	49	1940
18...	0935	23	330	8850
21...	0940	2.0	27	1500
23...	0925	47	2700	19500
25...	0930	96	3000	72800
28...	0900	34	200	8420
30...	0830	9.0	65	3650
MAY				
02...	0945	24	170	13900
05...	0745	14	160	3650
07...	0915	280	7600	>242000
09...	0910	130	500	15600
12...	0920	27	260	13700
14...	0912	33	73	3290
16...	0725	60	5800	242000
19...	0845	61	5300	159000
21...	0827	17	110	5050
23...	0953	81	1500	65400
28...	0810	11	110	6130
30...	0905	33	110	9800
JUN				
04...	0800	25	1400	81600
06...	0920	30	320	15700
09...	0930	220	1400	81600
11...	0840	54	320	24200
13...	0840	74	2600	98000
16...	0945	130	520	57900
18...	1010	110	2800	136000
20...	0800	110	880	29100
23...	0830	25	210	11200
25...	0830	35	170	6870
27...	0815	11	110	7270

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Turbid-ity, water, unfltrd lab, NTU (82079)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)
30...	0805	11	140	9580
JUL				
02...	0800	170	10000	387000
07...	0840	27	260	6870
09...	0840	15	160	>4840
11...	0840	32	320	9800
14...	0830	37	1300	48800
16...	0840	36	340	26100
18...	0840	22	150	9800
21...	0830	22	130	5840
23...	0815	41	3100	112000
25...	0830	66	320	15800
28...	0745	8.6	110	3870
30...	0815	22	760	>24200
AUG				
01...	0825	42	1300	27200
04...	1000	49	1300	72700
06...	0830	70	1300	72700
08...	0805	43	940	18200
11...	0800	19	220	6050
13...	0845	36	690	24500
15...	0840	31	160	7740
18...	0920	9.8	67	7040
20...	0830	25	480	12300
22...	0810	20	150	5240
25...	0810	5.2	110	4890
27...	0835	17	190	5480
29...	0800	18	2400	77000
SEP				
03...	0845	35	2600	23800
05...	0830	17	430	7280
08...	0815	4.2	110	6330
10...	0822	11	170	2420
12...	0845	12	160	4940
15...	0830	4.9	420	18900
17...	0825	7.9	130	4110
19...	0815	9.3	160	5140
22...	0845	5.7	450	6810
24...	0830	100	1400	92100
26...	0900	27	510	13100
29...	0830	5.0	260	7780

0Remark codes used in this report:
> -- Greater than

APALACHICOLA RIVER BASIN
2003 Water Year

02336020 CHATTAHOOCHEE RIVER ABOVE ATLANTA ROAD, AT ATLANTA, GA

LOCATION.--Lat 33o49'38" long 84o27'20" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130001, located 200 feet above mouth of Peachtree Creek, and 3.1 miles downstream of bridge crossing of U.S. Highway 41.
DRAINAGE AREA.—1,460 square miles.

REMARKS.—Datum of gage is 910.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---October 1970, and October 2002 to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
OCT													
16...	1200	1028	80020	E7.15	E6560	--	--	--	--	--	--	--	--
DEC													
03...	1115	1028	80020	E3.30	E1250	30	752	--	--	7.5	102	--	8.0
JAN													
15...	1100	1028	80020	E3.38	E1390	30	747	12.0	97	7.3	86	--	5.3
FEB													
18...	1200	1028	80020	E4.24	E2260	70	751	11.5	94	7.3	68	--	6.3
MAR													
21...	1215	1028	80020	E6.52	E5910	30	743	9.3	90	6.9	72	--	12.8
APR													
25...	1115	1028	80020	E8.09	E7920	30	739	10.0	96	7.1	57	--	12.0
MAY													
16...	1130	1028	80020	E8.97	E5970	30	745	9.4	93	6.6	59	--	13.8
JUN													
09...	1130	1028	80020	E4.31	E2640	30	739	8.4	97	6.3	64	29.0	20.7
27...	1200	1028	80020	E7.69	E7820	30	747	10.2	98	6.3	53	--	12.7
JUL													
23...	1100	1028	80020	E5.30	E3990	70	745	8.1	89	6.8	67	--	18.9
AUG													
18...	1045	1028	80020	E3.21	E1360	70	747	7.6	84	7.2	73	--	19.0
SEP													
11...	1130	1028	80020	E3.16	E1230	70	753	8.8	91	7.4	67	--	16.4

02336020 CHATTAHOOCHEE RIVER ABOVE ATLANTA ROAD, AT ATLANTA, GA---continued.

Date	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naph-thol, water, fltrd 0.7u GF ug/L (49295)	2,4-D water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)	OIET, water, fltrd, ug/L (50355)
OCT													
16...	4.2	3500	<.09	E.045	.28	<.02	<.006	<.1	<.005	<.006	E.09	<.004	E.017
DEC													
03...	1.6	--	<.09	<.009	E.01	<.02	<.006	M	<.005	<.006	E.01	<.004	<.008
JAN													
15...	1.6	13k	<.09	<.009	<.01	<.02	<.006	<.1	<.005	E.003	<.04	<.004	E.003
FEB													
18...	--	180	<.09	<.009	.30	<.02	<.006	<.1	<.005	E.009	E.04	<.004	E.020
MAR													
21...	3.2	1200	E.01	.108	.57	<.02	<.006	<.1	<.005	E.015	E.05	<.004	E.019
APR													
25...	2.2	1900	E.01	<.009	.46	<.02	<.006	<.1	<.005	E.006	E.01	<.004	<.008
MAY													
16...	2.8	140	<.09	E.118	.35	<.02	<.006	<.1	<.005	<.006	<.04	<.004	<.008
JUN													
09...	3.5	1200	E.01	<.009	.28	<.02	<.006	<.1	<.005	E.007	E.01	<.004	<.008
27...	1.6	110	<.09	<.009	E.02	<.02	<.006	<.1	<.005	<.006	<.04	<.004	E.004
JUL													
23...	3.0	2000	E.01	<.009	.15	<.02	<.006	<.1	<.005	<.006	<.04	<.004	E.004
AUG													
18...	1.8	69	<.09	<.009	E.02	<.02	<.006	<.1	<.005	<.006	<.04	<.004	<.008
SEP													
11...	1.5	67	<.09	<.009	<.02	<.02mc	<.006	<.1	<.005	<.006	<.04mc	<.004	<.008mc

Date	3,4-Di-chloro-aniline water fltrd, ug/L (61625)	3-Hydroxy carbo-furan, wat flt 0.7u GF ug/L (49308)	Aceto-chlor, water, fltrd, ug/L (49260)	Aci-fluor-fen, water, fltrd 0.7u GF ug/L (49315)	Ala-chlor, water, fltrd, ug/L (46342)	Aldi-carb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldi-carb sulf-oxide, wat flt 0.7u GF ug/L (49314)	Aldi-carb, water, fltrd 0.7u GF ug/L (49312)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Bendio-carb, water, fltrd, ug/L (50299)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)
OCT													
16...	.016	<.006	<.006	<.007	<.004	<.02	<.008	<.04	.075	<.02	<.050	<.03	<.010
DEC													
03...	.027	<.006	<.006	<.007	<.004	<.02	<.008	<.04	.010	<.02	<.050	<.03	<.010
JAN													
15...	.030	<.006	<.006	<.007	<.004	<.02	<.008	<.04	.008	<.02	<.050	<.03	<.010
FEB													
18...	.016	<.006	<.006	<.007	<.004	<.02	<.008	<.04	.187	<.02	<.050	<.03	<.010
MAR													
21...	.025	<.006	<.006	<.007	<.004	<.02	<.008	<.04	.110	<.02	<.050	<.03	<.010
APR													
25...	.018	<.006	<.006	<.007	<.004	<.02	<.008	<.04	.037	<.02	<.050	<.03	<.010
MAY													
16...	.008	<.006	<.006	<.007	<.004	<.02	<.008	<.04	.019	<.02	<.050	<.03	<.010
JUN													
09...	<.015	<.006	<.006	<.007	<.004	<.02	<.008	<.04	.033	<.12	<.050	<.03	<.010
27...	.006	<.006	<.006	<.007	<.004	<.02	<.008	<.04	E.005n	<.02	<.050	<.03	<.010
JUL													
23...	.016	<.006	<.006	<.007	<.004	<.02	<.008	<.04	E.006n	<.02	<.050	<.03	<.010
AUG													
18...	.026	<.006	<.006	<.007	<.004	<.02	<.008	<.04	E.005n	<.02	<.050	<.03	<.010
SEP													
11...	.019	<.006	<.006	<.007	<.004	<.02mc	<.008mc	<.04mc	.007	<.02	<.050	<.03	<.010

02336020 CHATTAHOOCHEE RIVER ABOVE ATLANTA ROAD, AT ATLANTA, GA---continued.

Date	Benomyl water, fltrd, ug/L (50300)	Bensulfuron, water, fltrd, ug/L (61693)	Bentazon, water, fltrd 0.7u GF ug/L (38711)	Bromacil, water, fltrd, ug/L (04029)	Bromoxynil, water, fltrd 0.7u GF ug/L (49311)	Caffeine, water, fltrd, ug/L (50305)	Carbaryl, water, fltrd 0.7u GF ug/L (49310)	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Chlorambenmethyl ester, water, fltrd, ug/L (61188)	Chlorimuron, water, fltrd, ug/L (50306)	Chlorodiamino-s-triazine, wat flt ug/L (04039)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
OCT													
16...	<.004	<.02	<.01	<.03	<.02	E.1	E.05	<.006	<.02	<.010	E.04	<.06	<.006
DEC													
03...	<.004	<.02	<.01	<.03	<.02	E.1	<.03	<.006	<.02	<.010	<.01	<.06	<.006
JAN													
15...	<.004	<.02	<.01	M	<.02	E.1	<.03	<.006	<.02	<.010	<.01	<.06	<.006
FEB													
18...	<.004	<.02	<.01	<.03	<.02	<.5	<.03	<.006	<.02	<.010	<.01	<.06	<.006
MAR													
21...	.024	<.02	<.01	<.03	<.02	E.1	E.02	<.006	<.02	<.010	<.01	<.06	<.006
APR													
25...	.038	<.02	<.01	E.09	<.02	E.1	.04	<.006	<.02	<.010	<.01	<.06	<.006
MAY													
16...	E.034	<.02	<.01	<.03	<.02	E.1	E.01	<.006	<.02	<.010	E.01	<.06	<.006
JUN													
09...	.064	<.02	<.01	<.03	<.02	--	.05	<.006	<.02	<.010	<.01	<.06	<.006
27...	E.004	<.02	<.01	<.03	<.02	<.5	<.03	<.006	<.02	<.010	<.01	<.06	<.006
JUL													
23...	.077	<.02	<.01	<.03	<.02	E.1	E.01	<.006	<.02	<.010	<.01	<.06	<.006
AUG													
18...	.007	<.02	<.01	<.03	<.02	E.1	<.03	<.006	<.02	<.010	<.01	<.06	<.006
SEP													
11...	<.004	<.02	<.01mc	<.03mc	<.02mc	M	<.03	<.006	<.02mc	<.010	<.01mc	<.06	<.006

Date	Cycloate, water, fltrd, ug/L (04031)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dicamba water fltrd 0.7u GF ug/L (38442)	Dichlorprop, water, fltrd 0.7u GF ug/L (49302)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphenamid, water, fltrd, ug/L (04033)	Diuron, water, fltrd 0.7u GF ug/L (49300)
OCT													
16...	<.01	<.008	<.009	<.01	<.003	.086	.04	<.01	<.005	<.006	<.01	<.03	E.03
DEC													
03...	<.01	<.008	<.009	<.01	<.003	<.006	<.01	<.01	<.005	<.006	<.01	<.03	<.01
JAN													
15...	<.01	<.008	<.009	<.01	<.003	E.003	<.01	<.01	<.005	<.006	<.01	<.03	<.01
FEB													
18...	<.01	<.008	<.009	<.01	<.003	.006	<.01	<.01	<.005	<.006	<.01	<.03	<.01
MAR													
21...	<.01	<.008	<.009	<.01	<.003	.016	.22	.05	<.005	<.006	M	<.03	.18
APR													
25...	<.01	<.008	<.009	<.01	<.003	.039	.08	.04	<.005	<.006	<.01	<.03	.17
MAY													
16...	<.01	<.008	<.009	<.01	<.003	.019	.07	<.01	<.005	<.006	<.01	E.01	E.10
JUN													
09...	<.01	<.008	<.009	<.01	<.003	.047	<.01	<.01	<.005	<.006	<.01	<.03	E.02
27...	<.01	<.008	<.009	<.01	<.003	<.005	<.01	<.01	<.005	<.006	<.01	<.03	E.01
JUL													
23...	<.01	<.008	<.009	<.01	<.003	.013	<.01	<.01	<.005	<.006	<.01	<.03	E.01
AUG													
18...	<.01	<.008	<.009	<.01	<.003	E.004n	<.01	<.01	<.005	<.006	<.01	<.03	<.01
SEP													
11...	<.01mc	<.008	<.009	<.01	<.003	<.005	<.01	<.01	<.005	<.006	<.01	<.03	E.01

02336020 CHATTAHOOCHEE RIVER ABOVE ATLANTA ROAD, AT ATLANTA, GA---continued.

Date	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Flumet-sulam, water, fltrd, ug/L (61694)	Fluo-meturon water fltrd 0.7u GF ug/L (38811)	Fonofos oxon, water, fltrd, ug/L (61649)
OCT													
16...	<.03	<.004	<.008	<.03	<.03	<.03	<.009	<.005	<.005	.015	<.01	<.03	<.002
DEC													
03...	<.03	<.004	<.008	<.03	<.03	<.03	<.009	<.005	<.005	<.009	<.01	<.03	<.002
JAN													
15...	<.03	<.004	<.008	<.03	<.03	<.03	<.009	<.005	<.005	E.007	<.01	<.03	<.002
FEB													
18...	<.03	<.004	<.008	<.03	<.03	<.03	<.009	<.005	<.005	E.007	<.01	<.03	<.002
MAR													
21...	<.03	<.004	<.008	<.03	<.03	<.03	<.009	<.005	<.005	E.009	<.01	<.03	<.002
APR													
25...	<.03	<.004	<.008	<.03	<.03	<.03	<.009	<.005	<.005	E.009	<.01	<.03	<.002
MAY													
16...	<.03	<.004	<.008	<.03	<.03	<.03	<.009	<.005	<.005	E.007	<.01	<.03	<.002
JUN													
09...	<.03	<.004	<.031	<.03	<.03	<.03	<.031	<.005	<.007	E.012	<.01	<.03	<.002
27...	<.03	<.004	<.008	<.03	<.03	<.03	<.009	<.005	<.005	<.007	<.01	<.03	<.002
JUL													
23...	<.03	<.004	<.008	<.03	<.03	<.03	<.009	<.005	<.005	E.012	<.01	<.03	<.002
AUG													
18...	<.03	<.004	<.008	<.03	<.03	<.03	<.009	<.005	<.005	<.007	<.01	<.03	<.002
SEP													
11...	<.03	<.004	<.008	<.03	<.03	<.03	<.009	<.005	<.005	E.007	<.01mc	<.03	<.002

Date	Fonofos water, fltrd, ug/L (04095)	Hexa-zinone, water, fltrd, ug/L (04025)	Imaza-quin, water, fltrd, ug/L (50356)	Imaze-thapyr, water, fltrd, ug/L (50407)	Imida-cloprid water, fltrd, ug/L (61695)	Ipro-dione, water, fltrd, ug/L (61593)	Isofen-phos, water, fltrd, ug/L (61594)	Linuron water fltrd 0.7u GF ug/L (38478)	Mala-oxon, water, fltrd, ug/L (61652)	Mala-thion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Meta-laxyl, water, fltrd, ug/L (50359)
OCT													
16...	<.003	--	<.02	<.02	<.007	<1	<.003	<.01	<.008	<.027	.11	<.01	E.01
DEC													
03...	<.003	--	<.02	<.02	<.007	<1	<.003	<.01	<.008	<.027	<.02	<.01	<.02
JAN													
15...	<.003	--	<.02	E.03	<.007	<1	<.003	<.09	<.008	<.027	M	<.01	<.02
FEB													
18...	<.003	--	<.02	<.02	<.007	<1	<.003	<.01	<.008	<.027	.47	<.01	<.02
MAR													
21...	<.003	--	E.02	<.02	<.007	<1	<.003	<.01	<.008	<.027	.32	<.01	<.02
APR													
25...	<.003	--	E.01	<.02	<.007	<1	<.003	<.01	<.008	<.027	.16	<.01	<.02
MAY													
16...	<.003	<.013	M	<.02	E.017	<1	<.003	<.01	<.008	<.027	.08	<.01	<.02
JUN													
09...	<.003	<.013	E.01	<.02	<.007	<1	<.003	<.01	<.008	E.008	.08	<.01	E.01
27...	<.003	<.013	<.02	<.02	<.007	<1	<.003	<.01	<.008	<.027	<.02	<.01	<.02
JUL													
23...	<.003	<.013	E.04	<.02	<.007	<1	<.003	<.01	<.008	E.018n	E.01	<.01	<.02
AUG													
18...	<.003	<.013	<.02	<.02	<.007	<1	<.003	<.01	<.008	<.027	<.02	<.01	<.02
SEP													
11...	<.003	<.013	<.02mc	<.02mc	<.007	<1	<.003	<.01	<.008	<.027	<.02	<.01mc	<.02

02336020 CHATTAHOOCHEE RIVER ABOVE ATLANTA ROAD, AT ATLANTA, GA---continued.

Date	Meta-laxyl, water, fltrd, ug/L (61596)	Methi-althion water, fltrd, ug/L (61598)	Methio-carb, water, fltrd 0.7u GF ug/L (38501)	Meth-omyl, water, fltrd 0.7u GF ug/L (49296)	Methyl para-oxon, water, fltrd, ug/L (61664)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Metsul-furon, water, fltrd, ug/L (61697)	Myclo-butanil water, fltrd, ug/L (61599)	N-(4-Chloro-phenyl) -N'-methyl-urea, ug/L (61692)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nico-sul-furon, water, fltrd, ug/L (50364)
OCT													
16...	.009	<.006	<.008	<.004	<.03	<.006	<.013	<.006	<.03	<.008	<.02	<.01	<.01
DEC													
03...	<.005	<.006	<.008	<.004	<.03	<.006	<.013	<.006	<.03	<.008	<.02	<.01	<.01
JAN													
15...	<.005	<.006	<.008	<.004	<.03	<.006	<.013	<.006	<.03	<.008	<.02	<.01	<.01
FEB													
18...	<.005	<.006	<.008	<.004	<.03	<.006	E.003	E.009	<.03	<.008	<.02	<.01	<.01
MAR													
21...	<.005	<.006	<.008	<.004	<.03	<.006	E.003	<.006	<.03	<.008	<.02	<.01	<.01
APR													
25...	<.005	<.006	<.008	<.004	<.03	<.006	E.004	<.006	<.03	<.035	<.02	<.01	<.01
MAY													
16...	<.005	<.006	<.008	<.004	<.03	<.006	<.013	<.006	<.03	<.008	<.02	<.01	<.01
JUN													
09...	.011	<.006	<.008	<.004	<.03	<.006	<.013	<.006	<.03	.021	<.02	<.01	<.01
27...	<.005	<.006	<.008	<.004	<.03	<.006	<.013	<.006	<.03	<.008	<.02	<.01	<.01
JUL													
23...	<.005	<.006	<.008	<.004	<.03	<.006	E.005t	<.006	E.09	.019	<.02	<.01	<.01
AUG													
18...	<.005	<.006	<.008	<.004	<.03	<.006	<.013	<.006	<.03	<.008	<.02	<.01	<.01
SEP													
11...	<.005	<.006	<.008mc	<.004mc	<.03	<.006	<.013	<.006	<.03mc	<.008	<.02	<.01	<.01

Date	Norflur azon, water, fltrd 0.7u GF ug/L (49293)	Ory-zalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Pic-loram, water, fltrd 0.7u GF ug/L (49291)	Prome-ton, water, fltrd, ug/L (04037)	Prome-tryn, water, fltrd, ug/L (04036)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)	Propham water fltrd 0.7u GF ug/L (49236)
OCT													
16...	<.02	<.02	<.01	<.022	<.10	<.011	<.06	<.008	<.02	E.01	<.005	<.004	<.010
DEC													
03...	<.02	<.02	<.01	<.022	<.10	<.011	<.06	<.008	<.02	E.01	<.005	<.004	<.010
JAN													
15...	<.02	<.02	<.01	<.022	<.10	<.011	<.06	<.008	<.02	M	<.005	<.004	<.010
FEB													
18...	<.02	<.02	<.01	E.017	<.10	<.011	<.06	<.008	<.02	M	<.005	.004	<.010
MAR													
21...	<.02	<.02	<.01	.037	<.10	<.011	<.06	<.008	<.02	E.01	<.005	.006	<.010
APR													
25...	<.02	<.02	<.01	.024	<.10	<.011	<.06	<.008	<.02	E.01	<.005	<.004	<.010
MAY													
16...	<.02	<.02	<.01	E.016	<.10	<.011	<.06	<.008	<.02	E.01	<.005	.005	<.010
JUN													
09...	<.02	<.02	<.01	E.018	<.10	<.011	<.06	<.008	<.02	E.01	<.005	.010	<.010
27...	<.02	<.02	<.01	<.022	<.10	<.011	<.06	<.008	<.02	<.01	<.005	<.004	<.010
JUL													
23...	<.02	<.02	<.01	<.022	<.10	<.011	<.06	<.008	<.02	E.01n	<.005	<.004	<.010
AUG													
18...	<.02	<.02	<.01	<.022	<.10	<.011	<.06	<.008	<.02	Mt	<.005	<.004	<.010
SEP													
11...	<.02mc	<.02	<.01	<.022	<.10	<.011	<.06	<.008	<.02	Mt	<.005	<.004	<.010

02336020 CHATTAHOOCHEE RIVER ABOVE ATLANTA ROAD, AT ATLANTA, GA---continued.

Date	Propi-cona-zole, water, fltrd, ug/L (50471)	Pro-poxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Sima-zine, water, fltrd, ug/L (04035)	Sulfo-met-ruron, water, fltrd, ug/L (50337)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd, ug/L (04032)	Ter-bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Ter-buthyl-azine, water, fltrd, ug/L (04022)	Tri-benuron water, fltrd, ug/L (61159)	Tri-clopyr, water, fltrd 0.7u GF ug/L (49235)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)
OCT													
16...	<.02	<.008	<.02	.740	<.009	<.02	<.010	<.07	<.02	<.01	--u	.03	<.009
DEC													
03...	<.02	<.008	<.02	.150	<.009	<.02	<.010	<.07	<.02	<.01	--u	<.02	<.009
JAN													
15...	<.02	<.008	<.02	.202	<.009	<.02	<.010	<.07	<.02	E.01	--u	<.02	<.009
FEB													
18...	<.02	<.008	<.02	.423	<.009	<.02	<.010	<.07	<.02	<.01	--u	.06	<.009
MAR													
21...	<.02	<.008	<.02	.367	<.009	.03	<.010	<.07	<.02	<.01	--u	.04	<.009
APR													
25...	<.02	<.008	<.02	.115	<.009	.03	<.010	<.07	<.02	<.01	--u	.03	E.005
MAY													
16...	<.02	<.008	<.02	.036	E.009	<.02	<.010	<.07	<.02	<.01	--u	.03	<.009
JUN													
09...	<.02	<.008	<.02	.047	<.009	<.02	<.010	<.07	<.02	<.01	--u	<.02	<.009
27...	<.02	<.008	<.02	.025	<.009	<.02	<.010	<.07	<.02	<.01	--u	<.02	<.009
JUL													
23...	<.02	<.008	<.02	.025	<.009	<.02	<.010	<.07	<.02	<.01	--u	<.02	<.009
AUG													
18...	<.02	<.008	<.02	.020	<.009	E.01t	<.010	<.07	<.02	<.01	--u	E.01	<.009
SEP													
11...	<.02	<.008	<.02	.037	<.009	<.02	<.010mc	<.07	<.02	<.01	--u	<.02	<.009

Date	1,1,1,2-Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3,4 Tetra-methyl-benzene water unfltrd ug/L (49999)	1,2,3,5 Tetra-methyl-benzene water unfltrd ug/L (50000)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)	1,2,3-Tri-chloro-propane water unfltrd ug/L (77443)	1,2,3-Tri-methyl-benzene water unfltrd ug/L (77221)
OCT													
16...	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1
DEC													
03...	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1
JAN													
15...	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1
FEB													
18...	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1
MAR													
21...	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1
APR													
25...	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1
MAY													
16...	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1
JUN													
09...	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1
27...	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
18...	<.03b	<.03b	<.09b	<.06b	<.06n	<.04b	<.04n	<.05b	<.2	<.2	<.3	<.16	<.1
SEP													
11...	<.03b	<.03b	<.09b	<.06b	<.06n	<.04b	<.04n	<.05b	<.2	<.2	<.3	<.16b	<.1

02336020 CHATTAHOOCHEE RIVER ABOVE ATLANTA ROAD, AT ATLANTA, GA---continued.

Date	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)
OCT													
16...	<.1	E.06	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.04
DEC													
03...	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.04
JAN													
15...	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.04
FEB													
18...	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.04
MAR													
21...	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	E.01	<.05	<.04
APR													
25...	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.04
MAY													
16...	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.04
JUN													
09...	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.04
27...	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.04
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
18...	<.1	E.04n	<.5	<.04b	<.03n	<.1	<.03b	<.04b	<.03b	<.1	<.05b	<.05b	<.04b
SEP													
11...	<.1	<.06b	<.5	<.04b	<.03n	<.1	<.03b	<.04b	<.03b	<.1	<.05b	<.05b	<.04b

Date	2-Ethyltoluene water unfltrd ug/L (77220)	3-Chloropropene water unfltrd ug/L (78109)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromoethene, water, unfltrd ug/L (50002)	Bromomethane water unfltrd ug/L (34413)	Carbon disulfide water unfltrd ug/L (77041)
OCT													
16...	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	E.03	<.1	<.3	<.07
DEC													
03...	<.06	<.12	<.05	<.12	<7	<1	E.02	<.04	<.12	E.04	<.1	<.3	<.07
JAN													
15...	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	E.02	<.1	<.3	<.07
FEB													
18...	<.06	<.12	<.05	<.12	<7	<1	E.01	<.04	<.12	<.05	<.1	<.3	<.07
MAR													
21...	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07
APR													
25...	<.06	<.12	<.05	<.12	E1	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07
MAY													
16...	<.06	<.12	<.05	<.12	E2	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07
JUN													
09...	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07
27...	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05	<.1	<.3mc	<.07
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
18...	E.01t	<.12	<.05b	<.12	<7	<1	E.02n	<.04b	<.12	<.05b	<.1	<.3mc	<.07b
SEP													
11...	<.06b	<.12	<.05b	<.12	<7	<1	<.04b	<.04b	<.12	<.05b	<.1	<.3mc	<.07b

02336020 CHATTAHOOCHEE RIVER ABOVE ATLANTA ROAD, AT ATLANTA, GA---continued.

Date	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)
OCT													
16...	<.03	<.1	<.2	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0
DEC													
03...	<.03	<.1	<.2	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0
JAN													
15...	<.03	<.1	<.2	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0
FEB													
18...	<.03	<.1	<.2	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0
MAR													
21...	<.03	<.1	<.2	<.04	<.09	<.2	<.05	<.18	M	<.2	<.10	<.2	<5.0
APR													
25...	<.03	<.1	<.2	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0
MAY													
16...	<.03	<.1	<.2	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0
JUN													
09...	<.03	<.1	<.2	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0
27...	<.03	<.1	<.2mc	<.04	<.09	<.2	<.05	<.18mc	<.2	<.2	<.10	<.2	<5.0
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
18...	<.03b	<.1	<.2mc	<.04b	<.09b	<.2	<.05b	<.18mc	<.2	<.2	<.10	<.2	<5.0
SEP													
11...	<.03b	<.1	<.2mc	<.04b	<.09b	<.2	<.05b	<.18mc	<.2	<.2	<.10	<.2b	<5.0

Date	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)
OCT													
16...	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7
DEC													
03...	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7
JAN													
15...	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7
FEB													
18...	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7
MAR													
21...	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7
APR													
25...	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7
MAY													
16...	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7
JUN													
09...	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	E.01	<.5	<.7
27...	<.03	<.1	<.2	<.35mc	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
18...	<.03b	<.1	<.2	<.35mc	<.4b	<.06b	<.6	<2.0	<.3	<.08b	E.08b	<.5	<.7b
SEP													
11...	<.03b	<.1	<.2	<.35mc	<.4b	<.06b	<.6	<2.0	<.3b	<.08b	<.06b	<.5	<.7b

02336020 CHATTAHOOCHEE RIVER ABOVE ATLANTA ROAD, AT ATLANTA, GA--- continued.

Date	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)
OCT													
16...	<.2	<.04	<.07	<.06	<.04	<.05	M	<.10	<.03	<.06	<2	.10	<.03
DEC													
03...	<.2	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	E.04	<.03
JAN													
15...	<.2	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	<.03
FEB													
18...	<.2	<.04	<.07	<.06	<.04	<.05	M	<.10	<.03	<.06	<2	E.04	<.03
MAR													
21...	<.2	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	M	E.02	<.03
APR													
25...	<.2	<.04	<.07	<.06	<.04	<.05	M	<.10	<.03	<.06	<2	E.05	<.03
MAY													
16...	<.2	<.04	<.07	<.06	<.04	<.05	M	<.10	<.03	<.06	<2	E.08	<.03
JUN													
09...	<.2	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	E.01	<.03
27...	<.2	<.04	<.07	<.06	<.04	<.05	E.1	<.10	<.03	<.06	<2	E.05	<.03
JUL													
23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
18...	<.2	<.04b	E.04t	<.06b	<.04b	<.05b	E.1n	<.10	<.03b	<.06b	<2	E.05n	<.03b
SEP													
11...	<.2	<.04b	<.07b	<.06b	<.04b	<.05b	<.2	<.10	<.03b	<.06b	<2	E.02n	<.03b

Date	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Di-chlor-vos, water fltrd, ug/L (38775)	Sample purpose code (71999)	Sampler type, code (84164)
OCT										
16...	<.09	<.7	<.10	<.04	<.09	E.09	<.1	<.01	15.00	--
DEC										
03...	<.09	<.7	<.10	<.04	<.09	.12	<.1	<.01	15.00	3070
JAN										
15...	<.09	<.7	<.10	<.04	<.09	E.08	<.1	<.01	15.00	3070
FEB										
18...	<.09	<.7	<.10	<.04	<.09	E.02	<.1	<.01	15.00	3070
MAR										
21...	<.09	<.7	<.10	<.04	<.09	E.03	<.1	<.01	15.00	3070
APR										
25...	<.09	<.7	<.10	<.04	<.09	E.02	<.1	<.01	15.00	3070
MAY										
16...	<.09	<.7	<.10	<.04	<.09	E.02	<.1	<.01	15.00	3060
JUN										
09...	<.09	<.7	<.10	<.04	<.09	E.03	<.1	<.01	15.00	3070
27...	<.09	<.7	<.10	<.04	<.09	E.02	<.1	<.01	15.00	3060
JUL										
23...	--	--	--	--	--	--	--	<.01	15.00	3060
AUG										
18...	<.09b	<.7b	<.10	<.04b	<.09b	E.02n	<.1	<.01	15.00	3060
SEP										
11...	<.09b	<.7b	<.10	<.04b	<.09b	E.02n	<.1	<.01	15.00	3060

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this report:
   b -- Value was extrapolated below
   c -- See laboratory comment
   k -- Counts outside acceptable range
   m -- Highly var comp using method, ? prec
   n -- Below the NDV
   t -- Below the long-term MDL

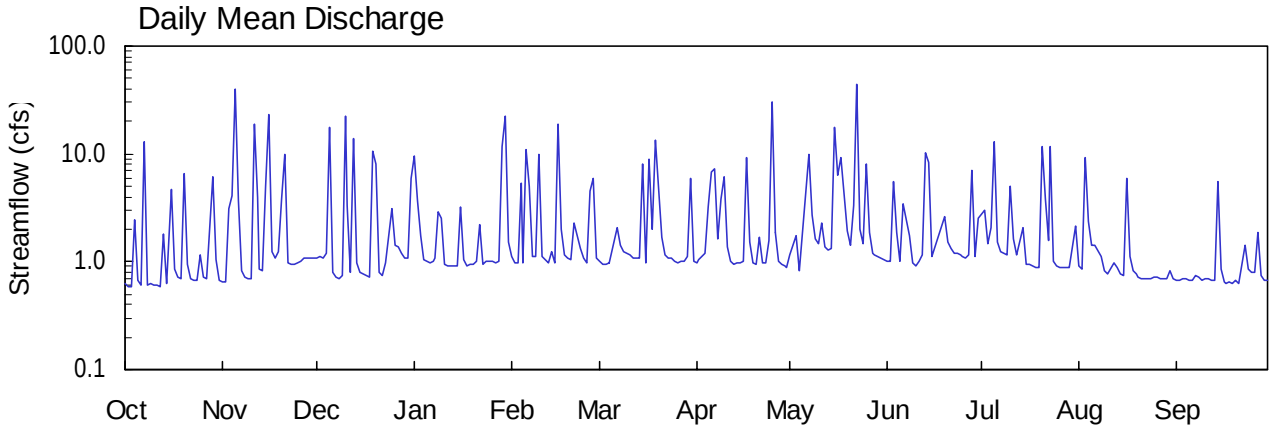
Null value qualifier codes used in this report:
   u -- Unable to determine-matrix interference

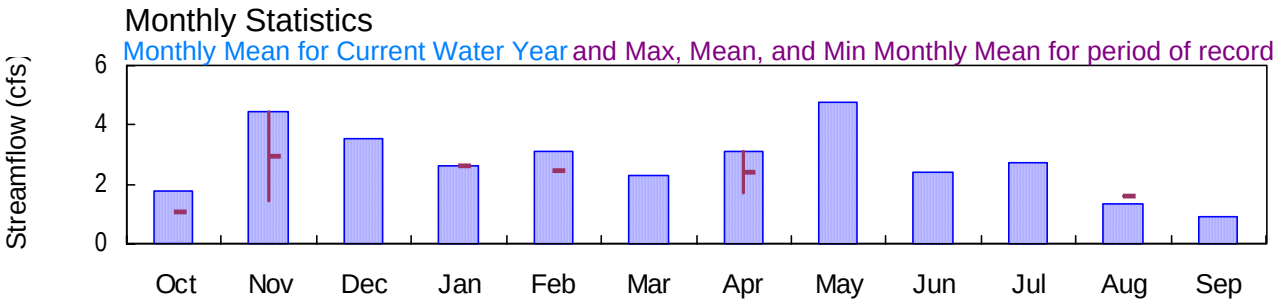
2003 Water Year

02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA

Latitude: 33°54'20" Longitude: 084°13'30" Hydrologic Unit Code: 03130001 GwinnettCounty

Drainage Area: 1.42 mi^2 Datum: 950.0 feet





APALACHICOLA RIVER BASIN
2003 Water Year

02336030 NORTH FORK PEACHTREE CREEK AT GRAVES ROAD, NEAR DORAVILLE, GA

LOCATION.—Lat 33°54'20", long 84°13'30" referenced to North American Datum (NAD) of 1927, Hydrologic Unit Code 03130001, Gwinnett County, at bridge at Graves Road, 0.3 miles east of Interstate 85.

DRAINAGE AREA.—1.42 square miles.

COOPERATION.— Gwinnett County Department of Public Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 8, 2001 to current year

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 850.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair. Streamflow published only up to 250 cfs.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 8, 2001 to current year

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 850.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 9.32 feet, June 17; minimum gage-height recorded, 1.43 feet, October 2, 3, 6, 12, 13.

PRECIPITATION RECORDS

PERIOD OF RECORD.—June 9, 2001 to current year

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42* CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.62	0.64	1.1	9.6	1.1	1.0	0.99	1.2	1.0	---	0.92	0.68
2	0.59	0.64	1.1	3.7	0.99	0.96	1.0	---	1.0	3.0	0.86	0.67
3	0.60	3.1	1.1	1.7	0.98	0.93	1.1	1.8	5.6	1.5	9.3	0.69
4	2.4	4.1	1.2	1.0	5.4	0.96	1.2	0.81	1.9	2.1	2.4	0.69
5	0.68	40	18	1.0	0.97	---	3.2	---	1.00	13	1.4	0.68
6	0.60	3.7	0.81	0.99	11	---	6.7	---	3.4	1.5	1.4	0.67
7	13	0.82	0.73	1.0	5.0	2.1	7.3	9.8	---	1.2	---	0.73
8	0.61	0.71	0.70	1.1	1.1	1.4	1.6	2.8	1.7	1.2	1.1	0.72
9	0.63	0.70	0.75	2.9	1.1	1.3	3.8	1.7	0.99	1.2	0.82	0.67
10	0.60	0.70	22	2.5	10	1.2	6.2	1.5	0.91	5.1	0.77	0.69
11	0.61	19	3.3	0.94	1.1	1.2	1.4	2.3	1.00	1.6	---	0.69
12	0.59	4.0	0.81	0.91	1.0	1.1	1.0	1.4	1.1	1.2	0.97	0.67
13	1.8	0.84	14	0.91	0.97	1.1	0.96	1.3	10	---	0.88	0.67
14	0.62	0.82	0.98	0.92	1.2	1.1	0.97	1.3	8.2	2.0	0.76	5.5
15	---	5.0	0.78	0.93	0.97	8.1	0.98	18	1.1	0.96	0.74	0.85
16	4.7	23	0.76	3.2	19	0.98	0.99	6.4	---	0.96	6.0	0.66
17	0.84	1.2	0.75	1.1	2.0	9.0	9.2	9.2	---	0.91	1.1	0.63
18	0.73	1.1	0.72	0.90	1.2	2.0	1.5	---	---	0.88	0.82	0.65
19	0.71	1.3	11	0.96	1.1	13	0.97	1.9	2.6	0.88	0.76	0.63
20	6.5	3.8	7.9	0.96	1.1	---	0.96	1.4	1.5	12	0.72	0.66
21	0.96	9.8	0.78	1.0	2.3	1.7	1.7	3.4	1.3	3.8	0.70	0.63
22	0.69	0.97	0.74	2.2	---	1.2	0.98	44	1.2	1.6	0.70	---
23	0.67	0.96	0.98	0.95	1.3	1.1	0.96	2.0	1.2	12	0.69	1.4
24	0.67	0.93	---	1.00	1.1	1.1	1.6	1.5	1.1	1.0	0.69	0.84
25	1.1	0.97	3.1	1.0	0.98	1.0	31	8.2	1.1	0.92	0.73	0.79
26	0.72	0.99	1.4	0.99	4.5	0.98	1.9	1.9	1.1	0.89	0.71	0.79
27	0.69	1.1	1.4	0.99	5.9	1.00	1.0	1.2	1.2	0.89	0.69	1.9
28	---	1.1	1.2	1.0	1.1	1.0	0.95	1.1	7.1	0.89	0.69	0.75
29	6.1	1.1	1.1	12	---	1.1	0.92	1.1	1.1	0.88	0.71	0.67
30	1.1	1.1	1.1	22	---	5.9	0.89	1.1	2.6	---	0.83	0.67
31	0.66	---	5.9	1.5	---	1.0	---	1.0	---	2.1	0.69	---
TOTAL	---	134.19	---	81.85	---	---	93.92	---	---	---	---	---
MEAN	---	4.47	---	2.64	---	---	3.13	---	---	---	---	---
MAX	---	40	---	22	---	---	31	---	---	---	---	---
MIN	---	0.64	---	0.90	---	---	0.89	---	---	---	---	---
MED	---	1.1	---	1.0	---	---	1.1	---	---	---	---	---
AC-FT	---	266	---	162	---	---	186	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	1.09	2.97	---	2.64	2.48	---	2.42	---	---	---	1.63	---
MAX	1.09	4.47	---	2.64	2.48	---	3.13	---	---	---	1.63	---
(WY)	2002	2003	---	2003	2002	---	2003	---	---	---	2001	---
MIN	1.09	1.47	---	2.64	2.48	---	1.72	---	---	---	1.63	---
(WY)	2002	2002	---	2003	2002	---	2002	---	---	---	2001	---

SUMMARY STATISTICS WATER YEARS 2001 - 2003

HIGHEST DAILY MEAN	44	May 22 2003
LOWEST DAILY MEAN	0.22	Aug 8 2002
ANNUAL SEVEN-DAY MINIMUM	0.22	Sep 4 2002
MAXIMUM PEAK STAGE	9.32	Jun 17 2003

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42* CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.45	1.48	1.55	1.70	1.50	1.49	1.49	1.50	1.58	2.58	1.56	1.54
2	1.44	1.48	1.55	1.59	1.49	1.49	1.50	1.67	1.58	1.72	1.55	1.54
3	1.44	1.56	1.55	1.53	1.49	1.49	1.51	1.53	1.74	1.62	1.72	1.55
4	1.52	1.62	1.55	1.50	1.62	1.49	1.51	1.47	1.64	1.65	1.65	1.54
5	1.45	2.16	1.84	1.49	1.49	1.86	1.58	2.06	1.57	1.78	1.58	1.54
6	1.44	1.62	1.51	1.49	1.76	2.15	1.63	2.36	1.70	1.63	1.61	1.54
7	1.72	1.51	1.49	1.50	1.64	1.56	1.71	1.87	2.10	1.60	1.75	1.55
8	1.44	1.49	1.49	1.50	1.50	1.52	1.53	1.71	1.64	1.60	1.61	1.55
9	1.45	1.49	1.50	1.56	1.50	1.51	1.61	1.64	1.57	1.60	1.57	1.54
10	1.44	1.49	1.89	1.56	1.77	1.51	1.69	1.62	1.56	1.72	1.56	1.55
11	1.44	1.84	1.61	1.49	1.50	1.51	1.52	1.66	1.57	1.64	1.71	1.55
12	1.44	1.63	1.51	1.48	1.50	1.50	1.49	1.62	1.58	1.60	1.59	1.54
13	1.51	1.51	1.86	1.48	1.49	1.50	1.49	1.61	1.74	1.71	1.58	1.54
14	1.45	1.51	1.53	1.49	1.51	1.50	1.49	1.61	1.70	1.65	1.56	1.64
15	2.40	1.59	1.50	1.49	1.49	1.70	1.49	1.91	1.59	1.57	1.55	1.57
16	1.64	2.03	1.50	1.57	1.95	1.49	1.49	1.75	1.75	1.57	1.69	1.54
17	1.48	1.56	1.50	1.50	1.55	1.73	1.68	1.75	2.26	1.56	1.60	1.53
18	1.47	1.54	1.49	1.48	1.51	1.55	1.52	2.02	2.20	1.56	1.57	1.54
19	1.46	1.55	1.65	1.49	1.50	1.79	1.49	1.66	1.71	1.56	1.56	1.53
20	1.61	1.62	1.68	1.49	1.50	2.01	1.49	1.62	1.63	1.69	1.55	1.54
21	1.49	1.77	1.50	1.49	1.54	1.53	1.52	1.67	1.61	1.68	1.55	1.53
22	1.46	1.53	1.50	1.55	2.01	1.51	1.49	2.16	1.60	1.61	1.55	1.95
23	1.46	1.53	1.50	1.49	1.52	1.50	1.49	1.67	1.60	1.83	1.55	1.62
24	1.46	1.53	2.35	1.49	1.50	1.50	1.52	1.62	1.59	1.58	1.54	1.56
25	1.50	1.53	1.59	1.49	1.49	1.50	2.05	1.71	1.59	1.56	1.55	1.55
26	1.46	1.53	1.53	1.49	1.61	1.49	1.54	1.65	1.59	1.56	1.55	1.55
27	1.46	1.54	1.52	1.49	1.67	1.49	1.49	1.60	1.59	1.56	1.54	1.61
28	1.80	1.54	1.51	1.49	1.50	1.49	1.49	1.59	1.74	1.56	1.55	1.55
29	1.69	1.54	1.50	1.78	---	1.50	1.49	1.59	1.59	1.56	1.55	1.54
30	1.52	1.55	1.50	1.98	---	1.66	1.48	1.59	1.67	1.84	1.56	1.54
31	1.48	---	1.64	1.53	---	1.49	---	1.58	---	1.63	1.55	---
MEAN	1.53	1.60	1.59	1.54	1.57	1.58	1.55	1.71	1.69	1.66	1.59	1.57
MAX	2.40	2.16	2.35	1.98	2.01	2.15	2.05	2.36	2.26	2.58	1.75	1.95
MIN	1.44	1.48	1.49	1.48	1.49	1.49	1.48	1.47	1.56	1.56	1.54	1.53

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42* CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.43	0.00	0.01	0.00	0.05	0.00	3.14	0.01	0.00
2	0.00	0.00	0.01	0.17	0.00	0.00	0.00	0.60	0.00	0.01	0.00	0.00
3	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.63	0.00
4	0.20	0.16	0.10	0.01	0.26	0.02	0.03	0.01	0.11	0.08	0.00	0.00
5	0.00	2.07	0.88	0.00	0.00	1.50	0.18	2.26	0.00	0.83	0.16	0.00
6	0.30	0.00	0.00	0.00	0.61	1.12	0.37	1.86	0.36	0.01	0.14	0.00
7	0.35	0.00	0.00	0.00	0.11	0.00	0.25	0.44	1.49	0.01	0.73	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.01	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.18	0.16	0.00	0.19	0.00	0.02	0.00	0.00	0.00
10	0.00	0.01	1.31	0.05	0.29	0.00	0.21	0.00	0.00	0.46	0.01	0.00
11	0.01	1.10	0.02	0.00	0.00	0.00	0.00	0.12	0.08	0.00	0.52	0.00
12	0.01	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.02	0.00
13	0.17	0.00	0.71	0.00	0.00	0.00	0.00	0.00	0.67	0.57	0.04	0.00
14	0.02	0.00	0.00	0.00	0.06	0.00	0.00	0.01	0.39	0.02	0.00	0.42
15	2.83	0.51	0.01	0.00	0.00	0.45	0.03	1.11	0.01	0.00	0.00	0.00
16	0.02	0.94	0.00	0.19	0.91	0.00	0.00	0.09	1.68	0.02	0.47	0.00
17	0.00	0.00	0.00	0.00	0.04	0.45	0.56	0.53	0.84	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.88	1.53	0.00	0.00	0.00
19	0.00	0.04	0.87	0.00	0.00	0.81	0.01	0.01	0.05	0.00	0.04	0.00
20	0.45	0.30	0.03	0.00	0.00	0.82	0.00	0.01	0.00	0.88	0.00	0.00
21	0.01	0.41	0.00	0.06	0.13	0.00	0.06	0.47	0.00	0.07	0.00	0.00
22	0.00	0.00	0.00	0.08	0.85	0.00	0.00	1.16	0.00	0.15	0.00	1.67
23	0.01	0.00	0.09	0.00	0.05	0.00	0.00	0.00	0.00	0.65	0.00	0.00
24	0.00	0.00	2.36	0.00	0.03	0.00	0.13	0.00	0.00	0.00	0.00	0.00
25	0.07	0.00	0.03	0.00	0.02	0.00	1.47	0.44	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.27	0.01	0.00	0.01	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.05	0.00	0.00	0.16
28	1.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.02	0.00
29	0.23	0.00	0.00	0.64	---	0.08	0.00	0.00	0.00	0.00	0.02	0.00
30	0.01	0.00	0.00	0.91	---	0.30	0.00	0.00	0.23	1.06	0.04	0.00
31	0.00	---	0.34	0.02	---	0.00	---	0.00	---	0.11	0.00	---
TOTAL	5.96	5.98	6.76	2.74	4.00	5.63	3.57	10.07	8.48	8.07	2.85	2.25

APALACHICOLA RIVER BASIN
2003 Water Year

02336030 NORTH FORK PEACHTREE CREEK AT GRAVES ROAD, NEAR DORAVILLE, GA

LOCATION.—Lat 33°54'20", long 84°13'30" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit Code 03130001, at bridge at Graves Road, 0.3 miles east of Interstate 85.

DRAINAGE AREA.—1.42 square miles.

COOPERATION.—Gwinnett County Department of Public Utilities.

PERIOD OF RECORD.—June 20, 2001 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: June 20, 2001 to current year.
WATER TEMPERATURE: June 20, 2001 to current year.
TURBIDITY: June 20, 2001 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good, except for specific conductance and turbidity, which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum recorded, 1,370 microsiemens, January 3, 2002; minimum recorded, 12 microsiemens, July 25, 2001, May 4, 2002.
WATER TEMPERATURE: Maximum recorded, 28.5°C, August 16, 2003; minimum recorded, 1.2°C, January 24, 2003.
TURBIDITY: Maximum recorded, 1,541 NTU, February 17, 2002; minimum recorded, <2.0 NTU, on several days.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum, 195 microsiemens, September 11; minimum, 15 microsiemens, June 7.
WATER TEMPERATURE: Maximum, 28.5°C, August 16; minimum, 1.2°C, January 24.
TURBIDITY: Maximum, 954 NTU, May 5; minimum, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42 CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	95	90	92	98	95	96	114	109	111	88	23	64
2	---	---	---	96	95	96	117	114	115	104	57	89
3	---	---	---	96	48	88	115	112	114	95	63	84
4	113	36	91	86	45	65	118	112	114	100	95	98
5	90	74	84	91	19	52	118	22	64	100	98	99
6	94	60	92	89	41	73	104	85	96	102	98	99
7	73	29	56	104	89	98	113	104	109	108	99	102
8	93	73	87	102	100	101	113	108	110	101	99	100
9	101	93	94	104	100	101	108	103	106	103	58	97
10	99	94	96	103	102	102	108	23	80	95	77	87
11	107	96	99	104	20	61	93	41	74	123	95	101
12	104	97	101	86	54	72	102	93	99	123	98	111
13	99	73	92	97	86	93	101	27	56	102	98	100
14	101	96	97	102	97	100	98	71	89	102	98	100
15	---	---	---	104	33	99	101	98	100	104	100	101
16	---	---	---	74	23	47	104	101	102	108	59	95
17	---	---	---	94	74	87	104	100	102	100	83	96
18	---	---	---	100	94	97	103	101	102	109	100	102
19	99	96	97	103	97	100	107	21	95	102	99	100
20	97	26	80	103	56	97	90	22	67	101	99	99
21	89	58	77	84	33	59	102	90	96	107	97	100
22	100	89	95	102	84	95	100	99	100	119	87	105
23	101	97	98	110	102	106	104	90	101	103	99	101
24	100	97	98	110	108	109	---	---	---	103	100	101
25	100	86	96	110	105	108	---	---	---	101	98	99
26	100	98	99	111	106	107	---	---	---	99	98	98
27	99	98	99	111	106	108	---	---	---	102	98	99
28	101	23	76	109	107	108	105	102	103	103	99	100
29	77	41	61	110	108	109	105	104	104	102	36	86
30	91	60	80	110	108	109	107	104	105	79	26	53
31	99	91	95	---	---	---	106	42	91	97	79	90
MONTH	---	---	---	111	19	91	---	---	---	123	23	95

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42 CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	102	96	98	102	101	101	97	93	95	109	99	103
2	110	98	100	103	101	102	99	94	95	103	29	90
3	104	98	100	105	102	103	108	94	100	94	48	77
4	102	34	79	107	102	103	107	102	103	98	94	96
5	105	92	99	108	21	93	110	63	92	100	18	76
6	106	33	80	84	18	53	---	---	---	69	18	48
7	87	35	65	105	84	96	---	---	---	87	42	68
8	97	87	93	105	101	103	---	---	---	97	51	81
9	99	73	98	103	102	103	---	---	---	102	97	100
10	74	31	50	106	103	104	---	---	---	105	102	104
11	85	74	81	105	103	104	---	---	---	107	75	99
12	91	85	87	104	102	103	---	---	---	103	97	101
13	92	88	90	108	103	104	---	---	---	105	103	104
14	93	89	91	105	102	103	---	---	---	107	103	104
15	94	91	91	104	42	74	106	102	103	105	26	64
16	---	---	---	99	91	97	109	102	104	92	40	73
17	---	---	---	100	37	74	109	36	89	99	27	82
18	---	---	---	103	75	90	94	60	82	72	22	51
19	---	---	---	96	30	70	99	94	97	95	64	84
20	---	---	---	66	21	45	100	98	99	101	95	99
21	---	---	---	89	66	80	102	95	99	103	32	97
22	---	---	---	92	89	91	110	101	105	74	21	48
23	---	---	---	94	92	93	111	108	110	98	74	90
24	---	---	---	113	94	99	113	96	110	109	98	101
25	---	---	---	114	99	106	98	18	40	104	49	95
26	---	---	---	103	97	99	73	41	59	97	64	86
27	85	45	67	98	97	97	88	73	80	104	97	101
28	102	85	96	100	97	98	99	88	94	104	101	102
29	---	---	---	102	97	98	101	99	100	104	101	102
30	---	---	---	102	48	68	103	101	101	109	102	105
31	---	---	---	97	81	89	---	---	---	105	103	104
MONTH	---	---	---	114	18	92	---	---	---	109	18	88

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42 CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	103	101	102	80	16	37	70	53	64	98	95	98
2	103	101	102	89	50	72	72	70	71	99	97	98
3	104	45	78	96	89	94	---	---	---	99	96	98
4	92	73	83	98	65	90	---	---	---	98	97	98
5	100	92	97	96	23	72	---	---	---	102	98	99
6	101	54	89	92	66	83	---	---	---	100	97	98
7	68	15	42	98	92	96	97	23	79	99	95	97
8	90	44	71	102	97	99	86	56	75	99	95	97
9	97	90	95	103	97	99	92	86	90	98	96	97
10	101	97	99	100	39	86	94	91	93	100	96	97
11	111	96	99	92	58	80	96	41	80	195	97	128
12	99	82	95	97	92	95	98	64	80	100	98	98
13	96	23	74	104	30	91	98	88	93	98	96	97
14	88	22	66	86	45	73	98	94	95	97	52	92
15	91	57	78	96	86	92	102	95	97	92	84	90
16	113	17	93	101	94	95	98	40	86	98	92	95
17	75	17	51	97	94	95	85	55	73	99	95	97
18	82	16	49	98	95	96	98	85	92	98	96	97
19	91	58	79	96	95	95	100	95	97	97	96	96
20	100	91	96	95	33	87	102	97	99	97	94	96
21	101	99	100	84	43	65	105	100	102	96	94	95
22	101	99	100	89	63	78	104	101	102	105	16	73
23	101	99	100	139	24	63	104	101	102	81	49	67
24	100	99	99	90	79	86	103	100	102	96	81	89
25	101	99	100	95	90	93	104	97	101	105	92	97
26	102	99	100	96	93	94	102	99	100	102	95	97
27	102	99	99	96	93	94	100	97	98	98	60	92
28	106	38	75	104	94	99	100	97	98	94	88	92
29	96	86	92	103	94	97	110	97	99	97	94	96
30	100	60	91	95	24	55	102	96	98	98	95	96
31	---	---	---	69	46	58	99	97	98	---	---	---
MONTH	113	15	86	139	16	84	---	---	---	195	16	95

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42 CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.6	20.0	21.0	14.3	12.5	13.3	9.7	7.0	7.8	12.7	11.6	12.2
2	22.9	20.3	21.4	13.1	11.4	12.4	9.6	6.3	7.9	13.0	11.9	12.3
3	22.6	20.3	21.3	14.8	12.1	13.0	11.1	7.8	9.5	11.9	7.8	9.9
4	24.2	20.4	21.6	14.5	13.4	14.0	10.8	7.9	9.5	8.5	6.6	7.6
5	23.6	21.5	22.2	14.1	12.4	13.7	8.5	2.9	6.9	10.4	7.4	8.9
6	22.9	20.6	21.6	14.3	12.3	13.8	8.5	7.0	7.8	9.4	7.4	8.6
7	22.7	20.9	21.9	13.3	11.4	12.3	8.6	6.1	7.3	8.2	6.3	7.3
8	20.9	18.6	20.1	13.8	11.1	12.5	9.3	6.6	8.0	10.1	6.9	8.5
9	18.6	17.6	18.1	15.7	12.4	14.0	9.9	8.4	9.1	13.4	9.2	10.9
10	19.0	18.0	18.5	18.0	15.7	16.9	9.5	7.3	8.6	12.4	8.3	10.7
11	20.9	18.9	19.6	18.1	17.0	17.5	10.4	8.0	9.6	8.3	6.2	7.2
12	21.7	19.2	20.3	17.5	14.6	16.3	10.7	9.5	10.0	7.1	5.3	6.3
13	22.1	19.4	21.0	14.6	12.4	13.2	10.2	6.9	9.0	7.9	6.1	6.9
14	19.4	17.6	18.6	13.2	10.9	12.1	9.3	8.0	8.8	9.1	6.2	7.5
15	17.6	12.9	15.1	15.2	11.2	12.9	9.8	7.5	8.5	7.6	5.6	6.6
16	17.1	15.0	16.1	14.2	12.9	13.8	11.2	7.9	9.5	8.6	5.3	6.5
17	15.7	14.2	14.9	12.9	9.8	11.2	11.5	9.6	10.4	7.2	4.4	5.8
18	15.6	13.1	14.4	11.9	8.8	10.3	11.2	9.6	10.3	5.1	2.9	4.1
19	16.2	13.6	15.0	13.2	10.7	12.1	13.7	10.1	11.2	6.4	4.2	5.2
20	19.4	15.3	16.9	14.0	12.0	12.7	13.5	9.8	11.5	9.7	5.3	7.4
21	18.6	17.4	18.0	14.1	11.7	12.9	10.4	8.3	9.3	12.7	9.7	11.4
22	17.8	16.4	17.2	12.8	9.2	11.1	12.1	8.8	10.5	12.3	9.2	10.9
23	16.6	15.9	16.3	10.5	8.3	9.4	12.0	8.6	10.3	9.2	2.0	5.3
24	17.3	15.8	16.4	11.9	8.9	10.4	12.0	8.1	9.8	4.2	1.2	2.7
25	17.1	15.8	16.4	12.3	9.5	11.0	10.9	7.3	9.0	6.4	3.4	4.8
26	17.5	16.2	16.8	13.2	9.7	11.5	8.4	6.5	7.4	7.7	5.8	6.6
27	18.0	16.6	17.4	13.2	8.7	11.0	8.5	6.3	7.4	6.5	4.1	5.4
28	20.5	17.9	18.8	9.0	7.5	8.2	9.1	6.6	7.9	8.8	4.3	6.5
29	20.1	17.9	19.2	9.7	7.1	8.4	10.5	7.6	9.0	11.1	8.8	9.7
30	18.3	15.5	17.4	11.3	9.7	10.3	11.1	8.2	9.7	10.6	9.9	10.2
31	15.5	13.7	14.6	---	---	---	13.2	10.4	11.4	11.1	9.5	10.1
MONTH	24.2	12.9	18.3	18.1	7.1	12.4	13.7	2.9	9.1	13.4	1.2	7.9

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42 CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	11.0	8.9	9.8	11.5	10.7	11.2	16.5	9.6	12.9	21.2	17.4	19.0
2	12.1	8.1	10.1	13.3	10.4	11.7	18.0	12.5	15.0	21.4	17.5	19.0
3	13.0	9.6	11.4	12.3	8.5	10.4	18.5	13.2	15.7	19.1	17.1	17.9
4	14.8	9.7	11.9	13.3	9.3	11.4	19.3	14.8	16.7	20.5	16.4	18.3
5	10.3	7.3	8.7	14.3	12.4	13.2	18.5	16.2	17.0	21.0	17.8	18.8
6	10.1	5.7	8.2	13.8	12.8	13.3	18.1	14.8	16.3	19.6	18.2	18.7
7	8.6	5.9	7.5	15.5	12.0	13.5	17.1	15.2	16.2	21.2	18.2	19.3
8	8.0	5.7	6.9	14.5	11.9	13.1	15.2	13.6	14.3	21.1	19.0	19.9
9	10.1	6.7	8.3	17.4	12.8	14.5	14.1	12.2	13.0	21.9	18.8	20.0
10	10.4	7.6	8.7	15.5	11.2	13.1	12.2	10.7	11.4	22.3	18.9	20.4
11	10.4	6.6	8.4	15.3	10.2	12.6	14.1	10.8	12.4	20.4	18.3	19.5
12	11.4	8.1	9.3	16.8	10.9	13.7	17.6	11.3	14.2	20.5	17.0	18.3
13	10.7	7.1	8.8	17.7	13.5	15.4	18.6	12.8	15.4	20.2	15.8	17.8
14	10.7	8.2	9.5	15.8	13.6	14.7	19.1	13.2	16.0	18.1	16.6	17.3
15	13.7	9.9	11.7	13.6	11.0	12.3	19.8	14.9	17.0	19.7	16.9	18.4
16	13.4	6.2	9.1	16.0	12.6	13.8	19.4	15.3	17.1	21.3	18.6	19.7
17	8.9	7.0	7.9	14.6	13.4	14.0	19.4	15.6	17.4	23.8	18.6	20.2
18	9.9	7.3	8.3	15.3	14.1	14.7	19.6	16.0	17.8	20.6	18.2	19.1
19	11.1	7.3	9.2	15.3	14.1	14.9	17.8	14.9	16.1	18.2	16.5	17.2
20	13.4	9.8	11.3	14.2	12.9	13.5	17.3	16.0	16.5	18.4	16.1	17.1
21	12.3	11.0	11.5	17.8	13.6	15.1	18.4	16.2	17.0	19.5	17.3	18.1
22	15.1	11.2	13.1	16.5	12.5	14.5	18.3	14.9	16.3	19.2	17.8	18.4
23	13.0	9.7	11.2	16.9	12.3	14.3	18.1	13.3	15.5	19.9	17.3	18.3
24	14.3	9.7	11.8	17.7	12.0	14.6	16.8	13.3	15.0	20.5	17.6	18.7
25	12.8	10.3	11.5	18.3	12.4	15.2	19.3	14.7	16.3	20.8	17.0	18.7
26	11.3	8.9	10.1	18.2	14.0	16.0	18.6	15.7	16.9	20.7	18.4	19.4
27	9.2	7.4	8.5	19.2	15.1	16.7	19.2	14.9	16.9	20.3	17.2	18.4
28	13.3	9.2	10.9	18.5	15.6	16.8	19.8	15.5	17.4	20.8	16.4	18.3
29	---	---	---	17.8	13.1	15.9	20.6	16.0	18.1	20.3	17.1	18.4
30	---	---	---	13.4	10.0	11.7	21.0	16.9	18.6	20.7	16.4	18.3
31	---	---	---	13.9	8.7	11.1	---	---	---	21.7	17.3	19.2
MONTH	15.1	5.7	9.8	19.2	8.5	13.8	21.0	9.6	15.9	23.8	15.8	18.7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42 CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.1	17.3	18.8	21.8	21.0	21.3	24.5	22.0	22.9	24.8	21.9	22.9
2	20.6	16.4	18.3	21.9	20.4	20.9	24.5	21.7	22.6	24.1	21.6	22.5
3	21.1	18.1	19.9	23.8	19.7	21.3	24.9	21.5	23.1	24.9	21.6	22.8
4	22.7	19.3	20.6	25.0	20.4	21.9	23.9	22.2	23.0	23.9	21.8	22.5
5	21.9	17.6	19.5	26.0	20.7	22.5	24.8	21.7	22.9	23.8	21.0	22.0
6	22.2	18.2	19.9	23.8	21.4	22.2	24.1	21.6	22.6	22.8	20.5	21.5
7	23.3	20.6	21.8	23.5	20.8	21.9	24.5	21.0	22.4	21.0	19.6	20.2
8	23.0	20.3	21.5	23.6	20.9	22.1	24.3	21.7	22.7	21.8	19.2	20.4
9	22.8	19.3	20.7	24.8	21.0	22.4	23.6	20.8	22.1	22.2	19.2	20.5
10	23.1	18.5	20.5	24.3	21.2	22.2	23.3	21.0	21.9	21.5	19.4	20.4
11	24.0	19.8	21.4	23.7	21.4	22.4	25.1	20.7	22.4	22.2	19.2	20.4
12	23.0	20.0	21.2	24.3	20.8	22.2	22.9	21.3	22.1	22.0	18.7	20.0
13	24.2	20.2	21.7	24.4	20.7	22.2	23.6	21.4	22.1	22.4	18.3	20.0
14	26.4	20.9	22.4	23.0	21.5	22.1	24.8	21.3	22.7	24.4	19.5	21.2
15	23.5	21.1	22.1	23.7	20.8	22.0	24.2	21.7	22.7	23.3	20.3	21.8
16	23.0	20.6	21.5	24.2	20.9	22.1	28.5	21.8	23.5	22.1	19.2	20.4
17	23.7	21.2	21.9	24.7	21.0	22.4	24.7	22.6	23.6	21.9	18.9	20.1
18	24.5	21.4	22.5	24.0	21.1	22.3	25.2	22.2	23.3	21.4	17.9	19.5
19	23.1	20.9	21.7	24.1	21.2	22.4	25.1	22.1	23.3	22.0	18.2	19.9
20	23.1	20.0	21.3	24.8	21.3	22.8	24.2	22.2	22.9	22.5	19.0	20.5
21	22.5	18.0	19.9	27.3	22.4	24.2	25.0	21.9	23.0	21.8	19.3	20.5
22	22.2	17.7	19.7	24.1	22.0	23.0	24.8	21.7	22.8	24.1	20.5	21.7
23	23.0	18.5	20.3	24.1	21.6	22.9	24.7	21.7	22.9	22.2	19.7	20.9
24	22.4	19.2	20.6	24.1	20.1	21.7	24.8	21.7	22.9	20.9	18.3	19.6
25	22.7	19.5	20.9	23.6	19.9	21.5	24.2	22.1	22.8	21.8	18.5	19.9
26	22.7	19.7	21.0	24.2	20.8	22.0	24.3	21.6	22.7	21.9	18.7	20.0
27	21.9	19.8	20.8	24.7	20.8	22.3	24.6	21.7	22.9	23.2	19.1	20.6
28	22.7	20.0	21.4	24.8	21.3	22.6	24.8	21.8	23.0	21.1	17.0	19.3
29	23.3	20.4	21.5	25.2	21.5	22.9	24.8	21.6	22.7	18.1	15.3	16.5
30	23.2	20.4	21.4	24.4	21.6	23.3	24.8	21.6	22.8	18.0	14.5	16.0
31	---	---	---	25.2	21.9	23.3	24.8	21.9	23.0	---	---	---
MONTH	26.4	16.4	20.9	27.3	19.7	22.3	28.5	20.7	22.8	24.9	14.5	20.5
YEAR	28.5	1.2	16.1									

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42 CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	111	<5.0	<5.0	---	---	---	---	---	---	223	5.5	20
2	27	<5.0	<5.0	---	---	---	---	---	---	61	<5.0	5.3
3	118	<5.0	14	---	---	---	---	---	---	27	<5.0	6.5
4	356	<5.0	9.8	---	---	---	---	---	---	5.9	<5.0	<5.0
5	40	<5.0	<5.0	256	<5.0	44	---	---	---	6.0	<5.0	<5.0
6	27	<5.0	<5.0	82	<5.0	13	17	<5.0	<5.0	7.6	<5.0	<5.0
7	216	<5.0	11	28	<5.0	<5.0	10	<5.0	<5.0	17	<5.0	<5.0
8	27	<5.0	<5.0	---	---	---	3.3	<5.0	<5.0	21	<5.0	<5.0
9	21	<5.0	<5.0	---	---	---	9.8	<5.0	<5.0	231	<5.0	11
10	15	<5.0	<5.0	---	---	---	142	<5.0	9.4	50	<5.0	13
11	36	<5.0	5.3	362	<5.0	21	42	<5.0	13	21	<5.0	<5.0
12	108	<5.0	5.5	30	<5.0	10	38	<5.0	<5.0	8.4	<5.0	<5.0
13	274	<5.0	12	---	---	---	60	<5.0	28	27	<5.0	<5.0
14	26	<5.0	6.5	---	---	---	26	<5.0	6.6	---	---	---
15	250	6.3	56	196	<5.0	<5.0	18	<5.0	<5.0	---	---	---
16	38	<5.0	14	196	8.1	31	14	<5.0	<5.0	155	<5.0	<5.0
17	32	<5.0	5.9	11	<5.0	<5.0	27	<5.0	<5.0	23	<5.0	7.0
18	26	<5.0	10	---	---	---	35	<5.0	<5.0	16	<5.0	<5.0
19	17	10	11	---	---	---	206	<5.0	9.7	3.2	<5.0	<5.0
20	256	11	12	---	---	---	229	<5.0	17	13	<5.0	<5.0
21	24	<5.0	6.5	57	<5.0	12	9.3	<5.0	<5.0	36	<5.0	<5.0
22	32	<5.0	<5.0	12	<5.0	<5.0	9.1	<5.0	<5.0	65	<5.0	15
23	22	<5.0	<5.0	13	<5.0	<5.0	74	<5.0	<5.0	18	<5.0	<5.0
24	26	<5.0	<5.0	---	---	---	918	18	46	30	<5.0	<5.0
25	137	<5.0	9.2	---	---	---	605	<5.0	10	16	<5.0	<5.0
26	16	<5.0	<5.0	17	<5.0	<5.0	12	<5.0	<5.0	8.3	<5.0	<5.0
27	8.7	<5.0	<5.0	18	<5.0	<5.0	20	<5.0	<5.0	27	<5.0	<5.0
28	389	<5.0	22	8.8	<5.0	<5.0	15	<5.0	5.6	36	<5.0	5.7
29	91	8.0	17	4.6	<5.0	<5.0	12	<5.0	<5.0	250	<5.0	34
30	14	<5.0	5.8	12	<5.0	<5.0	16	<5.0	<5.0	324	12	50
31	22	<5.0	<5.0	---	---	---	361	<5.0	5.9	20	<5.0	9.1
MAX	389	11	56	---	---	---	---	---	---	---	---	---
MIN	8.7	5.0	5.0	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42 CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	23	<5.0	<5.0	14	<5.0	<5.0	22	<5.0	6.4	55	<5.0	10
2	28	<5.0	<5.0	---	---	---	---	---	---	543	<5.0	11
3	19	<5.0	<5.0	---	---	---	---	---	---	37	<5.0	9.2
4	310	<5.0	16	22	<5.0	<5.0	---	---	---	33	<5.0	5.2
5	28	<5.0	<5.0	772	5.1	16	389	<5.0	12	954	24	86
6	73	<5.0	17	376	20	60	457	<5.0	6.2	644	34	80
7	46	<5.0	13	31	5.0	14	42	5.4	16	108	20	35
8	14	<5.0	<5.0	21	<5.0	5.6	20	<5.0	8.8	47	20	24
9	77	<5.0	<5.0	18	<5.0	<5.0	37	7.7	12	---	---	---
10	94	<5.0	18	20	<5.0	6.3	---	---	---	---	---	---
11	19	<5.0	<5.0	22	<5.0	7.8	---	---	---	---	---	---
12	24	<5.0	<5.0	16	<5.0	6.1	---	---	---	40	15	19
13	18	<5.0	<5.0	33	<5.0	7.3	---	---	---	---	---	---
14	39	<5.0	<5.0	23	5.3	7.5	---	---	---	---	---	---
15	9.1	<5.0	<5.0	319	<5.0	18	30	<5.0	<5.0	254	<5.0	29
16	165	<5.0	35	12	<5.0	<5.0	---	---	---	50	<5.0	11
17	26	<5.0	6.4	92	<5.0	16	371	<5.0	54	225	<5.0	12
18	26	<5.0	<5.0	15	<5.0	7.2	29	<5.0	5.8	540	15	40
19	26	<5.0	<5.0	441	<5.0	24	20	<5.0	<5.0	26	<5.0	11
20	28	<5.0	<5.0	481	9.1	34	20	<5.0	<5.0	24	<5.0	5.3
21	116	<5.0	<5.0	19	<5.0	7.9	96	<5.0	7.9	156	<5.0	7.5
22	---	---	---	17	<5.0	<5.0	21	<5.0	<5.0	299	16	38
23	---	---	---	5.2	<5.0	<5.0	---	---	---	25	<5.0	9.4
24	28	5.4	11	16	<5.0	6.0	---	---	---	13	<5.0	<5.0
25	33	6.5	12	23	<5.0	5.3	542	15	41	444	<5.0	7.7
26	132	5.8	24	20	<5.0	5.7	28	<5.0	10	44	<5.0	8.4
27	44	5.1	19	27	<5.0	7.6	9.4	<5.0	<5.0	17	<5.0	6.0
28	20	<5.0	<5.0	26	<5.0	10	33	<5.0	8.2	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	346	<5.0	12	---	---	---	---	---	---
31	---	---	---	18	<5.0	<5.0	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336030 N.F. PEACHTREE CREEK AT GRAVES RD, NR DORAVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 135
LATITUDE 335420 LONGITUDE 0841330 NAD27 DRAINAGE AREA 1.42 CONTRIBUTING DRAINAGE AREA DATUM 950.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	394	19	75	15	<5.0	<5.0	7.0	<5.0	<5.0
2	---	---	---	36	5.1	13	13	<5.0	<5.0	18	<5.0	6.7
3	---	---	---	20	<5.0	<5.0	220	<5.0	7.8	15	<5.0	5.1
4	70	<5.0	6.4	141	<5.0	<5.0	70	<5.0	6.1	6.8	<5.0	<5.0
5	17	<5.0	<5.0	302	<5.0	<5.0	78	<5.0	<5.0	24	<5.0	6.2
6	114	<5.0	16	8.6	<5.0	<5.0	87	<5.0	8.6	24	<5.0	5.4
7	384	6.2	28	17	<5.0	<5.0	497	<5.0	8.8	12	<5.0	5.3
8	52	<5.0	7.7	19	<5.0	<5.0	27	<5.0	7.2	19	<5.0	7.1
9	16	<5.0	<5.0	38	<5.0	5.0	9.3	<5.0	<5.0	22	<5.0	6.7
10	28	<5.0	5.7	254	<5.0	7.1	5.4	<5.0	<5.0	28	5.1	6.6
11	48	<5.0	7.0	20	<5.0	7.2	373	<5.0	9.4	30	<5.0	8.6
12	40	<5.0	6.0	19	<5.0	<5.0	20	<5.0	7.9	19	<5.0	5.5
13	442	<5.0	7.5	648	<5.0	<5.0	21	<5.0	7.0	20	<5.0	<5.0
14	682	<5.0	6.5	66	<5.0	9.9	23	<5.0	5.6	562	<5.0	<5.0
15	22	<5.0	<5.0	16	<5.0	<5.0	16	<5.0	<5.0	36	<5.0	13
16	737	<5.0	<5.0	18	<5.0	<5.0	281	<5.0	<5.0	22	<5.0	6.6
17	885	14	45	14	<5.0	<5.0	25	6.0	8.0	21	<5.0	5.8
18	493	13	76	20	<5.0	<5.0	15	<5.0	8.1	30	<5.0	10
19	35	5.3	14	14	<5.0	<5.0	15	<5.0	5.6	32	<5.0	5.8
20	29	<5.0	6.1	279	<5.0	<5.0	15	<5.0	<5.0	17	<5.0	7.6
21	22	<5.0	7.3	664	<5.0	14	22	<5.0	<5.0	9.5	5.4	5.9
22	16	<5.0	<5.0	57	5.0	10	29	<5.0	<5.0	265	6.6	38
23	26	<5.0	7.7	367	<5.0	22	18	<5.0	<5.0	46	5.8	15
24	30	7.7	14	16	<5.0	<5.0	7.0	<5.0	<5.0	16	5.6	7.0
25	61	11	24	18	<5.0	<5.0	27	<5.0	5.7	19	<5.0	6.7
26	61	17	32	13	<5.0	<5.0	21	<5.0	7.6	25	<5.0	6.3
27	76	19	30	<5.0	<5.0	<5.0	22	<5.0	<5.0	308	<5.0	9.0
28	260	<5.0	26	9.8	<5.0	<5.0	25	<5.0	<5.0	24	5.0	11
29	6.4	<5.0	<5.0	15	<5.0	<5.0	19	<5.0	6.0	17	<5.0	6.4
30	94	<5.0	10	230	<5.0	9.9	19	<5.0	<5.0	13	<5.0	<5.0
31	---	---	---	111	<5.0	5.2	15	<5.0	<5.0	---	---	---
MAX	---	---	---	664	19	75	497	6.0	9.4	562	6.6	38
MIN	---	---	---	5.0	5.0	5.0	5.4	5.0	5.0	6.8	5.0	5.0

< Actual value is known to be less than the value shown

02336030 NORTH FORK PEACHTREE CREEK AT GRAVES ROAD, NEAR DORAVILLE, GA

LOCATION.—Lat 33°54'20", long 84°13'30" referenced to North American Datum (NAD) of 1927, Hydrologic Unit Code 03130001, Gwinnett County, at bridge at Graves Road, 0.3 miles east of Interstate 85.

DRAINAGE AREA.—1.42 square miles.

COOPERATION.— Gwinnett County Department of Public Utilities.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 19, 1976 to current year.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory and Missouri District Water Quality Laboratory. Field values with analyzing agency code 1028 are median values of cross-section field data at the time of sample collection. Field determinations of discharge, specific conductance, pH, water temperature, air temperature, dissolved oxygen, and turbidity by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Hydro-logic condi-tion	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Sam-pling method, code (82398)	Tur-bidity, NTU (00076)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)
OCT													
25...	1200	--	A	9	81213	1.56	1.8	40	24	7.1	91	62	17
DEC													
10-10	1625	1630	A	J	81213	2.65	63	10	48	7.0	30	27	64
16...	1100	--	A	9	81213	1.50	.76	40	11	6.6	106	71	8
FEB													
20...	0855	--	9	9	81213	1.50	1.1	10	8.6	6.2	107	68	6
APR													
04...	1210	--	9	9	81213	1.51	1.2	40	5.3	6.8	102	71	3
05-05	1030	1040	A	J	81213	2.06	20	40	230	6.9	77	45	164
17-17	1755	1800	A	J	81213	1.71	6.7	10	34	6.7	87	65	22
JUL													
09...	1245	--	9	9	81213	1.60	1.2	40	16	7.3	101	75	14
30-30	0845	0900	5	J	81213	2.78	125	10	110	6.6	35	19	129
AUG													
21...	1230	--	9	9	81213	1.55	.71	40	8.1	7.2	97	67	4
SEP													
22-22	0935	0940	5	J	81213	1.61	1.1	40	--	--	--	65	10

02336030 NORTH FORK PEACHTREE CREEK AT GRAVES ROAD, NEAR DORAVILLE, GA —continued.

Date	Residue volatile, suspended, mg/L (00535)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, unfltrd mg/L (00680)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sampler type, code (84164)
OCT													
25...	4	.40	.154	.58	.590	<.02	.04	.99	3.9	1650	--	31	8010
DEC													
10-10	17	1.0	.338	.30	.300	<.02	.08	1.3	3.5	2370	56	93	3044
16...	5	.30	.098	.54	.560	<.02	.04	.86	.9	473	--	14	3044
FEB													
20...	<1	.30	.091	.56	.560	<.02	<.02	.86	1.0	39	--	8	3044
APR													
04...	4	<.20	.056	.46	.460	<.02	.02	--	1.0	72	--	18	8000
05-05	91	4.0	.442	.57	.620	.02	.27	4.6	14.0	1720	--	--	3070
17-17	10	1.4	.370	.70	.680	.02	.08	2.1	6.9	2330	79	34	3044
JUL													
09...	2	<.20	.066	.56	.550	<.02	<.02	--	.9	650	--	24	3044
30-30	31	.90	A.208	.38	.370	.03	.15	1.3	3.7	17000	54	234	3052
AUG													
21...	3	<.20	A.073	.50	.510	<.02	<.02	--	1.1	260	--	8	3044
SEP													
22-22	7	.90	.310	.84	.830	<.02	.05	1.7	9.7	4330	80	22	3070

Date	Time	Ending time	Hydrologic condition	Hydrologic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
OCT													
25...	1159	--	A	9	1028	1.56	1.8	40	29	8.6	87	7.0	90
DEC													
10-10	1630	1640	A	J	1028	2.75	71	40	75	9.9	83	6.1	39
16...	1105	--	A	9	1028	1.50	.76	40	16	10.7	92	5.8	105
FEB													
20...	0905	--	A	9	1028	1.50	1.1	40	12	10.2	93	5.6	105
APR													
04...	1200	--	A	9	1028	1.51	1.2	40	5.8	10.3	110	6.5	102
05-05	1025	1035	A	J	1028	2.09	22	40	400	8.7	93	6.4	82
17-17	1800	1810	A	J	1028	1.71	6.6	40	51	8.0	86	6.3	86
JUL													
09...	1305	--	9	9	1028	1.60	1.2	40	19	7.5	89	7.0	100
30-30	0905	0915	9	J	1028	2.55	80	40	83	8.1	98	6.6	35
AUG													
21...	1245	--	9	9	1028	1.55	.71	40	14	8.7	105	6.8	97
SEP													
22-22	0940	0945	5	J	--	1.61	1.1	40	74	7.1	82	6.7	94

02336030 NORTH FORK PEACHTREE CREEK AT GRAVES ROAD, NEAR DORAVILLE, GA —continued.

Date	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sampler type, code (84164)
OCT					
25...	20.0	16.3	--	31	3001
DEC					
10-10	5.5	7.8	--	218	3002
16...	25.0	8.8	--	12	3001
FEB					
20...	15.0	10.1	--	9	3001
APR					
04...	--	17.8	--	21	8000
05-05	--	17.2	46	201	3001
17-17	--	18.5	88	29	3001
JUL					
09...	29.0	24.0	--	15	3001
30-30	24.0	23.6	57	171	3002
AUG					
21...	--	24.1	--	4	3001
SEP					
22-22	--	21.2	76	17	3001

Remark codes used in this report:
< -- Less than
> -- Greater than
A -- Average value
E -- Estimated value
S -- Most probable value

Value qualifier codes used in this report:
a -- Value was extrapolated above
f -- Sample field preparation problem
k -- Counts outside acceptable range
l -- Sample lab preparation problem
q -- Insufficient sample received

02336120 NORTH FORK PEACHTREE CREEK AT BUFORD HIGHWAY, AT ATLANTA, GA

LOCATION.—Lat 33°49'53", long 84°20'34" referenced to North American Datum (NAD) of 1927, Hydrologic Unit 03070101, Dekalb County, downstream side bridge on GA 13 (Buford Highway), 4.1 miles south of the junction of US 23, and GA 155, 2.1 miles north of the confluence of the South Fork of Peachtree Creek.

DRAINAGE AREA.—34.8 square miles, approximately.

COOPERATION.—City of Atlanta.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 10, 2003 to September 30, 2003.

GAGE.—Satellite Telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 809.57 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 16.18 feet, June 17; minimum gage-height recorded, 3.75 feet, September 19-21.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 29, 2003 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80* DATUM 809.57 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	4.16	9.11	4.51	4.01
2	---	---	---	---	---	---	---	---	4.14	5.81	4.23	3.94
3	---	---	---	---	---	---	---	---	---	4.67	5.42	3.93
4	---	---	---	---	---	---	---	---	4.74	4.48	4.90	3.93
5	---	---	---	---	---	---	---	---	4.24	5.24	4.26	3.89
6	---	---	---	---	---	---	---	---	4.45	4.67	4.43	3.86
7	---	---	---	---	---	---	---	---	6.66	4.37	5.09	3.84
8	---	---	---	---	---	---	---	---	5.14	4.39	4.88	3.86
9	---	---	---	---	---	---	---	---	4.35	4.31	4.23	3.84
10	---	---	---	---	---	---	---	4.49	4.23	5.07	4.16	3.82
11	---	---	---	---	---	---	---	4.63	4.22	4.84	4.95	3.82
12	---	---	---	---	---	---	---	4.47	4.27	4.32	4.52	3.81
13	---	---	---	---	---	---	---	4.25	5.54	4.28	4.28	3.79
14	---	---	---	---	---	---	---	4.21	4.72	4.72	4.14	4.32
15	---	---	---	---	---	---	---	5.51	4.56	4.31	4.08	4.52
16	---	---	---	---	---	---	---	6.92	4.56	4.20	4.44	3.93
17	---	---	---	---	---	---	---	5.89	9.68	4.19	4.86	3.84
18	---	---	---	---	---	---	---	7.41	---	4.14	4.16	3.80
19	---	---	---	---	---	---	---	5.07	5.66	4.12	4.08	3.79
20	---	---	---	---	---	---	---	4.62	4.76	4.22	4.11	3.77
21	---	---	---	---	---	---	---	4.60	4.47	5.11	4.05	3.77
22	---	---	---	---	---	---	---	7.73	4.36	4.49	4.05	5.72
23	---	---	---	---	---	---	---	5.04	4.30	5.95	4.02	4.80
24	---	---	---	---	---	---	---	4.61	4.26	4.41	3.97	4.10
25	---	---	---	---	---	---	---	4.53	4.21	4.18	3.96	3.98
26	---	---	---	---	---	---	---	4.91	4.19	4.11	3.96	3.93
27	---	---	---	---	---	---	---	4.37	4.17	4.09	4.19	4.18
28	---	---	---	---	---	---	---	4.30	5.08	4.07	4.08	4.36
29	---	---	---	---	---	---	---	4.26	4.39	4.05	4.05	3.92
30	---	---	---	---	---	---	---	4.22	5.32	5.95	4.78	3.86
31	---	---	---	---	---	---	---	4.19	---	5.06	4.22	---
MEAN	---	---	---	---	---	---	---	---	---	4.74	4.36	4.03
MAX	---	---	---	---	---	---	---	---	---	9.11	5.42	5.72
MIN	---	---	---	---	---	---	---	---	---	4.05	3.96	3.77

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80* DATUM 809.57 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	0.00	3.19	0.00	0.00
2	---	---	---	---	---	---	---	---	0.00	0.02	0.00	0.00
3	---	---	---	---	---	---	---	---	0.63	0.00	1.14	0.00
4	---	---	---	---	---	---	---	---	0.41	0.00	0.00	0.10
5	---	---	---	---	---	---	---	---	0.00	0.30	0.10	0.00
6	---	---	---	---	---	---	---	---	0.40	0.00	0.05	0.00
7	---	---	---	---	---	---	---	---	0.98	0.00	0.07	0.00
8	---	---	---	---	---	---	---	---	0.00	0.20	0.00	0.01
9	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	---	---	0.00	1.08	0.00	0.00
11	---	---	---	---	---	---	---	---	0.09	0.00	0.03	0.00
12	---	---	---	---	---	---	---	---	0.10	0.00	0.07	0.00
13	---	---	---	---	---	---	---	---	1.80	0.15	0.08	0.00
14	---	---	---	---	---	---	---	---	0.00	0.12	0.00	1.38
15	---	---	---	---	---	---	---	---	0.30	0.00	0.00	0.00
16	---	---	---	---	---	---	---	---	1.08	0.02	0.22	0.00
17	---	---	---	---	---	---	---	---	1.09	0.00	0.01	0.00
18	---	---	---	---	---	---	---	---	1.87	0.00	0.00	0.00
19	---	---	---	---	---	---	---	---	0.39	0.00	0.00	0.00
20	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	---	---	0.00	0.43	0.00	1.70
23	---	---	---	---	---	---	---	---	0.00	0.94	0.00	0.00
24	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
25	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
26	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
27	---	---	---	---	---	---	---	---	0.00	0.00	1.43	0.22
28	---	---	---	---	---	---	---	---	0.69	0.00	0.07	0.00
29	---	---	---	---	---	---	---	0.00	0.00	0.00	0.10	0.00
30	---	---	---	---	---	---	---	0.00	1.54	0.89	1.50	0.00
31	---	---	---	---	---	---	---	0.00	---	0.35	0.00	---
TOTAL	---	---	---	---	---	---	---	---	11.37	7.69	4.87	3.41

APALACHICOLA RIVER BASIN
2003 Water Year

02336120 NORTH FORK PEACHTREE CREEK AT BUFORD HIGHWAY, NEAR ATLANTA, GA

LOCATION.—Lat. 33°49'53", Long. 84°20'34" referenced to North American Datum (NAD) of 1927, Dekalb County, Hydrologic Unit 03070101, downstream side bridge on GA 13 (Buford Highway), 4.1 miles south of the junction of US 23, and GA 155, 2.1 miles north of the confluence of the South Fork of Peachtree Creek.

DRAINAGE AREA.—34.8 square miles, approximately.

COOPERATION.—City of Atlanta.

PERIOD OF RECORD.—February 1976 to August 1977; June 27, 2003 to September 30, 2003.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: June 27, 2003 to September 30, 2003.
pH: June 27, 2003 to September 30, 2003.
WATER TEMPERATURE: June 27, 2003 to September 30, 2003.
DISSOLVED OXYGEN: June 27, 2003 to September 30, 2003.
TURBIDITY: June 27, 2003 to September 30, 2003.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good, except for turbidity which is fair and dissolved oxygen which is poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 196 microsiemens, September 25, 2003; minimum recorded, 32 microsiemens, July 1, 2003.
pH: Maximum recorded, 7.6 units, August 25-27, September 9, 2003; minimum recorded, 6.5 units, August 22, 2003.
WATER TEMPERATURE: Maximum recorded, 28.0°C, August 30, 2003; minimum recorded, 15.3°C, September 30, 2003.
DISSOLVED OXYGEN: Maximum recorded, 8.5 mg/L, June 30. September 13, 14, 2003; minimum recorded, 5.3 mg/L, August 16, 2003.
TURBIDITY: Maximum recorded, >2,200 NTU, September 22, 2003; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
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U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
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Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	74	32	52	103	76	90	135	125	130
2	---	---	---	89	41	68	118	102	111	140	135	137
3	---	---	---	115	89	104	126	45	85	141	139	140
4	---	---	---	123	115	120	90	57	74	143	130	140
5	---	---	---	126	54	100	116	82	104	145	138	141
6	---	---	---	105	59	83	120	84	109	146	142	144
7	---	---	---	129	105	119	125	53	105	145	142	143
8	---	---	---	138	107	131	93	53	71	145	141	143
9	---	---	---	138	107	130	119	93	108	146	141	143
10	---	---	---	142	48	117	133	119	126	150	143	147
11	---	---	---	100	71	83	141	65	111	150	147	149
12	---	---	---	125	100	115	101	66	84	151	148	149
13	---	---	---	134	122	129	122	101	113	152	150	151
14	---	---	---	131	84	101	132	122	127	152	49	132
15	---	---	---	136	111	120	137	132	135	115	98	103
16	---	---	---	135	125	132	143	80	130	122	108	117
17	---	---	---	140	135	138	93	61	77	120	111	115
18	---	---	---	143	140	141	119	93	108	135	110	128
19	---	---	---	145	141	142	132	119	126	145	123	138
20	---	---	---	145	70	143	143	132	137	147	132	141
21	---	---	---	95	46	74	137	135	136	146	129	138
22	---	---	---	118	90	105	139	131	138	149	37	106
23	---	---	---	102	50	65	141	121	135	83	45	66
24	---	---	---	103	72	88	142	140	140	195	83	110
25	---	---	---	125	103	115	143	140	141	196	126	144
26	---	---	---	134	125	131	143	141	142	133	126	129
27	---	---	---	141	134	137	151	79	134	136	92	127
28	146	67	99	142	139	140	136	114	130	109	87	97
29	112	80	98	143	142	142	145	119	137	121	108	114
30	126	36	94	143	39	83	139	46	110	123	104	116
31	---	---	---	92	61	77	125	91	113	---	---	---
MONTH	---	---	---	145	32	110	151	45	116	196	37	129

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pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
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		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
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pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	6.9	6.6	6.8	7.1	6.9	7.0	7.3	7.2	7.2
2	---	---	---	6.9	6.6	6.8	7.2	7.0	7.1	7.4	7.3	7.3
3	---	---	---	7.0	6.9	7.0	7.2	6.7	7.2	7.5	7.3	7.3
4	---	---	---	7.1	7.0	7.0	7.0	6.8	7.0	7.4	7.3	7.3
5	---	---	---	7.1	6.7	7.1	7.2	7.0	7.1	7.5	7.3	7.3
6	---	---	---	7.0	6.8	6.9	7.3	7.0	7.2	7.5	7.3	7.4
7	---	---	---	7.2	7.0	7.1	7.3	6.6	7.2	7.5	7.3	7.4
8	---	---	---	7.2	7.0	7.2	7.1	6.7	6.9	7.5	7.3	7.4
9	---	---	---	7.3	7.0	7.2	7.3	7.1	7.2	7.6	7.3	7.4
10	---	---	---	7.3	6.8	7.2	7.3	7.2	7.3	7.5	7.3	7.4
11	---	---	---	7.1	6.9	7.0	7.4	6.7	7.2	7.5	7.2	7.3
12	---	---	---	7.2	7.1	7.2	7.1	6.7	7.0	7.5	7.2	7.3
13	---	---	---	7.3	7.2	7.2	7.2	7.1	7.2	7.5	7.2	7.3
14	---	---	---	7.2	7.0	7.0	7.3	7.2	7.2	7.5	6.8	7.2
15	---	---	---	7.2	7.1	7.1	7.4	7.2	7.3	7.0	6.8	6.9
16	---	---	---	7.3	7.1	7.2	7.5	6.9	7.3	7.1	7.0	7.0
17	---	---	---	7.3	7.2	7.2	7.1	6.7	6.9	7.2	7.1	7.1
18	---	---	---	7.4	7.2	7.3	7.3	7.1	7.2	7.3	7.1	7.2
19	---	---	---	7.4	7.2	7.3	7.4	7.2	7.3	7.3	7.2	7.2
20	---	---	---	7.5	6.9	7.3	7.5	7.3	7.3	7.3	7.2	7.2
21	---	---	---	7.1	6.6	6.9	7.5	7.3	7.4	7.3	7.2	7.2
22	---	---	---	7.3	7.0	7.2	7.5	7.3	7.4	7.2	6.5	7.1
23	---	---	---	7.1	6.8	6.9	7.5	7.3	7.4	6.9	6.6	6.8
24	---	---	---	7.2	7.0	7.1	7.5	7.3	7.4	7.0	6.9	7.0
25	---	---	---	7.3	7.2	7.2	7.6	7.3	7.4	7.0	7.0	7.0
26	---	---	---	7.4	7.2	7.2	7.6	7.3	7.4	7.1	7.0	7.1
27	---	---	---	7.4	7.2	7.3	7.6	6.7	7.4	7.2	7.0	7.1
28	7.5	6.9	7.0	7.4	7.2	7.3	7.3	7.0	7.1	7.1	7.0	7.0
29	7.1	6.9	7.0	7.5	7.2	7.3	7.3	7.1	7.2	7.2	7.1	7.1
30	7.2	6.7	7.1	7.3	6.6	6.8	7.4	6.8	7.2	7.2	7.1	7.2
31	---	---	---	7.0	6.7	6.9	7.3	7.0	7.2	---	---	---
MAX	---	---	---	7.5	7.2	7.3	7.6	7.3	7.4	7.6	7.3	7.4
MIN	---	---	---	6.9	6.6	6.8	7.0	6.6	6.9	6.9	6.5	6.8

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
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MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
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MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	22.5	21.1	21.6	26.4	23.9	25.0	27.0	24.2	25.5
2	---	---	---	22.0	21.1	21.5	26.4	23.9	24.9	26.8	24.1	25.2
3	---	---	---	23.8	20.9	22.3	25.1	23.2	24.2	26.7	24.3	25.3
4	---	---	---	24.5	22.1	23.3	25.2	23.5	24.2	26.3	24.5	25.2
5	---	---	---	24.9	22.5	23.5	26.1	23.5	24.7	25.7	23.3	24.3
6	---	---	---	25.2	23.2	24.1	25.1	23.2	24.0	24.3	22.7	23.6
7	---	---	---	25.8	22.9	24.2	26.2	22.4	23.6	22.7	21.4	21.9
8	---	---	---	26.6	23.3	24.7	25.8	23.5	24.3	23.0	20.6	21.9
9	---	---	---	26.5	23.7	25.2	25.6	22.7	24.1	23.6	20.6	21.9
10	---	---	---	26.1	23.9	24.4	25.2	23.2	24.2	22.9	21.0	21.8
11	---	---	---	25.2	23.0	24.0	25.3	22.7	23.8	23.5	20.5	21.7
12	---	---	---	25.8	22.9	24.4	25.1	22.9	23.8	23.4	20.2	21.5
13	---	---	---	25.9	22.8	24.2	25.1	23.1	24.0	23.4	20.0	21.5
14	---	---	---	25.4	22.7	23.8	26.8	23.4	25.0	23.8	21.0	22.1
15	---	---	---	25.7	22.8	24.1	27.0	24.2	25.5	24.2	22.1	22.9
16	---	---	---	25.5	23.3	24.5	27.0	24.5	25.6	22.9	20.5	21.7
17	---	---	---	26.6	23.3	24.9	26.7	24.1	25.3	23.2	20.3	21.4
18	---	---	---	26.2	23.6	24.9	27.2	24.4	25.7	22.8	19.3	20.7
19	---	---	---	26.3	24.0	25.0	27.4	24.7	26.0	23.0	19.4	21.0
20	---	---	---	26.9	24.0	25.4	26.5	24.8	25.5	24.0	20.3	21.7
21	---	---	---	27.1	24.3	25.5	27.0	24.3	25.4	23.1	20.9	22.0
22	---	---	---	25.8	24.0	24.6	26.6	24.4	25.4	23.6	21.8	22.4
23	---	---	---	24.2	22.6	23.6	27.0	22.6	24.8	23.1	21.3	22.1
24	---	---	---	25.4	22.2	23.7	27.0	24.4	25.5	21.6	19.5	20.7
25	---	---	---	25.2	21.9	23.5	26.5	24.7	25.5	22.4	19.7	20.9
26	---	---	---	26.0	22.8	24.2	27.0	24.4	25.6	22.3	19.8	20.9
27	---	---	---	26.5	23.1	24.7	26.9	24.6	25.6	23.2	20.2	21.4
28	23.9	21.4	22.4	26.7	24.0	25.3	26.0	24.3	25.1	21.7	19.2	20.7
29	24.6	22.1	23.3	27.2	24.4	25.6	26.1	24.0	24.8	19.2	16.7	17.7
30	24.6	22.1	23.0	25.7	23.2	24.4	28.0	23.8	24.9	18.4	15.3	16.7
31	---	---	---	27.0	24.2	25.0	27.2	24.7	25.8	---	---	---
MONTH	---	---	---	27.2	20.9	24.2	28.0	22.4	24.9	27.0	15.3	21.9

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WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
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MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
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MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	8.3	7.2	7.8	6.6	6.1	6.3	---	---	---
2	---	---	---	7.9	7.4	7.7	6.7	6.1	6.4	---	---	---
3	---	---	---	8.1	7.5	7.8	7.4	6.1	6.4	---	---	---
4	---	---	---	7.9	7.4	7.6	6.6	6.1	6.4	---	---	---
5	---	---	---	7.9	6.9	7.5	6.5	6.0	6.3	---	---	---
6	---	---	---	7.7	7.2	7.4	6.5	5.8	6.3	---	---	---
7	---	---	---	7.8	7.1	7.5	7.0	5.7	6.5	---	---	---
8	---	---	---	8.1	6.7	7.6	6.8	5.9	6.5	---	---	---
9	---	---	---	7.2	6.5	6.9	7.1	5.8	6.7	---	---	---
10	---	---	---	7.8	6.7	7.2	7.2	6.5	6.9	---	---	---
11	---	---	---	7.6	6.9	7.3	7.5	5.6	6.7	8.2	6.5	7.2
12	---	---	---	7.8	7.1	7.4	7.0	5.8	6.5	8.2	6.6	7.2
13	---	---	---	7.7	7.0	7.3	7.1	6.3	6.8	8.5	6.8	7.4
14	---	---	---	---	---	---	7.0	5.9	6.6	8.5	6.0	7.3
15	---	---	---	---	---	---	7.0	6.2	6.5	6.2	5.7	5.9
16	---	---	---	---	---	---	7.0	5.3	6.3	7.0	5.8	6.4
17	---	---	---	---	---	---	---	---	---	7.2	6.1	6.6
18	---	---	---	---	---	---	---	---	---	7.3	6.2	6.7
19	---	---	---	---	---	---	---	---	---	---	---	---
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26	---	---	---	7.2	6.4	6.7	---	---	---	---	---	---
27	---	---	---	7.3	6.3	6.7	---	---	---	---	---	---
28	8.0	7.0	7.3	7.3	6.2	6.7	---	---	---	---	---	---
29	7.7	7.0	7.3	7.3	6.1	6.6	---	---	---	---	---	---
30	8.5	7.0	7.5	7.4	5.9	6.1	---	---	---	---	---	---
31	---	---	---	6.6	5.9	6.3	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

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> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

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U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336120 N.F. PEACHTREE CREEK, BUFORD HWY, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334953 LONGITUDE 0842034 NAD27 DRAINAGE AREA 34.80 CONTRIBUTING DRAINAGE AREA 34.80 DATUM 809.57 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	500	70	240	---	---	---	---	---	---
2	---	---	---	260	36	76	---	---	---	---	---	---
3	---	---	---	36	15	20	---	---	---	---	---	---
4	---	---	---	19	10	13	---	---	---	---	---	---
5	---	---	---	500	11	20	---	---	---	---	---	---
6	---	---	---	110	12	23	100	8.3	12	---	---	---
7	---	---	---	16	6.6	9.1	790	6.2	9.4	---	---	---
8	---	---	---	110	7.0	9.5	440	19	63	---	---	---
9	---	---	---	85	6.1	8.9	26	7.2	11	---	---	---
10	---	---	---	580	5.7	8.5	14	6.4	8.4	---	---	---
11	---	---	---	180	18	36	720	6.6	11	200	5.0	8.1
12	---	---	---	20	6.6	8.9	380	15	40	95	5.1	7.1
13	---	---	---	12	5.4	7.5	47	8.0	10	69	5.1	6.6
14	---	---	---	190	9.8	61	11	5.5	7.2	560	5.0	6.8
15	---	---	---	130	7.1	20	12	5.2	6.6	220	19	55
16	---	---	---	250	5.8	10	450	5.1	6.8	26	6.5	12
17	---	---	---	450	7.2	26	470	16	54	12	<5.0	7.6
18	---	---	---	65	<5.0	7.3	17	5.7	9.2	26	5.1	7.0
19	---	---	---	11	5.2	6.3	10	<5.0	5.9	250	<5.0	7.2
20	---	---	---	710	<5.0	5.9	54	5.2	6.5	30	5.4	7.7
21	---	---	---	700	16	57	10	<5.0	5.7	27	5.3	7.3
22	---	---	---	140	7.9	18	390	<5.0	5.6	>2200	6.1	14
23	---	---	---	340	21	190	440	7.0	12	340	21	54
24	---	---	---	52	9.8	17	18	5.5	7.4	21	11	14
25	---	---	---	15	6.2	7.4	20	5.2	6.7	110	6.4	10
26	---	---	---	14	5.0	6.4	22	<5.0	6.1	60	5.6	7.3
27	---	---	---	11	<5.0	5.9	230	<5.0	6.6	210	5.8	8.2
28	270	6.8	85	16	<5.0	5.8	69	7.4	12	180	12	24
29	61	7.6	14	40	<5.0	6.7	43	<5.0	8.3	56	7.3	9.7
30	1100	5.4	9.3	650	6.8	140	700	6.2	9.1	28	7.3	8.4
31	---	---	---	250	55	71	---	---	---	---	---	---
MAX	---	---	---	710	70	240	---	---	---	---	---	---
MIN	---	---	---	11	5.0	5.8	---	---	---	---	---	---

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APALACHICOLA RIVER BASIN
2003 Water Year

02336120 NORTH FORK PEACHTREE CREEK AT BUFORD HIGHWAY, NEAR ATLANTA, GA

LOCATION.—Lat 33°49'53", long 84°49'53" referenced to North American Datum (NAD) of 1927, Dekalb County, Hydrologic Unit Code 03070101, on right downstream side of bridge on GA 13, (Buford Highway), 4.1 miles south of the junction of US 23 and GA 155, and 2.1 miles north of the confluence of S.F. Peachtree Creek.

DRAINAGE AREA.—34.8 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 1976 to August 1977, June 27, 2003 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Medium code	Gage height, feet (00065)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)
AUG 11-11	1444	1555	9	6.92	81345	300	--	6.7	--	6.9	118	25.0	32
AUG 11-11	1445	2056	9	6.92	80020	300	--	6.7	--	6.9	118	25.0	--
AUG 11-11	1623	1725	9	6.80	81345	650	--	6.3	--	6.8	76	24.5	23
AUG 11-11	1624	1726	9	6.80	80020	650	--	6.3	--	6.8	76	24.5	--
AUG 11-11	1753	1925	9	7.24	81345	450	--	5.9	--	6.8	71	25.0	19
AUG 11-11	1754	1926	9	7.24	80020	450	--	5.9	--	6.8	71	25.0	--
26...	0715	--	9	3.95	81345	8.3	741	6.8	84	7.3	156	24.5	41
26...	0716	--	9	3.95	80020	8.3	741	6.8	84	7.3	156	24.5	--
26...	0800	--	9	3.95	81345	8.6	741	7.0	86	7.3	151	24.5	47
26...	0801	--	9	3.95	80020	8.6	741	7.0	86	7.3	151	24.5	--

02336120 NORTH FORK PEACHTREE CREEK AT BUFORD HIGHWAY, NEAR ATLANTA, GA—continued.

Date	Noncarb hard-ness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alka-linity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
AUG 11-11	4	9.82	1.74	2.48	.4	4.54	22	27.7	<.1	4.97	.1	12.4	8.4
AUG 11-11	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 11-11	5	7.40	1.11	2.59	.2	2.69	18	18.5	<.1	2.99	<.1	6.62	7.6
AUG 11-11	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 11-11	4	6.13	.99	2.11	.3	2.64	21	15.4	<.1	3.07	<.1	6.78	6.3
AUG 11-11	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	.0	11.5	3.02	2.73	.4	5.95	22	40.4	.1	7.85	.1	17.6	6.5
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	14.1	2.82	2.86	.5	8.05	26	48.0	.1	8.27	.1	19.5	6.1
26...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)
AUG 11-11	67	.09	.53	.414	1.14	1.14d	<.100	--	<.010	.01	2.24	--	--
AUG 11-11	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 11-11	47	.06	.25	.195	1.04	1.16d	.120	--	<.056	.01	1.85	--	--
AUG 11-11	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 11-11	41	.06	.25	.194	.89	.890d	<.100	--	<.082	.01	1.56	--	--
AUG 11-11	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	83	.11	.02	.013	.73	.730d	<.020	.166	.054	M	.89	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	94	.13	.03	.024	.63	.630d	<.020	--	<.082	.01	.80	240	460
26...	--	--	--	--	--	--	--	--	--	--	--	240	460

Date	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)
AUG 11-11	--	22.4	<100	40	<50	100	--	--	--	--	--	--	--
AUG 11-11	--	--	--	--	9	85.9	16	E.02n	<.8	3.0	.23	1.06	<.20
AUG 11-11	--	18.7	<100	30	<50	<100	--	--	--	--	--	--	--
AUG 11-11	--	--	--	--	11	30.2	10	<.04	<.8	2.1	.15	.81	<.20
AUG 11-11	--	16.0	<100	20	<50	<100	--	--	--	--	--	--	--
AUG 11-11	--	--	--	--	13	14.2	11	<.04	<.8	2.1	.20	12.4	<.20
26...	--	28.6	<100	60	<50	<100	--	--	--	--	--	--	--
26...	--	--	--	--	3	80.1	3	<.04	<.8	1.0	<.08	.62	<.20
26...	13200	26.9	<100	60	<50	200	--	--	--	--	--	--	--
26...	13200	--	--	--	2	184	3	E.02n	<.8	.7	<.08	.65	<.20

02336120 NORTH FORK PEACHTREE CREEK AT BUFORD HIGHWAY, NEAR ATLANTA, GA—continued.

Date	Sampler type, code (84164)	Sampling method, code (82398)
AUG 11-11	4115	50
AUG 11-11	4115	50
AUG 11-11	4115	50
AUG 11-11	4115	50
AUG 11-11	4115	50
AUG 11-11	4115	50
26...	3070	70
26...	3070	70
26...	3044	10
26...	3044	10

Date	Time	Ending time	Medium code	Gage height, feet (00065)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Aluminum, suspnd sedimnt total, percent (30221)	Antimony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryllium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chromium, suspnd sedimnt total, ug/g (29829)
AUG 11-11	1444	1555	1	6.92	81350	300	10	3.1	7.6	490	2	.7	81
AUG 11-11	1623	1725	1	6.80	81350	650	11	1.9	7.8	520	2	.6	56
26...	0720	--	1	3.95	81350	8.3	9.0	1.2	12	720	2	1.9	88

Date	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mercury suspnd sedimnt total, ug/g (29841)	Molybdenum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selenium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Strontium, suspnd sedimnt total, ug/g (35040)	Thallium, suspnd sedimnt ug/g (49955)	Titanium, suspnd sedimnt total, percent (30317)
AUG 11-11	18	58	4.3	80	34	--o	<3	30	1	<2	140	<150	.380
AUG 11-11	17	52	4.6	84	39	--o	<2	28	1	<1	97	<100	.430
26...	31	55	9.3	67	29	.13	3	46	1	2	80	<100	.330

Date	Vanadium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Sampler type, code (84164)	Sampling method, code (82398)
AUG 11-11	98	560	<150	238	4115	50
AUG 11-11	110	360	<100	580	4115	50
26...	110	570	<100	8	3070	70

02336120 NORTH FORK PEACHTREE CREEK AT BUFORD HIGHWAY, NEAR ATLANTA, GA—continued.

Date	Time	Medium code	Gage height, feet (00065)	Agency analyzing sample, code (00028)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)
AUG 26...	0801	9	3.95	80020	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1

Date	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)
AUG 26...	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2	<1	E.3

Date	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)
AUG 26...	E.1	<.5	<1	<.5	<.5	<2	<1	E.2	<.5	<5	<1	<.5	<1

Date	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)
AUG 26...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1

Date	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)
AUG 26...	<2	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5

Date	Tris(dichloroi-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
AUG 26...	<.5	<1.00	3044	10

02336120 NORTH FORK PEACHTREE CREEK AT BUFORD HIGHWAY, NEAR ATLANTA, GA—continued.

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this report:
   d -- Diluted sample: method hi range exceeded
   n -- Below the NDV

Null value qualifier codes used in this report:
   o -- Insufficient amount of water

APALACHICOLA RIVER BASIN
2003 Water Year

02336123 NORTH FORK PEACHTREE CREEK TRIBUTARY AT SHADY VALLEY DRIVE, NEAR ATLANTA, GA

LOCATION.—Lat 33°49'44", long 84°21'03" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130001, at culvert on Shady Valley Drive, 0.1 miles upstream of North Fork Peachtree Creek, and 0.2 miles east of Lenox Road.

DRAINAGE AREA.—3.47 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 28, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)
MAR													
20...	1344	81345	68	738	9.5	95	6.6	115	14.0	14.0	36	4	11.6
20...	1346	80020	--	--	--	--	--	--	--	--	--	--	--
20...	1400	81350	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	1030	81345	6.3	740	8.6	101	7.0	215	23.5	--	76	16	24.0
18...	1031	80020	--	--	--	--	--	--	--	--	--	--	--
18...	1032	81350	--	--	--	--	--	--	--	--	--	--	--
28...	0905	80020	15	740	6.0	71	7.1	225	23.0	26.0	--	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)
MAR													
20...	1.65	2.80	.3	4.23	19	31.6	<.1	3.79	<.02	10.2	11.2	69	.09
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	3.77	3.93	.6	11.9	24	59.9	.1	11.9	.2	26.3	20.1	143	.19
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336123 NORTH FORK PEACHTREE CREEK TRIBUTARY AT SHADY VALLEY DRIVE, NEAR ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)
MAR													
20...	.29	.222	.87	.870d	<.020	.034	.011	.04	1.39	3500	4600	38700	24.9
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	.05	.037	.86	.860d	<.100	.086	.028	.01	1.01	450	920	32600	45.5
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)
MAR													
20...	160	40	<50	170	--	--	--	--	--	--	--	--	--
20...	--	--	25	147	13	E.02	<.8	3.0	.28	.69	<.20	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	12	1.9
JUL													
18...	130	100	<50	210	--	--	--	--	--	--	--	--	--
18...	--	--	4	225	5	<.04	<.8	1.5	E.05n	.95	<.20	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	12	550	3	.6	70	12	44	4.2	71	43	1400	<.01	5
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	34	M	<.5	74	<100	.340	84	420	<100	32	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	<50	9.1	M
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336123 NORTH FORK PEACHTREE CREEK TRIBUTARY AT SHADY VALLEY DRIVE, NEAR ATLANTA, GA—continued.

Date	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	M	890	2	M	44	14	31	2.9	65	27	2400	.09	2
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	11	.3	<.5	78	.340	56	190	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	E1	M

Date	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<5	<1	<1	<5	<1	<2	E.2	<.5	<.5	<.5	<.5	M	<2
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<5	<1	<1	E1	<1	2	E.1	<.5	E.2	E.1	<.5	E.1	<2

Date	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<2	M	<.5	E.3	<.5	<1	M	<.5	<2	<1	E.1	<.5	<5
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	2	M	<.5	1.1	E.1	<1	<.5	<.5	4	M	.6	<.5	E5

02336123 NORTH FORK PEACHTREE CREEK TRIBUTARY AT SHADY VALLEY DRIVE, NEAR ATLANTA, GA—continued.

Date	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limo-nene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<1	<.5	<1	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<1	<.5	<1	E.1	E.1	<.5	M	<.5	<.5	<.5	E.2	<.5	<.5

Date	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<.5	<.5	M	<2	<.5	<.5	<.5	M	<.5	<.5	M	<1	<.5
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<.5	<.5	M	<2	M	.9	<.5	E.1	E.1	<.5	E.1	M	E.1

Date	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
MAR							
20...	--	--	--	--	--	3070	10
20...	M	E.4	E.1	E.1	<1.00	3070	10
20...	--	--	--	--	--	3070	10
JUL							
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	70
28...	E.1	E.3	E.1	E.1	<1.00	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
n -- Below the NDV

02336228 LULWATER CREEK AT LULWATER PARKWAY, AT ATLANTA, GA

LOCATION.—Lat 33°46'46", long 84°19'59" referenced to North American Datum (NAD) of 1927, Dekalb County, Hydrologic Unit Code 03130001, at culvert on Lulwater Parkway, 0.7 miles upstream of Peavine Creek, 0.4 miles northeast of US 23, GA 8, and 0.7 miles east of the Dekalb County line.

DRAINAGE AREA.—6.48 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—September 4 , 2003 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)
SEP													
04...	0915	9	1.2	81345	1.5	741	6.9	83	7.2	321	23.0	56	--
04...	0916	9	1.2	80020	1.5	741	6.9	83	7.2	321	23.0	--	--
04...	0930	9	1.2	81345	1.7	741	7.2	82	7.2	319	23.0	56	9
04...	0931	9	1.2	80020	1.7	741	7.2	82	7.2	319	23.0	--	--

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)
SEP													
04...	15.7	4.02	3.80	2	33.3	55	--	.1	52.8	.25	21.7	13.1	180
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
04...	15.6	4.04	3.65	2	33.5	55	47.2	.1	51.9	.2	22.0	13.1	179
04...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336228 LULWATER CREEK AT LULWATER PARKWAY, AT ATLANTA, GA—continued.

Date	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)
SEP													
04...	.25	.03	.024	1.44	--	<.020	.254	.083	.073	3.30	950	92	24600
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
04...	.24	.03	.022	1.47	1.47d	<.020	.248	.081	.07	3.30	--	--	--
04...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Sampler type, code (84164)
SEP													
04...	57.4	<100	80	<50	<100	--	--	--	--	--	--	--	3044
04...	--	--	--	4	9.7	6	E.02n	<.8	1.8	E.04n	.39	<.20	3044
04...	56.7	<100	80	<50	<100	--	--	--	--	--	--	--	3070
04...	--	--	--	4	8.8	6	<.04	<.8	1.8	E.04n	.39	<.20	3070

Date	Sam-pling method, code (82398)
SEP	
04...	10
04...	10
04...	70
04...	70

Date	Time	Medium code	Instan-taneous dis-charge, cfs (00061)	Agency ana-lyzing sample, code (00028)	Tur-bidity, water, unfltrd field, NTU (61028)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)
SEP													
04...	0945	1	1.2	81350	1.5	6.3	3.8	6.4	560	2	1.9	210	30

Date	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)
SEP													
04...	120	4.1	140	23	--o	9	120	1	<2	68	<150	.420	81

02336228 LULWATER CREEK AT LULWATER PARKWAY, AT ATLANTA, GA—continued.

Date	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Sampler type, code (84164)	Sampling method, code (82398)
SEP 04...	640	<150	2	3044	70

Date	Time	Medium code	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)
SEP 04...	0916	9	1.2	80020	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1

Date	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)
SEP 04...	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2	<1	<.5

Date	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)
SEP 04...	E.1	<.5	<1	<.5	<.5	<2	<1	E.1	<.5	<5	<1	<.5	<1

Date	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)
SEP 04...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M

Date	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)
SEP 04...	<2	<.5	.6	<.5	<.5	E.1	<.5	<.5	<1	<.5	<.5	<.5	E.1

02336228 LULWATER CREEK AT LULWATER PARKWAY, AT ATLANTA, GA—continued.

Date	Tris(dichloro-i-Pr)phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
SEP 04...	<.5	<1.00	3044	10

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
n -- Below the NDV

Null value qualifier codes used in this report:
o -- Insufficient amount of water

02336240 SOUTH FORK PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA

LOCATION.—Lat 33°48'10", long 84°20'27" referenced to North American Datum (NAD) of 1927, Hydrologic Unit 03070101, Dekalb County, on downstream side of bridge on Johnson Road, 0.20 miles east of US 23, 0.85 miles downstream of Peavine Creek and 2.8 miles upstream of confluence with Peachtree Creek.

DRAINAGE AREA.—28.7 square miles.

COOPERATION.—City of Atlanta.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 30, 2003 to September 30, 2003.

GAGE.—Satellite telemetry with water-stage recorder and continuous water-quality monitor. Datum of gage is 829.58 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels from U.S. Army Corps of Engineers).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.99 feet, May 6; minimum gage-height recorded, 3.06 feet, September 19.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 30, 2003 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70* CONTRIBUTING DRAINAGE AREA DATUM

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	3.40	3.26	7.26	3.72	3.16
2	---	---	---	---	---	---	---	3.75	3.25	4.60	3.43	3.21
3	---	---	---	---	---	---	---	3.77	3.84	3.67	4.09	3.43
4	---	---	---	---	---	---	---	3.30	3.48	3.50	3.86	3.26
5	---	---	---	---	---	---	---	4.51	3.27	3.89	3.35	3.30
6	---	---	---	---	---	---	---	9.19	3.43	3.72	3.55	3.26
7	---	---	---	---	---	---	---	5.12	4.89	3.45	3.82	3.19
8	---	---	---	---	---	---	---	4.50	3.47	3.46	3.63	3.23
9	---	---	---	---	---	---	---	3.65	3.30	3.44	3.32	3.22
10	---	---	---	---	---	---	---	3.49	3.29	4.59	3.32	3.20
11	---	---	---	---	---	---	---	3.64	3.32	3.91	3.35	3.20
12	---	---	---	---	---	---	---	3.46	3.33	3.47	3.36	3.19
13	---	---	---	---	---	---	---	3.35	4.50	3.42	3.40	3.17
14	---	---	---	---	---	---	---	3.32	3.63	3.54	3.33	3.65
15	---	---	---	---	---	---	---	4.32	3.34	3.41	3.36	3.57
16	---	---	---	---	---	---	---	6.00	3.77	3.38	3.62	3.16
17	---	---	---	---	---	---	---	3.90	7.39	3.32	4.13	3.12
18	---	---	---	---	---	---	---	5.60	---	3.29	3.32	3.08
19	---	---	---	---	---	---	---	3.89	4.67	3.28	3.32	3.08
20	---	---	---	---	---	---	---	3.59	3.74	3.30	3.60	3.08
21	---	---	---	---	---	---	---	3.69	3.49	3.57	3.29	3.07
22	---	---	---	---	---	---	---	6.59	3.40	3.65	3.22	4.56
23	---	---	---	---	---	---	---	3.95	3.35	4.96	3.26	3.61
24	---	---	---	---	---	---	---	3.61	3.32	3.51	3.26	3.21
25	---	---	---	---	---	---	---	3.49	3.29	3.34	3.30	3.15
26	---	---	---	---	---	---	---	3.47	3.27	3.33	3.23	3.14
27	---	---	---	---	---	---	---	3.39	3.26	3.33	3.35	3.13
28	---	---	---	---	---	---	---	3.35	4.02	3.33	3.37	3.32
29	---	---	---	---	---	---	---	3.33	3.32	3.33	3.36	3.11
30	---	---	---	---	---	---	3.25	3.30	3.36	4.39	3.49	3.10
31	---	---	---	---	---	---	---	3.29	---	4.00	3.26	---
MEAN	---	---	---	---	---	---	---	4.10	---	3.76	3.46	3.27
MAX	---	---	---	---	---	---	---	9.19	---	7.26	4.13	4.56
MIN	---	---	---	---	---	---	---	3.29	---	3.28	3.22	3.07

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70* CONTRIBUTING DRAINAGE AREA DATUM

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	0.00	0.00	2.74	0.00	0.00
2	---	---	---	---	---	---	---	0.22	0.00	0.01	0.00	0.00
3	---	---	---	---	---	---	---	0.01	0.53	0.00	0.94	0.00
4	---	---	---	---	---	---	---	0.00	0.07	0.00	0.00	0.00
5	---	---	---	---	---	---	---	2.48	0.00	0.69	0.03	0.00
6	---	---	---	---	---	---	---	1.59	0.43	0.00	0.05	0.00
7	---	---	---	---	---	---	---	0.75	0.91	0.00	0.40	0.00
8	---	---	---	---	---	---	---	0.00	0.00	0.02	0.00	0.00
9	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	---	0.00	0.00	1.13	0.00	0.00
11	---	---	---	---	---	---	---	0.29	0.23	0.02	0.00	0.00
12	---	---	---	---	---	---	---	0.00	0.05	0.00	0.07	0.00
13	---	---	---	---	---	---	---	0.00	1.44	0.12	0.08	0.00
14	---	---	---	---	---	---	---	0.01	0.00	0.05	0.00	0.79
15	---	---	---	---	---	---	---	0.95	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	---	1.83	0.48	0.02	0.12	0.00
17	---	---	---	---	---	---	---	0.86	1.10	0.00	0.00	0.00
18	---	---	---	---	---	---	---	1.77	1.37	0.00	0.00	0.00
19	---	---	---	---	---	---	---	0.00	0.24	0.03	0.12	0.00
20	---	---	---	---	---	---	---	0.01	0.00	0.00	0.01	0.00
21	---	---	---	---	---	---	---	0.43	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	---	1.14	0.00	0.40	0.00	1.66
23	---	---	---	---	---	---	---	0.00	0.00	1.02	0.00	0.00
24	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
25	---	---	---	---	---	---	---	0.02	0.00	0.00	0.00	0.00
26	---	---	---	---	---	---	---	0.01	0.00	0.00	0.00	0.00
27	---	---	---	---	---	---	---	0.00	0.02	0.02	0.55	0.06
28	---	---	---	---	---	---	---	0.00	0.66	0.00	0.44	0.00
29	---	---	---	---	---	---	---	0.00	0.00	0.00	0.08	0.00
30	---	---	---	---	---	---	0.00	0.00	0.62	1.05	0.26	0.00
31	---	---	---	---	---	---	---	0.00	---	0.19	0.01	---
TOTAL	---	---	---	---	---	---	---	12.37	8.15	7.51	3.16	2.51

APALACHICOLA RIVER BASIN
2003 Water Year

02336240 SOUTH FORK PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA

LOCATION.—Lat. 33°48'10", Long. 84°20'27" referenced to North American Datum (NAD) of 1927, Dekalb County, Hydrologic Unit 03070101, on the downstream side bridge on Johnson Road, 0.2 miles east of US 23, 0.9 miles downstream of Peavine Creek and 2.8 miles upstream of confluence with Peachtree Creek.

DRAINAGE AREA.—28.7 square miles, approximately.

COOPERATION.—City of Atlanta.

PERIOD OF RECORD.—June 3, 2003 to September 30, 2003.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: June 6, 2003 to September 30, 2003.
pH: June 6, 2003 to September 30, 2003.
WATER TEMPERATURE: June 6, 2003 to September 30, 2003.
DISSOLVED OXYGEN: June 6, 2003 to September 30, 2003.
TURBIDITY: June 6, 2003 to September 30, 2003.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good, except for turbidity and dissolved oxygen which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 249 microsiemens, July 19, 2003; minimum recorded, 28 microsiemens, June 17, July 1, 2003.
pH: Maximum recorded, 8.4 units, June 16, 2003; minimum recorded, 6.4 units, June 18, 2003.
WATER TEMPERATURE: Maximum recorded, 27.0°C, July 29, 2003; minimum recorded, 14.1°C, September 30, 2003.
DISSOLVED OXYGEN: Maximum recorded, 10.3 mg/L, September 13, 2003; minimum recorded, 6.4 mg/L, September 20, 22, 2003.
TURBIDITY: Maximum recorded, >2,200 NTU, on several days; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
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U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
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WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	116	28	67	109	60	93	122	111	119
2	---	---	---	102	43	78	114	76	99	126	115	123
3	---	---	---	127	102	111	121	61	90	121	92	107
4	---	---	---	122	103	116	94	63	76	125	102	114
5	---	---	---	118	74	105	115	94	106	133	125	131
6	---	---	---	102	65	84	117	90	104	132	128	130
7	101	34	60	117	102	112	117	62	104	131	127	130
8	125	67	93	126	116	122	102	63	84	128	125	126
9	122	108	117	132	122	127	118	102	111	133	125	127
10	132	120	126	132	42	106	122	115	119	130	127	129
11	138	117	130	105	51	82	123	114	119	144	130	137
12	125	121	124	123	105	116	124	115	118	145	140	142
13	131	36	96	131	123	127	127	120	123	142	135	139
14	100	49	79	142	110	126	126	121	123	138	61	122
15	122	100	113	130	110	123	126	122	125	102	68	86
16	128	42	104	128	120	125	129	61	123	117	102	112
17	80	28	44	131	127	129	95	53	77	128	117	122
18	88	30	58	132	129	131	111	95	105	136	124	130
19	88	43	71	249	132	143	124	111	115	135	127	130
20	107	73	94	134	128	132	117	99	104	131	127	128
21	119	107	113	133	89	104	114	102	109	137	129	133
22	134	119	124	132	83	107	120	114	117	135	41	100
23	131	126	129	93	48	65	129	120	124	90	47	75
24	134	130	132	105	65	89	125	116	121	114	90	105
25	140	134	136	121	105	116	123	115	119	124	114	120
26	140	134	136	129	121	126	119	111	115	130	124	127
27	140	134	136	134	121	126	116	99	112	132	127	129
28	135	60	87	129	114	124	118	99	112	168	116	126
29	112	77	97	133	119	127	117	106	111	131	121	125
30	132	104	118	132	57	92	153	81	112	129	123	126
31	---	---	---	93	55	77	111	88	99	---	---	---
MONTH	---	---	---	249	28	110	153	53	109	168	41	122

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pH, water, unfiltered, field, standard units
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pH, water, unfiltered, field, standard units
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		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	7.3	6.7	7.1	7.3	7.1	7.2	7.3	7.2	7.3
2	---	---	---	7.1	6.7	7.0	7.3	7.0	7.2	7.4	7.3	7.3
3	---	---	---	7.3	7.1	7.2	7.5	7.0	7.3	7.4	7.2	7.3
4	---	---	---	7.3	7.1	7.2	7.2	7.1	7.1	7.3	7.2	7.3
5	---	---	---	7.3	7.1	7.2	7.3	7.2	7.3	7.4	7.3	7.3
6	---	---	---	7.2	7.0	7.0	7.4	7.2	7.3	7.5	7.3	7.4
7	7.3	6.8	7.0	7.2	7.1	7.2	7.4	7.0	7.3	7.6	7.4	7.4
8	7.1	7.0	7.1	7.3	7.2	7.2	7.2	7.0	7.1	7.6	7.2	7.4
9	7.2	7.0	7.1	7.4	7.2	7.3	7.3	7.2	7.3	7.6	7.2	7.4
10	7.3	7.1	7.1	7.4	6.9	7.3	7.5	7.3	7.4	7.6	7.1	7.2
11	7.2	7.1	7.1	7.2	7.0	7.1	7.5	7.3	7.4	7.6	7.1	7.2
12	7.1	7.0	7.1	7.3	7.2	7.2	7.5	7.3	7.4	7.6	7.1	7.2
13	7.3	6.8	7.1	7.3	7.2	7.3	7.4	7.3	7.4	7.6	7.1	7.2
14	7.1	7.0	7.1	7.4	7.2	7.3	7.4	7.3	7.3	7.6	6.8	7.1
15	7.2	7.1	7.2	7.3	7.2	7.3	7.5	7.3	7.4	6.9	6.8	6.9
16	8.4	6.8	7.2	7.4	7.3	7.3	7.5	6.8	7.4	7.1	6.9	7.0
17	6.9	6.5	6.6	7.4	7.3	7.3	7.1	6.6	7.0	7.2	7.0	7.1
18	7.0	6.4	6.8	7.5	7.3	7.4	7.3	7.1	7.2	7.2	7.1	7.1
19	7.1	6.7	6.9	7.6	7.3	7.4	7.4	7.2	7.3	7.3	7.1	7.1
20	7.2	6.9	7.0	7.6	7.3	7.4	7.3	7.2	7.2	7.3	7.1	7.1
21	7.4	7.1	7.2	7.5	7.2	7.2	7.3	7.2	7.3	7.3	7.1	7.2
22	7.2	7.2	7.2	7.4	7.1	7.2	7.4	7.3	7.3	7.2	6.6	7.1
23	7.2	7.2	7.2	7.6	7.0	7.0	7.5	7.3	7.4	6.9	6.6	6.9
24	7.3	7.2	7.2	7.2	7.0	7.2	7.5	7.3	7.4	7.0	6.9	7.0
25	7.3	7.2	7.2	7.3	7.2	7.3	7.6	7.4	7.4	7.1	7.0	7.1
26	7.4	7.2	7.3	7.4	7.3	7.4	7.6	7.4	7.4	7.2	7.0	7.1
27	7.6	7.3	7.3	7.4	7.3	7.3	8.1	7.2	7.4	7.2	7.1	7.1
28	7.3	7.1	7.1	7.4	7.3	7.3	7.3	7.1	7.2	7.3	7.1	7.2
29	7.2	7.0	7.2	7.5	7.3	7.4	7.3	7.1	7.2	7.2	7.1	7.1
30	7.3	7.1	7.2	7.4	7.0	7.2	7.3	7.0	7.2	7.2	7.1	7.2
31	---	---	---	7.3	7.0	7.1	7.2	7.0	7.2	---	---	---
MAX	---	---	---	7.6	7.3	7.4	8.1	7.4	7.4	7.6	7.4	7.4
MIN	---	---	---	7.1	6.7	7.0	7.1	6.6	7.0	6.9	6.6	6.9

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Temperature, water, degrees Celsius
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U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM DD
#4, DCP

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
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STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	21.7	20.6	21.1	25.7	22.9	24.2	26.8	23.9	24.9
2	---	---	---	21.7	20.8	21.2	26.0	23.8	24.6	26.1	23.4	24.5
3	---	---	---	23.3	20.3	21.9	24.2	22.9	23.8	25.3	23.5	24.4
4	---	---	---	24.7	21.9	23.1	24.5	23.1	23.7	26.1	23.6	24.5
5	---	---	---	24.5	22.4	23.1	25.8	23.2	24.2	25.1	22.4	23.6
6	---	---	---	24.5	22.5	23.3	24.1	22.5	23.6	23.9	21.8	22.9
7	22.3	20.6	21.4	25.1	22.4	23.6	25.2	21.9	23.2	21.8	20.7	21.1
8	23.5	21.3	22.2	25.6	22.9	24.2	25.0	23.0	23.9	22.9	19.8	21.4
9	23.6	20.6	22.1	25.8	23.1	24.3	24.9	22.1	23.5	23.3	19.7	21.3
10	23.9	20.1	22.1	24.5	23.3	23.7	24.9	22.4	23.5	22.4	20.2	21.2
11	24.7	21.5	22.9	24.2	22.5	23.4	24.7	22.1	23.2	22.9	19.6	21.1
12	23.9	21.8	22.7	24.8	22.3	23.6	24.0	21.7	22.9	22.9	19.3	20.8
13	23.6	21.6	22.5	25.3	22.3	23.6	24.7	22.5	23.4	22.9	19.1	20.9
14	23.6	22.0	22.7	24.5	22.3	23.2	26.3	22.8	24.3	23.9	20.3	21.6
15	24.1	21.6	22.9	25.5	22.3	23.7	26.8	23.5	24.9	23.6	21.0	22.3
16	24.4	22.1	23.1	25.3	22.5	23.8	26.4	24.0	25.0	22.7	19.6	21.1
17	22.9	21.3	22.1	26.0	22.7	24.2	25.5	23.3	24.4	22.7	19.3	20.7
18	22.9	21.8	22.3	26.0	22.8	24.2	26.4	23.9	24.9	22.2	18.1	20.0
19	23.8	21.5	22.5	26.2	23.2	24.5	26.7	23.8	25.1	22.2	18.4	20.3
20	23.8	21.8	22.7	26.7	23.3	24.8	25.4	24.0	24.5	23.2	19.3	21.1
21	22.5	19.4	21.0	26.2	23.9	24.8	26.5	23.4	24.7	22.6	19.9	21.3
22	22.3	18.8	20.6	25.5	23.3	24.2	26.5	23.4	24.8	23.0	21.4	22.1
23	23.1	19.6	21.3	24.4	22.0	23.2	26.7	23.6	25.0	22.6	20.4	21.6
24	23.8	20.6	21.9	24.7	21.6	23.0	26.6	23.5	25.0	21.6	18.9	20.3
25	24.2	21.0	22.5	24.3	21.2	22.8	26.6	24.1	25.1	21.9	19.0	20.4
26	23.8	21.3	22.6	25.7	22.2	23.6	26.9	23.6	24.9	22.0	19.1	20.5
27	23.4	21.2	22.2	25.4	22.3	23.8	26.7	23.6	24.9	22.7	19.5	20.9
28	22.6	20.8	21.8	26.4	23.0	24.5	25.8	23.4	24.6	21.1	17.7	19.8
29	24.2	21.7	22.7	27.0	23.4	24.9	25.4	23.6	24.5	18.3	15.5	16.8
30	23.9	21.7	22.4	24.8	23.1	23.9	26.4	23.4	24.6	17.7	14.1	15.9
31	---	---	---	25.4	23.6	24.3	26.6	23.8	24.9	---	---	---
MONTH	---	---	---	27.0	20.3	23.6	26.9	21.7	24.3	26.8	14.1	21.3

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Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
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U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
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U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	9.5	8.5	9.2	8.1	7.2	7.9	---	---	---
2	---	---	---	9.3	8.6	8.9	7.7	7.1	7.5	---	---	---
3	---	---	---	9.0	8.1	8.7	8.4	7.1	7.9	---	---	---
4	---	---	---	8.6	7.9	8.4	8.2	7.6	8.0	---	---	---
5	---	---	---	8.8	8.1	8.5	8.1	7.6	7.8	---	---	---
6	---	---	---	8.8	8.0	8.4	8.0	7.6	7.9	---	---	---
7	8.5	7.6	8.0	8.6	8.0	8.3	8.4	7.5	8.1	---	---	---
8	7.9	7.4	7.7	8.7	7.9	8.3	7.9	7.5	7.7	---	---	---
9	8.0	7.4	7.8	8.8	7.9	8.2	8.1	7.5	7.8	---	---	---
10	8.3	7.2	7.7	8.9	8.0	8.5	8.0	7.6	7.8	10.0	7.7	8.5
11	8.1	6.9	7.6	8.6	8.0	8.4	8.2	7.5	7.8	9.9	7.7	8.5
12	7.8	6.9	7.4	---	---	---	8.3	7.5	7.9	10.1	7.8	8.5
13	8.4	7.1	7.9	---	---	---	8.2	7.5	7.7	10.3	7.6	8.6
14	8.2	8.0	8.1	---	---	---	---	---	---	10.1	7.6	8.4
15	8.5	8.1	8.3	---	---	---	---	---	---	7.8	6.7	7.2
16	8.8	7.9	8.3	---	---	---	---	---	---	8.0	7.3	7.6
17	9.4	8.1	8.8	---	---	---	---	---	---	8.3	7.4	7.8
18	9.0	8.1	8.4	---	---	---	---	---	---	8.6	7.6	8.0
19	---	---	---	---	---	---	---	---	---	8.8	7.2	8.0
20	---	---	---	---	---	---	---	---	---	8.0	6.4	7.3
21	---	---	---	---	---	---	---	---	---	8.9	7.1	7.9
22	---	---	---	---	---	---	---	---	---	8.1	6.4	7.3
23	---	---	---	---	---	---	---	---	---	7.9	7.5	7.7
24	---	---	---	---	---	---	---	---	---	8.2	7.7	7.9
25	9.0	8.2	8.5	---	---	---	---	---	---	8.2	7.7	7.9
26	9.0	8.2	8.5	8.2	7.7	7.9	---	---	---	8.4	7.7	8.0
27	9.3	8.2	8.7	8.3	7.5	7.9	---	---	---	8.5	7.5	8.0
28	9.0	8.1	8.5	8.3	7.5	7.8	---	---	---	8.3	7.5	8.0
29	8.6	8.1	8.3	8.5	7.5	7.9	---	---	---	9.1	8.0	8.6
30	8.8	7.9	8.4	8.2	7.4	7.8	---	---	---	9.5	8.7	9.1
31	---	---	---	8.1	7.5	7.8	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
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MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM
Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336240 S.F. PEACHTREE CREEK, JOHNSON RD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 089
LATITUDE 334810 LONGITUDE 0842027 NAD27 DRAINAGE AREA 28.70 CONTRIBUTING DRAINAGE AREA DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	1700	23	300	390	19	40	37	5.5	6.8
2	---	---	---	290	35	83	180	10	18	54	5.4	8.0
3	---	---	---	170	16	24	1200	6.9	160	220	20	32
4	---	---	---	40	9.7	15	600	16	46	---	---	---
5	---	---	---	620	15	54	19	7.4	9.7	---	---	---
6	---	---	---	250	22	48	120	7.6	20	---	---	---
7	970	38	130	45	9.4	13	450	6.4	9.6	---	---	---
8	65	13	23	160	6.3	8.2	490	20	86	---	---	---
9	110	9.0	15	10	5.0	7.2	20	7.4	11	---	---	---
10	61	6.8	9.0	>2200	5.2	7.7	23	6.3	8.3	13	<5.0	5.0
11	73	6.1	8.3	260	22	60	36	6.6	9.5	11	<5.0	5.3
12	36	7.1	11	24	8.5	13	20	6.6	9.3	13	<5.0	<5.0
13	>2200	6.1	11	59	6.8	8.4	28	5.3	7.7	24	<5.0	<5.0
14	280	24	61	99	6.7	11	26	5.2	8.1	810	<5.0	5.1
15	25	8.7	12	110	12	17	30	<5.0	5.6	280	29	69
16	730	8.1	16	110	6.1	8.1	1200	<5.0	18	36	6.7	10
17	1200	130	440	210	6.2	7.9	1100	36	240	17	<5.0	6.5
18	>2200	75	360	12	<5.0	6.5	1100	17	29	8.9	<5.0	5.0
19	400	84	210	130	<5.0	7.2	700	13	20	11	<5.0	5.1
20	180	25	52	160	<5.0	9.8	350	15	34	11	<5.0	<5.0
21	36	17	23	140	6.4	46	27	7.1	11	9.1	<5.0	<5.0
22	25	11	13	760	6.8	15	13	<5.0	6.4	>2200	<5.0	10
23	87	11	13	>2200	59	240	16	<5.0	6.5	260	35	62
24	83	8.5	12	130	18	28	14	<5.0	5.7	35	8.0	14
25	28	5.9	9.3	20	7.1	9.7	11	<5.0	<5.0	9.6	5.2	7.1
26	380	5.6	6.7	21	<5.0	6.9	9.1	<5.0	<5.0	21	5.2	8.5
27	130	5.8	7.2	15	6.2	9.1	500	<5.0	8.5	35	<5.0	6.4
28	870	7.8	100	21	<5.0	6.5	520	9.1	29	60	5.4	12
29	45	9.6	17	83	<5.0	6.8	98	8.2	20	56	6.8	11
30	510	7.2	10	>2200	6.0	160	350	8.8	18	15	5.4	7.7
31	---	---	---	370	38	91	66	7.9	18	---	---	---
MAX	---	---	---	2200	59	300	1200	36	240	---	---	---
MIN	---	---	---	10	5.0	6.5	9.1	5.0	5.0	---	---	---

> Actual value is known to be greater than the value shown
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02336240 SOUTH FORK PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA

LOCATION.—Lat 33°48'10", long 84°20'27" referenced to North American Datum (NAD) of 1927, Dekalb County, Hydrologic Unit Code 03070101, on right downstream side of Johnson Road, 0.2 miles east of US 23, 0.8 miles downstream of Peavine Creek, and 2.8 miles upstream of confluence with Peachtree Creek.

DRAINAGE AREA.—28.7 square miles, approximately.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—June 3, 2003 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

02336240 SOUTH FORK PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Medium code	Gage height, feet (00065)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)
AUG 11-11	2103	2120	9	3.60	81345	28	--	7.9	--	7.4	117	23.0	36
AUG 11-11	2104	2121	9	3.60	80020	28	--	7.9	--	7.4	117	23.0	--
AUG 11-11	2148	2200	9	3.61	81345	36	--	7.9	--	7.5	114	23.0	37
AUG 11-11	2149	2201	9	3.61	80020	36	--	7.9	--	7.5	114	23.0	--
AUG 13-13	2046	2055	9	3.69	81345	24	--	7.5	--	7.4	121	24.0	39
AUG 13-13	2047	2056	9	3.69	80020	24	--	7.5	--	7.4	121	24.0	--
AUG 13-13	2118	2145	9	3.64	81345	25	--	7.6	--	7.4	120	24.0	39
AUG 13-13	2119	2146	9	3.64	80020	25	--	7.6	--	7.4	120	24.0	--
AUG 19-20	2357	0044	9	3.93	81345	160	--	--	--	--	--	25.0	33
AUG 19-20	2358	0045	9	3.93	80020	160	--	--	--	--	--	25.0	--
AUG 20-20	0127	0259	9	3.78	81345	180	--	--	--	--	--	24.0	32
AUG 20-20	0128	0300	9	3.78	80020	180	--	--	--	--	--	24.0	--
AUG 20-20	0342	0514	9	3.97	81345	84	--	--	--	--	--	24.5	33
AUG 20-20	0343	0515	9	3.97	80020	84	--	--	--	--	--	24.5	--
AUG 20-20	0557	0814	9	3.89	81345	100	--	--	--	--	--	24.0	29
AUG 20-20	0558	0815	9	3.89	80020	100	--	--	--	--	--	24.0	--
26...	0900	--	9	3.20	81345	4.0	741	8.0	98	7.3	136	24.0	47
26...	0901	--	9	3.20	80020	4.0	741	8.0	98	7.3	136	24.0	--
26...	0915	--	9	3.24	81345	6.6	741	8.0	98	7.3	134	24.0	42
26...	0916	--	9	3.24	80020	6.6	741	8.0	98	7.3	134	24.0	--

02336240 SOUTH FORK PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Noncarb hard-ness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alka-linity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
AUG 11-11	.0	10.1	2.51	2.43	.4	4.80	21	35.0	<.1	6.61	.1	15.8	6.0
AUG 11-11	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 11-11	1	10.4	2.58	2.50	.4	4.90	21	35.1	<.1	6.48	.1	16.2	5.8
AUG 11-11	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 13-13	3	10.9	2.84	2.60	.4	5.61	22	36.1	<.1	7.34	.1	17.3	6.5
AUG 13-13	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 13-13	3	10.9	2.89	2.61	.4	5.62	22	35.7	<.1	7.43	.1	17.5	6.4
AUG 13-13	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 19-20	5	9.54	2.17	2.92	.3	3.99	19	27.4	<.1	5.23	.1	12.4	8.5
AUG 19-20	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 20-20	7	9.28	2.15	3.43	.3	3.83	19	25.4	<.1	5.15	.1	11.3	9.4
AUG 20-20	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 20-20	4	9.37	2.29	2.87	.3	4.38	21	29.0	<.1	5.59	.1	14.8	6.8
AUG 20-20	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 20-20	3	8.36	1.94	2.58	.3	3.83	21	26.0	<.1	5.02	.1	12.6	6.7
AUG 20-20	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	13.9	2.85	2.83	.5	7.87	25	48.3	.1	8.26	.1	19.5	6.1
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	2	11.7	3.10	2.79	.4	6.10	23	40.3	.1	7.85	.1	18.1	6.4
26...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336240 SOUTH FORK PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Total nitrogen, wat flt by analysis, mg/L (62854)	E coli, Colilert Quantry water, MPN/ 100 mL (50468)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)
AUG 11-11	73	.10	.02	.019	.78	.780d	<.100	--	<.030	M	1.07	--	--
AUG 11-11	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 11-11	73	.10	.02	.015	.76	.760d	<.100	--	<.104	<.004	1.04	--	--
AUG 11-11	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 13-13	79	.11	.02	.012	.88	.880d	<.100	--	<.048	M	1.18	--	--
AUG 13-13	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 13-13	79	.11	.03	.026	.88	.880d	<.100	--	<.008	M	1.29	--	--
AUG 13-13	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 19-20	66	.09	.35	.270	.87	--	<.100	--	<.050	M	1.61	--	--
AUG 19-20	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 20-20	65	.09	.21	.165	1.04	--	<.100	.083	.027	.03	1.67	24000	--
AUG 20-20	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 20-20	67	.09	.06	.050	.79	--	<.100	.012	.004	M	1.18	8100	100000k
AUG 20-20	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 20-20	60	.08	.05	.042	.78	--	<.100	--	<.084	<.002	1.17	6600	230000k
AUG 20-20	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	94	.13	.04	.028	.63	.630d	<.020	--	<.034	.01	.80	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	84	.11	.02	.017	.73	.730d	<.020	--	<.080	M	.90	410	570
26...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336240 SOUTH FORK PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)
AUG 11-11	--	23.9	<100	50	<50	<100	--	--	--	--	--	--	--
AUG 11-11	--	--	--	--	3	23.8	9	<.04	<.8	1.2	<.08	.86	<.20
AUG 11-11	--	24.3	<100	50	<50	<100	--	--	--	--	--	--	--
AUG 11-11	--	--	--	--	3	15.4	4	<.04	<.8	1.1	<.08	1.01	<.20
AUG 13-13	--	27.1	<100	50	<50	<100	--	--	--	--	--	--	--
AUG 13-13	--	--	--	--	3	31.1	5	<.04	<.8	2.1	<.08	.82	<.20
AUG 13-13	--	26.4	<100	50	<50	<100	--	--	--	--	--	--	--
AUG 13-13	--	--	--	--	3	22.1	6	<.04	<.8	1.5	E.06n	.88	<.20
AUG 19-20	--	24.3	<100	40	<50	<100	--	--	--	--	--	--	--
AUG 19-20	--	--	--	--	8	42.1	14	E.03n	<.8	9.8	.24	.97	<.20
AUG 20-20	730000	24.9	<100	40	<50	<100	--	--	--	--	--	--	--
AUG 20-20	--	--	--	--	9	12.6	7	E.02n	<.8	5.9	.29	.72	<.20
AUG 20-20	490000	24.1	<100	40	<50	<100	--	--	--	--	--	--	--
AUG 20-20	--	--	--	--	6	12.3	4	<.04	<.8	2.4	.10	.66	<.20
AUG 20-20	460000	21.9	<100	40	<50	<100	--	--	--	--	--	--	--
AUG 20-20	--	--	--	--	6	13.6	4	<.04	<.8	2.3	.12	.67	<.20
26...	--	26.5	<100	60	<50	210	--	--	--	--	--	--	--
26...	--	--	--	--	3	187	6	<.04	<.8	.8	<.08	.68	<.20
26...	28000	29.0	<100	60	<50	<100	--	--	--	--	--	--	--
26...	27600	--	--	--	4	78.5	4	<.04	<.8	1.1	<.08	.64	<.20

02336240 SOUTH FORK PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Sampler type, code (84164)	Sampling method, code (82398)
AUG 11-11	4115	50
AUG 11-11	4115	50
AUG 11-11	4115	50
AUG 11-11	4115	50
AUG 13-13	4115	50
AUG 13-13	4115	50
AUG 13-13	4115	50
AUG 13-13	4115	50
AUG 19-20	4115	50
AUG 19-20	4115	50
AUG 20-20	4115	50
AUG 20-20	4115	50
AUG 20-20	4115	50
AUG 20-20	4115	50
AUG 20-20	4115	50
AUG 20-20	4115	50
26...	3070	70
26...	3070	70
26...	3044	10
26...	3044	10

Date	Time	Ending time	Medium code	Gage height, feet (00065)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Aluminum, suspnd sedimnt total, percent (30221)	Antimony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryllium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chromium, suspnd sedimnt total, ug/g (29829)
AUG 11-11	2103	2120	1	3.60	81350	28	4.0	1.5	4.8	440	M	1.4	47
AUG 19-20	2357	0044	1	3.93	81350	160	8.9	1.6	5.1	680	2	.6	73
AUG 20-20	0127	0259	1	3.78	81350	180	9.9	2.6	8.7	530	2	.8	86
AUG 20-20	0342	0514	1	3.97	81350	84	7.5	1.9	6.2	490	1	.4	80
AUG 20-20	0557	0814	1	3.89	81350	100	7.0	2.6	6.1	470	1	.6	62
26...	0845	--	1	3.20	81350	4.0	6.9	1.4	18	780	2	2.4	150

02336240 SOUTH FORK PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)
AUG 11-11	13	34	2.7	37	18	1600	--o	<3	23	M	<2	400	<150
AUG 19-20	20	120	4.0	69	32	1100	.14	<2	32	M	<1	160	<100
AUG 20-20	26	120	4.8	110	40	1600	.10	<2	46	2	<1	160	<100
AUG 20-20	18	75	3.7	56	28	1400	--o	<2	41	1	<1	240	<100
AUG 20-20	14	56	3.6	50	28	900	--o	3	31	1	<1	290	<100
26...	55	79	10	86	22	15000	--o	4	91	2	<1	85	<100

Date	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Sampler type, code (84164)	Sam-pling method, code (82398)
AUG 11-11	.280	53	360	<150	77	4115	50
AUG 19-20	.510	100	300	<100	253	4115	50
AUG 20-20	.540	110	420	<100	211	4115	50
AUG 20-20	.440	83	260	<100	95	4115	50
AUG 20-20	.380	81	200	<100	83	4115	50
26...	.410	130	930	<100	2	3070	70

Date	Time	Medium code	Gage height, feet (00065)	Agency ana-lyzing sample, code (00028)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)
AUG 26...	0916	9	3.24	80020	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1

Date	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)
AUG 26...	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2	<1	E.4

02336240 SOUTH FORK PEACHTREE CREEK AT JOHNSON ROAD, NEAR ATLANTA, GA—continued.

Date	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)
AUG 26...	E.1	<.5	<1	<.5	<.5	<2	<1	E.1	<.5	<5	<1	<.5	<1

Date	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)
AUG 26...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1

Date	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)
AUG 26...	<2	<.5	.8	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5

Date	Tris(dichloroi-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
AUG 26...	<.5	<1.00	3044	10

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the NDV

Null value qualifier codes used in this report:
o -- Insufficient amount of water

APALACHIOLA RIVER BASIN
2003 Water Year

02336255 SOUTH FORK PEACHTREE CREEK TRIBUTARY AT WELLBOURNE DRIVE, AT ATLANTA, GA

LOCATION.—Lat 33°48'26", long 84°21'36" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130001, at culvert on Wellbourne Drive, 0.2 miles upstream of South Fork Peachtree Creek, and 0.3 miles east of Lenox Road.

DRAINAGE AREA.—0.15 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 28, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)
MAR													
20...	1035	81350	--	--	--	--	--	--	--	--	--	--	--
20...	1040	81345	19	738	8.9	88	6.3	178	13.5	--	59	9	17.1
20...	1041	80020	--	--	--	--	--	--	--	--	--	--	--
20...	1045	81350	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	0800	81345	3.2	740	8.1	92	7.0	254	20.0	--	86	15	23.9
18...	0801	80020	--	--	--	--	--	--	--	--	--	--	--
18...	0802	81350	--	--	--	--	--	--	--	--	--	--	--
28...	0810	80020	--	739	7.6	87	7.0	250	20.5	25.5	--	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	3.96	3.16	.3	5.98	17	49.7	M	7.61	<.02	19.3	19.8	113	.15
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	6.30	3.55	.6	12.5	23	70.4	.2	16.4	<.1	34.1	25.9	170	.23
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336255 SOUTH FORK PEACHTREE CREEK TRIBUTARY AT WELLBOURNE DRIVE, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	.06	.049	1.30	1.30d	<.020	.031	.010	.03	1.53	1700	2500	19900	34.2
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	.02	.016	.95	.950d	<.100	.282	.092	.01	1.11	370	1260	43500	43.1
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	7.0	1.0
20...	190	60	<50	<100	--	--	--	--	--	--	--	--	--
20...	--	--	24	78.9	19	.04	<.8	2.2	.37	.99	<.2	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	7.0	1.0
JUL													
18...	<100	100	<50	<100	--	--	--	--	--	--	--	--	--
18...	--	--	2	67.0	4	E.03n	<.8	1.0	E.05n	1.21	<.20	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)
MAR													
20...	2.7	320	1	.9	39	8	22	2.0	67	22	430	<.01	4
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	2.7	320	1	.9	39	8	22	2.0	67	22	430	<.01	4
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
MAR													
20...	20	M	<1	66	<100	.310	63	220	<100	60	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	20	M	<1	66	<100	.310	63	220	<100	60	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	9.2	M	M
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336255 SOUTH FORK PEACHTREE CREEK TRIBUTARY AT WELLBOURNE DRIVE, AT ATLANTA, GA—continued.

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	630	2	M	62	18	95	4.5	120	34	1400	.10	2	21
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	.6	<.5	110	.500	130	<50	280	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1

Date	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<5	<1	<1	<5	<1	<2	E.1	<.5	<.5	<.5	<.5	<.5	<2
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1	E.1	<.5	<.5	<2

Date	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<2	<1	<.5	M	<.5	<1	<.5	<.5	<2	<1	M	<.5	<5
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<2	<1	<.5	E.1	M	<1	<.5	<.5	<2	<1	E.1	<.5	<5

02336255 SOUTH FORK PEACHTREE CREEK TRIBUTARY AT WELLBOURNE DRIVE, AT ATLANTA, GA—continued.

Date	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limo-nene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<1	<.5	<1	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<1	<.5	<1	M	E.1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5

Date	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<.5	<.5	M	<2	<.5	E.2	<.5	M	E2.8	<.5	<.5	<1	<.5
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<.5	<.5	M	<2	M	E.2	<.5	<.5	E2.7	<.5	<.5	<1	<.5

Date	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
MAR							
20...	--	--	--	--	--	3070	10
20...	--	--	--	--	--	3070	10
20...	M	<.5	E.1	<.5	<1.00	3070	10
20...	--	--	--	--	--	3070	--
JUL							
18...	--	--	--	--	--	3070	30
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	70
28...	<.5	<.5	E.1	E.1	<1.00	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
n -- Below the NDV

APALACHICOLA RIVER BASIN
2003 Water Year

02336267 PEACHTREE CREEK AT PIEDMONT ROAD, NEAR ATLANTA, GA

LOCATION.—Lat 33°49'02", long 84°22'01" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130001, at bridge on GA 237 (Piedmont Road), 0.2 miles downstream of South Fork Peachtree Creek, and 0.3 miles south of GA 236.

DRAINAGE AREA.—69.7 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 19, 1976, September 3, 2003 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)
SEP													
03...	1100	9	36	81345	12	746	7.6	92	7.3	137	25.0	46	3
03...	1101	9	36	80020	12	746	7.6	92	7.3	137	25.0	--	--
03...	1115	9	36	81345	12	746	7.6	94	7.3	138	25.0	47	3
03...	1116	9	36	80020	12	746	7.6	92	7.3	138	25.0	--	--

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)
SEP													
03...	13.5	3.02	3.02	.4	6.99	23	43.5	.1	7.85	.1	20.0	6.6	90
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
03...	13.7	3.03	3.02	.5	7.08	23	43.9	.1	7.92	.1	20.1	6.7	91
03...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336267 PEACHTREE CREEK AT PIEDMONT ROAD, NEAR ATLANTA, GA—continued.

Date	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)
SEP													
03...	.12	.03	.024	.59	.590d	<.020	.080	.026	.02	.90	690	980	26200
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
03...	.12	.03	.027	.59	.590d	<.020	.003	.001	.01	.89	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Sampler type, code (84164)
SEP													
03...	28.7	<100	60	<50	140	--	--	--	--	--	--	--	3044
03...	--	--	--	4	130	2	<.04	E.5n	1.2	E.05n	.54	<.20	3044
03...	27.9	<100	60	<50	150	--	--	--	--	--	--	--	3070
03...	--	--	--	4	137	2	<.04	<.8	1.2	<.08	.41	<.20	3070

Date	Sam-pling method, code (82398)
SEP	
03...	10
03...	10
03...	70
03...	70

Date	Time	Medium code	Instan-taneous dis-charge, cfs (00061)	Agency ana-lyzing sample, code (00028)	Tur-bidity, water, unfltrd field, NTU (61028)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)
SEP													
03...	1130	1	36	81350	12	11	1.9	14	560	2	.7	150	42

Date	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)
SEP													
03...	79	8.6	93	39	.27	6	82	1	2	64	<100	.530	140

02336267 PEACHTREE CREEK AT PIEDMONT ROAD, NEAR ATLANTA, GA—continued.

Date	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Sampler type, code (84164)	Sam-pling method, code (82398)
SEP 03...	550	<100	5	3070	70

Date	Time	Medium code	Instan-taneous dis-charge, cfs (00061)	Agency ana-lyzing sample, code (00028)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)
SEP 03...	1101	9	36	80020	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1

Date	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)
SEP 03...	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2	<1	E.2

Date	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limo-nene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)
SEP 03...	E.1	<.5	<1	<.5	<.5	<2	<1	E.2	<.5	<5	<1	<.5	<1

Date	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)
SEP 03...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1

Date	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)
SEP 03...	<2	<.5	E.5	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5	E.3	<.5

02336267 PEACHTREE CREEK AT PIEDMONT ROAD, NEAR ATLANTA, GA—continued.

Date	Tris(dichloro-i-Pr)phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
SEP 03...	<.5	<1.00	3044	10

Remark codes used in this report:
< -- Less than
E -- Estimated value
Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
n -- Below the NDV

APALACHIOLA RIVER BASIN
2003 Water Year

02336275 PEACHTREE CREEK TRIBUTARY AT GA 236, AT ATLANTA, GA

LOCATION.—Lat 33°49'16", long 84°22'28" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130001, at bridge on GA 236, 0.6 miles upstream of Peachtree Creek, and 0.9 miles west of Interstate 85.

DRAINAGE AREA.—0.94 square miles .

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 28, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)
MAR													
20...	1229	81345	40	734	10.0	100	7.1	148	13.5	--	46	9	15.0
20...	1230	81350	--	--	--	--	--	--	--	--	--	--	--
20...	1231	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	0830	81345	4.3	740	8.5	99	7.1	206	21.5	--	69	19	22.0
18...	0831	80020	--	--	--	--	--	--	--	--	--	--	--
18...	0832	81350	--	--	--	--	--	--	--	--	--	--	--
28...	0835	80020	.9	740	7.2	84	7.2	207	21.5	25.5	--	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)
MAR													
20...	2.09	3.30	.3	5.09	18	37.4	<1.9	5.19	<.02	10.9	<.02	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	3.43	3.46	.6	10.9	24	49.8	<.1	11.5	.3	21.7	23.0	133	.18
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336275 PEACHTREE CREEK TRIBUTARY AT GA 236, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)
MAR													
20...	.09	.073	1.65	1.65d	<.020	.046	.015	.03	1.78	4900	4000	68700	29.5
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	.04	.031	1.35	1.35d	<.100	.126	.041	.02	1.47	490	720	6630	43.3
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)
MAR													
20...	<100	60	<50	<100	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	13	1.2
20...	--	--	19	60	14	E.03	<.8	3.2	.30	.74	<.2	--	--
JUL													
18...	<100	90	<50	120	--	--	--	--	--	--	--	--	--
18...	--	--	3	122	6	<.04	<.8	1.3	.09	.86	<.20	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	15	490	3	.3	130	12	47	4.2	76	43	1200	<.01	14
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	70	M	1	55	<100	.410	86	540	<100	14	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	9.4	M	M
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336275 PEACHTREE CREEK TRIBUTARY AT GA 236, AT ATLANTA, GA—continued.

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	1100	2	M	21	8	28	2.1	65	27	750	.09	1	8
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	.4	<.5	85	.350	46	<50	140	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M

Date	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<5	<1	<1	<5	<1	<2	E.1	<.5	M	M	<.5	M	<2
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1	<.5	<.5	E.1	<2

Date	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (82082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<2	<1	<.5	E.3	<.5	<1	M	<.5	<2	<1	M	M	<5
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<2	M	<.5	E.1	M	<1	<.5	<.5	<2	<1	E.1	<.5	<5

02336275 PEACHTREE CREEK TRIBUTARY AT GA 236, AT ATLANTA, GA—continued.

Date	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limo-nene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<1	<.5	<1	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<1	<.5	<1	M	<.5	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5

Date	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<.5	<.5	M	<2	M	<.5	<.5	M	<.5	<.5	E.1	<1	<.5
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<.5	<.5	M	<2	<.5	.9	<.5	M	<.5	M	E.1	<1	<.5

Date	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
MAR							
20...	--	--	--	--	--	3070	10
20...	--	--	--	--	--	3070	10
20...	M	E.4	E.1	E.1	<1.00	3070	10
JUL							
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	70
28...	E.1	1.3	E.1	E.1	<1.00	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded

APALACHIOLA RIVER BASIN
2003 Water Year

023362773 CLEAR CREEK AT PIEDMONT ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°47'46", long 84°22'12" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130001, at bridge on Piedmont Road, 2.4 miles upstream of Peachtree Creek, and 1.0 miles south of Interstate 85.

DRAINAGE AREA.—1.36 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 28, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)
MAR													
20...	0900	81345	75	738	8.6	85	6.5	147	13.5	--	47	6	14.8
20...	0901	80020	--	--	--	--	--	--	--	--	--	--	--
20...	0902	81350	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	0700	81345	6.3	740	5.4	65	7.0	330	23.0	--	130	20	40.3
18...	0701	80020	--	--	--	--	--	--	--	--	--	--	--
18...	0702	81350	--	--	--	--	--	--	--	--	--	--	--
28...	0745	80020	1.1	739	6.1	73	7.0	321	23.0	26.5	--	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)
MAR													
20...	2.52	3.62	.3	4.93	17	41.5	M	6.67	<.02	8.30	11.5	83	.11
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	7.66	5.57	.4	11.3	15	112	.1	15.2	.1	28.2	28.1	207	.28
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

023362773 CLEAR CREEK AT PIEDMONT ROAD, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)
MAR													
20...	.23	.179	1.21	1.21d	<.020	.267	.09	.12	1.82	460	2k	2040	31.0
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	.23	.182	.53	.530d	<.100	.313	.102	.01	1.03	870	1490	23900	73.1
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)
MAR													
20...	130	60	<50	<100	--	--	--	--	--	--	--	--	--
20...	--	--	24	64.3	24	.08	E.5	6.0	.67	1.07	<.20	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	14	3.2
JUL													
18...	<100	180	<50	160	--	--	--	--	--	--	--	--	--
18...	--	--	E1n	155	5	<.04	<.8	1.3	E.04n	1.82	<.20	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	24	480	4	1.4	120	24	95	6.2	210	43	730	<.01	8
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	69	1	1	63	<100	.570	170	780	<100	19	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	8.2	M	M
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

023362773 CLEAR CREEK AT PIEDMONT ROAD, AT ATLANTA, GA—continued.

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	730	2	1	82	17	170	4.6	300	27	600	2.1	3	34
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	E.3	<.5	<.5	<.5	<2	<1
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	.6	9	130	.560	110	<50	440	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	E.1	<.5	<.5	<.5	<2	M

Date	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<5	<1	<1	<5	<1	<2	E.1	<.5	<.5	<.5	<.5	M	<2
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<5	<1	<1	E2	<1	<2	E.1	<.5	E.1	E.1	<.5	E.1	<2

Date	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<2	<1	<.5	E.3	<.5	<1	M	<.5	<2	<1	E.1	<.5	<5
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<2	<1	<.5	E.1	M	<1	<.5	<.5	<2	<1	E.2	<.5	E2

023362773 CLEAR CREEK AT PIEDMONT ROAD, AT ATLANTA, GA—continued.

Date	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limo-nene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<1	<.5	<1	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<1	<.5	<1	E.1	<.5	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5

Date	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<.5	<.5	M	M	M	E.2	<.5	M	E.1	<.5	E.1	<1	<.5
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<.5	<.5	<1	<2	M	E.2	<.5	M	E.1	<.5	E.1	<1	<.5

Date	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
MAR							
20...	--	--	--	--	--	3070	10
20...	M	.7	E.1	<.5	<1.00	3070	10
20...	--	--	--	--	--	3070	10
JUL							
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	70
28...	E.1	E.5	<.5	E.1	<1.00	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the NDV

APALACHIOLA RIVER BASIN
2003 Water Year

02336295 TANYARD BRANCH AT COLLIER ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°48'37", long 84°24'10" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130001, at bridge on Collier Road, 0.7 miles upstream of Peachtree Creek, and 0.9 miles east of Interstate 75.

DRAINAGE AREA.—4.01 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 1976, July 1995, and March 20, 2003 to August 14, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)
MAR													
20...	0829	81345	85	733	9.3	95	6.9	220	14.5	--	41	11	13.5
20...	0830	81350	--	--	--	--	--	--	--	--	--	--	--
20...	0831	80020	--	--	--	--	--	--	--	--	--	--	--
20...	0835	81350	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	0930	81345	9.0	748	6.6	79	7.1	332	23.5	--	120	28	36.5
18...	0931	80020	9.0	748	6.6	79	7.1	332	23.5	26.5	--	--	--
18...	0932	81350	--	--	--	--	--	--	--	--	--	--	--
28...	0830	80020	6.1	747	6.8	82	7.2	333	23.5	25.0	--	--	--
AUG													
14...	1200	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)
MAR													
20...	1.85	3.60	1	20.6	49	30.2	1.8	25.1	<.1	6.46	15.5	113	.15
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	7.85	5.07	.6	14.3	19	95.6	.1	16.4	.2	27.5	37.0	210	.29
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336295 TANYARD BRANCH AT COLLIER ROAD, AT ATLANTA, GA--continued

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)
MAR													
20...	.15	.115	1.22	1.22d	--	.481	.157	.19	2.45	<1k	<2k	3k	21.6
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	.23	.175	1.53	1.65d	.120	.049	.016	.01	1.97	520	540	24200	68.9
18...	--	--	--	--	--	--	--	--	--	520	540	24000	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)
MAR													
20...	120	50	<50	<100	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	13	5.2
20...	--	--	30	59.4	29	.11	E.5	7.9	1.26	1.21	<.2	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	13	5.2
JUL													
18...	<100	150	<50	330	--	--	--	--	--	--	--	--	--
18...	--	--	2	334	7	E.03n	<.8	1.2	E.07n	2.36	<.20	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	14	400	4	1.5	100	25	140	5.7	200	40	940	<.01	9
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	14	400	4	1.5	100	25	140	5.7	200	40	940	<.01	9
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336295 TANYARD BRANCH AT COLLIER ROAD, AT ATLANTA, GA--continued

Date	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	57	M	2	50	<50	.470	150	1000	<50	31	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	57	M	2	50	<50	.470	150	1000	<50	31	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	10	M	M
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	9.3	M	M

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	700	2	2	100	22	130	5.2	290	31	1900	--o	3	34
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	690	2	2	98	17	100	4.9	260	30	1200	.42	3	30

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	E.1	<.5	<.5	<.5	<2	<1
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	.5	6	120	.420	120	<50	520	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	E.2	<.5	<.5	<.5	<2	M
AUG													
14...	.6	4	130	.410	110	<50	400	--	--	--	--	--	--

02336295 TANYARD BRANCH AT COLLIER ROAD, AT ATLANTA, GA--continued

Date	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<5	<1	<1	<5	<1	M	E.3	<.5	E.1	M	<.5	E.1	<2
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<5	<1	<1	E2	M	<2	E.1	<.5	E.1	E.1	<.5	E.1	<2
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<2	<1	<.5	.9	<.5	<1	M	<.5	<2	M	E.1	<.5	<5
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<2	M	.8	E.3	M	<1	<.5	<.5	<2	<1	E.2	<.5	E3
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<1	<.5	<1	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	M	<.5	M	E.1	<.5	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336295 TANYARD BRANCH AT COLLIER ROAD, AT ATLANTA, GA--continued

Date	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<.5	<.5	M	<2	M	E.3	<.5	M	<.5	M	E.1	<1	E.1
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<.5	M	M	<2	M	.6	<.5	E.1	M	<.5	E.1	M	<.5
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
MAR							
20...	--	--	--	--	--	3070	10
20...	--	--	--	--	--	3070	10
20...	E.1	1.4	E.1	E.1	<1.00	3070	10
20...	--	--	--	--	--	3070	10
JUL							
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	70
18...	--	--	--	--	--	3070	70
28...	E.1	.5	E.1	E.1	<1.00	3070	70
AUG							
14...	--	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the NDV

Null value qualifier codes used in this report:
o -- Insufficient amount of water

02336298 PEACHTREE CREEK TRIBUTARY AT BROOKDALE DRIVE, AT ATLANTA, GA

LOCATION.—Lat 33°49'37", long 84°24'11" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130001, at culvert on Brookdale Drive, 0.6 miles upstream of Peachtree Creek, and 0.2 miles east of US 41 and GA 3.

DRAINAGE AREA.—1.26 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 28, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)
MAR													
20...	1018	81350	--	--	--	--	--	--	--	--	--	--	--
20...	1019	81345	28	734	10.2	101	7.1	133	13.0	--	42	8	12.7
20...	1020	81350	--	--	--	--	--	--	--	--	--	--	--
20...	1026	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	0830	81345	2.2	748	8.3	96	7.2	200	21.5	--	69	15	20.7
18...	0831	80020	--	--	--	--	--	--	--	--	--	--	--
18...	0832	81350	--	--	--	--	--	--	--	--	--	--	--
28...	0830	80020	2.6	747	8.3	96	7.3	199	21.5	24.5	--	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	2.42	3.29	.3	4.51	18	33.3	<.2	6.39	<.02	12.9	12.5	80	.11
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	4.26	3.56	.5	10.3	23	54.8	<.1	14.1	.1	29.4	15.2	135	.18
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336298 PEACHTREE CREEK TRIBUTARY AT BROOKDALE DRIVE, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	.03	.020	1.08	1.08d	<.020	.083	.027	.06	1.51	2900	4300	32600	32.5
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	.02	.017	1.03	1.03d	<.100	.285	.093	.03	1.26	3600	3100	105000	44.3
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	8.5	1.4
20...	140	50	50	<100	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	8.5	1.4
20...	--	--	41	18.6	13	E.02	<.8	7.0	.39	.75	<.20	--	--
JUL													
18...	<100	90	<50	<100	--	--	--	--	--	--	--	--	--
18...	--	--	5	15.7	4	<.04	<.8	2.1	E.05n	.88	<.20	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)
MAR													
20...	9.2	350	2	1.0	72	12	56	3.0	91	20	600	<.01	12
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	9.2	350	2	1.0	72	12	56	3.0	91	20	600	<.01	12
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
MAR													
20...	42	1	<1	38	<100	.310	91	410	<100	12	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	42	1	<1	38	<100	.310	91	410	<100	12	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	6.9	<.2	M
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336298 PEACHTREE CREEK TRIBUTARY AT BROOKDALE DRIVE, AT ATLANTA, GA—continued.

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	480	1	2	25	9	46	2.3	46	14	690	<.02	2	7
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	M	<1
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	.3	<1	81	.300	60	<100	270	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1

Date	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<5	<1	<1	<5	<1	<2	E.1	<.5	<.5	<.5	<.5	M	<2
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1	<.5	<.5	E.1	<2

Date	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (82082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<2	<1	<.5	E.1	<.5	<1	M	<.5	M	<1	M	E.2	E2
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<2	<1	<.5	E.1	M	<1	<.5	<.5	<2	<1	E.1	<.5	E2

02336298 PEACHTREE CREEK TRIBUTARY AT BROOKDALE DRIVE, AT ATLANTA, GA—continued.

Date	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limo-nene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	M	<.5	M	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<1	<.5	<1	M	<.5	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5

Date	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)
MAR													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	<.5	<.5	M	M	M	E.2	E.1	M	<.5	<.5	M	<1	<.5
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<.5	<.5	M	<2	M	.7	<.5	M	<.5	<.5	<.5	<1	<.5

Date	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
MAR							
20...	--	--	--	--	--	3070	10
20...	--	--	--	--	--	3070	10
20...	--	--	--	--	--	3070	10
20...	M	E.2	E.1	<.5	<1.00	3070	10
JUL							
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	70
28...	<.5	<.5	<.5	<.5	<1.00	3070	70

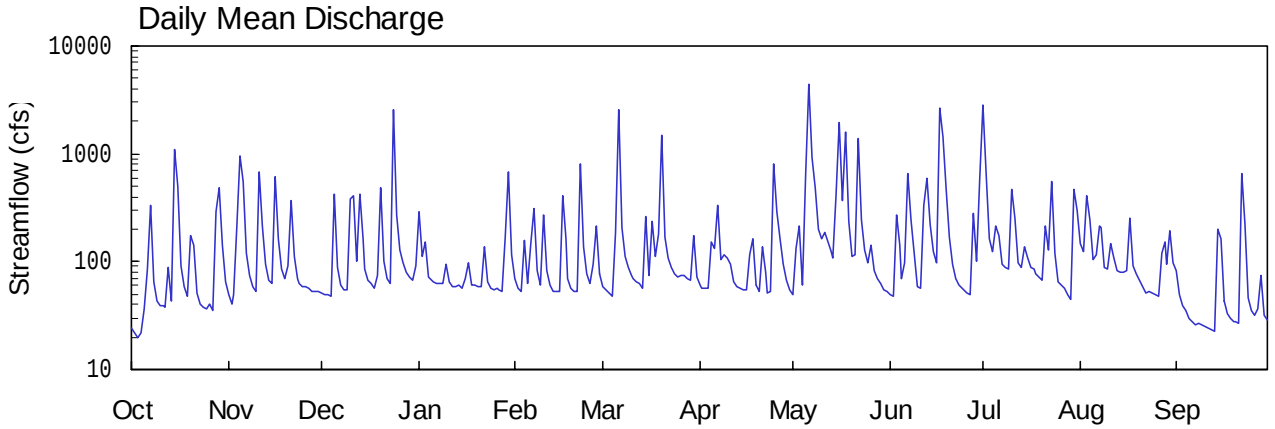
Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

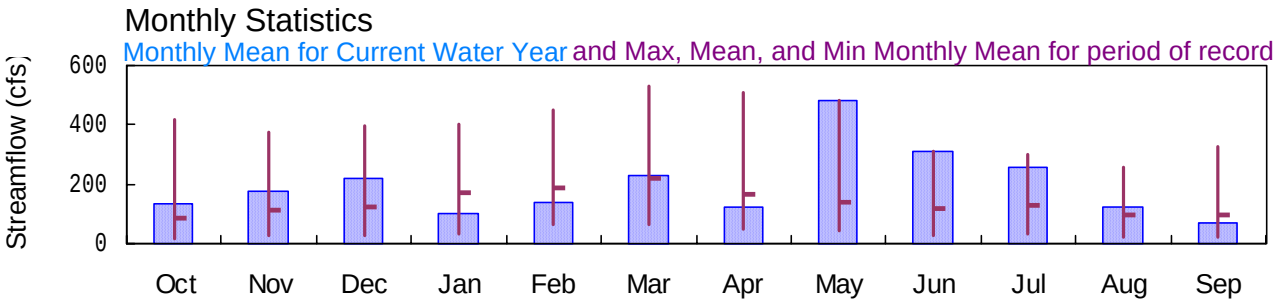
Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
n -- Below the NDV

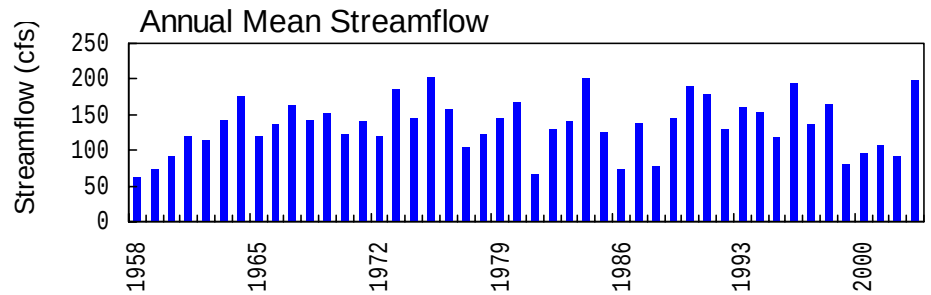
2003 Water Year

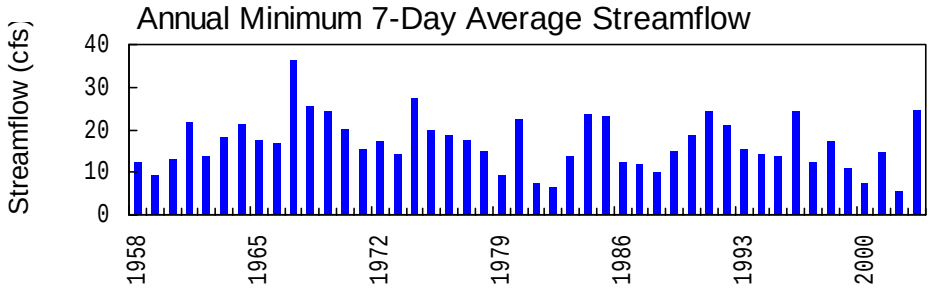
02336300 PEACHTREE CREEK AT ATLANTA, GA

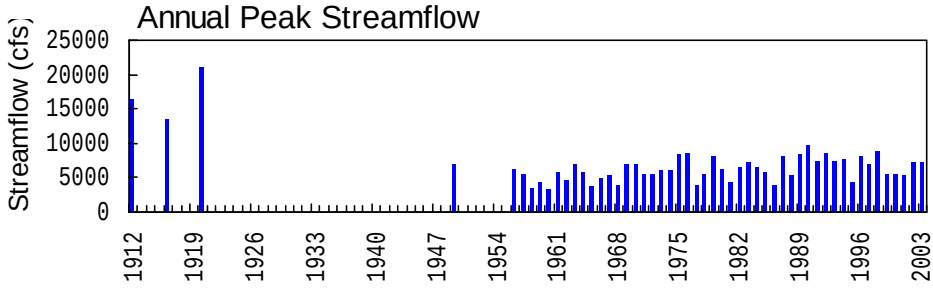
Latitude: 33°49'10" Longitude: 084°24'28" Hydrologic Unit Code: 03130001 Fulton County
Drainage Area: 86.8 mi² Datum: 763.9 feet











APALACHICOLA RIVER BASIN
2003 Water Year

02336300 PEACHTREE CREEK AT ATLANTA, GA

LOCATION.—Lat 33°49'10", long 84°24'28" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit 03130001, on downstream side of center pier of bridge on Northside Drive, 0.4 miles downstream from Tanyard Branch, and 4.0 miles upstream from mouth.

DRAINAGE AREA.—86.8 square miles.

COOPERATION.—Georgia Geologic Survey, City of Atlanta.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 1958 to current year.

REVISED RECORDS.—WDR GA-96-1: 1995 (P, daily discharge, daily stage and monthly runoff).

GAGE.—Satellite telemetry with a water-stage recorder and continuous water-quality monitor. Datum of gage is 763.96 feet above National Geodetic Vertical Datum (NGVD) of 1929 (City of Atlanta benchmark). Prior to May 27, 1963, water-stage recorder located at site 1,000 feet downstream at same datum.

REMARKS.—Records fair, except for periods of estimated records, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
10/15	2015	2,640	11.26
12/24	0945	6,600	17.29
03/06	0700	5,730	16.11
03/20	0345	3,780	13.25
05/06	0115	6,660	17.37
05/06	1845	6,940	17.75
05/16	0430	7,190*	18.07*
05/18	0300	5,560	15.87
05/22	1245	3,210	12.28
06/13	1700	2,710	11.39
06/17	0615	6,340	16.94
06/18	1145	3,020	11.96
06/30	1530	4,220	13.94
07/01	1700	6,960	17.77
09/22	1800	2,680	11.33

02336300 PEACHTREE CREEK AT ATLANTA, GA--continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 1958 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and continuous water-quality monitor. Datum of gage is 763.96 feet above National Geodetic Vertical Datum (NGVD) of 1929 (City of Atlanta benchmark). Prior to May 27, 1963, water-stage recorder located at site 1,000 feet downstream at same datum.

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 18.07 feet, May 16; minimum gage-height recorded, 2.49 feet, October 27, 28.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 5, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80* CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	49	51	286	69	59	61	49	50	2840	147	e82
2	22	41	50	111	56	54	57	131	48	657	125	e50
3	20	50	50	151	53	51	57	214	270	164	401	e39
4	22	204	48	72	159	49	57	60	140	123	243	e35
5	36	945	416	68	63	185	151	634	69	214	103	30
6	85	550	87	66	146	2600	132	4470	99	173	114	27
7	328	121	60	63	314	210	335	924	668	93	211	26
8	65	74	54	63	82	114	104	481	241	89	204	26
9	42	59	55	63	60	89	116	197	e120	86	88	26
10	39	52	e383	96	275	74	107	163	e59	472	85	25
11	39	673	e404	66	83	69	94	189	57	251	147	24
12	38	213	102	60	60	66	66	154	e334	97	107	23
13	87	96	418	59	54	62	59	123	601	89	82	23
14	43	67	160	60	54	57	56	107	218	140	80	200
15	1090	63	84	58	53	260	54	412	126	109	79	163
16	499	614	67	70	402	75	54	1960	98	87	84	44
17	92	164	62	99	164	239	115	362	2690	84	257	33
18	59	86	58	61	70	113	161	1570	1440	77	e90	29
19	47	69	73	60	57	179	60	233	467	72	e77	28
20	174	90	483	58	53	1510	54	111	168	68	e67	27
21	143	373	101	58	54	169	135	114	93	213	e58	27
22	52	111	71	139	803	106	80	1400	70	129	e52	666
23	41	71	63	64	137	88	52	244	61	558	e53	224
24	38	64	2530	56	76	77	53	129	56	121	e51	47
25	37	59	268	56	63	73	807	98	53	e66	e49	36
26	41	58	130	57	95	75	294	144	50	e61	e48	32
27	35	56	96	55	217	75	e165	83	49	e56	e120	37
28	292	53	79	54	76	70	e95	70	281	e50	153	74
29	490	52	71	167	---	68	e67	64	102	e45	93	32
30	141	52	68	677	---	175	55	55	603	461	e190	29
31	64	---	91	114	---	72	---	53	---	301	e97	---
TOTAL	4226	5229	6733	3187	3848	7163	3753	14998	9381	8046	3755	2164
MEAN	136	174	217	103	137	231	125	484	313	260	121	72.1
MAX	1090	945	2530	677	803	2600	807	4470	2690	2840	401	666
MIN	20	41	48	54	53	49	52	49	48	45	48	23
CFSM	1.57	2.01	2.50	1.18	1.58	2.66	1.44	5.57	3.60	2.99	1.40	0.83
IN.	1.81	2.24	2.89	1.37	1.65	3.07	1.61	6.43	4.02	3.45	1.61	0.93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2003, BY WATER YEAR (WY)

MEAN	87.1	110	121	172	187	221	164	139	118	127	95.7	96.4
MAX	416	374	395	402	448	531	508	484	313	301	257	325
(WY)	1996	1993	1984	1972	1990	1980	1979	2003	2003	1989	1974	1989
MIN	13.4	24.1	28.4	33.0	66.2	63.9	49.5	40.7	28.9	29.8	20.4	20.6
(WY)	1979	2002	1989	1981	1986	1988	1986	1988	1988	1959	1959	1978

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1958 - 2003	
ANNUAL TOTAL	46873.7		72483			
ANNUAL MEAN	128		199		137	
HIGHEST ANNUAL MEAN					203	1975
LOWEST ANNUAL MEAN					67.0	1981
HIGHEST DAILY MEAN	3090	May 4	4470	May 6	6500	Oct 4 1995
LOWEST DAILY MEAN	5.1	Sep 10	20	Oct 3	5.1	Sep 10 2002
ANNUAL SEVEN-DAY MINIMUM	5.5	Sep 6	25	Sep 7	5.5	Sep 6 2002
MAXIMUM PEAK FLOW			7190	May 16	9650	Mar 17 1990
MAXIMUM PEAK STAGE			18.07	May 16	21.06	Mar 17 1990
ANNUAL RUNOFF (CFSM)	1.48		2.29		1.57	
ANNUAL RUNOFF (INCHES)	20.09		31.06		21.37	
10 PERCENT EXCEEDS	290		407		270	
50 PERCENT EXCEEDS	48		80		59	
90 PERCENT EXCEEDS	16		43		22	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80* CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.62	2.62	2.64	3.96	2.97	2.88	2.91	2.79	2.92	10.17	3.51	---
2	2.58	2.56	2.63	3.05	2.86	2.84	2.87	3.36	2.91	5.60	3.38	---
3	2.55	2.61	2.63	3.27	2.83	2.81	2.87	3.79	4.17	3.68	4.65	---
4	2.57	3.56	2.61	2.81	3.52	2.79	2.87	2.90	3.53	3.44	3.99	---
5	2.74	6.37	4.54	2.78	2.91	3.34	3.46	4.89	3.08	3.88	3.24	2.60
6	2.96	5.05	2.91	2.77	3.34	10.30	3.33	13.64	3.25	3.70	3.31	2.57
7	4.16	3.12	2.72	2.74	4.30	3.83	4.42	6.46	5.83	3.24	3.76	2.55
8	2.75	2.82	2.67	2.74	3.07	3.29	3.22	5.09	4.00	3.21	3.77	2.56
9	2.57	2.71	2.68	2.74	2.90	3.12	3.30	3.86	---	3.19	3.15	2.55
10	2.54	2.65	---	2.96	4.12	3.01	3.24	3.67	---	4.69	3.12	2.54
11	2.54	5.50	---	2.77	3.07	2.97	3.15	3.80	2.98	4.08	3.44	2.53
12	2.53	3.61	3.00	2.71	2.90	2.95	2.94	3.62	---	3.27	3.25	2.52
13	2.89	2.96	4.58	2.71	2.84	2.91	2.89	3.44	5.11	3.22	3.10	2.51
14	2.58	2.77	3.33	2.72	2.83	2.87	2.86	3.34	3.93	3.52	3.09	3.39
15	6.78	2.74	2.89	2.70	2.83	4.02	2.86	4.81	3.45	3.34	3.08	3.48
16	4.86	5.48	2.77	2.78	4.66	3.01	2.84	8.25	3.27	3.20	3.11	2.72
17	2.94	3.35	2.74	2.98	3.55	3.88	3.19	4.54	10.21	3.18	4.01	2.63
18	2.71	2.90	2.70	2.72	2.98	3.27	3.51	8.28	8.09	3.14	---	2.59
19	2.61	2.79	2.78	2.72	2.86	3.63	2.89	4.01	5.05	3.10	---	2.58
20	3.28	2.91	4.83	2.70	2.83	7.94	2.83	3.36	3.69	3.07	---	2.57
21	3.21	4.39	3.00	2.70	2.83	3.61	3.31	3.37	3.24	3.89	---	2.56
22	2.65	3.05	2.80	3.21	6.08	3.24	3.04	7.85	3.09	3.44	---	5.00
23	2.56	2.80	2.74	2.75	3.42	3.11	2.81	4.08	3.02	5.40	---	3.79
24	2.54	2.75	9.45	2.69	3.03	3.04	2.83	3.47	2.98	3.35	---	2.75
25	2.52	2.71	3.88	2.68	2.92	3.00	6.23	3.28	2.94	---	---	2.65
26	2.56	2.70	3.17	2.69	3.11	3.03	4.19	3.53	2.92	---	---	2.62
27	2.51	2.69	2.97	2.68	3.85	3.02	---	3.17	2.92	---	3.40	2.65
28	3.78	2.66	2.86	2.66	3.02	2.98	---	3.08	4.18	---	3.48	2.96
29	4.87	2.65	2.80	3.30	---	2.96	---	3.04	3.29	---	3.14	2.62
30	3.22	2.65	2.78	5.74	---	3.63	2.84	2.96	5.02	4.90	---	2.59
31	2.75	---	2.91	3.26	---	2.99	---	2.86	---	4.28	---	---
MEAN	3.06	3.27	---	2.96	3.30	3.56	---	4.47	---	---	---	---
MAX	6.78	6.37	---	5.74	6.08	10.30	---	13.64	---	---	---	---
MIN	2.51	2.56	---	2.66	2.83	2.79	---	2.79	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80* CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01	0.00	0.00	0.18	0.00	0.02	0.00	0.00	0.00	2.68	0.00	0.00
2	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.17	0.00	0.01	0.00	0.02
3	0.00	0.38	0.00	0.01	0.00	0.00	0.00	0.01	0.82	0.01	1.06	0.00
4	0.10	0.16	0.07	0.00	0.27	0.06	0.01	0.00	0.14	0.14	0.00	0.00
5	0.00	1.72	0.84	0.00	0.00	1.44	0.26	3.02	0.00	0.42	0.04	0.00
6	0.66	0.01	0.00	0.00	0.78	1.27	0.39	1.82	0.50	0.01	0.07	0.00
7	0.32	0.00	0.00	0.00	0.03	0.00	0.39	0.86	0.76	0.00	0.12	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.01	0.22	0.00	0.00
9	0.00	0.00	0.01	0.07	0.16	0.00	0.25	0.00	0.00	0.01	0.03	0.00
10	0.02	0.00	---	0.05	0.33	0.00	0.10	0.00	0.00	1.41	0.00	0.00
11	0.00	1.21	---	0.00	0.01	0.00	0.00	0.28	0.14	0.00	0.00	0.00
12	0.00	0.20	0.01	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.05	0.00
13	0.15	0.00	0.67	0.00	0.00	0.00	0.00	0.00	1.09	0.25	0.15	0.00
14	0.00	0.00	0.01	0.00	0.05	0.00	0.00	0.02	0.00	0.57	0.00	1.08
15	2.64	0.52	0.00	0.00	0.00	0.50	0.00	0.65	0.05	0.01	0.00	0.00
16	0.07	0.72	0.00	0.18	1.00	0.00	0.00	1.41	0.14	0.06	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.61	0.29	0.03	1.41	0.01	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.02	0.00	1.60	1.45	0.00	0.00	0.00
19	0.00	0.01	0.30	0.00	0.00	0.47	0.00	0.01	0.04	0.00	0.00	0.00
20	0.38	0.45	0.00	0.00	0.00	0.59	0.00	0.01	0.01	0.01	0.00	0.00
21	0.00	0.31	0.00	0.11	0.13	0.00	0.10	0.39	0.00	0.00	0.00	0.00
22	0.00	0.00	0.02	0.12	1.50	0.00	0.02	1.00	0.00	0.41	0.01	1.34
23	0.01	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	1.04	0.00	0.00
24	0.00	0.00	2.03	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.08	0.00
25	0.08	0.00	0.02	0.00	0.00	0.00	0.12	0.02	0.00	0.00	0.00	0.00
26	0.01	0.00	0.00	0.00	0.37	0.01	0.03	0.01	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.19	0.00	0.03	0.00	0.02	0.01	0.00	0.08
28	1.02	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.70	0.00	0.19	0.00
29	0.19	0.00	0.00	0.80	---	0.07	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.71	---	0.26	0.00	0.00	1.38	0.79	0.00	0.00
31	0.00	---	0.17	0.01	---	0.00	---	0.00	---	0.76	0.00	---
TOTAL	5.66	5.69	---	2.47	4.82	5.32	2.22	11.31	8.84	8.83	1.80	2.52

APALACHICOLA RIVER BASIN
2003 Water Year

02336300 PEACHTREE CREEK, AT ATLANTA, GA

LOCATION.—Lat. 33°49'10", Long. 84°24'28" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130001, on right bank 30 feet downstream of US 41 (Northside Drive), 0.4 miles downstream from Tanyard Branch and 4.0 miles upstream from mouth.

DRAINAGE AREA.—86.8 square miles, approximately.

COOPERATION.—City of Atlanta.

PERIOD OF RECORD.—February 1976 to May 1972; July 1975 to April 1999; April 16, 2003 to September 30, 2003.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: April 16, 2003 to September 30, 2003.
pH: April 16, 2003 to September 30, 2003.
WATER TEMPERATURE: April 16, 2003 to September 30, 2003.
DISSOLVED OXYGEN: April 16, 2003 to September 30, 2003.
TURBIDITY: April 16, 2003 to September 30, 2003.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good, except for turbidity and pH which are fair, and dissolved oxygen which is poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 252 microsiemens, August 26, 27, 2003; minimum recorded, 24 microsiemens, June 18, 2003.
pH: Maximum recorded, 8.4 units, July 31; minimum recorded, 6.2 units, May 6, June 15, 17-19, 2003.
WATER TEMPERATURE: Maximum recorded, 28.4°C, July 29, August 23; minimum recorded, 13.7°C, April 25, 2003.
DISSOLVED OXYGEN: Maximum recorded, 10.6 mg/L, April 25; minimum recorded, 0.2 mg/L, June 28, 2003.
TURBIDITY: Maximum recorded, >2,200 NTU, April 21, September 23, 2003; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
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23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	164	157	161
2	---	---	---	---	---	---	---	---	---	204	110	133
3	---	---	---	---	---	---	---	---	---	141	84	101
4	---	---	---	---	---	---	---	---	---	138	108	124
5	---	---	---	---	---	---	---	---	---	152	48	119
6	---	---	---	---	---	---	---	---	---	78	25	46
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	112	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	211	134	164	---	---	---
18	---	---	---	---	---	---	159	114	126	---	---	---
19	---	---	---	---	---	---	146	125	136	---	---	---
20	---	---	---	---	---	---	159	146	153	---	---	---
21	---	---	---	---	---	---	182	122	154	---	---	---
22	---	---	---	---	---	---	144	125	137	---	---	---
23	---	---	---	---	---	---	162	142	151	---	---	---
24	---	---	---	---	---	---	171	158	161	---	---	---
25	---	---	---	---	---	---	171	63	93	---	---	---
26	---	---	---	---	---	---	112	72	94	---	---	---
27	---	---	---	---	---	---	138	112	126	---	---	---
28	---	---	---	---	---	---	159	138	150	---	---	---
29	---	---	---	---	---	---	163	148	153	---	167	---
30	---	---	---	---	---	---	163	153	156	190	168	177
31	---	---	---	---	---	---	---	---	---	189	174	180
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	188	184	185	143	39	80	148	99	121	162	137	150
2	186	184	185	124	44	93	171	109	144	188	157	167
3	184	112	130	148	124	137	174	90	136	172	140	159
4	130	109	121	156	147	151	155	118	139	169	137	153
5	150	130	140	160	84	136	174	140	161	178	163	169
6	211	120	153	129	95	111	172	143	155	181	171	175
7	120	45	72	171	129	150	212	89	160	181	172	176
8	113	43	81	180	74	158	---	---	---	179	154	167
9	153	113	132	166	114	146	---	---	---	174	161	169
10	166	146	158	172	48	137	---	---	---	180	171	173
11	188	163	170	126	66	103	---	---	---	178	172	174
12	188	155	161	152	126	141	---	108	---	182	175	178
13	161	48	113	174	152	159	165	138	148	184	180	181
14	97	50	73	170	133	152	160	149	155	183	90	162
15	120	95	106	166	140	149	172	160	165	173	104	138
16	121	101	111	172	157	164	177	156	169	181	138	151
17	111	26	45	172	163	168	156	78	108	179	159	163
18	85	24	58	176	171	174	158	123	142	175	163	168
19	97	47	71	191	174	178	178	157	167	180	174	176
20	141	97	119	180	173	175	176	160	167	186	180	183
21	167	138	156	193	70	111	201	173	186	187	182	184
22	171	165	169	172	121	137	236	171	201	187	55	141
23	179	170	174	135	78	96	237	231	234	117	61	95
24	187	178	181	171	84	119	234	209	221	133	105	119
25	186	182	183	---	---	---	241	228	232	173	132	153
26	187	184	185	---	---	---	252	241	247	169	158	161
27	188	185	187	---	---	---	252	192	241	177	153	162
28	187	80	125	---	---	---	197	144	166	153	117	130
29	133	84	111	---	---	---	175	150	162	166	139	148
30	156	50	117	---	---	---	195	81	154	168	149	160
31	---	---	---	---	78	---	137	92	115	---	---	---
MONTH	211	24	132	---	---	---	---	---	---	188	55	160

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
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21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	7.3	7.2	7.3
2	---	---	---	---	---	---	---	---	---	7.3	6.8	7.2
3	---	---	---	---	---	---	---	---	---	7.0	6.8	6.9
4	---	---	---	---	---	---	---	---	---	7.1	7.0	7.1
5	---	---	---	---	---	---	---	---	---	7.2	6.7	7.1
6	---	---	---	---	---	---	---	---	---	7.0	6.2	6.6
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	7.3	6.9	7.2	---	---	---
18	---	---	---	---	---	---	7.0	6.7	6.9	---	---	---
19	---	---	---	---	---	---	7.1	7.0	7.1	---	---	---
20	---	---	---	---	---	---	7.2	7.1	7.2	---	---	---
21	---	---	---	---	---	---	7.3	6.9	7.2	---	---	---
22	---	---	---	---	---	---	7.1	7.0	7.1	---	---	---
23	---	---	---	---	---	---	7.2	7.1	7.1	---	---	---
24	---	---	---	---	---	---	7.2	7.2	7.2	---	---	---
25	---	---	---	---	---	---	7.2	6.6	6.8	---	---	---
26	---	---	---	---	---	---	7.0	6.7	6.9	---	---	---
27	---	---	---	---	---	---	7.0	6.9	7.0	---	---	---
28	---	---	---	---	---	---	7.2	7.0	7.0	---	---	---
29	---	---	---	---	---	---	7.3	7.1	7.2	---	---	---
30	---	---	---	---	---	---	7.3	7.2	7.2	7.2	7.1	7.1
31	---	---	---	---	---	---	---	---	---	7.2	7.1	7.2
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.3	7.1	7.2	7.1	6.5	6.8	7.2	6.9	6.9	7.2	7.2	7.2
2	7.3	7.1	7.2	6.8	6.5	6.8	7.2	6.8	6.9	7.3	7.2	7.2
3	7.2	6.8	6.9	6.8	6.7	6.8	8.3	6.6	6.9	7.4	7.2	7.3
4	7.0	6.8	6.9	6.8	6.7	6.7	6.9	6.7	6.8	7.4	7.2	7.3
5	7.0	6.9	7.0	6.9	6.6	6.8	7.3	6.8	7.0	7.4	7.2	7.3
6	7.2	6.9	7.0	6.7	6.6	6.6	7.1	6.8	6.9	7.5	7.3	7.3
7	7.0	6.6	6.8	6.7	6.6	6.7	7.1	6.6	6.9	7.5	7.3	7.3
8	7.0	6.5	6.9	7.0	6.7	6.8	7.0	6.6	6.8	---	---	---
9	7.1	7.0	7.0	7.0	6.9	6.9	7.1	6.9	7.0	---	---	---
10	7.2	7.1	7.1	7.0	6.6	6.9	7.0	6.9	7.0	7.6	7.1	7.2
11	7.2	7.1	7.1	6.9	6.7	6.8	7.0	6.7	6.9	7.6	7.1	7.2
12	7.2	7.0	7.1	6.9	6.8	6.9	7.1	6.7	7.0	7.6	7.1	7.2
13	7.2	6.4	7.1	7.0	6.9	6.9	7.7	7.1	7.2	7.5	7.1	7.2
14	6.7	6.5	6.5	7.0	6.8	6.9	7.2	7.1	7.2	7.4	6.7	7.1
15	6.9	6.2	6.8	6.9	6.8	6.9	7.3	7.1	7.2	6.9	6.7	6.7
16	6.9	6.8	6.8	6.9	6.8	6.8	7.4	7.1	7.3	7.0	6.9	7.0
17	6.8	6.2	6.3	7.2	6.9	7.1	7.2	6.6	6.9	7.2	7.0	7.1
18	6.7	6.2	6.3	7.3	7.1	7.2	7.2	7.0	7.1	7.2	7.0	7.1
19	6.6	6.2	6.3	7.3	7.2	7.2	7.3	7.2	7.2	7.3	7.0	7.1
20	6.9	6.6	6.7	7.3	7.2	7.2	7.2	7.1	7.2	7.3	7.0	7.1
21	7.0	6.9	7.0	7.3	6.6	7.0	7.3	7.2	7.2	7.3	7.1	7.2
22	7.0	6.9	7.0	7.2	6.8	7.1	7.3	7.2	7.3	7.2	6.5	7.1
23	7.1	7.0	7.0	7.0	6.7	6.8	7.4	7.2	7.3	6.9	6.4	6.6
24	7.1	7.0	7.0	7.0	6.7	6.8	7.3	7.1	7.2	7.0	6.9	7.0
25	7.1	7.0	7.0	7.0	6.9	6.9	7.3	7.0	7.2	7.1	7.0	7.1
26	7.1	7.0	7.0	7.0	6.8	6.9	7.3	7.1	7.2	7.1	7.1	7.1
27	7.1	7.0	7.0	7.1	6.9	7.0	7.4	6.8	7.2	7.2	7.1	7.1
28	7.0	6.5	6.7	7.2	7.0	7.0	7.1	6.7	6.9	7.1	6.9	7.1
29	6.8	6.5	6.8	7.4	7.1	7.2	7.2	7.0	7.1	7.2	7.1	7.1
30	7.0	6.7	6.8	7.5	6.7	7.0	7.2	6.8	7.2	7.1	7.1	7.1
31	---	---	---	8.4	6.7	6.8	7.2	6.8	7.1	---	---	---
MAX	7.3	7.1	7.2	8.4	7.2	7.2	8.3	7.2	7.3	---	---	---
MIN	6.6	6.2	6.3	6.7	6.5	6.6	6.9	6.6	6.8	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	23.3	19.2	21.1
2	---	---	---	---	---	---	---	---	---	22.6	19.2	20.8
3	---	---	---	---	---	---	---	---	---	20.2	18.3	18.9
4	---	---	---	---	---	---	---	---	---	22.1	17.3	19.8
5	---	---	---	---	---	---	---	---	---	20.8	19.3	19.9
6	---	---	---	---	---	---	---	---	---	19.5	18.6	19.0
7	---	---	---	---	---	---	---	---	---	19.2	18.8	19.0
8	---	---	---	---	---	---	---	---	---	20.8	18.7	19.4
9	---	---	---	---	---	---	---	---	---	21.7	20.1	20.8
10	---	---	---	---	---	---	---	---	---	22.5	20.8	21.5
11	---	---	---	---	---	---	---	---	---	22.4	20.5	21.3
12	---	---	---	---	---	---	---	---	---	21.5	19.5	20.0
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	19.1	17.1	18.2	---	---	---
18	---	---	---	---	---	---	20.7	17.9	18.9	---	---	---
19	---	---	---	---	---	---	18.8	16.5	17.7	---	---	---
20	---	---	---	---	---	---	18.5	16.8	17.6	---	---	---
21	---	---	---	---	---	---	20.4	17.0	17.8	---	---	---
22	---	---	---	---	---	---	20.2	15.9	17.8	---	---	---
23	---	---	---	---	---	---	20.4	14.7	17.4	---	---	---
24	---	---	---	---	---	---	17.9	14.8	16.3	---	---	---
25	---	---	---	---	---	---	17.5	13.7	15.5	---	---	---
26	---	---	---	---	---	---	18.0	15.0	16.5	---	---	---
27	---	---	---	---	---	---	19.9	15.4	17.7	---	---	---
28	---	---	---	---	---	---	21.2	16.4	18.8	---	---	---
29	---	---	---	---	---	---	22.0	17.3	19.7	---	---	---
30	---	---	---	---	---	---	22.5	18.5	20.4	22.4	17.7	20.0
31	---	---	---	---	---	---	---	---	---	23.1	18.9	21.2
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.4	19.1	21.0	22.2	20.6	21.3	26.8	23.7	25.0	27.6	24.7	26.0
2	22.5	18.2	20.4	22.0	21.0	21.4	27.0	24.0	25.2	26.9	24.2	25.4
3	20.8	18.6	20.3	23.9	20.7	22.3	25.3	22.7	24.1	27.1	24.1	25.6
4	23.9	20.3	21.9	24.7	22.1	23.4	25.3	23.3	24.2	27.4	24.1	25.4
5	24.0	19.6	21.7	24.3	22.2	23.3	26.3	23.5	24.9	26.3	23.2	24.6
6	21.9	20.1	21.1	25.5	22.6	24.0	25.2	23.1	24.1	24.6	22.8	23.7
7	22.9	20.9	21.8	26.5	22.9	24.6	25.7	22.4	23.7	22.8	21.4	22.0
8	23.8	22.0	22.8	27.2	23.5	25.0	26.3	23.4	24.8	23.8	20.3	21.9
9	24.8	20.9	22.7	27.0	23.7	25.3	26.3	22.9	24.6	24.3	20.6	22.4
10	25.2	20.5	22.8	25.4	23.2	24.3	26.4	23.2	24.7	23.3	20.9	22.1
11	26.2	22.0	23.8	25.2	22.8	23.9	25.7	22.9	24.2	24.7	20.5	22.3
12	25.2	22.2	23.3	26.5	22.7	24.6	25.0	22.7	24.0	24.4	20.3	22.0
13	24.5	20.7	22.7	26.5	22.7	24.5	26.0	23.0	24.2	24.3	20.1	22.0
14	24.5	22.4	23.3	25.3	22.9	23.9	27.9	23.4	25.5	23.6	21.1	22.3
15	24.9	22.3	23.6	26.2	22.7	24.3	28.2	24.4	26.2	24.3	21.9	22.8
16	26.2	22.9	24.5	26.2	23.1	24.7	28.0	24.9	26.2	23.7	20.3	21.9
17	23.7	21.5	22.3	27.7	23.3	25.2	26.9	23.7	25.3	24.1	20.2	21.8
18	23.3	22.0	22.6	27.4	23.6	25.3	28.1	24.4	26.1	23.6	19.2	21.2
19	24.0	22.0	22.8	27.6	24.1	25.7	28.0	24.7	26.4	23.8	19.2	21.3
20	24.8	21.7	23.1	28.1	24.1	26.0	26.7	24.7	25.7	24.6	20.2	22.2
21	23.5	19.6	21.6	27.5	24.3	25.8	28.1	24.1	25.9	23.6	21.0	22.3
22	23.2	19.0	21.2	25.8	23.9	24.8	28.3	24.3	26.1	23.1	22.0	22.4
23	23.9	19.9	21.9	24.1	22.1	23.4	28.4	24.4	26.2	23.3	21.3	22.2
24	24.2	20.8	22.5	26.0	22.1	23.9	28.0	24.3	26.0	22.4	19.5	21.1
25	24.5	21.3	22.8	26.2	22.0	24.0	28.0	24.8	26.2	23.0	19.7	21.3
26	24.5	21.7	23.1	26.7	22.9	24.6	28.1	24.3	26.0	22.9	19.9	21.4
27	23.3	21.7	22.5	26.9	23.0	25.0	27.7	24.4	25.9	23.6	20.3	21.7
28	22.9	21.2	22.1	28.2	23.9	25.8	27.8	24.1	25.5	22.0	19.1	20.9
29	24.9	22.0	23.3	28.4	24.3	26.2	26.8	23.9	25.1	19.8	16.6	18.0
30	25.0	21.9	22.8	26.2	22.9	24.3	28.1	23.7	25.4	19.1	15.1	17.0
31	---	---	---	26.2	24.0	24.7	27.9	24.4	25.9	---	---	---
MONTH	26.2	18.2	22.4	28.4	20.6	24.4	28.4	22.4	25.3	27.6	15.1	22.2

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	8.5	7.6	8.1
2	---	---	---	---	---	---	---	---	---	8.0	4.5	7.5
3	---	---	---	---	---	---	---	---	---	7.9	6.8	7.6
4	---	---	---	---	---	---	---	---	---	8.3	7.4	7.9
5	---	---	---	---	---	---	---	---	---	8.9	7.4	7.9
6	---	---	---	---	---	---	---	---	---	9.4	4.7	8.4
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	9.3	6.9	8.4	---	---	---
18	---	---	---	---	---	---	7.6	6.8	7.3	---	---	---
19	---	---	---	---	---	---	8.6	7.6	8.1	---	---	---
20	---	---	---	---	---	---	8.9	7.9	8.3	---	---	---
21	---	---	---	---	---	---	9.0	7.1	8.2	---	---	---
22	---	---	---	---	---	---	8.8	7.8	8.4	---	---	---
23	---	---	---	---	---	---	9.3	8.3	8.8	---	---	---
24	---	---	---	---	---	---	9.6	8.4	9.1	---	---	---
25	---	---	---	---	---	---	10.6	5.4	9.6	---	---	---
26	---	---	---	---	---	---	9.6	8.8	9.2	---	---	---
27	---	---	---	---	---	---	9.6	8.6	9.1	---	---	---
28	---	---	---	---	---	---	9.3	8.4	8.9	---	---	---
29	---	---	---	---	---	---	9.2	7.9	8.5	---	---	---
30	---	---	---	---	---	---	8.5	7.7	8.1	8.3	7.5	7.9
31	---	---	---	---	---	---	---	---	---	8.1	7.3	7.8
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.4	7.4	7.8	---	---	---	7.0	5.2	6.4	---	---	---
2	8.7	7.4	8.0	8.0	7.4	7.8	6.1	5.0	5.7	---	---	---
3	8.2	0.8	4.6	7.6	6.2	7.2	8.5	0.6	6.2	---	---	---
4	7.0	2.3	6.0	---	---	---	7.5	6.3	6.9	---	---	---
5	7.6	6.8	7.2	---	---	---	6.5	5.6	6.1	---	---	---
6	7.7	5.7	7.0	---	---	---	6.4	4.5	5.8	---	---	---
7	8.1	4.0	7.1	---	---	---	---	---	---	---	---	---
8	7.6	7.1	7.4	---	---	---	---	---	---	---	---	---
9	8.5	7.5	7.9	7.1	6.3	6.7	---	---	---	---	5.7	---
10	8.6	7.9	8.2	8.4	6.1	6.8	---	---	---	8.2	5.4	6.6
11	8.6	7.8	8.3	---	---	---	---	---	---	8.2	5.3	6.6
12	8.0	7.3	7.8	---	---	---	---	---	---	8.1	5.7	6.6
13	9.0	7.3	8.0	---	---	---	---	---	---	8.1	5.6	6.6
14	8.1	7.6	7.9	---	---	---	---	---	---	7.7	5.6	6.3
15	8.6	6.8	7.9	---	---	---	---	---	---	5.6	2.6	4.4
16	9.2	7.3	7.9	---	---	---	---	---	---	6.1	4.1	5.5
17	10.1	1.1	---	---	---	---	---	---	---	6.8	5.7	6.3
18	---	---	---	---	6.2	---	---	---	---	7.1	5.6	6.3
19	---	---	---	7.5	6.1	6.7	---	---	---	7.3	5.7	6.3
20	7.1	6.9	7.0	7.7	5.9	6.7	---	---	---	7.4	5.5	6.2
21	8.0	7.1	7.6	6.1	4.3	5.7	---	---	---	7.5	5.2	6.2
22	8.2	7.4	7.7	7.5	5.8	6.4	---	---	---	---	---	---
23	8.2	7.2	7.7	---	---	---	---	---	---	---	---	---
24	8.0	7.2	7.5	---	---	---	---	---	---	---	---	---
25	8.2	7.3	7.7	---	---	---	---	---	---	---	---	---
26	8.5	7.3	7.8	---	---	---	---	---	---	6.9	6.3	6.6
27	8.5	7.3	7.9	---	---	---	---	---	---	7.0	5.8	6.5
28	8.2	0.2	6.4	---	---	---	---	---	---	6.5	5.6	6.1
29	7.5	1.1	6.8	---	---	---	---	---	---	7.1	6.2	6.7
30	---	---	---	---	---	---	---	---	---	7.4	6.3	6.9
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	12	5.6	7.1
2	---	---	---	---	---	---	---	---	---	400	7.8	84
3	---	---	---	---	---	---	---	---	---	270	25	92
4	---	---	---	---	---	---	---	---	---	82	7.0	12
5	---	---	---	---	---	---	---	---	---	1200	5.5	8.1
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	810	5.8	11	---	---	---
18	---	---	---	---	---	---	290	21	110	---	---	---
19	---	---	---	---	---	---	24	6.6	9.1	---	---	---
20	---	---	---	---	---	---	11	<5.0	6.1	---	---	---
21	---	---	---	---	---	---	>2200	5.5	9.2	---	---	---
22	---	---	---	---	---	---	140	15	38	---	---	---
23	---	---	---	---	---	---	29	7.0	12	---	---	---
24	---	---	---	---	---	---	44	6.5	9.2	---	---	---
25	---	---	---	---	---	---	1900	43	320	---	---	---
26	---	---	---	---	---	---	500	48	150	---	---	---
27	---	---	---	---	---	---	50	12	21	---	---	---
28	---	---	---	---	---	---	78	7.8	12	---	---	---
29	---	---	---	---	---	---	17	6.6	9.7	---	---	---
30	---	---	---	---	---	---	12	6.4	7.6	18	5.9	8.2
31	---	---	---	---	---	---	---	---	---	10	<5.0	6.1
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336300 PEACHTREE CREEK AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334910 LONGITUDE 0842428 NAD83 DRAINAGE AREA 86.80 CONTRIBUTING DRAINAGE AREA DATUM 763.96 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17	<5.0	5.5	---	---	---	130	21	39	25	6.5	12
2	20	<5.0	7.1	310	30	86	160	14	36	65	6.6	14
3	480	7.7	170	38	11	21	760	13	150	200	7.4	22
4	470	16	45	20	8.3	12	190	24	59	420	6.7	9.3
5	23	5.7	9.0	340	8.6	32	30	11	16	13	<5.0	6.9
6	79	<5.0	7.1	100	15	40	83	12	26	21	<5.0	7.7
7	1300	37	300	21	7.1	12	650	8.9	17	23	<5.0	6.6
8	560	22	75	190	5.9	9.0	430	27	100	---	5.1	---
9	66	9.9	16	320	26	42	39	11	19	7.4	<5.0	---
10	15	7.6	10	1300	110	300	18	7.3	11	11	<5.0	8.2
11	24	5.3	9.1	350	40	71	450	11	16	15	<5.0	6.7
12	33	7.2	17	940	15	40	230	22	74	13	<5.0	6.7
13	2200	12	24	460	21	73	76	8.8	18	39	<5.0	6.2
14	390	27	75	520	140	230	20	8.4	11	880	<5.0	7.6
15	430	13	27	---	---	---	17	6.0	9.1	380	27	67
16	830	12	31	---	---	---	67	6.1	8.9	55	8.7	14
17	---	320	---	14	7.0	---	700	55	110	52	<5.0	7.0
18	---	---	---	18	7.5	11	92	11	24	19	<5.0	7.3
19	---	---	---	14	7.0	9.4	100	10	16	16	6.7	9.0
20	---	12	---	29	5.9	9.5	90	14	27	22	9.6	14
21	14	5.9	8.7	430	12	64	36	7.9	18	34	10	18
22	8.6	<5.0	6.4	110	13	27	31	5.9	9.8	1300	8.7	12
23	6.8	<5.0	5.6	1200	58	160	58	7.5	15	>2200	34	110
24	8.3	5.1	6.5	160	20	43	25	5.5	8.9	53	14	22
25	---	---	---	25	13	17	17	<5.0	6.6	27	8.7	14
26	---	---	---	21	12	16	16	<5.0	5.5	19	6.3	9.3
27	---	---	---	38	9.6	14	570	<5.0	6.6	150	6.6	12
28	---	---	---	59	7.4	14	670	18	75	---	---	---
29	---	---	---	94	8.4	13	110	11	18	---	---	---
30	---	---	---	590	13	130	450	6.6	18	---	---	---
31	---	---	---	1000	50	150	180	14	28	---	---	---
MAX	---	---	---	---	---	---	760	55	150	---	---	---
MIN	---	---	---	---	---	---	16	5.0	5.5	---	---	---

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown

APALACHICOLA RIVER BASIN
2003 Water Year

02336300 PEACHTREE CREEK AT ATLANTA, GA

LOCATION.—Lat 33°49'10", long 84°24'28" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130001, on right bank 30 feet downstream of US 41 (Northside Drive) 0.4 miles downstream of Tanyard Branch, and 4.0 miles upstream from mouth.

DRAINAGE AREA.—86.8 square miles, approximately.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—July 31, 1959 to April 15, 1999; April 16, 2003 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

02336300 -- PEACHTREE CREEK AT ATLANTA, GA

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Medium code	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
JUL 30-30	0607	0710	9	3.06	69	81345	56	--	--	--	7.1	190	24.5
JUL 30-30	0608	0711	9	3.06	69	80020	56	--	--	--	7.1	190	24.5
JUL 30-30	0807	0910	9	5.73	656	81345	310	--	--	--	7.2	136	23.0
JUL 30-30	0808	0911	9	5.73	656	80020	310	--	--	--	7.2	136	23.0
JUL 30-30	1007	1110	9	6.18	777	81345	240	--	--	--	7.0	126	23.5
JUL 30-30	1008	1111	9	6.18	777	80020	240	--	--	--	7.0	126	23.5
30...	1200	--	9	7.07	1040	81345	450	--	--	--	6.8	126	23.5
30...	1201	--	9	7.07	1040	80020	450	--	--	--	6.8	126	23.5
JUL 30-30	1207	1310	9	7.40	1140	81345	500	--	--	--	6.8	106	23.5
JUL 30-30	1208	1311	9	7.40	1140	80020	500	--	--	--	6.8	106	23.5
30...	1245	--	9	7.45	1160	81345	390	--	5.2	62	6.6	65	24.0
30...	1246	--	9	7.45	1160	80020	390	--	5.2	62	6.6	65	24.0
JUL 30-30	1407	1510	9	7.20	1080	81345	400	--	--	--	6.6	76	24.0
JUL 30-30	1408	1511	9	7.20	1080	80020	400	--	--	--	6.6	76	24.0
JUL 30-30	1607	1710	9	5.80	676	81345	200	--	--	--	6.6	78	24.0
JUL 30-30	1608	1711	9	5.80	676	80020	200	--	--	--	6.6	78	24.0
AUG 16-16	2247	2349	9	3.56	151	81345	36	--	--	--	7.2	167	26.0
AUG 16-16	2248	2350	9	3.56	151	80020	36	--	--	--	7.2	167	26.0
AUG 17-17	0047	0149	9	5.58	622	81345	460	--	--	--	6.9	122	25.0
AUG 17-17	0048	0150	9	5.58	622	80020	460	--	--	--	6.9	122	25.0
AUG 17-17	0247	0349	9	6.25	806	81345	700	--	--	--	6.7	83	24.0
AUG 17-17	0248	0350	9	6.25	806	80020	700	--	--	--	6.7	83	24.0
AUG 17-17	0447	0549	9	5.10	502	81345	550	--	--	--	6.6	79	24.0
AUG 17-17	0448	0550	9	5.10	502	80020	550	--	--	--	6.6	79	24.0
AUG 17-17	0647	0749	9	4.18	292	81345	320	--	--	--	6.7	87	24.0
AUG 17-17	0648	0750	9	4.18	292	80020	320	--	--	--	6.7	87	24.0
AUG 17-17	0847	0949	9	3.76	190	81345	220	--	--	--	6.8	96	24.0
AUG 17-17	0848	0950	9	3.76	190	80020	220	--	--	--	6.8	96	24.0
20...	0950	--	9	3.06	81	81345	82	749	7.2	89	7.2	129	25.0
20...	0951	--	9	3.06	81	80020	82	749	7.2	89	7.2	129	25.0
20...	1000	--	9	3.06	81	81345	76	749	7.3	90	7.3	129	25.0
20...	1001	--	9	3.06	81	80020	76	749	7.3	90	7.3	129	25.0
25...	0845	--	9	3.08	78	81345	7.2	741	6.3	79	7.2	206	25.0
25...	0846	--	9	3.08	78	80020	7.2	741	6.3	79	7.2	206	25.0
25...	0908	--	9	3.08	78	81345	7.0	741	6.3	79	7.2	185	25.0
25...	0909	--	9	3.08	78	80020	7.0	741	6.3	79	7.2	185	25.0

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)
JUL													
30-30	39	9	12.2	2.18	3.68	.4	5.35	21	30.0	<.1	7.22	.1	13.9
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
30-30	30	9	9.62	1.48	3.04	.3	3.61	19	21.4	<.1	3.91	.1	7.80
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
30-30	27	6	8.72	1.25	2.82	.3	4.08	23	21.2	<.1	4.26	.1	8.12
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	24	5	7.65	1.23	2.78	.3	3.25	20	18.9	<.1	3.57	.1	7.59
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
30-30	20	5	6.31	1.04	2.46	.3	2.63	20	15.6	<.1	2.96	<.1	6.60
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	21	4	6.63	1.10	2.57	.3	2.77	20	17.5	<.1	3.02	<.1	7.08
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
30-30	17	3	5.40	.90	2.18	.2	2.27	20	14.5	<.1	2.92	<.1	5.47
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
30-30	21	6	6.45	1.07	2.51	.3	2.71	20	14.6	<.1	3.24	.1	6.79
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
16-16	20	6	6.22	1.18	2.51	.2	2.49	19	14.5	<.1	2.93	<.1	6.70
AUG													
16-16	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
17-17	49	1	14.6	3.08	3.10	.5	7.60	24	47.7	<.1	8.89	.1	18.8
AUG													
17-17	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
17-17	30	.0	9.24	1.78	2.55	.4	4.58	23	29.8	<.1	5.26	.1	12.1
AUG													
17-17	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
17-17	19	4	5.82	1.11	2.43	.2	2.25	18	14.8	<.1	2.47	<.1	6.60
AUG													
17-17	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
17-17	17	4	5.12	.96	2.25	.2	1.92	18	12.6	<.1	2.37	<.1	5.34
AUG													
17-17	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
17-17	23	5	6.87	1.31	2.55	.3	2.87	19	17.3	<.1	3.48	<.1	7.81
AUG													
17-17	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	41	6	12.1	2.59	3.41	.4	5.43	21	34.7	<.1	6.50	.1	14.0
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	44	5	12.8	2.78	3.30	.4	6.22	22	38.6	<.1	7.72	.1	16.3
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	54	2	15.9	3.52	3.32	.5	8.54	24	52.7	.1	9.37	.2	19.1
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	56	2	16.3	3.59	3.47	.5	8.80	24	53.2	.1	9.95	.2	19.8
25...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)
JUL													
30-30	9.7	76	.10	--	--	.75	.750d	<.100	--	--	--	--	26000
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
30-30	6.9	52	.07	.12	.092	.57	.570d	<.100	.273	.089	.03	1.17	25000
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
30-30	6.0	51	.07	.27	.206	.61	.610d	<.100	.117	.038	.04	1.09	27000
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	5.8	46	.06	.22	.173	.63	.630d	<.100	--	<.004	.02	1.09	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
30-30	5.2	39	.05	.11	.085	.60	.600d	<.100	.126	.041	.01	1.04	--
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	5.2	42	.06	.19	.151	.60	.600d	<.100	.064	.021	.02	1.03	55000
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
30-30	5.0	36	.05	.06	.047	.60	.600d	<.100	.187	.061	.01	1.09	--
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
30-30	5.0	39	.05	.04	.030	.60	.600d	<.100	.083	.027	.01	1.05	--
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
16-16	7.3	41	.06	.10	.079	.72	--	<.100	--	<.024	<.01	1.17	--
AUG													
16-16	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
17-17	9.7	98	.13	.03	.024	.70	--	<.100	--	<.082	<.002	1.06	--
AUG													
17-17	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
17-17	8.0	65	.09	.09	.071	.77	--	<.100	--	<.056	<.01	1.25	--
AUG													
17-17	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
17-17	7.0	40	.05	.18	.138	.71	--	<.100	--	<.112	<.004	1.26	--
AUG													
17-17	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
17-17	6.9	36	.05	.11	.086	.70	--	<.100	--	<.072	.00	1.16	--
AUG													
17-17	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
17-17	7.8	47	.06	.10	.078	.74	--	<.100	.043	.014	<.01	1.29	--
AUG													
17-17	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	10.4	79	.11	.10	.074	.89	--	<.100	--	<.068	.00	1.32	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	10.2	86	.12	.08	.065	.81	--	<.100	.064	.021	.01	1.21	3100
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	10.8	105	.14	.06	.044	.55	.550d	<.020	.282	.092	.01	.78	>240000
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	11.1	108	.15	.07	.054	.55	.550d	<.020	--	<.014	.01	.77	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)
JUL													
30-30	17000k	>242000k	26.6	<100	50	<50	<100	--	--	--	--	--	--
JUL													
30-30	--	--	--	--	--	11	56.2	9	E.02n	<.8	5.0	.37	.88
JUL													
30-30	28000	>242000k	21.3	<100	40	<50	<100	--	--	--	--	--	--
JUL													
30-30	--	--	--	--	--	9	37.6	8	E.03n	<.8	6.1	.29	.73
JUL													
30-30	43000	>242000k	18.9	<100	30	50	<100	--	--	--	--	--	--
JUL													
30-30	--	--	--	--	--	8	55.0	7	E.02n	<.8	3.7	.14	.71
30...	--	--	20.0	<100	30	<50	<100	--	--	--	--	--	--
30...	--	--	--	--	--	6	63.3	6	<.04	<.8	2.7	.15	.69
JUL													
30-30	--	--	18.6	<100	30	<50	<100	--	--	--	--	--	--
JUL													
30-30	--	--	--	--	--	7	52.6	9	E.02n	<.8	2.7	.12	.63
30...	150000k	>242000k	18.5	<100	30	<50	<100	--	--	--	--	--	--
30...	--	--	--	--	--	6	67.3	5	<.04	<.8	2.5	.11	.61
JUL													
30-30	--	--	17.0	<100	20	<50	<100	--	--	--	--	--	--
JUL													
30-30	--	--	--	--	--	7	29.9	9	E.02n	<.8	3.0	.12	.62
JUL													
30-30	--	--	19.9	<100	30	<50	<100	--	--	--	--	--	--
JUL													
30-30	--	--	--	--	--	5	10.9	8	<.04	<.8	2.9	.17	.62
AUG													
16-16	--	--	18.7	<100	30	<50	<100	--	--	--	--	--	--
AUG													
16-16	--	--	--	--	--	6	66.9	6	<.04	<.8	2.5	.09	.96
AUG													
17-17	--	--	26.7	<100	60	<50	<100	--	--	--	--	--	--
AUG													
17-17	--	--	--	--	--	5	63.6	7	<.04	<.8	2.0	.10	6.21
AUG													
17-17	--	--	22.3	<100	40	<50	<100	--	--	--	--	--	--
AUG													
17-17	--	--	--	--	--	14	22.3	6	<.04	<.8	2.2	.18	.66
AUG													
17-17	--	--	17.9	<100	20	<50	<100	--	--	--	--	--	--
AUG													
17-17	--	--	--	--	--	14	10.8	6	<.04	<.8	2.4	.14	.60
AUG													
17-17	--	--	16.1	<100	20	<50	<100	--	--	--	--	--	--
AUG													
17-17	--	--	--	--	--	19	2.5	6	<.04	<.8	2.6	.20	.78
AUG													
17-17	--	--	18.9	<100	30	<50	<100	--	--	--	--	--	--
AUG													
17-17	--	--	--	--	--	10	2.9	6	<.04	<.8	2.4	.12	.68
20...	--	--	27.6	<100	50	<50	<100	--	--	--	--	--	--
20...	--	--	--	--	--	7	22.4	3	<.04	<.8	3.7	.12	.80
20...	2800	141000	28.7	<100	60	<50	<100	--	--	--	--	--	--
20...	--	--	--	--	--	8	42.8	3	<.04	<.8	3.2	.14	.76
25...	18500	3430	33.9	<100	70	<50	170	--	--	--	--	--	--
25...	--	--	--	--	--	7	156	9	E.03n	<.8	2.6	E.05n	.83
25...	--	--	35.1	140	70	<50	200	--	--	--	--	--	--
25...	--	--	--	--	--	7	178	13	E.03n	<.8	2.4	E.05n	.82

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Silver, water, fltrd, ug/L (01075)	Sampler type, code (84164)	Sampling method, code (82398)
JUL 30-30	--	4115	50
JUL 30-30	<.20	4115	50
JUL 30-30	--	4115	50
JUL 30-30	<.20	4115	50
JUL 30-30	--	4115	50
JUL 30-30	<.20	4115	50
30...	--	3052	70
30...	<.20	3052	70
JUL 30-30	--	4115	50
JUL 30-30	<.20	4115	50
30...	--	3052	10
30...	<.20	3052	10
JUL 30-30	--	4115	50
JUL 30-30	<.20	4115	50
JUL 30-30	--	4115	50
JUL 30-30	<.20	4115	50
AUG 16-16	--	4115	50
AUG 16-16	<.20	4115	50
AUG 17-17	--	4115	50
AUG 17-17	<.20	4115	50
AUG 17-17	--	4115	50
AUG 17-17	<.20	4115	50
AUG 17-17	--	4115	50
AUG 17-17	<.20	4115	50
AUG 17-17	--	4115	50
AUG 17-17	<.20	4115	50
AUG 17-17	--	4115	50
AUG 17-17	<.20	4115	50
20...	--	3052	70
20...	<.20	3052	70
20...	--	3052	10
20...	<.20	3052	10
25...	--	3070	10
25...	M	3070	10
25...	--	3044	10
25...	M	3044	10

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Time	Ending time	Medium code	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Aluminum, suspnd sedimnt total, percent (30221)	Antimony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryllium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)
AUG 16-16	2247	2349	1	3.56	151	81350	36	5.2	1.8	5.6	440	M	1.5
AUG 17-17	0047	0149	1	5.58	622	81350	460	6.9	1.0	3.2	530	1	.2
AUG 17-17	0247	0349	1	6.25	806	81350	700	8.0	.9	4.7	540	2	1.2
AUG 17-17	0447	0549	1	5.10	502	81350	550	8.5	1.3	4.7	520	2	.3
AUG 17-17	0647	0749	1	4.18	292	81350	320	10	1.7	6.6	510	2	.8
AUG 17-17	0847	0949	1	3.76	190	81350	220	10	2.0	6.7	500	2	.3
20...	0850	--	1	3.06	81	81350	82	9.7	1.6	6.1	490	2	.9
20...	1010	--	1	3.06	81	81350	76	10	1.8	6.1	540	2	.6
25...	0847	--	1	3.08	78	81350	7.2	7.5	1.6	21	680	2	5.4
25...	0910	--	1	3.08	78	81350	7.0	7.2	1.8	18	690	2	4.0

Date	Chromium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mercury suspnd sedimnt total, ug/g (29841)	Molybdenum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selenium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Strontium, suspnd sedimnt total, ug/g (35040)	Thallium, suspnd sedimnt ug/g (49955)
AUG 16-16	67	11	40	2.4	46	20	--o	<5	17	M	<2	300	<200
AUG 17-17	37	13	35	2.8	64	21	.11	<2	25	M	<1	73	<100
AUG 17-17	58	16	44	3.6	56	26	.05	<2	32	M	2	76	<100
AUG 17-17	64	16	51	3.8	57	28	--o	<2	32	M	<1	88	<100
AUG 17-17	89	20	67	4.7	65	34	--o	<2	92	1	<1	110	<100
AUG 17-17	81	18	77	4.6	61	33	.07	<3	41	1	<2	130	<150
20...	86	20	81	4.4	81	33	.20	3	41	M	<.5	69	<50
20...	74	20	78	4.5	93	35	.21	2	36	M	<.5	69	<50
25...	110	49	200	11	93	24	.12	5	76	1	220	89	<100
25...	85	47	180	9.8	84	24	.17	5	67	1	190	89	<100

Date	Titanium, suspnd sedimnt total, percent (30317)	Vanadium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Sampler type, code (84164)	Sampling method, code (82398)
AUG 16-16	.230	49	240	<200	144	4115	50
AUG 17-17	.320	69	200	<100	2620	4115	50
AUG 17-17	.430	92	200	<100	1360	4115	50
AUG 17-17	.490	100	230	<100	678	4115	50
AUG 17-17	.580	130	300	<100	233	4115	50
AUG 17-17	.550	120	310	<150	178	4115	50
20...	.450	110	300	<50	118	3052	70
20...	.470	110	310	<50	96	3052	10
25...	.350	120	1500	<100	5	3044	10
25...	.350	120	1600	<100	6	3070	70

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Time	Medium code	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)
JUL													
30...	1246	9	7.45	1160	80020	E.1	M	<.5	E.1	<2	<1	<5	2
AUG													
20...	1001	9	3.06	81	80020	<.5	<.5	<.5	<.5	<2	<1	<5	<1
25...	0846	9	3.08	78	80020	<.5	<.5	<.5	<.5	M	<1	<5	<1

Date	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)
JUL													
30...	<1	E4	<1	<2	.6	E.3	<.5	<.5	E.1	<.5	<2	<2	<1
AUG													
20...	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2	<1
25...	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	M	M	<1

Date	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)
JUL													
30...	<.5	.9	<.5	M	E.2	<.5	4	<1	1.0	<.5	<5	<1	E.2
AUG													
20...	E.4	E.2	<.5	<1	<.5	<.5	<2	<1	E.3	<.5	<5	<1	<.5
25...	E.4	E.2	<.5	<1	<.5	<.5	E1	<1	E.2	<.5	<5	<1	<.5

Date	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)
JUL													
30...	<1	E.3	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	E.1
AUG													
20...	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
25...	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5

Date	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)
JUL													
30...	M	<2	E.1	.6	<.5	E.3	<.5	<.5	.5	<1	<.5	E.3	3.2
AUG													
20...	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5	1.7
25...	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5	<.5

02336300 PEACHTREE CREEK AT ATLANTA, GA—continued.

Date	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
JUL					
30...	E.3	E.4	<1.00	3052	10
AUG					
20...	<.5	<.5	<1.00	3052	10
25...	<.5	<.5	<1.00	3070	10

Remark codes used in this report:
   < -- Less than
   > -- Greater than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this report:
   d -- Diluted sample: method hi range exceeded
   k -- Counts outside acceptable range
   n -- Below the NDV

Null value qualifier codes used in this report:
   o -- Insufficient amount of water

APALACHIOLA RIVER BASIN
2003 Water Year

02336309 PEACHTREE CREEK TRIBUTARY AT ROCKINGHAM DRIVE, AT ATLANTA, GA

LOCATION.—Lat 33°49'57", long 84°24'55" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130001, at culvert on Rockingham Drive, 1.0 miles upstream of Peachtree Creek, and 0.5 miles west of US 41 and GA 3.

DRAINAGE AREA.—0.59 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 28, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)
MAR													
21...	1044	81345	7.8	734	9.4	95	7.2	133	14.0	--	41	9	10.8
21...	1045	81350	--	--	--	--	--	--	--	--	--	--	--
21...	1046	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	0730	81345	4.1	746	8.5	97	7.4	137	20.5	--	43	9	11.2
18...	0731	80020	--	--	--	--	--	--	--	--	--	--	--
18...	0732	81350	--	--	--	--	--	--	--	--	--	--	--
28...	0730	80020	2.9	747	8.3	94	7.2	134	20.5	24.5	--	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)
MAR													
21...	3.37	2.44	.4	5.92	23	32.6	<.2	9.97	<.02	17.3	<.02	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	3.58	3.05	.5	7.95	27	33.6	<.1	11.7	<.1	23.0	6.9	94	.13
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336309 PEACHTREE CREEK TRIBUTARY AT ROCKINGHAM DRIVE, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)
MAR													
21...	--	<.028	.06	.060d	<.020	--	<.006	.01	1.38	770	688k	6280	31.5
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	.01	.009	1.39	1.39d	<.100	.126	.041	.02	1.49	3500	3930	64900	33.9
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)
MAR													
21...	<100	60	<50	<100	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	6.6	.9
21...	--	--	10	12.4	4	<.04	<.8	1.3	E.07	.51	<.2	--	--
JUL													
18...	<100	60	95	<100	--	--	--	--	--	--	--	--	--
18...	--	--	4	6.8	1	<.04	<.8	.8	<.08	.48	<.20	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	6.6	480	2	.2	71	20	46	3.7	44	23	1100	<.01	6
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	43	M	<1	190	<100	.340	84	240	<100	6	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	6.4	M	M
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336309 PEACHTREE CREEK TRIBUTARY AT ROCKINGHAM DRIVE, AT ATLANTA, GA—continued.

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	530	2	M	42	14	33	3.1	41	19	750	.02	<1	15
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	.3	<.5	73	.470	78	<50	120	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1

Date	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1	<.5	<.5	E.1	<2

Date	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<2	<1	<.5	M	<.5	<1	<.5	<.5	<2	<1	M	<.5	<5
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<2	<1	<.5	E.5	M	<1	<.5	<.5	<2	<1	1.5	<.5	<5

02336309 PEACHTREE CREEK TRIBUTARY AT ROCKINGHAM DRIVE, AT ATLANTA, GA—continued.

Date	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limo-nene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<1	<.5	<1	M	E.1	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5

Date	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<.5	<.5	<1	<2	<.5	E.2	<.5	<.5	<.5	<.5	<.5	<1	<.5
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<.5	<.5	M	<2	<.5	.9	<.5	M	<.5	<.5	<.5	M	<.5

Date	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
MAR							
21...	--	--	--	--	--	3070	10
21...	--	--	--	--	--	3070	10
21...	<.5	<.5	<.5	<.5	<1.00	3070	10
JUL							
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	70
28...	<.5	<.5	<.5	<.5	<1.00	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range

APALACHICOLA RIVER BASIN
2003 Water Year

02336311 PEACHTREE CREEK AT BOHLER ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°49'20", long 84°25'45" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130001, at bridge on Bohler Road, 1.4 miles upstream of Nancy Creek, 2.0 miles upstream of the Chattahoochee River and 0.4 miles west of Interstate 75.

DRAINAGE AREA.—89.6 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—September 3, 2003 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)
SEP													
03...	0830	9	54	81345	11	746	6.9	82	7.3	151	24.5	50	5
03...	0831	9	54	80020	11	746	6.9	82	7.3	151	24.5	--	--
03...	0845	9	54	81345	10	746	6.9	82	7.3	151	24.5	50	5
03...	0846	9	54	80020	10	746	6.9	82	7.3	151	24.5	--	--

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)
SEP													
03...	14.7	3.28	3.11	.4	7.13	22	45.8	.1	8.72	.1	19.2	8.9	96
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
03...	14.8	3.21	3.24	.4	7.13	22	45.6	.1	8.52	.1	18.9	8.8	95
03...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336311 PEACHTREE CREEK AT BOHLER ROAD, AT ATLANTA, GA—continued.

Date	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)
SEP													
03...	.13	.07	.053	.60	.600d	<.020	.021	.007	.02	.84	1500	2500	81600
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
03...	.13	.07	.056	.56	.560d	<.020	--	<.006	.01	.84	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Sampler type, code (84164)
SEP													
03...	28.4	<100	70	<50	<100	--	--	--	--	--	--	--	3044
03...	--	--	--	5	78.9	3	<.04	<.8	1.9	E.05n	.46	<.20	3044
03...	27.4	<100	70	<50	<100	--	--	--	--	--	--	--	3070
03...	--	--	--	5	82.8	3	<.04	<.8	2.0	E.05n	.49	<.20	3070

Date	Sam-pling method, code (82398)
SEP	
03...	10
03...	10
03...	70
03...	70

Date	Time	Medium code	Instan-taneous dis-charge, cfs (00061)	Agency ana-lyzing sample, code (00028)	Tur-bidity, water, unfltrd field, NTU (61028)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)
SEP													
03...	0900	1	54	81350	10	9.6	2.4	17	590	2	1.5	110	31

Date	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)
SEP													
03...	110	8.0	120	33	.37	<2	56	1	2	72	<100	.460	130

02336311 PEACHTREE CREEK AT BOHLER ROAD, AT ATLANTA, GA—continued.

Date	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Sampler type, code (84164)	Sam-pling method, code (82398)
SEP 03...	740	<100	6	3070	70

Date	Time	Medium code	Instan-taneous dis-charge, cfs (00061)	Agency ana-lyzing sample, code (00028)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)
SEP 03...	0831	9	54	80020	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1

Date	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)
SEP 03...	<5	<1	M	E.1	<.5	M	M	<.5	M	<2	<2	<1	<.5

Date	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limo-nene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)
SEP 03...	E.1	M	<1	M	<.5	<2	M	E.2	<.5	E2	<1	<.5	<1

Date	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)
SEP 03...	M	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M	<.5	<.5	M

Date	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)
SEP 03...	M	M	E.1	<.5	M	<.5	<.5	M	M	<.5	M	E.2	E.1

02336311 PEACHTREE CREEK AT BOHLER ROAD, AT ATLANTA, GA—continued.

Date	Tris(dichloro-i-Pr)phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
SEP 03...	E.1	<1.00	3044	10

0Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

0Value qualifier codes used in this report:
   d -- Diluted sample: method hi range exceeded
   n -- Below the NDV

APALACHICOLA RIVER BASIN
2003 Water Year

02336313 WOODALL CREEK AT DEFOORS FERRY ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°49'18", long 84°26'20" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130001, at bridge on Defoors Ferry Road, 0.2 miles upstream of Peachtree Creek, and 0.8 miles east of Interstate 75.

DRAINAGE AREA.—2.60 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 18, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)
MAR													
21...	0929	81345	15	734	7.7	79	7.1	371	14.5	--	120	19	35.4
21...	0930	81350	--	--	--	--	--	--	--	--	--	--	--
21...	0931	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	0630	81345	5.6	748	6.4	73	7.1	420	22.5	--	130	11	38.2
18...	0631	80020	--	--	--	--	--	--	--	--	--	--	--
18...	0632	81350	--	--	--	--	--	--	--	--	--	--	--
28...	0701	80020	7.0	748	7.0	81	7.2	410	22.5	23.5	--	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)
MAR													
21...	8.25	6.74	.6	15.0	20	103	.4	14.5	.6	21.6	11.9	185	.25
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	9.11	7.30	.8	21.9	25	122	.3	20.2	.5	23.8	56.3	256	.35
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336313 WOODALL CREEK AT DEFOORS FERRY ROAD, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)
MAR													
21...	.37	.285	1.66	1.66d	<.020	.025	.008	.05	2.50	690	1000k	7760	71.3
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	.40	.310	.75	.750d	<.100	.132	.043	M	1.36	170	4270	19600	81.0
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)
MAR													
21...	180	160	<50	300	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	6.2	2.8
21...	--	--	14	259	144	.30	<.8	16.3	.42	3.56	<.2	--	--
JUL													
18...	<100	170	<50	540	--	--	--	--	--	--	--	--	--
18...	--	--	2	541	74	.07	<.8	1.9	.09	3.27	<.20	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	55	530	3	8.3	170	91	140	7.5	120	27	14000	<.01	13
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	35	2	1	240	<100	.200	92	3300	<100	10	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	<50	8.6	M
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336313 WOODALL CREEK AT DEFOORS FERRY ROAD, AT ATLANTA, GA—continued.

Date	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	M	660	2	1	41	16	73	3.9	120	26	790	.03	1
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Coprost-anol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	E.2	<.5	<.5	<.5	<2	<1
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	16	.4	<.5	80	.530	95	450	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	E.1	<.5	<.5	<.5	<2	M

Date	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<5	<1	<1	<5	<1	<2	E.1	<.5	<.5	E.1	<.5	<.5	<2
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	E.1	<.5	<.5	<2

Date	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<2	<1	12.0	E.2	E.2	<1	<.5	<.5	<2	<1	E.1	<.5	E2
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<2	M	1.9	E.1	M	<1	<.5	<.5	<2	<1	E.1	<.5	E2

02336313 WOODALL CREEK AT DEFOORS FERRY ROAD, AT ATLANTA, GA—continued.

Date	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limo-nene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<1	M	<1	E.1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<1	<.5	<1	M	<.5	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5

Date	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<.5	<.5	M	M	<.5	.8	<.5	E.1	E.6	<.5	E.1	<1	<.5
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<.5	<.5	M	<2	M	.6	<.5	E.1	E.1	<.5	E.1	<1	<.5

Date	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
MAR							
21...	--	--	--	--	--	3070	10
21...	--	--	--	--	--	3070	10
21...	M	.8	E.1	E.1	<1.00	3070	10
JUL							
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	70
28...	E.1	E.3	E.1	E.1	<1.00	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range

APALACHICOLA RIVER BASIN
2003 Water Year

02336355 NANCY CREEK TRIBUTARY AT WIEUCA ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°52'12", long 84°22'20" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130001, at culvert on Wieuca Road, 0.2 miles upstream of Nancy Creek, and 0.3 miles west of GA 400.

DRAINAGE AREA.—2.86 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 28, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)
MAR													
21...	0819	81345	9.7	739	9.5	94	6.5	144	13.5	14.5	45	14	12.6
21...	0820	81350	--	--	--	--	--	--	--	--	--	--	--
21...	0821	80020	--	--	--	--	--	--	--	--	--	--	--
MAY													
16...	0715	81350	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	0710	81345	3.6	740	5.4	62	7.0	161	22.0	25.0	60	20	16.2
18...	0711	80020	--	--	--	--	--	--	--	--	--	--	--
18...	0712	81350	--	--	--	--	--	--	--	--	--	--	--
28...	0930	80020	2.8	739	7.8	91	7.2	166	23.0	25.0	--	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)
MAR													
21...	3.33	2.67	.3	5.35	19	31.7	M	7.19	<.02	13.6	19.8	89	.12
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	4.64	3.05	.4	6.90	19	39.2	<.1	9.64	.1	21.7	19.6	111	.15
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336355 NANCY CREEK TRIBUTARY AT WIEUCA ROAD, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)
MAR													
21...	.12	.091	1.06	1.06d	<.020	--	<.004	.04	1.33	380	370	11800	28.0
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	.02	.018	.99	.990d	<.100	.163	.053	.01	1.30	450	680	51700	28.3
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)
MAR													
21...	170	60	<50	330	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	8.2	2.4
21...	--	--	39	298	15	E.03	<.8	2.1	.16	4.80	<.2	--	--
MAY													
16...	--	--	--	--	--	--	--	--	--	--	--	12	.9
JUL													
18...	140	80	<50	600	--	--	--	--	--	--	--	--	--
18...	--	--	22	566	7	E.03n	<.8	1.2	E.07n	6.36	<.20	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	27	420	3	1.3	75	220	62	5.4	69	23	12000	<.01	21
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
16...	18	500	3	.8	100	22	63	5.5	110	44	1800	.15	5
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	98	2	<1	85	<150	.360	93	760	<150	3	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
16...	51	M	<.5	46	<50	.420	120	300	<50	23	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	<50	7.5	M
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336355 NANCY CREEK TRIBUTARY AT WIEUCA ROAD, AT ATLANTA, GA—continued.

Date	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	M	460	2	M	44	21	42	3.4	58	23	1600	.07	1
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1
MAY													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	24	.4	<.5	45	.520	73	200	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M

Date	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2
MAY													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2

Date	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<2	<1	<.5	E.2	<.5	<1	<.5	<.5	<2	<1	M	<.5	<5
MAY													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<2	<1	<.5	E.1	M	<1	<.5	<.5	<2	<1	E.1	<.5	<5

02336355 NANCY CREEK TRIBUTARY AT WIEUCA ROAD, AT ATLANTA, GA—continued.

Date	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limo-nene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
MAY													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<1	<.5	<1	<.5	<.5	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5

Date	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<.5
MAY													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<.5	<.5	M	<2	<.5	.6	<.5	<.5	<.5	<.5	<.5	<1	<.5

Date	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
MAR							
21...	--	--	--	--	--	3070	10
21...	--	--	--	--	--	3070	10
21...	<.5	E.2	<.5	<.5	<1.00	3070	10
MAY							
16...	--	--	--	--	--	3070	10
JUL							
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	70
28...	<.5	<.5	<.5	E.1	<1.00	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
n -- Below the NDV

APALACHICOLA RIVER BASIN
2003 Water Year

02336360 NANCY CREEK AT RICKENBACKER DRIVE AT ATLANTA, GA

LOCATION.—Lat 33°52'09", long 84°22'44" referenced to North American Datum (NAD) of 1927, Hydrologic Unit 03130101, Fulton County, 75 feet downstream of bridge on Rickenbacker Drive, 0.20 miles east of US 19 and GA 9, 6.9 miles upstream of Peachtree Creek, and 1.2 miles north of GA 237.

DRAINAGE AREA.—26.6 square miles.

COOPERATION.—City of Atlanta.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 24, 2003 to September 30, 2003.

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 810.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.18 feet, June 17; minimum gage-height recorded, 0.71 feet, September 17.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 24, 2003 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60* CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	0.84	5.41	1.12	0.93
2	---	---	---	---	---	---	---	---	---	2.12	0.96	0.83
3	---	---	---	---	---	---	---	---	---	1.39	2.02	0.86
4	---	---	---	---	---	---	---	---	1.16	1.31	1.35	---
5	---	---	---	---	---	---	---	---	1.02	1.45	1.00	---
6	---	---	---	---	---	---	---	---	1.09	1.25	1.19	0.80
7	---	---	---	---	---	---	---	---	3.03	1.20	1.46	0.82
8	---	---	---	---	---	---	---	---	1.71	1.26	1.14	0.80
9	---	---	---	---	---	---	---	---	1.14	1.19	0.95	0.80
10	---	---	---	---	---	---	---	---	0.99	1.74	0.97	0.82
11	---	---	---	---	---	---	---	---	0.97	1.35	1.13	0.84
12	---	---	---	---	---	---	---	---	1.29	1.08	1.07	0.82
13	---	---	---	---	---	---	---	---	1.99	1.06	1.00	0.81
14	---	---	---	---	---	---	---	---	1.23	1.71	0.95	1.09
15	---	---	---	---	---	---	---	---	1.04	1.25	0.93	1.00
16	---	---	---	---	---	---	---	---	1.04	1.10	0.92	0.81
17	---	---	---	---	---	---	---	---	5.59	1.04	0.99	---
18	---	---	---	---	---	---	---	---	---	1.00	0.89	0.83
19	---	---	---	---	---	---	---	---	2.00	0.92	0.84	0.85
20	---	---	---	---	---	---	---	---	1.50	0.97	0.87	0.78
21	---	---	---	---	---	---	---	---	1.33	1.21	0.84	0.78
22	---	---	---	---	---	---	---	---	1.26	1.20	0.84	2.24
23	---	---	---	---	---	---	---	---	1.23	2.12	0.88	1.35
24	---	---	---	---	---	---	---	1.23	1.13	1.07	0.88	1.00
25	---	---	---	---	---	---	---	1.41	1.05	1.00	0.81	0.98
26	---	---	---	---	---	---	---	1.52	1.10	0.95	0.82	0.94
27	---	---	---	---	---	---	---	1.08	1.08	0.94	0.83	1.15
28	---	---	---	---	---	---	---	1.01	1.83	0.89	0.88	1.08
29	---	---	---	---	---	---	---	0.95	1.33	0.86	1.26	0.91
30	---	---	---	---	---	---	---	0.90	1.79	1.68	1.03	0.89
31	---	---	---	---	---	---	---	0.87	---	1.55	0.94	---
MEAN	---	---	---	---	---	---	---	---	---	1.40	1.02	---
MAX	---	---	---	---	---	---	---	---	---	5.41	2.02	---
MIN	---	---	---	---	---	---	---	---	---	0.86	0.81	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60* CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	0.00	2.90	0.00	0.00
2	---	---	---	---	---	---	---	---	0.00	0.01	0.00	0.06
3	---	---	---	---	---	---	---	---	0.91	0.00	1.09	0.01
4	---	---	---	---	---	---	---	---	0.04	0.00	0.01	---
5	---	---	---	---	---	---	---	---	0.00	0.52	0.35	---
6	---	---	---	---	---	---	---	---	0.47	0.00	0.08	0.00
7	---	---	---	---	---	---	---	---	1.48	0.00	0.35	0.00
8	---	---	---	---	---	---	---	---	0.00	0.38	0.00	0.00
9	---	---	---	---	---	---	---	---	0.00	0.01	0.00	0.00
10	---	---	---	---	---	---	---	---	0.00	1.11	0.00	0.00
11	---	---	---	---	---	---	---	---	0.08	0.00	0.00	0.00
12	---	---	---	---	---	---	---	---	0.12	0.00	0.06	0.00
13	---	---	---	---	---	---	---	---	0.77	0.30	0.09	0.00
14	---	---	---	---	---	---	---	---	0.01	0.07	0.00	0.56
15	---	---	---	---	---	---	---	---	0.03	0.00	0.00	0.00
16	---	---	---	---	---	---	---	---	1.13	0.05	0.25	0.01
17	---	---	---	---	---	---	---	---	1.05	0.01	0.00	0.00
18	---	---	---	---	---	---	---	---	1.07	0.00	0.00	0.00
19	---	---	---	---	---	---	---	---	0.26	0.00	0.00	0.00
20	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	---	---	0.00	0.27	0.04	1.75
23	---	---	---	---	---	---	---	---	0.00	0.69	0.00	0.00
24	---	---	---	---	---	---	---	0.00	0.00	0.00	0.19	0.00
25	---	---	---	---	---	---	---	0.13	0.00	0.00	0.00	0.00
26	---	---	---	---	---	---	---	0.03	0.00	0.00	0.00	0.00
27	---	---	---	---	---	---	---	0.00	0.01	0.06	0.19	0.45
28	---	---	---	---	---	---	---	0.00	2.10	0.00	0.18	0.00
29	---	---	---	---	---	---	---	0.00	0.00	0.00	0.12	0.00
30	---	---	---	---	---	---	---	0.00	0.79	1.20	0.00	0.00
31	---	---	---	---	---	---	---	0.00	---	0.74	0.00	---
TOTAL	---	---	---	---	---	---	---	---	10.32	8.32	3.00	---

APALACHICOLA RIVER BASIN
2003 Water Year

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA

LOCATION.—Lat. 33°52'09", Long. 84°22'44" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130101, 75 feet downstream of bridge on Rickenbacker Drive, 0.2 miles east of US 19 and GA 9, 6.9 miles upstream of Peachtree Creek, and 1.2 miles north of GA 237.

DRAINAGE AREA.—26.6 square miles.

COOPERATION.—City of Atlanta.

PERIOD OF RECORD.—May 24, 2003 to September 30, 2003.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: May 24, 2003 to September 30, 2003.
pH: May 24, 2003 to September 30, 2003.
WATER TEMPERATURE: May 24, 2003 to September 30, 2003.
DISSOLVED OXYGEN: May 24, 2003 to September 30, 2003.
TURBIDITY: May 24, 2003 to September 30, 2003.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good, except for turbidity and dissolved oxygen which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 128 microsiemens, June 2, 2003; minimum recorded, 32 microsiemens, June 17, 2003.
pH: Maximum recorded, 7.3 units, on several days; minimum recorded, 6.2 units, June 17, 2003.
WATER TEMPERATURE: Maximum recorded, 27.2°C, August 16, 2003; minimum recorded, 14.8°C, September 30, 2003.
DISSOLVED OXYGEN: Maximum recorded, 10.2 mg/L, June 16-18, September 30, 2003; minimum recorded, 7.0 mg/L, July 5, 7, 2003.
TURBIDITY: Maximum recorded, 1,600 NTU, June 5, 7, 2003; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	107	100	103
25	---	---	---	---	---	---	---	---	---	112	63	104
26	---	---	---	---	---	---	---	---	---	92	66	81
27	---	---	---	---	---	---	---	---	---	105	92	99
28	---	---	---	---	---	---	---	---	---	118	104	109
29	---	---	---	---	---	---	---	---	---	119	113	117
30	---	---	---	---	---	---	---	---	---	120	116	117
31	---	---	---	---	---	---	---	---	---	122	119	120
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	125	120	122	75	34	54	91	64	80	92	88	90
2	128	121	124	90	53	76	98	91	95	94	90	91
3	122	60	75	97	88	91	99	49	75	96	92	94
4	91	77	85	94	91	92	79	65	71	---	---	---
5	98	91	94	96	75	91	94	79	88	102	99	100
6	114	87	102	89	76	86	91	75	84	104	99	101
7	87	36	62	96	89	91	95	62	85	102	100	101
8	80	45	68	102	80	95	88	62	75	103	102	102
9	91	80	85	101	78	91	95	88	92	105	103	104
10	108	91	98	105	59	91	97	86	95	104	102	103
11	113	105	107	87	66	79	98	84	92	103	100	102
12	107	61	98	94	87	91	95	84	88	105	100	101
13	80	53	68	99	94	96	101	95	98	105	102	104
14	85	62	76	99	57	89	105	101	102	106	89	102
15	97	84	90	86	66	78	105	102	103	98	87	91
16	107	41	102	91	86	89	109	99	104	108	98	103
17	74	32	53	94	89	92	102	90	95	107	103	105
18	80	38	66	101	94	97	101	97	100	110	103	107
19	87	68	78	105	101	104	103	100	102	106	99	102
20	95	86	90	107	91	106	105	103	104	106	103	104
21	101	95	98	---	---	---	106	102	104	105	102	104
22	104	100	102	---	---	---	105	99	102	105	36	84
23	107	100	103	83	47	63	104	96	98	83	55	74
24	116	107	110	91	70	82	97	93	95	90	83	87
25	119	115	116	101	91	95	99	94	97	97	90	93
26	115	109	111	102	100	101	100	97	98	98	93	96
27	114	108	110	106	102	103	108	96	98	102	64	94
28	126	54	97	107	104	106	101	94	96	88	72	79
29	94	66	82	111	107	109	101	62	90	93	88	91
30	103	53	85	112	61	82	85	63	76	96	90	93
31	---	---	---	90	61	76	89	84	87	---	---	---
MONTH	128	32	92	---	---	---	109	49	93	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	7.0	6.9	7.0
25	---	---	---	---	---	---	---	---	---	7.1	6.7	7.0
26	---	---	---	---	---	---	---	---	---	6.9	6.7	6.8
27	---	---	---	---	---	---	---	---	---	7.0	6.9	7.0
28	---	---	---	---	---	---	---	---	---	7.0	7.0	7.0
29	---	---	---	---	---	---	---	---	---	7.1	7.0	7.0
30	---	---	---	---	---	---	---	---	---	7.1	7.0	7.0
31	---	---	---	---	---	---	---	---	---	7.0	7.0	7.0
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.1	7.0	7.1	6.8	6.4	6.6	7.0	6.7	6.9	7.1	6.9	7.0
2	7.2	7.0	7.1	6.7	6.5	6.6	7.0	6.9	7.0	7.1	6.9	7.0
3	7.1	6.8	6.9	6.8	6.7	6.7	7.1	6.6	6.8	7.2	7.0	7.1
4	7.0	6.8	6.9	6.8	6.7	6.8	6.9	6.8	6.8	---	---	---
5	7.0	6.8	6.9	6.8	6.6	6.8	7.0	6.9	6.9	7.2	7.0	7.1
6	7.0	6.8	6.9	6.8	6.6	6.8	6.9	6.7	6.9	7.2	7.0	7.1
7	6.9	6.4	6.8	7.0	6.8	6.8	7.0	6.5	6.9	7.2	7.0	7.1
8	6.8	6.5	6.8	7.0	6.8	6.9	6.9	6.5	6.8	7.2	7.0	7.1
9	6.9	6.8	6.8	7.0	6.7	6.9	7.0	6.9	7.0	7.3	7.0	7.1
10	7.0	6.9	6.9	7.0	6.7	6.9	7.1	6.8	7.0	7.3	7.1	7.2
11	7.0	6.9	7.0	6.8	6.7	6.8	7.1	6.7	6.9	7.3	7.1	7.1
12	7.0	6.6	6.9	6.9	6.8	6.9	7.0	6.7	6.9	7.2	7.1	7.1
13	7.0	6.7	6.8	7.0	6.9	6.9	7.0	6.9	7.0	7.2	7.0	7.1
14	7.0	6.8	6.9	7.0	6.4	6.9	7.1	6.9	7.0	7.2	6.8	7.0
15	7.0	7.0	7.0	6.8	6.6	6.8	7.1	7.0	7.0	6.8	6.7	6.7
16	7.1	6.7	7.0	6.9	6.8	6.9	7.1	6.9	7.0	7.0	6.8	6.9
17	6.7	6.2	6.5	7.0	6.9	6.9	6.9	6.8	6.9	7.1	6.9	6.9
18	6.8	6.5	6.6	7.0	6.9	7.0	7.1	6.9	7.0	7.1	6.9	7.0
19	6.7	6.6	6.7	7.0	6.9	7.0	7.2	6.9	7.0	7.1	6.9	6.9
20	6.8	6.7	6.7	7.1	6.8	7.0	7.2	7.0	7.0	7.1	6.9	7.0
21	6.8	6.8	6.8	---	---	---	7.3	7.0	7.0	7.2	6.9	7.0
22	6.9	6.8	6.8	---	---	---	7.3	7.0	7.0	7.0	6.4	7.0
23	7.0	6.8	6.9	7.0	6.7	6.8	7.2	6.9	7.0	6.8	6.5	6.8
24	7.1	6.9	7.0	7.0	6.9	7.0	7.3	7.0	7.0	6.9	6.8	6.9
25	7.1	6.9	7.0	7.1	7.0	7.0	7.2	7.0	7.0	7.0	6.9	6.9
26	7.1	7.0	7.1	7.1	7.0	7.1	7.3	7.0	7.1	6.9	6.8	6.9
27	7.2	7.0	7.1	7.2	7.0	7.1	7.3	7.0	7.1	7.0	6.6	6.9
28	7.1	6.8	7.0	7.2	7.1	7.1	7.2	6.9	7.0	6.9	6.7	6.8
29	6.9	6.8	6.9	7.3	7.1	7.2	7.1	6.5	6.9	7.0	6.9	6.9
30	6.9	6.6	6.8	7.2	6.7	6.8	6.9	6.5	6.8	7.0	6.9	7.0
31	---	---	---	7.0	6.7	6.9	7.0	6.9	7.0	---	---	---
MAX	7.2	7.0	7.1	---	---	---	7.3	7.0	7.1	---	---	---
MIN	6.7	6.2	6.5	---	---	---	6.9	6.5	6.8	---	---	---

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LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	21.2	18.0	19.5
25	---	---	---	---	---	---	---	---	---	21.5	18.2	19.8
26	---	---	---	---	---	---	---	---	---	21.9	19.6	20.5
27	---	---	---	---	---	---	---	---	---	21.6	18.7	20.1
28	---	---	---	---	---	---	---	---	---	21.6	18.1	19.9
29	---	---	---	---	---	---	---	---	---	20.9	18.1	19.5
30	---	---	---	---	---	---	---	---	---	21.2	17.4	19.3
31	---	---	---	---	---	---	---	---	---	22.1	18.6	20.3
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.1	18.9	20.4	22.6	21.0	21.5	26.5	23.8	24.9	24.8	22.4	23.4
2	21.3	17.8	19.7	22.2	20.9	21.4	25.7	23.6	24.6	24.9	22.1	23.4
3	21.0	19.1	20.3	23.8	20.3	21.9	24.7	22.5	24.0	25.5	22.8	24.3
4	23.3	20.2	21.5	23.4	21.6	22.5	25.1	23.0	24.0	---	23.0	---
5	23.2	19.3	21.3	23.4	21.5	22.4	25.8	23.2	24.4	24.3	22.0	23.2
6	21.8	20.5	21.0	24.7	22.4	23.5	24.5	23.1	23.8	23.3	22.0	22.6
7	23.2	20.8	21.8	25.4	22.4	23.8	25.2	22.2	23.3	22.2	20.9	21.4
8	24.1	22.1	22.9	26.3	23.2	24.4	25.8	23.1	24.1	22.3	19.7	20.9
9	24.5	21.1	22.7	26.4	23.2	24.6	24.9	22.0	23.5	22.8	19.9	21.3
10	24.7	21.0	22.9	25.0	22.8	23.8	25.1	22.5	23.8	22.1	20.4	21.3
11	25.3	22.0	23.5	24.6	22.4	23.4	24.7	22.4	23.5	22.5	19.7	21.1
12	24.3	21.7	22.9	25.2	21.9	23.5	25.0	22.8	23.8	22.1	19.0	20.7
13	23.8	22.0	22.9	25.3	22.4	23.8	25.1	23.1	24.0	22.2	19.0	20.6
14	24.8	22.4	23.4	25.0	21.6	23.4	26.0	22.9	24.4	22.9	19.9	21.1
15	25.3	22.4	23.8	25.7	23.1	24.3	26.5	23.6	25.0	23.8	21.7	22.5
16	25.6	22.3	24.2	24.7	22.3	23.6	27.2	23.9	24.9	22.5	19.9	21.2
17	23.5	21.9	22.6	26.1	22.5	24.1	26.2	22.1	24.2	22.3	19.5	20.8
18	---	22.0	---	26.0	23.1	24.5	26.0	23.3	24.6	21.6	18.5	20.1
19	24.0	21.6	22.5	25.6	23.1	24.3	25.9	23.0	24.4	21.7	18.4	20.1
20	24.3	21.5	22.7	26.3	23.3	24.8	25.1	23.5	24.2	22.6	19.4	20.9
21	23.9	19.6	21.7	---	---	---	25.6	22.9	24.2	22.3	20.3	21.3
22	24.1	19.5	21.7	---	---	---	25.9	22.9	24.4	22.8	21.5	21.9
23	24.7	20.5	22.6	24.3	22.8	23.5	26.6	23.3	24.8	22.7	20.9	21.6
24	24.7	21.7	23.2	25.0	21.3	23.1	26.5	23.2	24.5	21.2	18.8	20.2
25	24.7	21.4	23.0	24.7	21.1	22.9	25.5	23.1	24.2	21.9	19.2	20.5
26	24.0	21.2	22.7	25.8	22.1	23.8	26.0	23.2	24.5	21.5	19.0	20.3
27	22.8	21.2	22.0	26.1	22.5	24.2	26.0	23.5	24.7	22.4	19.5	20.7
28	24.1	20.3	21.6	26.3	23.3	24.8	25.6	23.2	24.4	21.1	18.8	20.3
29	24.8	22.4	23.5	26.8	23.7	25.2	26.2	23.4	24.3	18.8	16.2	17.4
30	23.3	21.7	22.6	25.4	23.1	24.3	25.4	23.2	24.3	17.7	14.8	16.3
31	---	---	---	26.5	23.5	24.5	25.1	22.6	23.8	---	---	---
MONTH	---	17.8	---	---	---	---	27.2	22.0	24.2	---	14.8	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335209 LONGITUDE 0842244 NAD83 DRAINAGE AREA 26.60 CONTRIBUTING DRAINAGE AREA DATUM 810.00 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	8.4	7.7	8.1
25	---	---	---	---	---	---	---	---	---	8.3	7.5	8.0
26	---	---	---	---	---	---	---	---	---	7.8	7.4	7.6
27	---	---	---	---	---	---	---	---	---	8.0	7.5	7.8
28	---	---	---	---	---	---	---	---	---	8.1	7.4	7.8
29	---	---	---	---	---	---	---	---	---	8.1	7.4	7.8
30	---	---	---	---	---	---	---	---	---	8.6	7.5	8.0
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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STATION NUMBER 02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA. STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
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WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	8.2	7.2	7.7	8.1	7.5	7.8	---	---	---
2	---	---	---	7.7	7.5	7.6	8.5	7.6	8.0	---	---	---
3	---	---	---	8.0	7.3	7.6	8.9	7.8	8.0	---	---	---
4	---	---	---	7.8	7.4	7.6	8.4	7.9	8.1	---	---	---
5	8.0	7.3	7.7	7.8	7.0	7.6	8.5	7.8	8.1	---	---	---
6	8.1	7.4	7.8	7.6	7.1	7.3	8.2	7.6	8.0	---	---	---
7	8.2	7.4	7.8	7.6	7.0	7.3	8.7	7.5	8.3	---	---	---
8	7.7	7.4	7.6	7.9	7.1	7.5	8.3	7.6	7.9	---	---	---
9	7.9	7.3	7.7	7.6	7.1	7.3	8.8	8.1	8.4	---	---	---
10	8.2	7.4	7.8	8.0	7.1	7.5	8.9	7.7	8.4	---	---	---
11	8.2	7.4	7.8	7.7	7.4	7.5	8.9	7.7	8.4	---	---	---
12	8.2	7.3	7.9	8.0	7.4	7.7	8.6	7.8	8.2	---	---	---
13	8.2	7.6	7.9	8.0	7.2	7.7	8.8	8.0	8.4	---	---	---
14	8.5	8.0	8.3	8.2	7.2	7.7	8.9	7.8	8.4	---	---	---
15	9.0	8.3	8.7	7.6	7.1	7.4	8.8	7.9	8.3	---	---	---
16	10.2	8.4	8.9	8.0	7.3	7.7	9.0	7.6	8.3	8.3	---	---
17	10.2	9.0	9.4	8.1	7.3	7.7	8.6	7.4	8.0	8.5	7.6	8.0
18	10.2	9.2	9.6	8.2	7.4	7.7	8.9	7.6	8.1	8.9	7.9	8.3
19	10.0	9.2	9.5	8.2	7.4	7.7	9.1	7.6	8.3	9.1	8.0	8.5
20	9.4	8.7	9.1	8.2	7.3	7.7	9.2	7.8	8.4	9.0	7.8	8.3
21	---	---	---	---	---	---	9.5	7.9	8.5	9.1	7.9	8.3
22	---	---	---	---	---	---	9.5	7.4	8.3	8.4	7.4	7.9
23	---	---	---	8.3	7.5	8.0	---	---	---	8.2	7.7	8.0
24	---	---	---	8.6	7.9	8.2	---	---	---	8.8	8.1	8.5
25	---	---	---	8.6	7.6	8.2	---	---	---	8.9	8.3	8.5
26	---	---	---	---	---	---	---	---	---	8.9	8.3	8.6
27	---	---	---	---	---	---	---	---	---	8.9	7.9	8.5
28	---	---	---	---	---	---	---	---	---	8.5	7.8	8.1
29	---	---	---	---	---	---	---	---	---	9.8	8.5	9.2
30	---	---	---	---	---	---	---	---	---	10.2	9.4	9.8
31	---	---	---	8.3	7.4	7.8	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
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10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
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18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
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30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

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WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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7	---	---	---	---	---	---	---	---	---	---	---	---
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9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	41	21	27
25	---	---	---	---	---	---	---	---	---	380	15	21
26	---	---	---	---	---	---	---	---	---	430	36	82
27	---	---	---	---	---	---	---	---	---	37	22	28
28	---	---	---	---	---	---	---	---	---	38	18	25
29	---	---	---	---	---	---	---	---	---	40	15	20
30	---	---	---	---	---	---	---	---	---	24	11	15
31	---	---	---	---	---	---	---	---	---	42	6.8	9.6
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

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Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18	6.8	8.9	600	52	200	75	12	21	27	6.9	9.8
2	10	5.8	8.2	270	50	69	19	5.4	7.1	46	<5.0	6.6
3	610	8.6	140	69	32	38	660	5.8	90	---	<5.0	---
4	72	30	44	44	26	35	110	18	34	---	---	---
5	51	20	30	350	24	34	99	7.7	13	---	<5.0	---
6	110	12	19	65	13	23	120	18	26	12	<5.0	7.2
7	1600	53	160	25	9.4	13	660	9.5	16	11	<5.0	6.3
8	670	44	62	230	11	16	510	21	62	21	<5.0	5.2
9	79	23	39	96	13	20	21	7.2	11	22	<5.0	5.0
10	49	16	23	640	8.6	14	52	5.4	9.6	14	<5.0	5.4
11	91	12	29	130	22	40	430	6.8	13	10	<5.0	5.2
12	280	18	44	48	17	26	430	14	34	47	<5.0	8.4
13	370	57	120	59	18	23	22	8.4	13	42	<5.0	9.8
14	96	24	40	730	56	120	18	6.0	9.7	410	<5.0	5.4
15	52	16	28	---	---	---	20	6.6	8.9	340	17	60
16	810	13	18	---	---	---	99	5.7	12	22	<5.0	7.3
17	1200	160	340	---	---	---	170	18	56	10	<5.0	6.1
18	1000	140	190	---	---	---	55	9.3	20	8.7	<5.0	5.7
19	250	92	130	---	---	---	43	9.7	18	9.4	<5.0	5.6
20	---	---	---	---	---	---	83	<5.0	5.4	9.3	<5.0	<5.0
21	---	---	---	---	---	---	8.4	<5.0	<5.0	6.8	<5.0	<5.0
22	---	---	---	---	---	---	9.3	<5.0	5.8	890	<5.0	5.9
23	---	---	---	320	54	180	15	<5.0	5.3	330	26	56
24	---	---	---	55	13	22	22	<5.0	<5.0	28	12	17
25	31	<5.0	<5.0	18	9.4	11	6.1	<5.0	<5.0	14	8.6	12
26	50	<5.0	5.3	21	<5.0	6.2	25	<5.0	<5.0	26	5.7	7.9
27	9.9	<5.0	<5.0	17	<5.0	5.3	56	<5.0	<5.0	300	5.7	8.2
28	490	5.4	62	38	<5.0	<5.0	36	<5.0	14	120	15	31
29	210	25	43	8.7	<5.0	<5.0	430	<5.0	9.7	20	6.3	12
30	530	15	25	300	<5.0	71	240	10	21	14	5.7	7.7
31	---	---	---	350	11	30	30	6.0	8.8	---	---	---
MAX	---	---	---	---	---	---	660	21	90	---	---	---
MIN	---	---	---	---	---	---	6.1	5.0	5.0	---	---	---

< Actual value is known to be less than the value shown

APALACHICOLA RIVER BASIN
2003 Water Year

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA

LOCATION.—Lat 33°52'09", long 84°22'44" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130001, 75 feet downstream of bridge on Rickenbacker Drive, 0.2 miles east of US 19 and GA 9, 6.9 miles upstream of Peachtree Creek, and 1.2 miles north of GA 237.

DRAINAGE AREA.—26.6 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—July 19, 1976, May 24, 2004 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)
AUG													
13...	1045	9	1.00	15	81345	14	6.6	77	7.3	104	23.0	30	4
13...	1046	9	1.00	15	80020	14	6.6	77	7.3	104	23.0	--	--
13...	1120	9	.99	15	81345	12	6.6	77	7.3	104	23.0	30	5
13...	1121	9	.99	15	80020	12	6.6	77	7.3	104	23.0	--	--

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)
AUG													
13...	8.77	1.90	2.35	.4	5.15	26	25.3	<.1	5.17	.1	12.6	10.3	64
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	8.72	1.98	2.37	.4	5.11	25	25.3	<.1	5.16	.1	12.8	10.3	65
13...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA—continued.

Date	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L as N (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)
AUG													
13...	.09	.04	.030	.59	.590d	<.100	<.072	<.002	.85	710	1600	41000	20.2
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	.09	.03	.024	.59	.590d	<.100	<.064	<.002	.84	--	--	--	20.5
13...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Sampler type, code (84164)	Sam-pling method, code (82398)
AUG													
13...	<100	50	<50	<100	--	--	--	--	--	--	--	3044	10
13...	--	--	5	76.4	3	<.04	<.8	1.3	<.08	.76	<.20	3044	10
13...	<100	50	<50	<100	--	--	--	--	--	--	--	3070	70
13...	--	--	5	69.5	3	<.04	<.8	1.2	<.08	.80	<.20	3070	70

Date	Time	Ending time	Medium code	Gage height, feet (00065)	Agency ana-lyzing sample, code (00028)	Tur-bidity, water, unfltrd field, NTU (61028)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)
AUG													
11-11	1444	1555	1	6.92	81350	300	10	3.1	7.6	490	2	.7	81
AUG													
11-11	1623	1725	1	6.80	81350	650	11	1.9	7.8	520	2	.6	56
26...	0720	--	1	3.95	81350	8.3	9.0	1.2	12	720	2	1.9	88

Date	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)
AUG													
11-11	18	58	4.3	80	34	--o	<3	30	1	<2	140	<150	.380
AUG													
11-11	17	52	4.6	84	39	--o	<2	28	1	<1	97	<100	.430
26...	31	55	9.3	67	29	.13	3	46	1	2	80	<100	.330

Date	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Sampler type, code (84164)	Sam-pling method, code (82398)
AUG						
11-11	98	560	<150	238	4115	50
AUG						
11-11	110	360	<100	580	4115	50
26...	110	570	<100	8	3070	70

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA—continued.

Date	Time	Medium code	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)
AUG 13...	1046	9	1.00	15	80020	M	<.5	<.5	<.5	<2	<1	<5	<1

Date	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)
AUG 13...	<1	<5	<1	<2	<.5	E.1	<.5	<.5	<.5	E.1	<2	<2	<1

Date	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)
AUG 13...	<.5	E.1	<.5	<1	<.5	<.5	M	<1	E.2	<.5	<5	<1	<.5

Date	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)
AUG 13...	<1	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5

Date	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)
AUG 13...	<1	<2	<.5	E.4	<.5	M	<.5	<.5	<.5	<1	<.5	<.5	<.5

Date	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
AUG 13...	E.1	E.1	<1.00	3044	10

02336360 NANCY CREEK AT RICKENBACKER DRIVE, AT ATLANTA, GA—continued.

0Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

0Value qualifier codes used in this report:
   d -- Diluted sample: method hi range exceeded

0Null value qualifier codes used in this report:
   o -- Insufficient amount of water

02336370 NANCY CREEK TRIBUTARY AT LAKE FOREST DRIVE, AT ATLANTA, GA

LOCATION.—Lat 33°52'27", long 84°23'15" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130001, at culvert on Lake Forest Drive, 0.5 miles upstream of Nancy Creek, and 0.8 miles west of US 19 and GA 9.

DRAINAGE AREA.—0.24 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 28, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)
MAR													
21...	0924	81345	4.0	739	9.3	92	6.5	100	13.5	17.5	29	6	7.68
21...	0925	81350	--	--	--	--	--	--	--	--	--	--	--
21...	0926	80020	--	--	--	--	--	--	--	--	--	--	--
MAY													
16...	0800	81350	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	0820	81345	1.6	740	4.8	54	7.1	112	21.5	25.0	36	7	10.1
18...	0821	80020	--	--	--	--	--	--	--	--	--	--	--
18...	0822	81350	--	--	--	--	--	--	--	--	--	--	--
28...	0850	80020	1.5	740	6.7	76	7.4	104	22.0	26.0	--	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)
MAR													
21...	2.35	2.44	.4	5.35	27	23.2	<.1	7.58	<.02	9.69	5.3	62	.08
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	2.52	2.92	.5	6.34	26	29.1	<.1	8.44	<.1	15.7	3.6	75	.10
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336370 NANCY CREEK TRIBUTARY AT LAKE FOREST DRIVE, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)
MAR													
21...	.02	.019	1.56	1.56d	<.020	.031	.010	.06	1.60	180	290	6520	25.4
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	.02	.015	1.70	1.70d	<.100	.107	.035	.01	1.94	3200	231	>24200k	28.3
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)
MAR													
21...	160	50	<50	<100	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	6.1	1.1
21...	--	--	9	40.4	9	<.04	<.8	1.0	.14	.55	<.2	--	--
MAY													
16...	--	--	--	--	--	--	--	--	--	--	--	11	1.0
JUL													
18...	160	60	<50	<100	--	--	--	--	--	--	--	--	--
18...	--	--	7	36.3	3	<.04	<.8	.8	.14	.50	<.20	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	6.0	490	2	.5	62	21	37	3.5	56	28	1300	<.01	6
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
16...	18	600	3	.9	160	23	59	6.9	95	53	1600	.27	10
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336370 NANCY CREEK TRIBUTARY AT LAKE FOREST DRIVE, AT ATLANTA, GA—continued.

Date	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	37	M	<1	73	<100	.560	75	320	<100	6	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
16...	91	1	<.5	78	<50	.550	120	300	<50	7	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	<50	8.1	M
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	M	540	2	M	58	19	42	4.7	59	44	980	.07	<1
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1
MAY													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	29	.5	<.5	55	.850	100	170	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1

02336370 NANCY CREEK TRIBUTARY AT LAKE FOREST DRIVE, AT ATLANTA, GA—continued.

Date	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2
MAY													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	E.1	<2

Date	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<2	<1	<.5	E.1	<.5	<1	<.5	<.5	<2	<1	M	<.5	<5
MAY													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<2	<1	<.5	E.1	M	<1	<.5	<.5	<2	<1	E.2	<.5	<5

Date	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<1	<.5	<1	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
MAY													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<1	<.5	<1	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5

02336370 NANCY CREEK TRIBUTARY AT LAKE FOREST DRIVE, AT ATLANTA, GA—continued.

Date	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributylphosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<.5	<.5	M	<2	<.5	E.1	<.5	M	<.5	<.5	<.5	<1	<.5
MAY													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<.5	<.5	M	<2	<.5	E.3	<.5	M	M	<.5	<.5	<1	<.5

Date	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloroi-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
MAR							
21...	--	--	--	--	--	3070	10
21...	--	--	--	--	--	3070	10
21...	<.5	<.5	<.5	<.5	<1.00	3070	10
MAY							
16...	--	--	--	--	--	3070	10
JUL							
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	70
28...	<.5	<.5	E.1	<.5	<1.00	3070	70

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range

APALACHICOLA RIVER BASIN
2003 Water Year

02336378 NANCY CREEK TRIBUTARY AT TUXEDO ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°51'19", long 84°23'44" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130001, at culvert on Tuxedo Road, 0.9 miles upstream of Nancy Creek, and 0.7 miles west of US 19 and GA 9.

DRAINAGE AREA.—1.24 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 28, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)
MAR													
21...	1024	81345	11	739	10.3	103	7.0	143	14.0	16.5	44	8	12.6
21...	1025	81350	--	--	--	--	--	--	--	--	--	--	--
21...	1026	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	0930	81345	2.9	740	5.1	58	7.3	139	21.5	27.0	46	10	13.1
18...	0931	80020	--	--	--	--	--	--	--	--	--	--	--
18...	0932	81350	--	--	--	--	--	--	--	--	--	--	--
28...	0930	80020	2.8	746	8.4	96	7.3	147	22.0	26.0	--	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)
MAR													
21...	2.94	2.55	.4	6.06	22	35.5	.1	9.56	<.02	14.9	13.7	88	.12
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	3.30	2.93	.5	7.78	25	36.6	<.1	11.4	.1	20.5	8.5	94	.13
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336378 NANCY CREEK TRIBUTARY AT TUXEDO ROAD, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)
MAR													
21...	.00	.000	1.02	1.02d	<.020	.003	.001	.10	1.11	520	530	7220	26.5
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	.01	.004	.90	.900d	<.100	.199	.065	.01	.97	370	400	32600	31.0
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)
MAR													
21...	<100	60	<50	<100	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	8.4	2.3
21...	--	--	8	15.6	8	<.04	<.8	2.3	.12	.64	<.2	--	--
JUL													
18...	<100	60	<50	<100	--	--	--	--	--	--	--	--	--
18...	--	--	3	11.0	3	E.03n	<.8	1.5	.08	.66	<.20	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	11	480	3	.5	110	15	68	4.2	67	35	520	<.01	11
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	65	M	<1	160	<100	.420	93	360	<100	7	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	<50	8.0	M
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336378 NANCY CREEK TRIBUTARY AT TUXEDO ROAD, AT ATLANTA, GA—continued.

Date	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	M	510	2	M	60	18	55	3.7	52	28	1300	.02	1
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	25	.5	<.5	60	.630	89	200	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1

Date	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1	<.5	<.5	<.5	<2

Date	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<2	<1	<.5	M	<.5	<1	<.5	<.5	<2	<1	E.1	M	<5
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<2	<1	<.5	E.1	M	<1	<.5	<.5	<2	<1	E.1	<.5	E2

02336378 NANCY CREEK TRIBUTARY AT TUXEDO ROAD, AT ATLANTA, GA—continued.

Date	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limo-nene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<1	<.5	<1	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<1	<.5	<1	M	<.5	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5

Date	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<.5	<.5	M	<2	<.5	.7	<.5	M	<.5	<.5	<.5	<1	<.5
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<.5	<.5	M	<2	<.5	E.3	<.5	M	<.5	E.5	<.5	<1	<.5

Date	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
MAR							
21...	--	--	--	--	--	3070	10
21...	--	--	--	--	--	3070	10
21...	M	E.2	<.5	<.5	<1.00	3070	10
JUL							
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	70
28...	<.5	<.5	<.5	E.1	<1.00	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
n -- Below the NDV

APALACHICOLA RIVER BASIN
2003 Water Year

02336405 NANCY CREEK TRIBUTARY AT WOOD VALLEY ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°50'53", long 84°24'52" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130001, at culvert on Wood Valley Road, 1.1 miles upstream of Nancy Creek, and 0.9 miles east of Interstate 75.

DRAINAGE AREA.—0.13 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 28, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)
MAR													
21...	1159	81345	8.0	734	8.9	93	6.9	116	15.5	--	30	5	7.90
21...	1200	81350	--	--	--	--	--	--	--	--	--	--	--
21...	1201	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	1025	81345	3.5	740	5.2	57	7.0	115	20.0	27.0	32	6	8.24
18...	1026	80020	--	--	--	--	--	--	--	--	--	--	--
18...	1027	81350	--	--	--	--	--	--	--	--	--	--	--
28...	0930	80020	2.2	746	8.6	95	7.2	120	20.0	27.0	--	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)
MAR													
21...	2.40	2.65	.5	6.46	30	24.6	<.02	9.11	<.02	17.2	9.2	77	.10
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	2.80	2.77	.6	7.65	32	26.3	<.1	10.0	.1	22.7	5.9	83	.11
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336405 NANCY CREEK TRIBUTARY AT WOOD VALLEY ROAD, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)
MAR													
21...	.04	.033	1.54	1.54d	<.020	.025	.008	.04	1.62	4500	3930	24800	28.7
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...		.003	1.46	1.46d	<.100	.187	.061	.01	1.65	570	154	12400	34.3
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)
MAR													
21...	<100	50	<50	<100	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	9.1	1.1
21...	--	--	13	20.4	5	<.04	<.8	1.9	.10	.63	<.2	--	--
JUL													
18...	<100	60	<50	<100	--	--	--	--	--	--	--	--	--
18...	--	--	2	14.7	3	<.04	<.8	.8	<.08	.64	<.20	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	14	490	5	1.7	160	52	110	4.7	66	38	2500	<.01	15
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	120	2	2	100	<250	.500	93	570	<250	3	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	<50	5.8	M
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336405 NANCY CREEK TRIBUTARY AT WOOD VALLEY ROAD, AT ATLANTA, GA—continued.

Date	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	M	350	2	M	48	14	26	2.9	39	22	860	<.01	<1
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	22	.4	<.5	43	.670	58	110	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1

Date	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<5	<1	<1	<5	<1	<2	<.5	<.5	M	<.5	<.5	M	<2
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	E.1	<2	

Date	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<2	<1	<.5	.8	.5	<1	<.5	<.5	<2	<1	E.1	<.5	<5
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<2	<1	<.5	E.1	M	<1	<.5	<.5	<2	<1	E.2	<.5	<5

02336405 NANCY CREEK TRIBUTARY AT WOOD VALLEY ROAD, AT ATLANTA, GA—continued.

Date	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limo-nene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<1	E.1	<1	<.5	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5

Date	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	<.5	<.5	M	<2	<.5	E.3	<.5	<.5	<.5	<.5	<.5	<1	<.5
JUL													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	<.5	<.5	M	<2	<.5	E.3	<.5	<.5	<.5	<.5	<.5	<1	<.5

Date	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
MAR							
21...	--	--	--	--	--	3070	10
21...	--	--	--	--	--	3070	10
21...	<.5	E.2	<.5	<.5	<1.00	3070	10
JUL							
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	10
18...	--	--	--	--	--	3070	70
28...	<.5	4.6	<.5	<.5	<1.00	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded

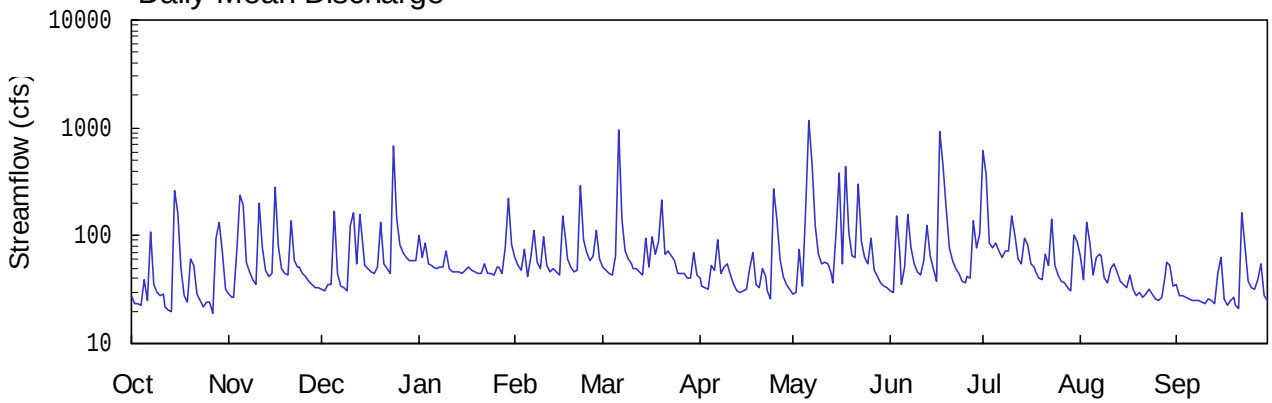
2003 Water Year

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA

Latitude: 33°50'18" Longitude: 084°26'22" Hydrologic Unit Code: 03130001 Fulton County

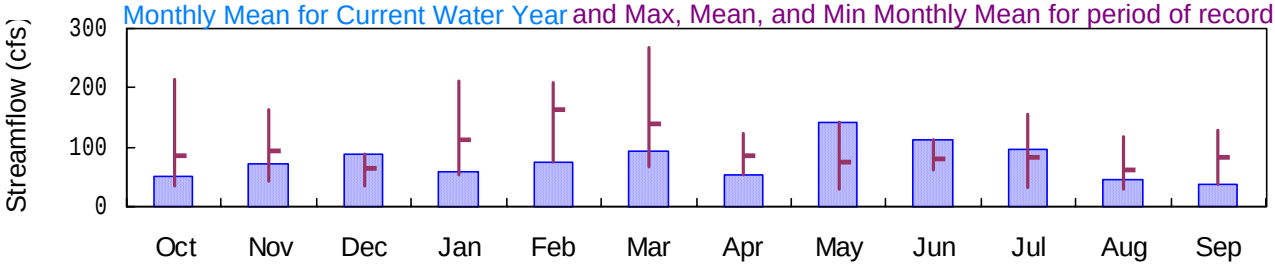
Drainage Area: 37.7 mi^2 Datum: 773.8 feet

Daily Mean Discharge

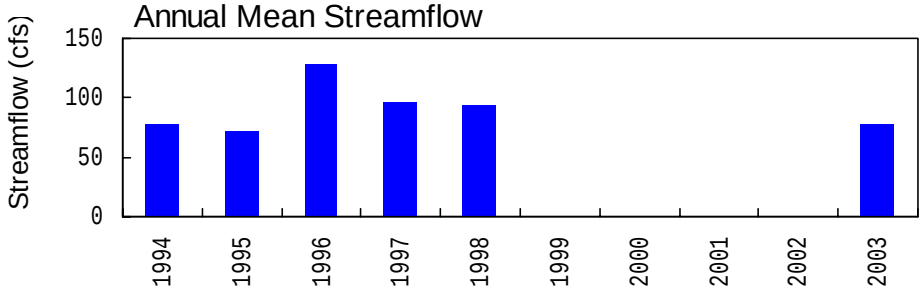


Monthly Statistics

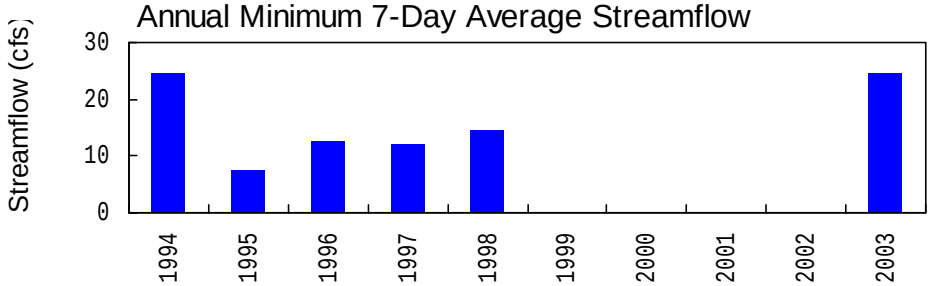
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



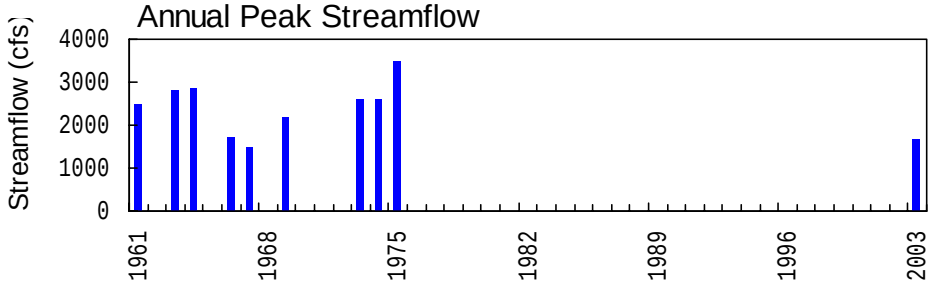
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2003 Water Year

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°50'18", long 84°26'22" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130001, on downstream left bank of bridge on West Wesley Road, 0.6 miles upstream from confluence with Peachtree Creek, 1.3 miles upstream from confluence of Peachtree Creek and the Chattahoochee River, and 0.6 miles west of Interstate 75.

DRAINAGE AREA.—37.7 square miles.

COOPERATION.—City of Atlanta.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—February 1961 to October 1995 (peak streamflow only), August 1994 to January 1998; October 1, 2002 to September 30, 2003.

GAGE.—Satellite telemetry with water-stage recorder and continuous water-quality monitor. Datum of gage is 773.83 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good, except for periods of estimated discharges, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 1994 to January 1998; October 1, 2002 to September 30, 2003**.**

GAGE.—Satellite telemetry with water-stage recorder and continuous water-quality monitor. Datum of gage is 773.83 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage height recorded, 14.90 feet, May 6; minimum gage height recorded, 1.95 feet, October 15.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 1, 2002 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70* DATUM

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	28	32	102	64	52	40	28	31	620	66	35
2	23	27	31	62	54	47	34	29	30	366	39	27
3	23	27	36	84	48	44	33	75	153	86	133	28
4	23	71	36	56	75	43	31	34	e69	76	84	27
5	39	236	166	52	42	64	53	173	e35	86	43	26
6	25	196	45	51	63	955	48	1170	e52	71	63	25
7	110	57	34	50	112	141	92	461	e160	64	68	25
8	35	46	33	51	57	71	44	125	e77	71	65	25
9	29	39	30	52	49	60	51	66	e54	72	41	24
10	28	35	124	72	97	54	55	55	46	150	36	24
11	29	198	162	50	53	50	43	58	44	100	49	26
12	22	78	55	46	47	49	35	55	58	60	55	25
13	21	47	160	46	49	46	31	45	123	54	46	24
14	20	42	78	47	46	43	30	37	64	95	38	45
15	261	45	53	44	43	93	30	106	50	84	35	63
16	164	282	50	47	153	52	32	376	38	56	33	26
17	50	80	47	51	86	98	49	55	919	52	43	22
18	28	50	45	48	60	68	71	443	459	46	31	25
19	24	44	52	46	52	88	35	109	180	41	28	27
20	60	43	133	44	47	217	33	66	77	38	29	23
21	53	137	56	45	48	67	50	62	58	68	26	21
22	28	59	50	55	292	72	41	297	50	54	29	165
23	25	52	45	45	92	65	31	88	45	142	32	81
24	22	52	683	44	69	58	26	63	38	53	29	38
25	25	45	146	44	59	45	271	55	36	43	26	32
26	24	41	82	50	65	44	143	95	42	38	25	32
27	19	38	68	50	111	45	62	47	41	37	27	38
28	94	35	63	44	61	40	42	42	136	33	41	56
29	132	33	59	78	---	41	35	36	78	30	56	28
30	69	32	58	220	---	71	32	35	106	102	53	25
31	32	---	59	81	---	43	---	33	---	88	34	---
TOTAL	1565	2195	2771	1857	2094	2926	1603	4419	3349	2976	1403	1088
MEAN	50.5	73.2	89.4	59.9	74.8	94.4	53.4	143	112	96.0	45.3	36.3
MAX	261	282	683	220	292	955	271	1170	919	620	133	165
MIN	19	27	30	44	42	40	26	28	30	30	25	21
CFSM	1.34	1.94	2.37	1.59	1.98	2.50	1.42	3.78	2.96	2.55	1.20	0.96
IN.	1.54	2.17	2.73	1.83	2.07	2.89	1.58	4.36	3.30	2.94	1.38	1.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2003, BY WATER YEAR (WY)

MEAN	85.8	93.7	64.9	114	163	140	86.8	75.9	80.7	83.7	62.1	83.5
MAX	214	163	89.4	213	208	269	123	143	112	154	117	129
(WY)	1996	1996	2003	1996	1997	1996	1997	2003	2003	1997	1996	1997
MIN	34.2	42.6	33.6	54.7	74.8	66.2	53.4	30.1	61.6	31.4	30.5	36.3
(WY)	1997	1995	1995	1995	2003	1997	2003	1995	1996	1996	1997	2003

SUMMARY STATISTICS	FOR 2003 WATER YEAR	
ANNUAL TOTAL	28246	
ANNUAL MEAN	77.4	
HIGHEST ANNUAL MEAN		
LOWEST ANNUAL MEAN		
HIGHEST DAILY MEAN	1170	May 6
LOWEST DAILY MEAN	19	Oct 27
ANNUAL SEVEN-DAY MINIMUM	25	Sep 7
MAXIMUM PEAK FLOW	1670	May 6
MAXIMUM PEAK STAGE	14.90	May 6
INSTANTANEOUS LOW FLOW	16	Oct 15
ANNUAL RUNOFF (CFSM)	2.05	
ANNUAL RUNOFF (INCHES)	27.87	
10 PERCENT EXCEEDS	136	
50 PERCENT EXCEEDS	50	
90 PERCENT EXCEEDS	27	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70* DATUM

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.13	2.25	2.30	2.84	2.52	2.39	2.27	2.13	2.16	7.14	2.52	2.21
2	2.06	2.23	2.28	2.50	2.42	2.35	2.21	2.14	2.15	4.96	2.25	2.12
3	2.06	2.23	2.34	2.69	2.36	2.31	2.19	2.59	3.20	2.72	3.00	2.12
4	2.05	2.69	2.34	2.44	2.61	2.30	2.17	2.20	---	2.64	2.69	2.11
5	2.25	3.84	3.37	2.40	2.29	2.47	2.40	3.30	---	2.71	2.30	2.10
6	2.09	3.61	2.44	2.39	2.47	10.0	2.35	11.67	---	2.58	2.50	2.09
7	2.86	2.57	2.32	2.37	2.90	3.14	2.76	5.78	---	2.52	2.50	2.08
8	2.21	2.45	2.30	2.39	2.45	2.59	2.31	3.00	---	2.57	2.51	2.08
9	2.14	2.38	2.27	2.39	2.37	2.48	2.39	2.54	---	2.59	2.28	2.07
10	2.12	2.33	3.00	2.59	2.79	2.42	2.43	2.43	2.33	3.15	2.22	2.07
11	2.13	3.59	3.35	2.37	2.41	2.37	2.30	2.45	2.31	2.81	2.35	2.09
12	2.04	2.76	2.55	2.33	2.34	2.37	2.21	2.43	2.45	2.48	2.43	2.09
13	2.02	2.47	3.30	2.33	2.36	2.33	2.16	2.32	2.99	2.42	2.33	2.06
14	2.01	2.41	2.76	2.34	2.33	2.30	2.15	2.23	2.52	2.76	2.25	2.28
15	3.99	2.43	2.52	2.31	2.30	2.75	2.16	2.83	2.37	2.68	2.21	2.47
16	3.33	4.17	2.50	2.34	3.17	2.40	2.17	5.08	2.25	2.44	2.19	2.10
17	2.47	2.77	2.46	2.38	2.71	2.76	2.33	2.43	9.55	2.39	2.30	2.05
18	2.25	2.49	2.44	2.35	2.48	2.55	2.54	5.52	5.65	2.34	2.17	2.08
19	2.19	2.43	2.51	2.33	2.40	2.72	2.22	2.89	3.43	2.27	2.12	2.10
20	2.49	2.42	3.13	2.32	2.34	3.70	2.19	2.54	2.64	2.25	2.14	2.05
21	2.51	3.16	2.56	2.32	2.35	2.55	2.37	2.50	2.46	2.52	2.10	2.02
22	2.25	2.59	2.50	2.43	4.29	2.59	2.28	4.33	2.37	2.40	2.13	3.20
23	2.21	2.52	2.44	2.32	2.76	2.53	2.16	2.73	2.32	3.12	2.17	2.63
24	2.16	2.52	7.73	2.31	2.57	2.46	2.10	2.51	2.25	2.41	2.14	2.22
25	2.20	2.44	3.16	2.31	2.47	2.32	4.09	2.43	2.22	2.30	2.10	2.16
26	2.19	2.40	2.69	2.38	2.52	2.31	3.14	2.76	2.29	2.24	2.08	2.15
27	2.12	2.36	2.56	2.38	2.91	2.32	2.50	2.35	2.28	2.23	2.10	2.21
28	2.71	2.33	2.51	2.31	2.49	2.27	2.29	2.28	3.06	2.19	2.28	2.40
29	3.12	2.30	2.47	2.61	---	2.27	2.21	2.23	2.63	2.15	2.40	2.11
30	2.65	2.30	2.47	3.69	---	2.57	2.17	2.21	2.81	2.79	2.40	2.07
31	2.30	---	2.47	2.68	---	2.30	---	2.19	---	2.69	2.20	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70* DATUM

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.00	0.00	0.16	0.00	0.01	0.00	0.00	0.00	2.51	0.00	0.00
2	---	0.00	0.00	0.19	0.00	0.00	0.00	0.21	0.00	0.01	0.00	0.00
3	---	0.33	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.00	0.90	0.00
4	---	0.00	0.12	0.00	---	0.03	0.00	0.00	---	0.31	0.01	0.01
5	0.01	2.04	0.99	0.00	0.00	1.48	0.36	2.81	---	0.03	0.02	0.00
6	0.51	0.00	0.00	0.00	0.79	1.45	0.26	1.78	---	0.00	0.01	0.00
7	0.21	0.00	0.00	0.00	0.04	0.00	0.39	0.53	---	0.00	0.01	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.01	---	0.30	0.00	0.00
9	0.00	0.00	0.00	0.04	0.09	0.00	0.26	0.00	---	0.00	0.06	0.00
10	0.00	0.70	1.44	0.05	0.29	0.00	0.06	0.00	0.00	2.27	0.00	0.00
11	0.00	0.31	---	0.00	0.00	0.00	0.00	0.29	0.11	0.01	0.00	0.00
12	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.02	0.00
13	0.08	---	---	0.00	---	0.00	0.00	0.00	0.42	0.27	0.18	0.00
14	0.00	0.00	0.00	0.00	---	0.00	0.00	0.02	0.00	0.04	0.01	0.64
15	2.75	0.60	0.00	0.00	0.00	0.50	0.00	0.53	0.08	0.01	0.00	0.01
16	0.02	1.01	0.00	0.09	1.15	0.00	0.00	1.93	0.05	0.02	0.00	0.00
17	0.00	0.00	0.02	0.00	0.00	0.53	0.46	0.06	1.39	0.01	0.00	0.00
18	0.04	0.00	0.01	0.00	0.00	0.01	0.00	1.39	1.1	0.00	0.00	0.00
19	0.00	0.01	0.70	0.00	0.00	0.38	0.00	0.07	0.03	0.17	0.00	0.00
20	0.41	0.50	0.01	0.00	0.00	0.43	0.00	0.00	0.00	0.01	0.00	0.00
21	0.01	0.26	0.00	0.12	0.08	0.00	0.12	0.19	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.15	1.65	0.00	0.00	0.89	0.00	0.35	0.15	---
23	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.01	---
24	---	0.00	2.71	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.01	---
25	---	0.00	0.02	0.00	0.00	0.00	2.14	0.02	0.00	0.00	0.00	---
26	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.31
28	1.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.10	0.00
29	0.07	0.01	0.00	0.70	---	0.02	0.00	0.00	---	0.00	0.01	0.00
30	0.00	0.00	0.00	0.72	---	0.28	0.00	0.00	---	0.68	0.00	0.00
31	0.04	---	0.10	0.01	---	0.00	---	0.00	---	0.38	0.06	---
TOTAL	---	---	---	2.23	---	5.12	4.25	10.73	---	8.17	1.56	---

APALACHICOLA RIVER BASIN
2003 Water Year

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA

LOCATION.—Lat. 33°50'18", Long. 84°26'22" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130001, on downstream left bank of bridge on West Wesley Road, 0.6 miles upstream from confluence with Peachtree Creek, 1.3 miles upstream from confluence of Peachtree Creek and the Chattahoochee River, and 0.6 miles west of Interstate 75.

DRAINAGE AREA.—37.7 square miles.

COOPERATION.—City of Atlanta.

PERIOD OF RECORD.—August 19, 1976; January 26, 2000 to December 11, 2000; April 8, 2003 to September 30, 2003.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: April 8, 2003 to September 30, 2003.
pH: April 8, 2003 to September 30, 2003.
WATER TEMPERATURE: April 8, 2003 to September 30, 2003.
DISSOLVED OXYGEN: April 8, 2003 to September 30, 2003.
TURBIDITY: April 8, 2003 to September 30, 2003.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good, except for specific conductance, turbidity, dissolved oxygen, and pH which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 190 microsiemens, August 28, 2003; minimum recorded, 35 microsiemens, June 17, 2003.
pH: Maximum recorded, 7.5 units, May 1, 2, 13, 2003; minimum recorded, 6.3 units, June 17, 2003.
WATER TEMPERATURE: Maximum recorded, 29.2°C, June 9, 2003; minimum recorded, 5.9°C, April 25, 2003.
DISSOLVED OXYGEN: Maximum recorded, 10.5 mg/L, April 11, 2003; minimum recorded, 5.3 mg/L, August 29, 2003.
TURBIDITY: Maximum recorded, 1,300 NTU, June 17, 2003; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	168	138	147
2	---	---	---	---	---	---	---	---	---	150	113	125
3	---	---	---	---	---	---	---	---	---	123	73	87
4	---	---	---	---	---	---	---	---	---	105	91	100
5	---	---	---	---	---	---	---	---	---	112	46	91
6	---	---	---	---	---	---	---	---	---	70	39	50
7	---	---	---	---	---	---	---	---	---	95	53	81
8	---	---	---	---	---	---	---	---	---	91	72	83
9	---	---	---	---	---	---	118	111	114	116	91	100
10	---	---	---	---	---	---	115	107	110	118	108	112
11	---	---	---	---	---	---	112	108	110	124	103	111
12	---	---	---	---	---	---	119	112	116	120	105	109
13	---	---	---	---	---	---	122	118	121	119	107	113
14	---	---	---	---	---	---	124	122	122	123	118	122
15	---	---	---	---	---	---	126	123	124	123	58	94
16	---	---	---	---	---	---	127	124	125	94	40	74
17	---	---	---	---	---	---	133	113	125	111	94	103
18	---	---	---	---	---	---	119	74	86	108	37	61
19	---	---	---	---	---	---	109	97	105	93	64	81
20	---	---	---	---	---	---	111	107	108	101	93	97
21	---	---	---	---	---	---	114	98	110	107	101	104
22	---	---	---	---	---	---	113	95	103	104	52	77
23	---	---	---	---	---	---	119	104	114	105	79	95
24	---	---	---	---	---	---	124	118	121	113	105	110
25	---	---	---	---	---	---	120	44	66	117	113	115
26	---	---	---	---	---	---	83	50	69	116	79	88
27	---	---	---	---	---	---	91	82	87	---	---	---
28	---	---	---	---	---	---	148	90	108	123	110	117
29	---	---	---	---	---	---	149	120	132	128	119	124
30	---	---	---	---	---	---	165	125	136	127	124	126
31	---	---	---	---	---	---	---	---	---	129	126	127
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	74	39	57	94	66	80	107	103	104
2	132	129	130	96	53	80	108	94	103	108	102	105
3	131	61	78	102	96	99	110	49	82	111	105	108
4	---	---	---	105	94	102	85	60	75	119	110	112
5	---	---	---	106	89	100	105	85	96	115	114	115
6	---	---	---	100	84	94	108	82	95	119	113	116
7	---	---	---	104	100	101	106	73	100	118	114	116
8	---	---	---	107	76	102	95	62	78	117	116	117
9	---	---	---	104	85	95	110	95	103	118	115	117
10	---	---	---	111	46	93	115	109	112	119	115	117
11	110	97	107	97	71	84	113	101	107	115	114	115
12	113	97	107	107	97	103	105	93	99	114	110	112
13	100	59	75	112	99	110	115	102	109	115	111	113
14	92	60	78	113	52	104	119	114	115	115	77	107
15	104	91	97	98	56	81	119	116	117	97	70	81
16	113	102	108	106	98	103	120	117	119	103	85	96
17	112	35	57	112	106	109	119	106	113	110	103	107
18	83	41	66	116	112	113	116	106	111	112	109	111
19	93	71	80	120	113	117	119	115	116	113	107	110
20	103	86	96	123	119	121	121	118	119	115	107	111
21	108	102	105	123	75	91	124	119	121	115	112	114
22	111	106	109	116	83	102	123	110	120	113	41	92
23	110	108	109	89	55	67	123	116	119	82	47	67
24	119	109	114	96	70	86	118	113	115	92	82	88
25	124	118	122	105	96	102	118	112	115	98	92	95
26	124	120	122	112	105	110	125	117	118	105	97	100
27	121	118	120	113	112	112	186	116	120	110	86	103
28	123	39	102	117	111	115	190	108	124	89	71	82
29	94	64	81	120	116	118	181	96	118	98	86	93
30	107	57	91	121	67	91	120	62	85	100	98	99
31	---	---	---	92	66	80	103	94	100	---	---	---
MONTH	---	---	---	123	39	98	190	49	107	119	41	104

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
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21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	7.5	7.4	7.5
2	---	---	---	---	---	---	---	---	---	7.5	6.9	7.3
3	---	---	---	---	---	---	---	---	---	7.1	6.8	6.9
4	---	---	---	---	---	---	---	---	---	7.1	7.0	7.1
5	---	---	---	---	---	---	---	---	---	7.1	6.6	7.0
6	---	---	---	---	---	---	---	---	---	6.7	6.4	6.6
7	---	---	---	---	---	---	---	---	---	6.9	6.4	6.7
8	---	---	---	---	---	---	---	---	---	6.9	6.8	6.9
9	---	---	---	---	---	---	7.3	7.2	7.2	7.1	6.9	7.0
10	---	---	---	---	---	---	7.3	7.1	7.2	7.2	7.0	7.0
11	---	---	---	---	---	---	7.2	7.1	7.2	7.3	7.0	7.1
12	---	---	---	---	---	---	7.2	7.1	7.2	7.3	7.1	7.1
13	---	---	---	---	---	---	7.3	7.1	7.2	7.5	7.1	7.2
14	---	---	---	---	---	---	7.3	7.1	7.2	7.4	7.0	7.1
15	---	---	---	---	---	---	7.3	7.2	7.2	7.1	6.8	7.0
16	---	---	---	---	---	---	7.3	7.2	7.2	6.9	6.6	6.8
17	---	---	---	---	---	---	7.3	6.9	7.2	7.0	6.9	6.9
18	---	---	---	---	---	---	7.0	6.7	6.9	7.0	6.6	6.7
19	---	---	---	---	---	---	7.1	7.0	7.1	6.9	6.7	6.8
20	---	---	---	---	---	---	7.1	7.1	7.1	7.0	6.9	6.9
21	---	---	---	---	---	---	7.1	6.9	7.1	7.0	6.9	6.9
22	---	---	---	---	---	---	7.1	6.9	7.0	6.9	6.6	6.7
23	---	---	---	---	---	---	7.2	7.0	7.2	6.8	6.7	6.8
24	---	---	---	---	---	---	7.2	7.1	7.2	6.9	6.8	6.9
25	---	---	---	---	---	---	7.2	6.6	6.8	7.0	6.9	6.9
26	---	---	---	---	---	---	7.0	6.7	6.8	7.0	6.6	6.8
27	---	---	---	---	---	---	7.0	6.8	7.0	---	---	---
28	---	---	---	---	---	---	7.1	6.8	7.0	7.0	6.8	6.9
29	---	---	---	---	---	---	7.2	7.0	7.1	7.0	6.9	7.0
30	---	---	---	---	---	---	7.4	7.1	7.1	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	6.8	6.4	6.7	6.9	6.7	6.8	7.1	7.0	7.1
2	7.3	7.2	7.2	6.6	6.4	6.6	7.0	6.9	7.0	7.1	7.0	7.1
3	7.2	6.7	6.8	6.7	6.6	6.6	7.0	6.5	6.9	7.2	7.0	7.1
4	---	---	---	6.8	6.6	6.7	6.9	6.7	6.8	7.2	7.1	7.1
5	---	---	---	6.8	6.7	6.7	7.0	6.8	7.0	7.2	7.1	7.1
6	---	---	---	6.8	6.6	6.7	7.0	6.8	6.9	7.2	7.1	7.1
7	---	---	---	6.9	6.8	6.8	7.0	6.7	7.0	7.2	7.1	7.2
8	---	---	---	6.9	6.7	6.8	6.9	6.6	6.8	7.3	7.1	7.2
9	---	---	---	6.8	6.7	6.7	7.0	6.9	7.0	7.3	7.1	7.2
10	---	---	---	6.9	6.5	6.8	7.1	7.0	7.0	7.3	7.1	7.2
11	7.2	7.1	7.1	6.7	6.5	6.6	7.1	7.0	7.0	7.3	7.1	7.2
12	7.2	7.0	7.1	6.8	6.7	6.8	7.0	6.8	7.0	7.2	7.1	7.1
13	7.0	6.9	7.0	6.9	6.8	6.9	7.1	7.0	7.0	7.2	7.1	7.1
14	7.0	6.9	7.0	6.9	6.4	6.9	7.1	7.0	7.0	7.2	6.8	7.1
15	7.2	7.0	7.1	6.8	6.4	6.7	7.2	7.0	7.1	6.9	6.7	6.9
16	7.1	7.0	7.1	6.9	6.8	6.9	7.2	7.0	7.1	7.1	6.9	7.1
17	7.0	6.3	6.5	7.0	6.8	6.9	7.1	7.0	7.0	7.2	7.1	7.1
18	6.7	6.5	6.6	7.0	6.9	7.0	7.2	7.0	7.0	7.3	7.1	7.2
19	6.7	6.6	6.6	7.0	6.9	7.0	7.2	7.0	7.1	7.2	7.1	7.2
20	6.8	6.7	6.8	7.1	6.9	7.0	7.3	7.1	7.1	7.3	7.1	7.1
21	6.9	6.8	6.9	7.0	6.6	6.8	7.3	7.0	7.1	7.3	7.1	7.2
22	6.9	6.8	6.9	7.0	6.8	6.9	7.3	7.0	7.1	7.2	6.5	7.2
23	6.9	6.8	6.9	6.8	6.6	6.7	7.2	7.0	7.0	7.0	6.5	6.9
24	7.0	6.9	6.9	6.9	6.8	6.9	7.2	7.0	7.1	7.1	7.0	7.1
25	7.3	6.9	7.0	7.0	6.9	7.0	7.2	7.0	7.0	7.2	7.1	7.1
26	7.3	7.2	7.2	7.0	7.0	7.0	7.2	7.0	7.0	7.2	7.1	7.1
27	7.3	7.2	7.2	7.1	7.0	7.0	7.1	7.0	7.0	7.2	6.9	7.1
28	7.2	6.8	7.2	7.1	7.0	7.0	7.0	6.8	6.9	7.0	6.8	7.0
29	7.0	6.8	6.9	7.2	7.0	7.0	6.9	6.6	6.9	7.2	7.0	7.2
30	7.0	6.7	7.0	7.0	6.6	6.8	6.9	6.6	6.8	7.3	7.2	7.2
31	---	---	---	7.0	6.7	6.8	7.1	6.9	7.0	---	---	---
MAX	---	---	---	7.2	7.0	7.0	7.3	7.1	7.1	7.3	7.2	7.2
MIN	---	---	---	6.6	6.4	6.6	6.9	6.5	6.8	6.9	6.5	6.9

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	21.4	18.6	20.0
2	---	---	---	---	---	---	---	---	---	22.2	19.1	20.5
3	---	---	---	---	---	---	---	---	---	20.1	18.0	18.7
4	---	---	---	---	---	---	---	---	---	21.2	17.3	19.3
5	---	---	---	---	---	---	---	---	---	20.3	19.3	19.7
6	---	---	---	---	---	---	---	---	---	19.5	18.7	19.0
7	---	---	---	---	---	---	---	---	---	19.7	18.4	19.0
8	---	---	---	---	---	---	---	---	---	21.0	19.4	20.1
9	---	---	---	---	---	---	14.2	12.3	13.2	22.1	19.8	20.9
10	---	---	---	---	---	---	12.4	10.9	11.3	23.0	20.5	21.8
11	---	---	---	---	---	---	13.2	10.3	11.6	22.1	19.9	21.1
12	---	---	---	---	---	---	15.8	11.1	13.4	21.0	18.4	19.7
13	---	---	---	---	---	---	17.3	13.2	15.3	20.8	17.6	19.3
14	---	---	---	---	---	---	18.3	14.2	16.3	19.4	17.8	18.2
15	---	---	---	---	---	---	19.0	15.7	17.5	18.6	17.2	17.7
16	---	---	---	---	---	---	19.0	16.2	17.7	20.7	18.6	19.6
17	---	---	---	---	---	---	18.7	16.8	17.7	22.0	19.8	20.8
18	---	---	---	---	---	---	19.8	17.6	18.4	20.9	18.9	19.5
19	---	---	---	---	---	---	18.2	16.7	17.6	18.9	17.3	17.9
20	---	---	---	---	---	---	17.9	16.9	17.4	18.4	16.7	17.3
21	---	---	---	---	---	---	18.0	16.9	17.4	18.7	17.9	18.2
22	---	---	---	---	---	---	18.1	15.7	17.0	18.5	18.3	18.4
23	---	---	---	---	---	---	18.0	14.8	16.5	19.8	17.7	18.7
24	---	---	---	---	---	---	16.9	14.6	15.6	20.9	18.1	19.5
25	---	---	---	---	---	---	16.8	5.9	14.9	20.7	18.4	19.7
26	---	---	---	---	---	---	17.9	15.8	16.8	21.4	19.5	20.4
27	---	---	---	---	---	---	19.4	15.8	17.6	21.1	18.7	19.8
28	---	---	---	---	---	---	20.4	16.9	18.7	21.3	18.0	19.7
29	---	---	---	---	---	---	21.0	17.2	19.1	21.0	18.5	19.7
30	---	---	---	---	---	---	20.8	18.4	19.7	21.0	17.6	19.4
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	22.2	21.0	21.5	25.7	23.8	24.7	25.5	23.8	24.6
2	21.3	18.0	19.8	21.8	20.9	21.3	25.7	24.1	24.9	25.1	23.3	24.2
3	20.7	19.1	20.1	23.0	20.5	21.8	25.0	23.0	24.0	25.9	23.5	24.7
4	---	---	---	23.6	21.9	22.8	24.7	23.4	24.0	25.4	23.9	24.5
5	---	---	---	23.3	22.0	22.5	25.8	23.6	24.6	24.4	22.6	23.6
6	---	---	---	24.1	22.3	23.1	24.8	23.0	23.9	23.7	22.7	23.1
7	---	---	---	25.0	22.7	23.8	24.4	22.4	23.3	22.7	21.3	21.7
8	---	---	---	26.1	23.3	24.5	25.4	23.2	24.2	22.2	20.1	21.2
9	---	---	---	25.8	23.4	24.7	25.0	22.8	23.8	22.4	20.2	21.3
10	---	---	---	24.9	23.2	24.0	24.9	22.8	23.9	22.1	20.5	21.4
11	24.9	22.3	23.5	24.5	22.5	23.5	24.4	22.8	23.7	22.4	20.3	21.4
12	24.2	22.4	23.2	24.9	22.4	23.8	24.2	22.4	23.4	22.0	19.8	21.0
13	23.4	22.3	22.9	24.9	22.6	23.8	24.8	23.3	24.0	22.3	19.4	20.9
14	24.1	22.3	23.2	24.6	22.6	23.6	25.5	23.6	24.6	23.1	20.5	21.5
15	24.5	22.6	23.6	25.0	23.3	24.2	26.4	24.1	25.2	23.5	21.5	22.4
16	25.5	23.0	24.2	25.0	23.2	24.1	26.2	24.7	25.5	22.2	20.1	21.3
17	24.3	21.9	22.7	25.7	23.0	24.2	25.5	23.8	24.8	22.0	19.8	21.0
18	22.9	22.0	22.4	25.8	23.4	24.6	26.3	24.1	25.2	21.4	18.8	20.3
19	23.8	21.6	22.5	25.9	23.8	24.8	26.4	24.2	25.3	21.6	18.9	20.4
20	23.7	21.6	22.6	26.1	23.7	24.9	25.7	24.5	25.1	22.4	19.7	21.1
21	22.7	19.9	21.5	26.4	23.9	25.1	26.0	23.7	24.9	22.3	20.4	21.5
22	22.7	19.7	21.3	25.1	23.9	24.4	26.1	23.8	25.0	22.7	21.7	22.1
23	23.3	20.7	22.2	24.1	22.7	23.4	26.4	24.1	25.2	22.4	21.0	21.7
24	24.3	21.6	23.0	24.4	21.8	23.1	26.3	23.9	25.2	21.2	19.4	20.5
25	24.3	22.0	23.3	24.2	21.8	23.1	26.1	24.4	25.2	21.6	19.3	20.5
26	24.2	22.1	23.2	25.3	22.7	23.9	26.1	23.8	25.1	21.7	19.6	20.7
27	23.2	21.9	22.6	25.3	22.9	24.1	26.2	24.1	25.3	22.4	19.7	20.9
28	23.1	21.3	21.9	26.2	23.6	24.9	26.2	24.1	25.1	21.5	18.8	20.4
29	24.1	22.5	23.2	26.4	24.0	25.2	25.4	23.8	24.7	18.8	16.5	17.4
30	23.5	22.0	22.8	25.4	23.4	24.2	25.8	23.8	24.7	17.2	14.9	16.2
31	---	---	---	25.8	23.6	24.5	25.8	24.0	24.8	---	---	---
MONTH	---	---	---	26.4	20.5	23.8	26.4	22.4	24.6	25.9	14.9	21.4

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	7.9	6.9	7.5
4	---	---	---	---	---	---	---	---	---	8.3	7.3	7.9
5	---	---	---	---	---	---	---	---	---	8.1	7.2	7.6
6	---	---	---	---	---	---	---	---	---	8.4	7.3	7.8
7	---	---	---	---	---	---	---	---	---	7.9	7.1	7.6
8	---	---	---	---	---	---	---	---	---	7.9	7.4	7.6
9	---	---	---	---	---	---	---	---	---	8.1	7.5	7.8
10	---	---	---	---	---	---	---	---	---	8.0	7.4	7.7
11	---	---	---	---	---	---	10.5	---	---	7.9	7.5	7.7
12	---	---	---	---	---	---	9.9	8.6	9.4	8.5	7.6	8.1
13	---	---	---	---	---	---	9.7	8.4	9.0	8.6	7.8	8.1
14	---	---	---	---	---	---	9.5	8.2	8.8	8.7	7.8	8.4
15	---	---	---	---	---	---	9.2	8.0	8.5	8.6	8.0	8.3
16	---	---	---	---	---	---	9.2	7.9	8.4	8.7	7.7	8.0
17	---	---	---	---	---	---	9.0	7.0	8.3	8.2	7.7	7.9
18	---	---	---	---	---	---	7.8	6.8	7.5	8.4	7.7	8.0
19	---	---	---	---	---	---	8.7	7.8	8.3	8.6	7.9	8.4
20	---	---	---	---	---	---	8.7	8.2	8.4	9.0	8.6	8.9
21	---	---	---	---	---	---	8.6	7.8	8.2	8.9	8.6	8.7
22	---	---	---	---	---	---	8.7	8.0	8.3	8.8	8.1	8.5
23	---	---	---	---	---	---	9.0	8.1	8.6	8.7	8.1	8.4
24	---	---	---	---	---	---	---	---	---	8.8	8.3	8.5
25	---	---	---	---	---	---	---	---	---	8.8	8.2	8.5
26	---	---	---	---	---	---	---	---	---	8.2	7.7	8.0
27	---	---	---	---	---	---	---	---	---	8.7	---	---
28	---	---	---	---	---	---	---	---	---	8.8	8.0	8.3
29	---	---	---	---	---	---	---	---	---	8.8	8.1	8.5
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.5	---	---	8.4	7.4	8.0	5.9	5.4	5.7	6.7	6.1	6.4
2	9.7	8.5	9.1	7.9	7.0	7.4	6.7	5.6	5.8	6.9	6.1	6.5
3	8.7	7.8	8.0	8.1	7.3	7.7	6.2	5.5	5.8	6.7	6.1	6.3
4	---	---	---	8.0	7.4	7.8	6.1	5.7	5.9	6.9	6.1	6.4
5	---	---	---	8.1	7.5	7.9	6.2	5.8	5.9	7.0	6.1	6.5
6	---	---	---	8.0	7.6	7.8	6.1	5.6	5.9	7.1	6.1	6.6
7	---	---	---	8.2	7.5	7.8	6.4	5.4	6.1	7.3	6.5	6.9
8	---	---	---	8.2	7.0	7.7	6.1	5.4	5.8	7.5	6.8	7.1
9	---	---	---	7.8	7.0	7.4	6.4	5.9	6.1	7.5	6.7	7.1
10	---	---	---	8.3	7.2	7.7	6.4	6.0	6.2	7.5	6.7	7.0
11	7.9	7.0	7.5	7.8	7.2	7.6	6.5	6.1	6.2	7.5	6.7	7.0
12	8.6	7.1	7.6	8.1	7.5	7.8	6.4	5.9	6.2	7.6	6.8	7.1
13	7.7	7.1	7.5	8.1	7.4	7.8	6.5	6.1	6.2	7.6	6.8	7.1
14	8.0	7.5	7.7	8.1	6.9	7.7	6.6	6.0	6.2	---	---	---
15	8.1	7.4	7.7	7.7	6.9	7.4	6.6	5.9	6.2	---	---	---
16	8.1	7.4	7.7	8.0	7.4	7.7	6.6	5.9	6.2	8.2	7.0	7.7
17	7.8	6.7	7.3	8.0	7.4	7.7	6.7	5.8	6.2	8.4	7.6	7.9
18	8.0	7.1	7.5	7.9	7.2	7.5	6.7	5.9	6.2	8.5	7.7	8.0
19	7.9	6.8	7.4	7.8	6.7	7.3	7.0	5.9	6.3	8.4	7.6	8.0
20	7.9	7.2	7.6	7.7	7.0	7.3	7.1	6.0	6.4	8.2	7.2	7.7
21	8.5	7.6	8.1	7.1	6.2	6.7	7.3	6.0	6.5	7.9	6.9	7.4
22	8.6	7.8	8.2	8.2	6.8	7.3	7.2	5.5	6.4	---	---	---
23	8.6	7.8	8.1	7.8	7.3	7.5	7.0	5.6	6.3	---	---	---
24	8.5	7.6	8.1	7.8	7.3	7.5	7.1	5.8	6.3	---	---	---
25	8.6	7.7	8.1	7.7	7.0	7.4	7.2	5.8	6.3	---	---	---
26	8.6	7.8	8.1	---	---	---	7.3	6.0	6.4	---	---	---
27	8.5	7.8	8.1	---	---	---	7.1	5.8	6.4	---	---	---
28	8.2	7.0	7.8	---	---	---	6.4	5.4	5.8	---	---	---
29	7.8	6.3	7.4	---	---	---	6.5	5.3	6.0	---	---	---
30	8.2	7.4	7.8	---	---	---	6.4	5.6	6.1	---	---	---
31	---	---	---	---	---	---	6.6	6.0	6.2	---	---	---
MONTH	---	---	---	---	---	---	7.3	5.3	6.1	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	280	13	86
4	---	---	---	---	---	---	---	---	---	69	7.9	13
5	---	---	---	---	---	---	---	---	---	740	5.2	7.8
6	---	---	---	---	---	---	---	---	---	780	240	550
7	---	---	---	---	---	---	---	---	---	410	96	180
8	---	---	---	---	---	---	---	---	---	240	56	89
9	---	---	---	---	---	---	---	---	---	92	39	62
10	---	---	---	---	---	---	22	8.5	12	230	29	39
11	---	---	---	---	---	---	18	6.3	7.8	46	23	30
12	---	---	---	---	---	---	8.1	<5.0	6.1	41	16	23
13	---	---	---	---	---	---	8.4	<5.0	5.1	20	10	14
14	---	---	---	---	---	---	5.6	<5.0	<5.0	17	8.3	10
15	---	---	---	---	---	---	6.3	<5.0	<5.0	440	10	200
16	---	---	---	---	---	---	6.0	<5.0	<5.0	920	36	160
17	---	---	---	---	---	---	420	<5.0	5.4	69	18	26
18	---	---	---	---	---	---	420	29	76	840	69	320
19	---	---	---	---	---	---	29	13	18	230	52	78
20	---	---	---	---	---	---	35	9.8	12	55	---	---
21	---	---	---	---	---	---	100	8.5	23	63	33	41
22	---	---	---	---	---	---	43	12	22	500	63	260
23	---	---	---	---	---	---	19	7.2	8.8	110	26	42
24	---	---	---	---	---	---	8.9	<5.0	5.8	30	18	23
25	---	---	---	---	---	---	1100	8.2	250	56	15	18
26	---	---	---	---	---	---	490	---	---	290	37	110
27	---	---	---	---	---	---	---	---	---	37	17	---
28	---	---	---	---	---	---	---	---	---	20	13	16
29	---	---	---	---	---	---	---	---	---	21	9.6	14
30	---	---	---	---	---	---	---	---	---	13	6.9	10
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 335018 LONGITUDE 0842622 NAD27 DRAINAGE AREA 37.70 CONTRIBUTING DRAINAGE AREA 37.70 DATUM

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	610	130	310	190	14	28	10	<5.0	5.5
2	10	5.4	6.6	340	51	120	15	<5.0	7.9	11	<5.0	<5.0
3	580	6.5	180	51	27	31	760	<5.0	130	18	<5.0	<5.0
4	---	---	---	90	21	27	140	22	48	7.0	<5.0	<5.0
5	---	---	---	170	18	25	23	6.7	9.7	7.1	<5.0	<5.0
6	---	---	---	170	15	31	130	8.5	23	6.4	<5.0	<5.0
7	---	---	---	19	7.8	11	440	6.1	13	5.6	<5.0	<5.0
8	---	---	---	310	7.4	10	400	25	100	15	<5.0	<5.0
9	---	---	---	140	14	30	62	7.1	14	5.4	<5.0	<5.0
10	---	---	---	790	7.8	14	30	<5.0	6.5	7.0	<5.0	<5.0
11	26	8.6	14	240	27	50	120	5.1	11	7.4	<5.0	<5.0
12	180	11	17	31	10	15	200	19	84	6.8	<5.0	<5.0
13	360	64	160	33	6.1	8.9	36	8.3	14	16	<5.0	<5.0
14	190	24	43	660	10	17	12	<5.0	6.4	330	<5.0	<5.0
15	40	15	20	320	17	39	7.9	<5.0	5.0	280	26	60
16	33	9.4	12	19	8.2	11	16	<5.0	<5.0	26	<5.0	7.5
17	1300	33	430	14	5.3	7.5	47	11	18	9.4	<5.0	<5.0
18	1000	130	260	9.7	<5.0	5.5	26	<5.0	6.2	8.1	<5.0	<5.0
19	510	97	160	32	<5.0	6.0	7.2	<5.0	<5.0	13	<5.0	<5.0
20	130	54	70	10	<5.0	<5.0	6.0	<5.0	<5.0	10	<5.0	<5.0
21	230	37	46	240	<5.0	150	<5.0	<5.0	<5.0	6.5	<5.0	<5.0
22	46	30	35	160	9.5	27	110	<5.0	<5.0	860	<5.0	<5.0
23	31	18	23	390	64	170	17	<5.0	<5.0	640	32	86
24	29	14	18	96	14	24	5.1	<5.0	<5.0	32	10	14
25	22	7.3	12	19	6.5	9.4	<5.0	<5.0	<5.0	11	5.5	9.0
26	14	7.7	10	13	<5.0	6.2	<5.0	<5.0	<5.0	12	<5.0	6.6
27	20	6.7	9.8	9.0	<5.0	5.1	59	<5.0	<5.0	190	<5.0	5.7
28	980	9.6	37	12	<5.0	<5.0	130	14	22	210	15	38
29	370	32	56	6.8	<5.0	<5.0	320	6.8	12	16	6.0	9.7
30	510	15	28	280	<5.0	100	190	13	55	25	<5.0	5.0
31	---	---	---	320	13	44	13	<5.0	5.8	---	---	---
MAX	---	---	---	790	130	310	760	25	130	860	32	86
MIN	---	---	---	6.8	5.0	5.0	5.0	5.0	5.0	5.4	5.0	5.0

< Actual value is known to be less than the value shown

APALACHICOLA RIVER BASIN
2003 Water Year

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°50'18", long 84°26'22" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130001, on downstream left bank of bridge on West Wesley Road, 0.6 miles upstream of confluence with Peachtree Creek, 1.3 miles upstream of confluence of Peachtree Creek and the Chattahoochee River, and 0.6 miles west of Interstate 75.

DRAINAGE AREA.—37.7 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 19, 1976, January 26, 2000 to December 11, 2000, April 8, 2003 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analysis with analyzing code 81345 is by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Medium code	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)
JUL													
30-30	0736	0825	9	2.56	68	81345	95	--	--	7.2	104	24.0	33
JUL													
30-30	0737	0826	9	2.56	68	80020	95	--	--	7.2	104	24.0	--
JUL													
30-30	0906	0955	9	3.07	133	81345	160	--	--	7.2	99	23.5	32
JUL													
30-30	0907	0956	9	3.07	133	80020	160	--	--	7.2	99	23.5	--
30...	1030	--	9	3.23	155	81345	220	5.6	--	6.9	84	23.5	30
30...	1031	--	9	3.23	155	80020	220	5.6	--	6.9	84	23.5	--
30...	1035	--	9	3.25	157	81345	210	--	--	7.2	97	23.5	30
30...	1036	--	9	3.25	157	80020	210	--	--	7.2	97	23.5	--
JUL													
30-30	1036	1125	9	3.30	164	81345	210	--	--	7.2	86	23.5	28
JUL													
30-30	1037	1126	9	3.30	164	80020	210	--	--	7.2	86	23.5	--
JUL													
30-30	1206	1255	9	3.59	207	81345	300	--	--	7.1	79	23.5	26
JUL													
30-30	1207	1256	9	3.59	207	80020	300	--	--	7.1	79	23.5	--
JUL													
30-30	1336	1425	9	3.77	235	81345	300	--	--	7.0	82	24.0	26
JUL													
30-30	1337	1426	9	3.77	235	80020	300	--	--	7.0	82	24.0	--
JUL													
30-30	1506	1555	9	3.50	193	81345	230	--	--	7.0	77	24.0	21
JUL													
30-30	1507	1556	9	3.50	193	80020	230	--	--	7.0	77	24.0	--
AUG													
14...	1000	--	9	2.25	38	81345	6.4	7.1	84	7.2	112	24.0	34
14...	1001	--	9	2.25	38	80020	6.4	7.1	84	7.2	112	24.0	--
14...	1009	--	9	2.25	38	81345	6.1	7.1	84	7.2	112	24.0	34
14...	1010	--	9	2.25	38	80020	6.1	7.1	84	7.2	112	24.0	--

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	Noncarb hard-ness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alka-linity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
JUL													
30-30	7	9.63	2.12	2.75	.4	4.72	22	25.4	<.1	5.56	.1	11.9	8.2
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
30-30	7	9.27	2.06	2.85	.4	4.67	22	25.1	<.1	5.44	.1	12.0	7.8
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	6	8.88	1.96	2.97	.3	4.42	22	24.0	<.1	5.52	.1	11.1	7.8
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	7	8.90	1.95	3.01	.3	4.36	22	22.8	<.1	5.14	.1	10.9	7.6
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
30-30	6	8.28	1.80	2.97	.3	4.15	22	22.0	<.1	4.74	.1	10.2	7.2
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
30-30	7	7.80	1.66	2.98	.3	3.30	19	19.6	<.1	3.84	.1	8.99	6.5
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
30-30	6	7.88	1.58	2.96	.3	3.73	21	19.9	<.1	4.07	.1	9.30	6.9
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
30-30	4	6.41	1.23	2.45	.3	3.12	22	17.4	<.1	3.53	.1	7.52	7.6
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	5	9.69	2.35	2.52	.4	5.68	25	29.3	<.1	6.06	.1	14.2	10.0
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	4	9.72	2.25	2.50	.4	5.62	25	29.1	<.1	6.06	.1	13.8	10.0
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)
JUL													
30-30	63	.09	.10	.080	.68	.680d	<.100	.058	.019	.01	.99	15000	100000k
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
30-30	63	.09	.07	.052	.69	.690d	<.100	.184	.060	.01	.96	7600	52000
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	61	.08	.01	.004	.71	.710d	<.100	.227	.074	.02	1.05	7100	41000
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	59	.08	.05	.035	.70	.700d	<.100	.015	.005	.01	1.02	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
30-30	56	.08	.02	.019	.68	.680d	<.100	.052	.017	.01	.96	4700	46000
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	46000
JUL													
30-30	50	.07	.00	.000	.63	.630d	<.100	.163	.053	.01	1.02	--	--
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
30-30	51	.07	.10	.080	.57	.570d	<.100	.092	.030	.01	1.02	--	--
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
30-30	45	.06	.03	.022	.58	.580d	<.100	.003	.001	.01	.80	--	--
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	71	.10	.13	.098	.59	.590d	<.100	.015	.005	<.01	1.00	380	429
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	70	.10	.03	.026	.59	.590d	<.100	--	<.052	M	.86	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)
JUL													
30-30	>242000k	21.0	<100	50	<50	<100	--	--	--	--	--	--	--
JUL													
30-30	--	--	--	--	9	69.9	12	E.03n	<.8	4.0	E.07n	.96	<.20
JUL													
30-30	>242000k	20.8	<100	50	<50	<100	--	--	--	--	--	--	--
JUL													
30-30	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	>242000k	20.5	<100	50	<50	<100	--	--	--	--	--	--	--
30...	--	--	--	--	8	7.0	3	<.04	<.8	3.6	.13	.56	<.20
30...	--	21.0	<100	50	<50	<100	--	--	--	--	--	--	--
30...	--	--	--	--	6	10.0	4	<.04	<.8	3.8	.10	.70	<.20
JUL													
30-30	155000	20.1	<100	40	<50	<100	--	--	--	--	--	--	--
JUL													
30-30	--	--	--	--	6	10.6	4	<.04	<.8	3.4	E.06n	.74	<.20
JUL													
30-30	--	19.3	<100	40	<50	<100	--	--	--	--	--	--	--
JUL													
30-30	--	--	--	--	9	5.6	12	<.04	E.5n	3.0	.09	.82	<.20
JUL													
30-30	--	19.6	<100	40	<50	<100	--	--	--	--	--	--	--
JUL													
30-30	--	--	--	--	8	1.5	4	<.04	<.8	2.8	.09	.72	<.20
JUL													
30-30	--	16.0	<100	30	<50	<100	--	--	--	--	--	--	--
JUL													
30-30	--	--	--	--	6	1.3	4	<.04	E.7n	2.6	E.07n	.74	<.20
AUG													
14...	15100	21.6	<100	50	<50	<100	--	--	--	--	--	--	--
14...	--	--	--	--	4	53.2	2	E.03n	<.8	1.2	<.08	.67	<.20
14...	--	20.9	<100	50	<50	<100	--	--	--	--	--	--	--
14...	--	--	--	--	4	49.5	3	<.04	<.8	1.1	<.08	.76	<.20

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	Sampler type, code (84164)	Sampling method, code (82398)
JUL		
30-30	4115	50
JUL		
30-30	4115	50
JUL		
30-30	4115	50
JUL		
30-30	4115	50
30...	3052	10
30...	3052	10
30...	3052	70
30...	3052	70
JUL		
30-30	4115	50
JUL		
30-30	4115	50
JUL		
30-30	4115	50
JUL		
30-30	4115	50
JUL		
30-30	4115	50
JUL		
30-30	4115	50
JUL		
30-30	4115	50
AUG		
14...	3044	10
14...	3044	10
14...	3070	70
14...	3070	70

Date	Time	Ending time	Medium code	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Aluminum, suspnd sedimnt total, percent (30221)	Antimony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryllium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)
JUL													
30...	1035	--	1	3.25	157	81350	210	7.5	2.1	7.5	490	2	.3
JUL													
30-30	1036	1125	1	3.30	164	81350	210	8.8	1.7	8.3	520	2	.3
30...	1037	--	1	3.23	155	81350	220	7.9	2.6	14	510	2	.4
JUL													
30-30	1206	1255	1	3.59	207	81350	300	8.1	2.4	10	510	2	.2
JUL													
30-30	1336	1425	1	3.77	235	81350	300	8.1	2.1	10	530	2	.2
JUL													
30-30	1506	1555	1	3.50	193	81350	230	8.2	2.6	11	520	2	.3
AUG													
14...	0930	--	1	2.26	39	81350	6.4	9.3	2.2	27	560	2	1.6
14...	1002	--	1	2.25	38	81350	6.4	--	--	--	--	--	--

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	Chromium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mercury suspnd sedimnt total, ug/g (29841)	Molybdenum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selenium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Strontium, suspnd sedimnt total, ug/g (35040)	Thallium, suspnd sedimnt ug/g (49955)
JUL													
30...	55	16	57	3.4	57	28	--o	<2	26	M	<1	140	<100
JUL													
30-30	66	19	55	4.1	64	32	.10	2	31	M	<.5	67	<50
30...	56	18	63	3.6	64	29	--o	<2	28	M	<1	140	<100
JUL													
30-30	59	21	53	3.9	60	31	.17	<2	32	M	<1	140	<100
JUL													
30-30	58	19	50	4.0	56	30	.11	<2	29	M	<1	130	<100
JUL													
30-30	56	19	50	4.0	63	31	.07	<2	55	M	<1	140	<100
AUG													
14...	110	35	67	8.4	87	32	.35	5	240	1	<.5	73	<50
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Titanium, suspnd sedimnt total, percent (30317)	Vanadium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Suspended sediment concentration mg/L (80154)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Sampler type, code (84164)	Sampling method, code (82398)
JUL									
30...	.470	78	230	<100	278	--	--	3052	70
JUL									
30-30	.520	92	270	<50	261	--	--	4115	50
30...	.490	83	260	<100	272	--	--	3052	10
JUL									
30-30	.490	88	390	<100	320	--	--	4115	50
JUL									
30-30	.520	90	270	<100	366	--	--	4115	50
JUL									
30-30	.520	89	300	<100	248	--	--	4115	50
AUG									
14...	.480	130	760	<50	3	--	--	3070	70
14...	--	--	--	--	--	5	88	3044	10

Date	Time	Medium code	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)
JUL													
30...	1031	9	3.23	155	80020	<.5	<.5	<.5	<.5	<2	<1	<5	<1
AUG													
14...	1001	9	2.25	38	80020	<.5	<.5	<.5	<.5	<2	<1	<5	<1

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Date	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)
JUL													
30...	<1	<5	<1	<2	E.2	E.1	<.5	<.5	<.5	<.5	<2	<2	M
AUG													
14...	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2	<1

Date	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)
JUL													
30...	<.5	E.2	M	<1	<.5	<.5	M	<1	E.4	E.1	<5	<1	<.5
AUG													
14...	<.5	E.1	M	<1	<.5	<.5	<2	<1	E.2	<.5	<5	<1	<.5

Date	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)
JUL													
30...	<1	E.1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
AUG													
14...	<1	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5

Date	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)
JUL													
30...	<1	<2	M	<.5	<.5	M	E.1	<.5	<.5	<1	<.5	E.1	.7
AUG													
14...	<1	<2	<.5	<.5	<.5	M	E.1	<.5	<.5	<1	<.5	M	E.2

Date	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
JUL					
30...	E.1	E.1	<1.00	3052	10
AUG					
14...	E.1	E.1	<1.00	3044	10

02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA—continued.

Remark codes used in this report:
   < -- Less than
   > -- Greater than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this report:
   d -- Diluted sample: method hi range exceeded
   k -- Counts outside acceptable range
   n -- Below the NDV

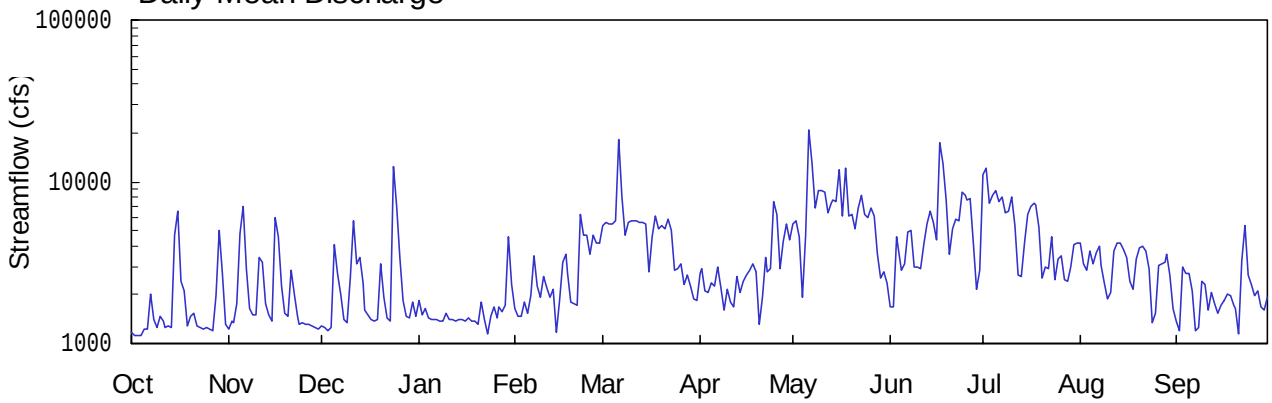
Null value qualifier codes used in this report:
   o -- Insufficient amount of water

2003 Water Year

02336490 CHATTAHOOCHEE RIVER AT GA 280, NEAR ATLANTA, GA

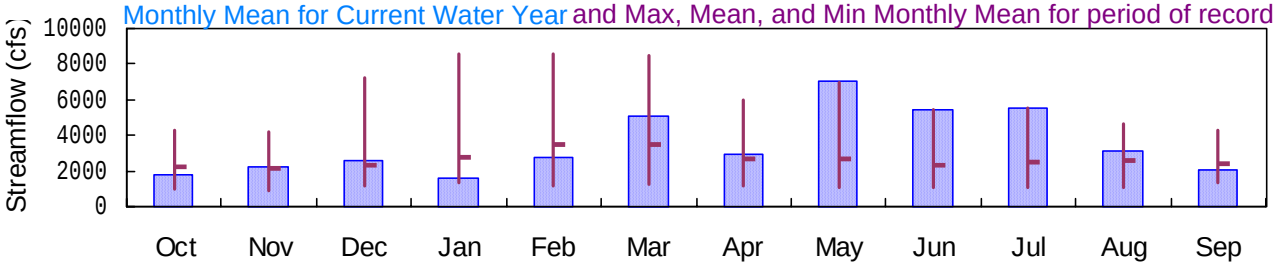
Latitude: 33°49'01" Longitude: 084°28'48" Hydrologic Unit Code: 03130002 Fulton County
Drainage Area: 1590. mi^2 Datum: 736.3 feet

Daily Mean Discharge

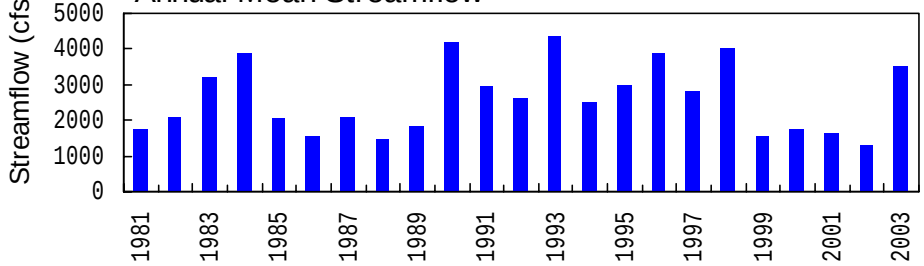


Monthly Statistics

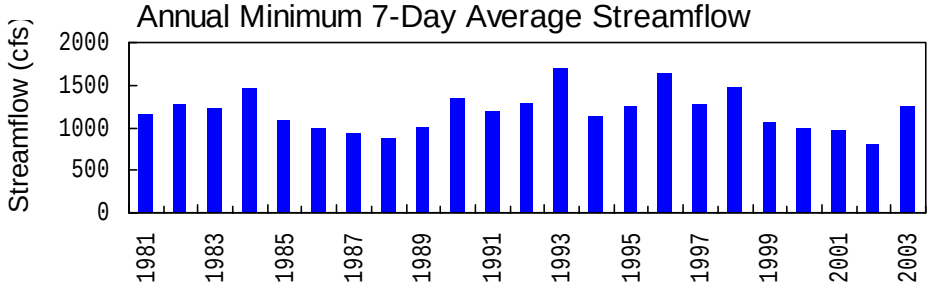
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



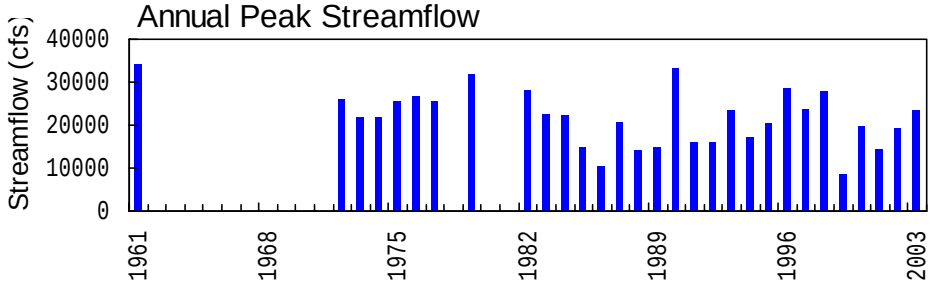
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2003 Water Year

02336490 CHATTAHOOCHEE RIVER AT GA 280, NEAR ATLANTA, GA

LOCATION.—Lat 33°49'01", long 84°28'48" referenced to North American Datum (NAD) of 1983, Fulton-Cobb County line, Hydrologic Unit 03130002, on downstream side of bridge on GA 280, 0.6 miles upstream from Norfolk-Southern Railway bridge, 1.7 miles downstream from Peachtree Creek, and at mile 298.8.

DRAINAGE AREA.—1,590 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 1981 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 736.35 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Flow regulated by Lake Sidney Lanier. Considerable diurnal fluctuation caused by the operation of the Morgan Falls hydroelectric plant.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of April 13, 1979, reached a stage of 30.71 feet from flood marks, discharge, 32,000 cfs.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 1981 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 736.35 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 25.22 feet, May 6; minimum gage-height recorded, 3.78 feet, September 22.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 9, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336490 CHATTAHOOCHEE RIVER AT GA 280, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334901 LONGITUDE 0842848 NAD83 DRAINAGE AREA 1590.00* CONTRIBUTING DRAINAGE AREA DATUM 736.35 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1180	1240	1270	1840	1660	5390	2700	5480	1670	11200	4150	1370
2	1130	1360	1250	1500	1480	5630	2910	5690	1700	12000	3100	1210
3	1120	1360	1200	1650	1480	5520	2140	4520	4600	7440	2830	2990
4	1130	1750	1240	1420	1790	5490	2080	1940	3350	8180	3760	2680
5	1220	4750	4120	1420	1530	5680	2350	4670	2820	8780	3140	2740
6	1230	6960	2710	1410	1980	18100	2280	21000	3080	7500	3670	2130
7	2040	2880	2030	1420	3480	8010	2980	12900	4870	8000	3960	1210
8	1410	e1650	1410	1380	2260	4680	2190	6910	5030	6490	3070	1270
9	1240	e1500	1330	1390	1910	5590	1620	8790	2970	6650	2380	2440
10	1460	e1500	2520	1530	2570	5710	2180	8730	2990	7980	1880	2340
11	1360	e3420	5800	1410	2210	5750	1820	8560	2910	5380	2070	1620
12	1250	e3160	3130	1400	1950	5670	1690	6430	4090	2680	3750	2050
13	1290	e1770	3380	1380	2150	5640	2590	7360	5440	2580	4130	1770
14	1260	e1500	2350	1410	1160	5590	2060	7750	6550	4210	4180	1520
15	4630	1370	1610	1390	1830	5460	2410	7480	5560	6290	3780	1710
16	6500	6030	1500	1390	3180	2780	2660	11800	4370	6990	3420	1840
17	2410	4550	1420	1450	3580	4540	2820	6210	17600	7340	2410	2040
18	2090	2260	1380	1390	2690	6180	3090	12000	13100	7200	2170	1960
19	1280	1520	1410	1360	1790	5120	2790	6090	7660	5190	3320	1710
20	1470	1470	3080	1330	1770	5390	1320	6320	3590	2550	3930	1640
21	1550	2830	1910	1780	1710	5170	1920	5080	5100	2970	4030	1150
22	1280	2020	1430	1420	6270	5870	3380	6910	5890	2870	3690	3250
23	1260	1460	1370	1150	4630	5040	2750	8210	5770	4590	2880	5390
24	1240	1330	12400	1490	4680	2870	2920	6270	8610	2450	1360	2660
25	1250	1340	7070	1690	3580	2870	7610	5960	8170	3350	1530	2310
26	1220	1320	3390	1440	4710	3090	6280	6850	7790	3520	3010	1960
27	1190	1320	1830	1700	4170	2300	2870	6070	7860	2510	3090	2110
28	1980	1290	1480	1570	4180	2620	4260	3560	4220	2440	3170	1670
29	4990	1260	1430	1740	---	2280	5470	2520	2160	2950	3600	1620
30	2710	1230	1800	4590	---	1890	4320	2800	2850	4080	2640	1920
31	1320	---	1460	2310	---	1830	---	2380	---	4170	1630	---
TOTAL	56690	67400	79710	49750	76380	157750	88460	217240	162370	170530	95730	62280
MEAN	1829	2247	2571	1605	2728	5089	2949	7008	5412	5501	3088	2076
MAX	6500	6960	12400	4590	6270	18100	7610	21000	17600	12000	4180	5390
MIN	1120	1230	1200	1150	1160	1830	1320	1940	1670	2440	1360	1150
CFSM	1.15	1.41	1.62	1.01	1.72	3.20	1.85	4.41	3.40	3.46	1.94	1.31
IN.	1.33	1.58	1.86	1.16	1.79	3.69	2.07	5.08	3.80	3.99	2.24	1.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2003, BY WATER YEAR (WY)

MEAN	2219	2113	2346	2778	3472	3511	2700	2718	2309	2490	2583	2418
MAX	4289	4173	7191	8529	8606	8512	5962	7008	5412	5501	4664	4276
(WY)	1992	1993	1993	1993	1990	1990	1983	2003	2003	2003	1994	1991
MIN	961	872	1132	1325	1153	1274	1195	1065	1096	1099	1068	1329
(WY)	2002	2002	2002	1989	2002	1988	1986	1988	1988	2002	2002	2001

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1981 - 2003	
ANNUAL TOTAL	593105		1284290			
ANNUAL MEAN	1625		3519		2653	
HIGHEST ANNUAL MEAN					4394	1993
LOWEST ANNUAL MEAN					1316	2002
HIGHEST DAILY MEAN	12400	Dec 24	21000	May 6	29800	Mar 17 1990
LOWEST DAILY MEAN	861	Aug 11	1120	Oct 3	768	Nov 11 2001
ANNUAL SEVEN-DAY MINIMUM	872	Aug 8	1250	Nov 28	800	Nov 10 2001
MAXIMUM PEAK FLOW			23300	May 6	33300	Mar 17 1990
MAXIMUM PEAK STAGE			25.22	May 6	31.51	Mar 17 1990
ANNUAL RUNOFF (CFSM)	1.02		2.21		1.67	
ANNUAL RUNOFF (INCHES)	13.88		30.05		22.67	
10 PERCENT EXCEEDS	2960		6910		5230	
50 PERCENT EXCEEDS	1190		2660		1830	
90 PERCENT EXCEEDS	904		1330		1120	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336490 CHATTAHOOCHEE RIVER AT GA 280, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334901 LONGITUDE 0842848 NAD83 DRAINAGE AREA 1590.00* CONTRIBUTING DRAINAGE AREA DATUM 736.35 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.32	4.59	4.67	5.67	5.38	10.09	6.50	10.01	4.95	13.84	8.60	4.61
2	4.23	4.84	4.63	5.11	5.06	10.37	6.67	10.26	4.96	17.74	7.25	4.29
3	4.21	4.83	4.53	5.35	5.07	10.25	5.64	8.80	8.94	12.19	6.76	7.10
4	4.22	5.54	4.61	4.96	5.58	10.21	5.56	5.39	7.39	12.90	8.12	6.69
5	4.41	8.45	8.58	4.94	5.15	10.41	5.96	7.95	6.67	13.50	7.31	6.77
6	4.42	11.66	6.91	4.93	5.79	21.44	5.85	22.75	7.00	12.25	8.01	5.87
7	5.81	7.15	5.94	4.94	7.83	13.87	6.90	18.73	9.29	12.73	8.38	4.31
8	4.76	---	4.93	4.88	6.28	9.06	5.77	11.52	9.42	11.22	7.21	4.37
9	4.46	---	4.78	4.89	5.77	10.14	4.87	13.49	6.86	11.40	6.25	6.36
10	4.85	---	5.97	5.15	6.72	10.28	5.69	13.44	6.90	12.69	5.48	6.20
11	4.68	---	10.50	4.93	6.23	10.33	5.12	13.27	6.77	10.59	5.71	5.05
12	4.47	---	7.47	4.91	5.84	10.24	4.97	11.05	8.30	6.66	8.11	5.77
13	4.54	---	7.78	4.88	6.04	10.20	6.35	12.07	9.92	6.53	8.58	5.30
14	4.49	---	6.44	4.92	4.43	10.14	5.57	12.47	11.12	8.62	8.64	4.82
15	8.15	4.86	5.28	4.90	5.64	9.96	6.08	12.18	10.09	11.02	8.15	5.20
16	11.75	10.68	5.11	4.89	7.42	6.61	6.44	16.23	8.70	11.76	7.69	5.40
17	6.48	9.15	4.95	5.00	8.05	8.75	6.65	10.85	20.98	12.10	6.29	5.73
18	5.99	6.30	4.87	4.89	6.91	10.82	7.03	16.54	17.42	11.96	5.88	5.60
19	4.67	5.14	4.93	4.84	5.52	9.57	6.63	11.29	13.41	9.75	7.56	5.20
20	4.99	5.03	7.40	4.77	5.54	9.88	4.31	10.97	7.70	6.49	8.34	5.07
21	5.17	7.08	5.75	5.52	5.46	9.63	5.22	9.52	9.54	7.06	8.46	4.18
22	4.68	5.95	4.96	4.94	10.87	10.46	7.43	11.36	10.49	6.96	8.03	6.56
23	4.64	5.02	4.85	4.43	9.25	9.47	6.58	12.91	10.34	9.09	6.94	9.99
24	4.60	4.77	15.50	4.99	9.30	6.70	6.81	10.91	13.32	6.37	4.59	6.63
25	4.62	4.80	12.75	5.39	8.03	6.71	12.20	10.56	12.88	7.57	4.80	6.14
26	4.56	4.76	7.80	4.99	9.34	7.02	10.80	11.56	12.51	7.80	7.14	5.58
27	4.51	4.76	5.63	5.43	8.74	5.90	6.74	10.69	12.58	6.45	7.25	5.84
28	5.43	4.70	5.05	5.22	8.73	6.39	8.50	7.63	8.48	6.33	7.35	5.16
29	9.67	4.65	4.97	5.47	---	5.89	10.00	6.23	5.72	7.04	7.91	5.03
30	6.85	4.59	5.55	9.18	---	5.31	8.58	6.59	6.52	8.47	6.60	5.56
31	4.76	---	5.02	6.34	---	5.17	---	6.04	---	8.62	5.09	---
MEAN	5.34	---	6.39	5.21	6.78	9.40	6.71	11.40	9.64	9.93	7.18	5.68
MAX	11.75	---	15.50	9.18	10.87	21.44	12.20	22.75	20.98	17.74	8.64	9.99
MIN	4.21	---	4.53	4.43	4.43	5.17	4.31	5.39	4.95	6.33	4.59	4.18

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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LATITUDE 334901 LONGITUDE 0842848 NAD83 DRAINAGE AREA 1590.00* CONTRIBUTING DRAINAGE AREA DATUM 736.35 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.08	0.00	0.01	0.00	0.00	0.00	2.78	0.01	0.00
2	0.00	---	0.00	0.17	0.00	0.00	0.00	---	0.00	0.01	0.00	0.00
3	0.00	---	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.65	0.00
4	0.03	---	0.15	0.00	0.23	0.02	0.01	0.00	---	0.04	0.00	0.00
5	0.00	---	0.77	0.00	0.00	1.51	0.32	---	---	0.00	0.08	0.00
6	0.46	---	0.00	0.00	0.82	1.15	0.33	---	---	0.04	0.08	0.01
7	0.31	---	0.00	0.00	0.03	0.00	0.43	---	---	0.00	0.21	0.00
8	0.00	---	0.00	0.00	0.00	0.00	0.07	---	0.03	0.01	0.00	0.00
9	0.00	---	0.00	0.04	0.17	0.00	0.15	---	---	0.00	0.00	0.00
10	0.01	---	1.26	0.04	0.27	0.00	0.06	---	---	2.18	0.00	0.00
11	0.00	---	0.01	0.00	0.00	0.00	0.00	---	---	0.00	0.01	0.00
12	0.01	---	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.09	0.00
13	0.31	---	0.65	0.00	0.00	0.00	0.00	---	0.60	0.73	0.28	0.00
14	0.00	---	---	0.00	0.05	0.00	0.00	---	0.01	0.00	0.01	1.27
15	2.77	0.65	---	0.00	0.00	0.49	0.00	---	0.09	0.00	0.00	0.01
16	0.04	1.03	---	0.13	1.09	0.00	0.00	---	0.09	0.10	0.01	0.00
17	0.00	0.00	0.00	0.00	0.00	0.70	0.54	---	1.72	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.01	0.00	---	1.35	0.00	0.00	0.00
19	0.00	0.01	0.71	0.00	0.00	0.39	0.00	---	0.05	0.05	0.38	0.00
20	0.44	0.58	0.02	0.00	0.00	0.16	0.00	---	0.00	0.01	0.00	0.00
21	0.00	0.28	0.00	0.13	0.10	0.00	0.13	---	0.00	0.00	0.00	0.00
22	0.00	0.00	0.01	0.12	1.21	0.00	0.00	---	0.00	0.48	0.00	1.40
23	0.01	0.00	0.10	0.00	0.00	0.00	0.00	---	0.00	0.85	0.00	0.00
24	0.00	0.00	2.47	0.00	0.00	0.00	0.34	---	0.00	0.00	0.20	0.00
25	0.07	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.39	0.00	---	---	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.17	0.02	0.00	---	0.02	0.00	0.00	0.07
28	1.25	0.00	0.00	0.00	0.00	0.00	0.00	---	0.56	0.00	1.06	0.00
29	0.09	0.00	0.00	0.78	---	0.07	0.00	0.00	0.09	0.00	0.59	0.00
30	0.01	0.00	0.00	0.82	---	0.27	0.00	0.00	0.64	1.01	0.01	0.00
31	0.00	---	0.13	0.00	---	0.00	---	0.00	---	0.44	0.00	---
TOTAL	5.81	---	---	2.31	4.53	4.80	---	---	---	8.73	3.67	2.76

APALACHICOLA RIVER BASIN
2003 Water Year

02336504 PROCTOR CREEK AT SIMPSON STREET, AT ATLANTA, GA

LOCATION.—Lat 33°45'48", long 84°25'42" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, at culvert on Simpson Street, 0.4 miles upstream of Proctor Creek,0.3 miles east of Chappell Road, and 0.7 miles north of Martin Luther King Jr. Drive.

DRAINAGE AREA.—2.40 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to August 14, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)
APR													
25...	1050	81345	54	735	7.5	76	6.8	121	14.5	--	39	11	11.3
25...	1052	81350	--	--	--	--	--	--	--	25.0	--	--	--
25...	1051	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	0815	81345	5.6	746	8.3	91	6.5	151	19.5	--	47	14	12.8
17...	0816	80020	--	--	--	--	--	--	--	--	--	--	--
17...	0817	81350	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	0730	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)
APR													
25...	2.71	3.62	.4	6.09	23	28.6	<.02	6.13	<.02	15.8	10.9	79	.11
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	3.68	2.50	.6	9.68	30	33.6	<.1	10.3	<.1	27.7	15.1	108	.15
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336504 PROCTOR CREEK AT SIMPSON STREET, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)
APR													
25...	.01	.005	.95	1.00d	.050	.224	.07	.01	1.67	17000	9360k	155000	43.2
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	.02	.019	1.27	1.27d	<.100	--	<.038	.02	1.51	1100	1350	61300	47.7
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)
APR													
25...	140	50	--x	<100	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	14	1.0
25...	--	--	31	38.2	20	E.04	<.8	3.6	.52	1.34	<.20	--	--
JUL													
17...	<100	60	<50	<100	--	--	--	--	--	--	--	--	--
17...	--	--	2	23.0	10	E.02n	<.8	.9	<.08	.85	<.20	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	6.3	450	4	1.4	130	24	64	4.6	120	76	1500	.31	8
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	68	1	M	53	<50	.370	120	320	<50	20	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	<50	9.5	M
AUG													
14...	--	--	--	--	--	--	--	--	--	--	<50	9.7	M

02336504 PROCTOR CREEK AT SIMPSON STREET, AT ATLANTA, GA—continued.

Date	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	M	560	2	M	49	18	44	4.2	71	31	1000	.22	<1
AUG													
14...	M	640	2	M	47	16	45	3.8	93	38	800	.42	1

Date	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	M	<1
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1
17...	15	.3	<.5	94	.490	130	120	--	--	--	--	--	--
AUG													
14...	16	.5	<.5	89	.460	120	130	--	--	--	--	--	--

Date	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<5	<1	<1	M	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	E1
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	E1	<1	2.3	E.1	<.5	<1	<.5	<.5	E1	<1	M	<.5	E3
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<2	<1	2.0	E.1	<.5	<1	<.5	<.5	<2	<1	M	<.5	E2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336504 PROCTOR CREEK AT SIMPSON STREET, AT ATLANTA, GA—continued.

Date	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limo-nene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	M	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<.5	<.5	<1	<2	<.5	<.5	<.5	<.5	M	<.5	M	<1	<.5
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<.5	<.5	M	<2	<.5	.5	<.5	<.5	<.5	<.5	<.5	<1	<.5
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
APR							
25...	--	--	--	--	--	3070	10
25...	--	--	--	--	--	3070	10
25...	M	E.3	M	E.1	<1.00	3070	10
JUL							
17...	--	--	--	--	--	3070	10
17...	<.5	<.5	<.5	<.5	<1.00	3070	10
17...	--	--	--	--	--	3070	70
AUG							
14...	--	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the NDV

APALACHICOLA RIVER BASIN
2003 Water Year

02336516 PROCTOR CREEK TRIBUTARY #6 AT SIMPSON STREET, AT ATLANTA, GA

LOCATION.—Lat 33°45’50”, long 84°26’47” referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130002, at culvert on Simpson Street, 1.1 miles upstream of Proctor Creek, and 0.5 miles north of Martin Luther King Jr. Drive.

DRAINAGE AREA.—0.21 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 17, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)
APR													
25...	1615	81345	40	735	9.6	100	6.9	121	17.0	--	40	5	12.6
25...	1617	81350	--	--	--	--	--	--	--	--	--	--	--
25...	1616	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	0930	81345	5.0	755	9.1	106	6.9	162	22.5	26.5	44	4	13.7
17...	0931	80020	--	--	--	--	--	--	--	--	--	--	--
17...	0932	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)
APR													
25...	1.96	4.86	.4	6.16	23	34.9	<.02	5.43	<.02	14.8	9.8	80	.11
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	2.33	2.83	.8	11.9	35	40.4	<.1	13.9	.1	21.4	10.4	105	.14
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336516 PROCTOR CREEK TRIBUTARY #6 AT SIMPSON STREET, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)
APR													
25...	.02	.017	.72	.770d	.050	.279	.09	.03	1.47	2300	1900k	98000	40.1
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	.02	.012	.84	.840d	<.100	--	<.006	.02	.89	460	2000	26700	43.1
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)
APR													
25...	100	50	<50	<100	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	14	1.0
25...	--	--	24	66.0	16	E.03	<.8	3.2	.47	1.36	<.2	--	--
JUL													
17...	<100	70	<50	<100	--	--	--	--	--	--	--	--	--
17...	--	--	3	71.1	8	E.03n	<.8	1.3	E.05n	.98	<.20	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	15	360	4	1.6	170	32	80	5.8	130	67	3200	.22	10
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	82	1	<.5	60	<50	.440	140	580	<50	15	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	<50	9.1	M

02336516 PROCTOR CREEK TRIBUTARY #6 AT SIMPSON STREET, AT ATLANTA, GA—continued.

Date	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	M	850	2	M	36	12	37	2.8	86	40	820	.07	<1

Date	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M
17...	16	.2	<.5	100	.350	66	180	--	--	--	--	--	--

Date	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<5	<1	<1	E1	<1	<2	E.1	<.5	M	M	<.5	E.1	<2
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<2	M	2.4	E.1	<.5	<1	<.5	M	M	M	E.1	E.1	E2
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<2	<1	.9	M	<.5	<1	<.5	<.5	<2	<1	E.1	<.5	E2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336516 PROCTOR CREEK TRIBUTARY #6 AT SIMPSON STREET, AT ATLANTA, GA—continued.

Date	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limo-nene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<1	<.5	<1	M	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<.5	<.5	M	<2	M	E.2	E.1	M	<.5	<.5	E.1	<1	<.5
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<.5	<.5	M	<2	<.5	1.7	<.5	<.5	<.5	<.5	<.5	<1	<.5
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
APR							
25...	--	--	--	--	--	3070	10
25...	--	--	--	--	--	3070	10
25...	M	7.2	E.1	E.1	<1.00	3070	10
JUL							
17...	--	--	--	--	--	3070	10
17...	<.5	<.5	E.1	<.5	<1.00	3070	10
17...	--	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the NDV

APALACHICOLA RIVER BASIN
2003 Water Year

023365165 PROCTOR CREEK TRIBUTARY #5 AT SIMPSON STREET, AT ATLANTA, GA

LOCATION.—Lat 33°45'49", long 84°26'19" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130002, at culvert on Simpson Street, 0.9 miles upstream of Proctor Creek, 0.3 miles west of Chappell Road, and 0.7 miles north of Martin Luther King Jr. Drive.

DRAINAGE AREA.—0.56 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 17, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)
APR													
25...	0930	81345	95	735	7.3	75	6.8	102	15.0	17.0	36	7	11.4
25...	0932	81350	--	--	--	--	--	--	--	--	--	--	--
25...	0931	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	1015	81345	4.9	755	8.6	98	7.0	145	22.0	30.0	32	4	10.6
17...	1016	80020	--	--	--	--	--	--	--	--	--	--	--
17...	1017	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)
APR													
25...	1.81	3.92	.2	2.99	14	29.1	<.02	2.79	<.02	9.90	7.6	62	.08
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	1.26	2.63	1	14.4	47	27.5	<.1	17.0	.2	19.7	9.8	96	.13
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

023365165 PROCTOR CREEK TRIBUTARY #5 AT SIMPSON STREET, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)
APR													
25...	.05	.039	.66	.710d	.050	.353	.12	.08	1.43	4100	9640k	242000	33.3
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	.01	.004	.78	.780d	<.100	.193	.063	.03	.96	690	1600	25700	39.8
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)
APR													
25...	160	40	59	<100	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	13	.9
25...	--	--	54	85.5	19	.04	<.8	3.7	.60	1.25	<.2	--	--
JUL													
17...	<100	60	<50	<100	--	--	--	--	--	--	--	--	--
17...	--	--	4	11.8	8	E.02n	<.8	1.3	E.06n	.78	<.20	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	11	350	3	1.0	150	27	62	5.2	79	53	2100	.17	6
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	67	1	<.5	55	<50	.400	130	390	<50	37	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	<50	9.0	M

023365165 PROCTOR CREEK TRIBUTARY #5 AT SIMPSON STREET, AT ATLANTA, GA—continued.

Date	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	M	900	3	M	35	9	49	2.4	120	44	610	.06	<1

Date	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M
17...	14	.2	<.5	120	.320	54	210	--	--	--	--	--	--

Date	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<5	<1	<1	E1	<1	M	E.1	<.5	<.5	E.1	<.5	E.1	<2
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<2	M	3.4	E.1	<.5	<1	<.5	<.5	<2	M	M	E.1	E2
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<2	<1	.7	<.5	<.5	<1	<.5	<.5	<2	<1	E.1	<.5	E2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

023365165 PROCTOR CREEK TRIBUTARY #5 AT SIMPSON STREET, AT ATLANTA, GA—continued.

Date	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limo-nene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	M	<.5	<1	M	<.5	M	<.5	<.5	<.5	<.5	M	<.5	M
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<.5	<.5	M	<2	M	E.3	<.5	M	<.5	<.5	E.1	<1	<.5
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<.5	<.5	M	<2	<.5	1.0	<.5	<.5	<.5	<.5	<.5	<1	<.5
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
APR							
25...	--	--	--	--	--	3070	10
25...	--	--	--	--	--	3070	10
25...	E.1	11.0	E.1	E.1	<1.00	3070	10
JUL							
17...	--	--	--	--	--	3070	10
17...	<.5	<.5	<.5	<.5	<1.00	3070	10
17...	--	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the NDV

APALACHICOLA RIVER BASIN
2003 Water Year

02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA

LOCATION.—Lat 33°46'32" , long 84°26'27" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130002, on downstream side of bridge on Hortense Way, 0.2 miles north of US 78, 3.2 miles east of Interstate 285, 2.9 miles west of Interstate 75/85.

DRAINAGE AREA.—7.20 square miles.

COOPERATION.—City of Atlanta.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1, 2003 to September 30, 2003.

GAGE.—Satellite telemetry with water-stage recorder. Datum of gage is 830.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage height recorded, 13.10 feet, May 16, 2003; Minimum gage height recorded, 1.12 feet, September 13, 2003.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 1, 2003 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334632 LONGITUDE 0842627 NAD27 DRAINAGE AREA 7.20* CONTRIBUTING DRAINAGE AREA DATUM

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	1.28	1.30	1.27	3.37	1.26	1.17
2	---	---	---	---	---	---	1.27	1.49	1.27	1.62	1.23	1.21
3	---	---	---	---	---	---	1.27	1.55	1.69	1.46	1.64	1.17
4	---	---	---	---	---	---	1.27	1.32	1.37	1.44	1.42	1.16
5	---	---	---	---	---	---	1.52	2.25	1.26	1.59	1.27	1.16
6	---	---	---	---	---	---	1.49	3.05	1.44	1.40	1.28	1.16
7	---	---	---	---	---	---	1.72	1.93	2.06	1.36	1.32	1.16
8	---	---	---	---	---	---	1.36	1.66	1.35	1.34	1.25	1.16
9	---	---	---	---	---	---	1.47	1.41	1.28	1.34	1.24	1.15
10	---	---	---	---	---	---	1.38	1.36	1.26	1.94	1.23	1.14
11	---	---	---	---	---	---	1.32	1.53	1.32	1.48	1.22	1.14
12	---	---	---	---	---	---	1.30	1.33	1.33	1.31	1.29	1.15
13	---	---	---	---	---	---	1.29	1.30	2.02	1.46	1.38	1.14
14	---	---	---	---	---	---	1.28	1.30	1.41	1.39	1.22	1.55
15	---	---	---	---	---	---	1.28	2.66	1.33	1.39	1.21	1.26
16	---	---	---	---	---	---	1.27	3.10	1.32	1.29	1.21	1.17
17	---	---	---	---	---	---	1.57	1.56	1.95	1.28	1.21	1.15
18	---	---	---	---	---	---	1.34	2.94	3.01	1.27	1.21	1.15
19	---	---	---	---	---	---	1.28	1.57	1.63	1.27	1.21	1.16
20	---	---	---	---	---	---	1.27	1.44	1.43	1.25	1.20	1.14
21	---	---	---	---	---	---	1.58	1.52	1.38	1.25	1.21	1.14
22	---	---	---	---	---	---	1.31	2.47	1.36	1.29	1.20	1.81
23	---	---	---	---	---	---	1.26	1.46	1.35	1.93	1.19	1.26
24	---	---	---	---	---	---	1.32	1.39	1.34	1.28	1.28	1.18
25	---	---	---	---	---	---	2.21	1.36	1.33	1.25	1.20	1.17
26	---	---	---	---	---	---	1.38	1.34	1.33	1.23	---	1.17
27	---	---	---	---	---	---	1.33	1.33	1.35	1.23	---	1.16
28	---	---	---	---	---	---	1.32	1.31	1.66	1.22	---	1.15
29	---	---	---	---	---	---	1.31	1.30	1.29	1.22	1.24	1.15
30	---	---	---	---	---	---	1.30	1.30	2.27	1.82	1.35	1.15
31	---	---	---	---	---	---	---	1.29	---	1.34	1.18	---
MEAN	---	---	---	---	---	---	1.39	1.68	1.52	1.46	---	1.20
MAX	---	---	---	---	---	---	2.21	3.10	3.01	3.37	---	1.81
MIN	---	---	---	---	---	---	1.26	1.29	1.26	1.22	---	1.14

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334632 LONGITUDE 0842627 NAD27 DRAINAGE AREA 7.20* CONTRIBUTING DRAINAGE AREA DATUM

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	0.00	0.00	0.00	2.89	0.01	0.00
2	---	---	---	---	---	---	0.00	0.38	0.00	0.00	0.00	0.00
3	---	---	---	---	---	---	0.00	0.24	0.82	0.00	0.95	0.00
4	---	---	---	---	---	---	0.00	0.00	0.15	0.19	0.00	0.00
5	---	---	---	---	---	---	0.38	2.35	0.00	0.43	0.01	0.00
6	---	---	---	---	---	---	0.35	1.59	0.46	0.04	0.06	0.00
7	---	---	---	---	---	---	0.45	0.61	1.03	0.00	0.11	0.00
8	---	---	---	---	---	---	0.06	0.00	0.00	0.00	0.00	0.00
9	---	---	---	---	---	---	0.20	0.00	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	0.07	0.00	0.00	1.17	0.00	0.00
11	---	---	---	---	---	---	0.00	0.35	0.18	0.05	0.00	0.00
12	---	---	---	---	---	---	0.00	0.00	0.16	0.00	0.11	0.01
13	---	---	---	---	---	---	0.00	0.00	0.86	0.45	0.33	0.00
14	---	---	---	---	---	---	0.00	0.02	0.36	0.00	0.00	1.40
15	---	---	---	---	---	---	0.00	1.65	0.10	0.00	0.00	0.00
16	---	---	---	---	---	---	0.00	3.10	0.01	0.05	0.00	0.00
17	---	---	---	---	---	---	0.47	0.07	0.11	0.00	0.00	0.00
18	---	---	---	---	---	---	0.00	1.60	0.03	0.00	0.00	0.00
19	---	---	---	---	---	---	0.00	0.05	0.06	0.00	0.07	0.00
20	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	0.47	0.28	0.00	0.00	0.00	0.01
22	---	---	---	---	---	---	0.00	0.91	0.00	0.25	0.03	1.41
23	---	---	---	---	---	---	0.00	0.01	0.00	1.39	0.01	0.00
24	---	---	---	---	---	---	0.32	0.00	0.00	0.00	0.00	0.00
25	---	---	---	---	---	---	1.17	0.02	0.00	0.00	0.00	0.00
26	---	---	---	---	---	---	0.00	0.01	0.00	0.00	---	0.00
27	---	---	---	---	---	---	0.00	0.00	0.06	0.00	---	0.03
28	---	---	---	---	---	---	0.00	0.00	1.00	0.00	---	0.00
29	---	---	---	---	---	---	0.00	0.00	0.01	0.00	0.05	0.00
30	---	---	---	---	---	---	0.00	0.00	1.27	1.19	0.00	0.00
31	---	---	---	---	---	---	---	0.00	---	0.23	0.00	---
TOTAL	---	---	---	---	---	---	3.94	13.24	6.67	8.33	---	2.86

APALACHICOLA RIVER BASIN
2003 Water Year

02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA

LOCATION.—Lat 33°46'32", long 84°26'27" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, on downstream side of bridge on Hortense Way, 0.2 miles north of US 78, 3.2 miles east of Interstate 285, and 2.9 miles west of interstate 75/85.

DRAINAGE AREA.—7.20 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 21, 2003 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)
AUG													
21...	0935	9	81345	4.8	742	7.4	90	7.4	315	24.0	95	12	27.6
21...	0936	9	80020	4.8	742	7.4	90	7.4	315	24.0	--	--	--
21...	0940	9	81345	3.1	742	7.4	90	7.4	315	24.0	97	15	28.1
21...	0941	9	80020	3.1	742	7.4	90	7.4	315	24.0	--	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)
AUG													
21...	6.40	4.80	.7	16.6	26	83.6	.1	23.8	.1	23.4	33.7	190	.26
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	6.51	5.06	.8	17.5	27	82.5	.1	23.8	.1	24.1	33.5	192	.26
21...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)
AUG													
21...	.06	.047	.69	<.100	<.072	M	1.06	640	514	35200	54.3	<100	120
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	.04	.029	.70	<.100	<.106	.01	1.00	--	--	--	56.3	<100	130
21...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Sampler type, code (84164)	Sam-pling method, code (82398)
AUG											
21...	<50	<100	--	--	--	--	--	--	--	3044	10
21...	2	48.5	6	.04	1.1	1.9	1.28	2.00	<.20	3044	10
21...	<50	<100	--	--	--	--	--	--	--	3070	70
21...	2	44.9	7	.04	<.8	1.8	1.29	2.00	<.20	3070	70

Date	Time	Medium code	Agency ana-lyzing sample, code (00028)	Tur-bidity, water, unfltrd field, NTU (61028)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)
AUG													
21...	0900	1	81350	3.1	2400	7.6	410	34	22	300	1	40	<.5

Date	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)
AUG													
21...	<50	67	31	1.0	1	16	3	<.5	1400	.06	2.8	340	88

Date	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Sampler type, code (84164)	Sam-pling method, code (82398)
AUG				
21...	<50	M	3070	70

Date	Time	Medium code	Agency ana-lyzing sample, code (00028)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)
AUG													
21...	0936	9	80020	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5

02336517 PROCTOR CREEK AT HORTENSE WAY, AT ATLANTA, GA—continued.

Date	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)
AUG 21...	<1	<2	E.3	<.5	<.5	E.1	<.5	<.5	<2	<2	<1	.7	E.1

Date	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)
AUG 21...	<.5	<1	E.1	<.5	<2	<1	E.1	<.5	<5	<1	<.5	<1	E.4

Date	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)
AUG 21...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<2

Date	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloroi-Pr) phosphate, wat flt ug/L (62088)
AUG 21...	E.3	<.5	<.5	.5	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5

Date	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
AUG 21...	<1.00	3044	10

0Remark codes used in this report:
< -- Less than
M -- Presence verified, not quantified
E -- Estimated value

APALACHICOLA RIVER BASIN
2003 Water Year

023365212 PROCTOR CREEK TRIBUTARY AT BAKER ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°46'13", long 84°27'27" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130002, at culvert on Baker Road, 2.0 miles upstream of Proctor Creek, and 0.9 miles east of GA 280.

DRAINAGE AREA.—1.47 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 17, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)
APR													
25...	1100	80020	--	--	--	--	--	--	--	--	--	--	--
25...	1100	81350	--	--	--	--	--	--	--	--	--	--	--
25...	1101	81345	60	735	10.2	103	6.8	88	16.0	--	33	8	10.6
JUL													
17...	0835	81345	15	740	7.8	89	7.1	164	22.0	24.5	52	7	16.3
17...	0837	81350	--	--	--	--	--	--	--	--	--	--	--
17...	0839	80020	--	--	--	--	--	--	--	--	--	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	1.57	3.43	.3	3.64	18	25.3	<.02	3.25	<.02	9.35	6.9	57	.08
JUL													
17...	2.78	2.95	.7	10.9	30	44.8	<.1	12.7	.1	23.8	10.8	111	.15
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

023365212 PROCTOR CREEK TRIBUTARY AT BAKER ROAD, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	.02	.013	.51	.590d	.080	.322	.10	.03	1.25	5600	7360k	242000	30.5
JUL													
17...	.10	.076	.72	.720d	<.100	.199	.065	.02	.98	1300	14600	98000	45.4
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)
APR													
25...	--	--	56	60.6	17	E.03n	<.8	3.8	.83	1.25	<.20	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	13	1.2
25...	210	40	60	<100	--	--	--	--	--	--	--	--	--
JUL													
17...	<100	80	<50	120	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	E1n	143	7	<.04	<.8	1.1	<.08	1.16	<.20	--	--

Date	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	12	380	4	1.4	170	25	75	5.2	130	70	2700	.20	8
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	79	1	M	52	<50	.370	120	460	<50	22	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	<50	9.5	M
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

023365212 PROCTOR CREEK TRIBUTARY AT BAKER ROAD, AT ATLANTA, GA—continued.

Date	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	M	820	2	M	44	14	50	3.2	97	42	1400	.08	<1
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)
APR													
25...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	20	.3	<.5	110	.355	73	220	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M

Date	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)
APR													
25...	<5	<1	<1	<5	<1	M	E.1	<.5	<.5	M	<.5	<.5	<2
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2

Date	beta-Stigma-stanol, water, fltrd, ug/L (62086)	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)
APR													
25...	<2	<1	2.2	E.1	<.5	<1	<.5	<.5	<2	<1	M	E.1	<5
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<2	<1	.8	E.1	M	<1	<.5	<.5	<2	<1	E.2	<.5	E2

023365212 PROCTOR CREEK TRIBUTARY AT BAKER ROAD, AT ATLANTA, GA—continued.

Date	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)	D-Limo-nene, water, fltrd, ug/L (62073)	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)
APR													
25...	M	<.5	<1	M	<.5	<.5	<.5	<.5	<.5	<.5	M	<.5	<.5
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<1	<.5	<1	<.5	<.5	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5

Date	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)
APR													
25...	<.5	<.5	M	<2	M	E.4	E.1	M	<.5	<.5	M	<1	<.5
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<.5	<.5	M	<2	<.5	1.8	<.5	<.5	<.5	<.5	<.5	<1	<.5

Date	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
APR							
25...	M	2.1	E.1	E.1	<1.00	3070	10
25...	--	--	--	--	--	3070	10
25...	--	--	--	--	--	3070	10
JUL							
17...	--	--	--	--	--	3070	10
17...	--	--	--	--	--	3070	70
17...	<.5	<.5	<.5	<.5	<1.00	3070	10

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the NDV

APALACHICOLA RIVER BASIN
2003 Water Year

023365214 PROCTOR CREEK TRIBUTARY AT NORTH GRAND AVENUE, AT ATLANTA, GA

LOCATION.—Lat 33°46'54", long 84°27'41" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, at culvert on North Grand Avenue, 1.2 miles upstream of Proctor Creek, and 0.3 miles north of US 78, 278 and GA 8.

DRAINAGE AREA.—2.34 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 17, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
APR													
25...	1230	81350	--	--	--	--	--	--	--	--	--	--	--
25...	1230	81345	61	735	9.7	102	6.8	96	16.0	34	8	10.8	1.63
25...	1231	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	0715	81345	3.9	740	7.7	91	7.0	181	22.0	52	4	16.2	2.88
17...	0719	80020	--	--	--	--	--	--	--	--	--	--	--
17...	0720	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	3.88	.3	3.70	17	26.0	<.02	3.28	<.02	9.46	8.3	60	.08	.02
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	3.24	.6	10.7	29	48.1	<.1	11.8	.1	24.4	14.2	117	.16	.05
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

023365214 PROCTOR CREEK TRIBUTARY AT NORTH GRAND AVENUE, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	.014	.64	.640d	<.020	.478	.16	.04	1.46	11000	12000k	200000	31.6	160
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	.040	1.02	1.02d	<.100	.254	.083	.02	1.19	680	1200	73000	44.5	<100
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
APR													
25...	--	--	--	--	--	--	--	--	--	--	14	1.1	11
25...	40	85	<100	--	--	--	--	--	--	--	--	--	--
25...	--	39	40.3	18	E.03	<.8	4.1	.90	1.42	<.2	--	--	--
JUL													
17...	80	<50	<100	--	--	--	--	--	--	--	--	--	--
17...	--	2	74.8	10	E.03n	<.8	1.4	<.08	1.30	<.20	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
APR													
25...	370	4	1.3	140	21	70	5.2	140	71	1700	.22	6	61
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
APR													
25...	1	<.5	47	<50	.380	120	440	<50	26	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	<50	9.8	M	M

023365214 PROCTOR CREEK TRIBUTARY AT NORTH GRAND AVENUE, AT ATLANTA, GA—continued.

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	780	3	M	38	14	50	3.0	120	45	1200	.09	1	19

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1	<5
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M	<5
17...	.5	<.5	92	.370	70	230	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<1	<1	<5	<1	<2	E.1	<.5	M	M	<.5	<.5	<2	<2
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<1	1.6	E.1	<.5	<1	<.5	<.5	<2	<1	E.1	E.1	E2	M
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<1	.6	E.1	<.5	<1	<.5	<.5	<2	<1	E.1	<.5	E2	<1
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

023365214 PROCTOR CREEK TRIBUTARY AT NORTH GRAND AVENUE, AT ATLANTA, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<.5	<1	M	<.5	M	<.5	<.5	<.5	<.5	M	<.5	M	<.5
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)
APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	<.5	M	M	M	E.3	E.1	M	E2.8	<.5	E.1	<1	<.5	E.1
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<.5	M	<2	<.5	.6	<.5	<.5	E7.9	<.5	<.5	<1	<.5	<.5
17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
APR						
25...	--	--	--	--	3070	10
25...	--	--	--	--	3070	10
25...	1.7	E.1	E.1	<1.00	3070	10
JUL						
17...	--	--	--	--	3070	10
17...	<.5	<.5	<.5	<1.00	3070	10
17...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the NDV

APALACHICOLA RIVER BASIN
2003 Water Year

023365218 PROCTOR CREEK TRIBUTARY AT SPRING ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°47'34", long 84°28'08" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, at bridge on Spring Road, 0.6 miles upstream of Proctor Creek, 0.1 miles west of Hollywood Road, and 0.6 miles east of GA 280.

DRAINAGE AREA.—3.11 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 28, 2003 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)
AUG													
28...	1000	9	1.3	81345	4.3	747	7.3	87	7.2	239	24.0	62	.0
28...	1001	9	1.3	80020	4.3	747	7.3	87	7.2	239	24.0	--	--
28...	1030	9	1.3	81345	3.8	747	7.4	88	7.3	233	24.0	62	.0
28...	1031	9	1.3	80020	3.8	747	7.4	88	7.3	233	24.0	--	--

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)
AUG													
28...	19.0	3.60	4.59	.9	16.2	34	61.4	.1	16.4	.2	26.2	20.2	148
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	18.9	3.55	4.64	.9	16.4	34	61.2	.1	16.4	.1	26.0	20.2	147
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Total nitrogen, wat flt by analysis, mg/L (62854)	E coli, Colilert Quantry water, MPN/ 100 mL (50468)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	Total coliform, Colert Quantry MPN/ 100 mL (50569)

023365218 PROCTOR CREEK TRIBUTARY AT SPRING ROAD, AT ATLANTA, GA—continued.

AUG													
28...	.20	1.54	1.20	.51	.620d	.110	--	<.056	M	2.11	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	.20	1.50	1.16	.51	.630d	.120	.101	.033	.01	2.10	4900	6200	120000
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Sampler type, code (84164)
AUG													
28...	43.9	<100	100	<50	<100	--	--	--	--	--	--	--	3070
28...	--	--	--	3	39.1	11	E.03n	<.8	2.0	.11	1.22	<.20	3070
28...	43.6	<100	100	<50	<100	--	--	--	--	--	--	--	3044
28...	--	--	--	3	39.2	10	E.02n	<.8	2.1	.11	1.21	<.20	3044

Date	Sampling method, code (82398)
AUG	
28...	70
28...	70
28...	10
28...	10

Date	Time	Medium code	Instan-taneous dis-charge, cfs (00061)	Agency ana-lyzing sample, code (00028)	Tur-bidity, water, unfltrd field, NTU (61028)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)
AUG													
28...	1010	1	1.3	81350	4.3	4.4	1.5	22	670	2	2.4	76	36

Date	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)
AUG													
28...	130	11	110	18	--o	4	67	3	4	110	<100	.230	73

Date	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Sampler type, code (84164)	Sampling method, code (82398)
AUG					
28...	980	<100	3	3070	70

023365218 PROCTOR CREEK TRIBUTARY AT SPRING ROAD, AT ATLANTA, GA—continued.

Date	Time	Medium code	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)
AUG 28...	1031	9	1.3	80020	<.5	<.5	<.5	<.5	M	<1	<5	<1	<1

Date	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)
AUG 28...	<5	<1	<2	E.1	<.5	E.1	<.5	<.5	E.1	M	<2	<1	.6

Date	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)
AUG 28...	1.0	<.5	<1	<.5	<.5	E2	M	1.0	<.5	E5	M	<.5	<1

Date	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)
AUG 28...	<.5	M	<.5	<.5	<.5	<.5	<.5	E.2	<.5	M	<.5	<.5	<1

Date	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)
AUG 28...	<2	<.5	<.5	<.5	<.5	E.5	<.5	E.1	M	E.1	M	.7	E.1

Date	Tris(dichloroi-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
AUG 28...	E.1	<1.00	3044	10

023365218 PROCTOR CREEK TRIBUTARY AT SPRING ROAD, AT ATLANTA, GA—continued.

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

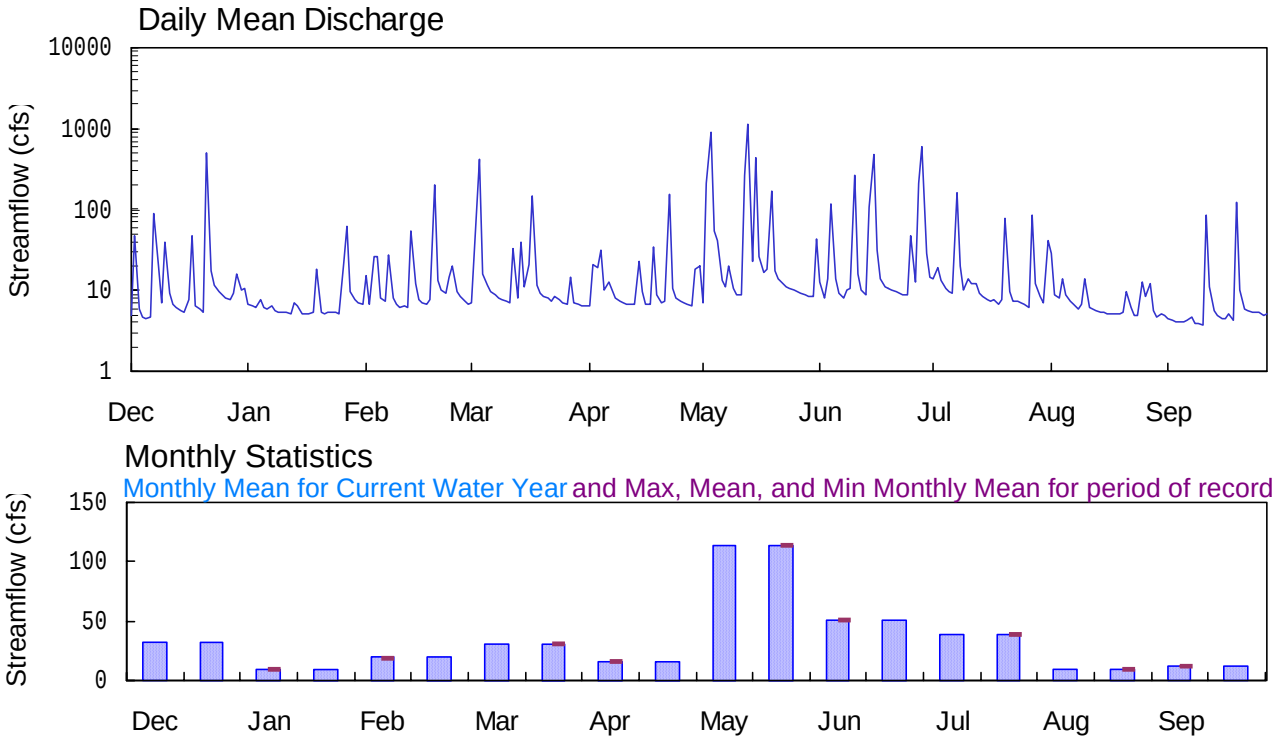
Value qualifier codes used in this report:
   d -- Diluted sample: method hi range exceeded
   n -- Below the NDV

Null value qualifier codes used in this report:
   o -- Insufficient amount of water

2003 Water Year

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA

Latitude: 33°47'39" Longitude: 084°28'28" Hydrologic Unit Code: 03130002 Fulton County
Drainage Area: 13.4 mi^2 Datum: 756.3 feet



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2003 Water Year

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA

LOCATION.—Lat 33°47'39", long. 84°28'28" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130002, on the upstream left bank of bridge on Jackson Parkway (GA 280).

DRAINAGE AREA.—13.40 square miles.

COOPERATION.—City of Atlanta.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—February 1961 to March, 1990 (peak streamflow only), December 4, 2002 to September 30, 2003.

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 756.39 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records fair, except for periods of estimated discharges, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—December 4, 2002 to September 30, 2003.

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 756.39 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.— Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 16.40 feet, May 16; minimum gage-height recorded, 3.41 feet, September 14.

PRECIPITATION RECORDS

PERIOD OF RECORD.—December 4, 2002 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40* CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	16	7.7	8.6	6.7	6.5	8.5	e598	8.6	4.8
2	---	---	---	10	7.2	7.3	6.5	18	8.6	29	7.0	5.1
3	---	---	---	11	6.8	6.9	6.4	20	43	15	41	e5.0
4	---	---	4.8	6.7	15	6.9	6.4	7.1	13	14	29	e4.5
5	---	---	48	6.4	6.6	e83	21	e209	8.0	19	8.6	4.3
6	---	---	5.8	6.1	26	e425	19	e902	14	13	8.1	4.1
7	---	---	4.7	7.8	26	16	32	54	e115	10	14	4.1
8	---	---	4.5	6.2	8.2	11	e10	40	14	9.7	9.0	4.1
9	---	---	4.6	6.0	7.3	9.8	13	14	9.1	9.3	7.4	4.4
10	---	---	87	6.3	27	8.8	9.9	11	8.0	e161	6.8	4.6
11	---	---	20	5.5	8.0	8.2	8.1	20	10	e20	6.0	3.8
12	---	---	7.1	5.3	6.7	7.7	7.4	10	11	e10	6.8	3.8
13	---	---	40	5.3	6.2	7.5	7.1	8.8	e269	e14	14	3.8
14	---	---	9.3	5.3	6.4	7.2	6.9	8.9	16	e12	6.2	e87
15	---	---	6.8	5.1	6.1	33	6.7	e260	10	e12	5.8	11
16	---	---	6.2	7.1	55	8.2	6.7	e1130	8.9	9.1	5.7	5.6
17	---	---	5.7	6.4	12	40	23	23	e108	8.3	5.5	4.8
18	---	---	5.3	5.1	7.7	11	9.7	e438	e474	7.7	5.4	4.6
19	---	---	7.8	5.1	7.0	21	6.8	26	31	7.3	5.2	4.5
20	---	---	e48	5.2	6.8	e146	6.7	17	14	7.8	5.2	5.2
21	---	---	6.4	5.4	7.7	12	35	18	11	6.9	5.1	4.3
22	---	---	5.8	18	e199	9.4	9.0	e168	11	7.6	5.2	e123
23	---	---	5.4	5.3	13	8.5	7.0	18	9.9	e77	5.2	10
24	---	---	e500	5.1	10	7.9	7.3	14	9.8	9.6	9.7	6.0
25	---	---	18	5.3	9.1	7.5	e151	12	9.3	7.4	6.2	5.5
26	---	---	12	5.3	15	8.3	10	11	8.8	e7.2	4.9	5.3
27	---	---	9.8	5.3	20	7.7	8.0	11	8.8	e6.9	4.9	5.4
28	---	---	8.7	5.1	9.5	7.0	7.3	10	47	e6.6	13	5.3
29	---	---	8.1	22	---	6.8	6.9	9.6	13	e6.2	8.4	5.0
30	---	---	7.6	61	---	15	6.7	9.3	e210	e84	12	5.1
31	---	---	9.1	9.8	---	7.0	---	8.9	---	12	5.7	---
TOTAL	---	---	---	285.5	543.0	970.2	468.2	3513.1	1531.7	1217.6	285.6	354.0
MEAN	---	---	---	9.21	19.4	31.3	15.6	113	51.1	39.3	9.21	11.8
MAX	---	---	---	61	199	425	151	1130	474	598	41	123
MIN	---	---	---	5.1	6.1	6.8	6.4	6.5	8.0	6.2	4.9	3.8
MED	---	---	---	6.0	8.1	8.5	7.4	17	11	10	6.8	4.9
AC-FT	---	---	---	566	1080	1920	929	6970	3040	2420	566	702

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2003, BY WATER YEAR (WY)

MEAN	---	---	---	9.21	19.4	31.3	15.6	113	51.1	39.3	9.21	11.8
MAX	---	---	---	9.21	19.4	31.3	15.6	113	51.1	39.3	9.21	11.8
(WY)	---	---	---	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	---	---	---	9.21	19.4	31.3	15.6	113	51.1	39.3	9.21	11.8
(WY)	---	---	---	2003	2003	2003	2003	2003	2003	2003	2003	2003

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40* CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	4.06	3.79	3.84	3.74	3.73	3.83	---	3.83	3.63
2	---	---	---	3.85	3.77	3.77	3.73	3.94	3.84	4.44	3.75	3.65
3	---	---	---	3.91	3.75	3.75	3.72	4.16	4.53	4.09	4.33	---
4	---	---	3.63	3.74	4.02	3.75	3.72	3.76	4.00	4.04	4.22	---
5	---	---	4.38	3.72	3.73	---	4.07	---	3.81	4.18	3.84	3.60
6	---	---	3.74	3.71	4.12	---	4.00	---	4.00	4.03	3.81	3.59
7	---	---	3.68	3.80	4.27	4.13	4.36	4.75	---	3.92	3.97	3.59
8	---	---	3.67	3.71	3.82	3.96	---	4.53	4.04	3.89	3.85	3.59
9	---	---	3.67	3.70	3.77	3.89	4.01	4.05	3.86	3.87	3.78	3.61
10	---	---	4.46	3.72	4.29	3.84	3.90	3.94	3.81	---	3.74	3.62
11	---	---	4.19	3.67	3.81	3.82	3.82	4.15	3.89	---	3.70	3.57
12	---	---	3.81	3.66	3.74	3.80	3.78	3.92	3.92	---	3.74	3.57
13	---	---	4.52	3.66	3.71	3.78	3.76	3.85	---	---	4.01	3.57
14	---	---	3.91	3.66	3.72	3.77	3.75	3.85	4.13	---	3.71	---
15	---	---	3.79	3.65	3.70	4.33	3.74	---	3.91	---	3.69	3.92
16	---	---	3.76	3.75	4.68	3.82	3.74	---	3.85	3.86	3.69	3.68
17	---	---	3.73	3.72	3.98	4.38	4.02	4.34	---	3.82	3.67	---
18	---	---	3.71	3.65	3.79	3.95	3.88	---	---	3.79	3.67	3.62
19	---	---	3.78	3.65	3.75	4.16	3.75	4.41	4.49	3.77	3.66	---
20	---	---	---	3.66	3.74	---	3.74	4.15	4.07	3.79	3.66	3.66
21	---	---	3.77	3.67	3.79	3.97	4.14	4.17	3.96	3.75	3.65	3.61
22	---	---	3.74	4.08	---	3.87	3.85	---	3.93	3.78	3.66	---
23	---	---	3.72	3.66	4.04	3.83	3.75	4.18	3.90	4.80	3.66	3.94
24	---	---	---	3.65	3.91	3.80	3.77	4.05	3.89	3.88	3.82	3.75
25	---	---	4.18	3.66	3.86	3.78	---	3.99	3.87	3.78	3.71	3.72
26	---	---	3.97	3.66	4.02	3.82	3.92	3.96	3.85	---	3.64	3.71
27	---	---	3.89	3.66	4.20	3.79	3.81	3.92	3.84	---	3.64	3.72
28	---	---	3.84	3.65	3.88	3.75	3.77	3.90	4.51	---	3.89	3.71
29	---	---	3.81	4.10	---	3.74	3.75	3.88	4.01	---	3.82	3.69
30	---	---	3.79	4.75	---	4.04	3.74	3.87	---	---	3.87	3.70
31	---	---	3.84	3.89	---	3.75	---	3.85	---	3.98	3.68	---
MEAN	---	---	---	3.78	---	---	---	---	---	---	3.79	---
MAX	---	---	---	4.75	---	---	---	---	---	---	4.33	---
MIN	---	---	---	3.65	---	---	---	---	---	---	3.64	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40* CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	0.08	0.00	0.00	0.00	0.00	0.00	---	0.01	0.00
2	---	---	---	0.14	0.00	0.00	0.00	0.39	0.00	0.02	0.00	0.06
3	---	---	---	0.00	0.00	0.00	0.00	0.11	1.13	0.00	0.86	---
4	---	---	0.04	0.00	0.31	0.02	0.01	0.00	0.12	0.10	0.00	---
5	---	---	0.83	0.00	0.00	1.48	0.30	3.43	0.00	0.01	0.01	0.00
6	---	---	0.01	0.00	0.69	1.26	0.34	1.62	0.53	0.01	0.06	0.00
7	---	---	0.00	0.00	0.02	0.00	---	0.67	0.97	0.00	0.23	0.01
8	---	---	0.00	0.00	0.00	0.00	---	0.01	0.00	0.00	0.01	0.00
9	---	---	0.00	0.02	0.16	0.00	0.18	0.00	0.00	0.00	0.00	0.00
10	---	---	1.16	0.03	0.28	0.00	0.05	0.00	0.00	1.63	0.00	0.00
11	---	---	0.00	0.00	0.00	0.00	0.00	0.29	0.32	---	0.00	0.00
12	---	---	0.01	0.00	0.00	0.00	0.00	0.00	0.16	---	0.12	0.00
13	---	---	0.65	0.00	0.00	0.00	0.00	0.00	0.79	---	0.38	0.00
14	---	---	0.00	0.00	0.05	0.00	0.00	0.02	0.01	---	0.00	1.38
15	---	---	0.00	0.00	0.00	0.59	0.00	1.58	0.00	---	0.00	0.00
16	---	---	0.00	0.12	0.91	0.00	0.00	3.91	0.05	0.07	0.01	0.02
17	---	---	0.00	0.00	0.00	0.65	0.26	0.08	1.88	0.00	0.00	0.01
18	---	---	0.00	0.00	0.00	0.01	0.01	1.89	1.58	0.00	0.00	0.01
19	---	---	0.60	0.00	0.00	0.53	0.00	0.03	0.04	0.04	0.02	0.00
20	---	---	0.01	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.01	0.00
21	---	---	0.00	0.19	0.10	0.00	0.36	0.31	0.00	0.00	0.00	0.01
22	---	---	0.00	0.13	1.56	0.00	0.00	0.95	0.00	0.39	0.00	1.35
23	---	---	0.09	0.00	0.00	0.00	0.00	0.01	0.00	1.10	0.00	0.01
24	---	---	2.29	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.73	0.00
25	---	---	0.00	0.00	0.00	0.00	1.31	0.02	0.00	0.01	0.00	0.00
26	---	---	0.01	0.00	0.34	0.01	0.00	0.01	0.00	---	0.01	0.00
27	---	---	0.00	0.00	0.15	0.00	0.00	0.00	0.06	---	0.00	0.08
28	---	---	0.00	0.00	0.00	0.00	0.00	0.00	1.15	---	0.73	0.00
29	---	---	0.00	0.74	---	0.05	0.00	0.00	0.24	---	0.57	0.00
30	---	---	0.00	0.60	---	0.25	0.00	0.00	---	0.44	0.00	0.16
31	---	---	0.14	0.00	---	0.00	---	0.00	---	0.30	0.00	---
TOTAL	---	---	---	2.05	4.57	5.15	---	15.33	---	---	3.76	---

APALACHICOLA RIVER BASIN
2003 Water Year

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA

LOCATION.—Lat. 33°47'29", Long. 84°28'28" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130002, on upstream left bank of bridge on GA 280 (James Jackson Parkway), 0.7 miles east of Interstate 285, and 2.0 miles upstream of confluence with the Chattahoochee River.

DRAINAGE AREA.—13.4 square miles.

COOPERATION.—City of Atlanta.

PERIOD OF RECORD.—May 15, 1976 to May 30, 1977, April 10, 2003 to September 30, 2003.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: April 10, 2003 to September 30, 2003.
pH: April 10, 2003 to September 30, 2003.
WATER TEMPERATURE: April 10, 2003 to September 30, 2003.
DISSOLVED OXYGEN: April 10, 2003 to September 30, 2003.
TURBIDITY: April 10, 2003 to September 30, 2003.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records fair, except for specific conductance, turbidity, and dissolved oxygen which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 351 microsiemens, September 22, 2003; minimum recorded, 41 microsiemens, May 16, 2003.
pH: Maximum recorded, 8.6 units, April 21, 2003; minimum recorded, 6.6 units, May 6, 16, 2003.
WATER TEMPERATURE: Maximum recorded, 28.4°C, August 21, 2003; minimum recorded, 9.8°C, April 11, 2003.
DISSOLVED OXYGEN: Maximum recorded, 10.9 mg/L, June 1, 2003; minimum recorded, 2.9 mg/L, August 29, 2003.
TURBIDITY: Maximum recorded, >2,200 NTU, on several days; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---
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28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	333	318	325
2	---	---	---	---	---	---	---	---	---	335	125	305
3	---	---	---	---	---	---	---	---	---	172	106	140
4	---	---	---	---	---	---	---	---	---	221	136	180
5	---	---	---	---	---	---	---	---	---	237	54	182
6	---	---	---	---	---	---	---	---	---	176	48	120
7	---	---	---	---	---	---	---	---	---	215	117	182
8	---	---	---	---	---	---	---	---	---	236	112	180
9	---	---	---	---	---	---	---	---	---	283	236	262
10	---	---	---	---	---	---	---	---	---	307	283	296
11	---	---	---	---	---	---	281	257	269	313	195	277
12	---	---	---	---	---	---	302	281	289	259	194	227
13	---	---	---	---	---	---	313	301	305	297	259	279
14	---	---	---	---	---	---	318	310	313	311	291	303
15	---	---	---	---	---	---	318	311	314	309	56	154
16	---	---	---	---	---	---	321	313	317	180	41	130
17	---	---	---	---	---	---	321	110	280	219	176	196
18	---	---	---	---	---	---	223	116	174	208	42	98
19	---	---	---	---	---	---	271	223	248	208	132	178
20	---	---	---	---	---	---	296	271	286	231	208	221
21	---	---	---	---	---	---	300	105	238	245	218	237
22	---	---	---	---	---	---	235	142	193	218	68	124
23	---	---	---	---	---	---	274	235	256	240	166	208
24	---	---	---	---	---	---	286	243	277	266	240	253
25	---	---	---	---	---	---	257	66	137	275	266	270
26	---	---	---	---	---	---	251	174	215	282	274	278
27	---	---	---	---	---	---	285	251	267	286	279	281
28	---	---	---	---	---	---	304	285	295	289	282	285
29	---	---	---	---	---	---	318	300	309	292	286	289
30	---	---	---	---	---	---	324	312	318	293	288	290
31	---	---	---	---	---	---	---	---	---	296	288	292
MONTH	---	---	---	---	---	---	---	---	---	335	41	227

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	300	291	295	172	57	115	250	218	229	303	265	286
2	302	278	286	258	145	212	271	250	259	308	301	303
3	302	106	166	300	258	280	273	94	191	---	---	---
4	250	176	214	312	251	300	205	92	154	---	---	---
5	287	250	267	301	167	242	273	205	244	302	297	300
6	321	205	278	264	209	240	293	271	287	305	301	303
7	209	50	123	291	260	279	297	148	259	306	301	304
8	206	108	163	305	261	295	279	233	251	307	302	305
9	254	206	234	305	254	298	315	279	298	308	288	300
10	292	250	273	307	65	238	321	313	316	295	271	281
11	309	222	287	216	115	182	316	297	306	304	294	300
12	288	227	261	---	---	---	299	270	290	309	300	305
13	283	42	180	---	---	---	300	189	234	310	301	306
14	188	112	159	---	---	---	250	205	230	311	125	267
15	223	188	208	---	---	---	260	248	252	219	142	191
16	234	223	228	266	227	245	282	260	269	259	219	238
17	---	---	---	299	266	283	292	281	286	276	259	268
18	---	---	---	299	247	290	298	288	291	291	276	284
19	---	---	---	306	292	300	298	286	294	302	290	295
20	---	---	---	309	255	293	304	292	297	308	299	305
21	---	---	---	316	295	306	305	292	300	350	307	333
22	---	---	---	330	270	313	304	291	298	351	55	247
23	---	---	---	270	80	151	308	282	296	214	120	174
24	---	---	---	228	157	198	294	174	269	245	214	228
25	324	249	310	258	228	245	275	259	270	268	245	257
26	324	232	308	---	257	---	288	275	280	281	268	275
27	322	241	311	---	---	---	294	257	298	288	281	284
28	325	76	186	---	---	---	299	181	278	294	281	286
29	218	140	183	---	---	---	244	197	223	294	288	291
30	275	55	184	293	82	175	265	171	226	302	292	295
31	---	---	---	243	176	217	265	179	224	---	---	---
MONTH	---	---	---	---	---	---	321	92	264	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	7.8	7.4	7.5
2	---	---	---	---	---	---	---	---	---	7.8	7.0	7.5
3	---	---	---	---	---	---	---	---	---	7.1	6.9	7.0
4	---	---	---	---	---	---	---	---	---	7.2	6.9	7.1
5	---	---	---	---	---	---	---	---	---	7.4	6.8	7.1
6	---	---	---	---	---	---	---	---	---	7.1	6.6	7.0
7	---	---	---	---	---	---	---	---	---	7.1	6.9	7.0
8	---	---	---	---	---	---	---	---	---	7.0	6.9	7.0
9	---	---	---	---	---	---	---	---	---	7.2	7.0	7.1
10	---	---	---	---	---	---	---	---	---	7.2	7.2	7.2
11	---	---	---	---	---	---	7.6	7.3	7.4	7.3	6.9	7.2
12	---	---	---	---	---	---	7.7	7.3	7.4	7.0	6.9	7.0
13	---	---	---	---	---	---	7.8	7.4	7.4	7.2	7.0	7.2
14	---	---	---	---	---	---	7.9	7.4	7.5	7.3	7.2	7.2
15	---	---	---	---	---	---	7.9	7.4	7.5	7.2	6.7	7.0
16	---	---	---	---	---	---	7.9	7.4	7.5	7.0	6.6	7.0
17	---	---	---	---	---	---	7.8	7.1	7.4	7.2	7.0	7.0
18	---	---	---	---	---	---	7.3	7.1	7.2	7.1	6.7	6.9
19	---	---	---	---	---	---	7.5	7.3	7.4	7.1	6.9	7.0
20	---	---	---	---	---	---	7.6	7.4	7.4	7.2	7.1	7.1
21	---	---	---	---	---	---	8.6	7.0	7.4	7.3	7.1	7.2
22	---	---	---	---	---	---	7.3	7.2	7.3	7.2	7.0	7.0
23	---	---	---	---	---	---	7.5	7.3	7.4	7.2	7.0	7.1
24	---	---	---	---	---	---	7.6	7.4	7.4	7.3	7.2	7.3
25	---	---	---	---	---	---	7.5	7.0	7.3	7.3	7.2	7.3
26	---	---	---	---	---	---	7.4	7.3	7.4	7.4	7.3	7.3
27	---	---	---	---	---	---	7.5	7.4	7.5	7.4	7.3	7.3
28	---	---	---	---	---	---	7.6	7.4	7.5	7.5	7.3	7.4
29	---	---	---	---	---	---	7.6	7.4	7.5	7.6	7.3	7.4
30	---	---	---	---	---	---	7.7	7.4	7.5	7.7	7.3	7.4
31	---	---	---	---	---	---	---	---	---	7.9	7.3	7.5
MAX	---	---	---	---	---	---	---	---	---	7.9	7.4	7.5
MIN	---	---	---	---	---	---	---	---	---	7.0	6.6	6.9

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LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.1	7.3	7.5	7.4	6.9	7.1	7.4	7.2	7.3	7.3	7.0	7.1
2	8.2	7.3	7.5	7.2	7.1	7.2	7.6	7.3	7.4	7.4	7.1	7.2
3	7.4	7.0	7.0	7.3	7.2	7.3	7.5	6.9	7.3	---	---	---
4	7.4	7.0	7.2	7.4	7.3	7.3	7.3	6.9	7.1	7.8	7.3	---
5	7.4	7.2	7.3	7.4	7.1	7.2	7.6	7.3	7.4	7.8	7.3	7.5
6	7.5	7.2	7.3	7.3	7.2	7.2	7.6	7.4	7.5	7.8	7.3	7.5
7	7.2	6.9	7.1	7.4	7.2	7.3	7.7	7.3	7.5	7.8	7.4	7.5
8	7.2	7.0	7.1	7.6	7.3	7.4	7.6	7.3	---	7.9	7.4	7.6
9	7.4	7.2	7.2	7.6	7.3	7.4	7.8	7.5	---	8.0	7.4	7.6
10	7.5	7.2	7.3	7.6	6.9	7.4	7.9	7.5	7.6	8.1	7.4	7.6
11	7.7	7.3	7.4	7.2	7.0	7.1	7.9	7.5	7.6	8.1	7.4	7.6
12	7.6	7.2	7.3	---	---	---	8.0	7.5	---	7.9	7.5	---
13	7.4	6.8	7.2	---	---	---	7.6	7.2	7.4	8.0	7.4	7.6
14	7.2	7.0	7.1	---	---	---	7.5	7.2	---	8.0	7.1	7.5
15	7.4	7.2	7.3	---	---	---	7.7	7.3	7.4	7.1	7.0	7.0
16	7.5	7.3	7.4	7.2	7.0	7.1	7.9	7.4	7.5	7.5	7.1	7.3
17	7.4	6.9	7.1	7.5	7.2	7.3	7.9	7.5	7.6	7.6	7.4	7.5
18	7.1	6.7	7.0	7.7	7.3	7.4	8.0	7.5	7.6	7.6	7.4	7.5
19	7.2	7.0	7.1	7.8	7.3	7.4	8.0	7.5	7.6	7.8	7.5	7.6
20	7.3	7.2	7.2	8.0	7.4	7.5	7.9	7.5	7.6	7.9	7.5	---
21	7.4	7.2	7.3	8.0	7.3	7.5	8.1	7.5	7.6	8.0	7.5	7.6
22	7.5	7.3	7.4	7.8	7.4	7.6	8.0	7.5	7.6	7.8	7.1	7.5
23	7.6	7.4	7.4	7.5	7.0	7.0	7.9	7.5	7.6	7.3	7.2	7.3
24	7.7	7.2	7.4	7.3	7.0	7.2	8.0	7.2	7.5	7.4	7.3	7.4
25	7.8	7.4	7.5	7.5	7.2	7.4	7.7	7.4	7.5	7.5	7.3	7.4
26	7.9	7.4	7.5	7.6	7.4	---	7.7	7.3	7.4	7.6	7.4	7.5
27	7.8	7.4	7.6	---	---	---	7.9	7.3	---	7.7	7.4	7.5
28	7.5	7.0	7.3	---	---	---	7.9	7.2	7.4	7.7	7.4	7.5
29	7.4	7.2	7.3	---	---	---	7.2	7.0	7.0	7.7	7.4	7.5
30	7.5	7.0	7.3	7.5	6.9	7.0	7.3	6.9	7.1	7.7	7.5	7.5
31	---	---	---	7.4	7.1	7.2	7.1	6.8	6.9	---	---	---
MAX	8.2	7.4	7.6	---	---	---	8.1	7.5	---	---	---	---
MIN	7.1	6.7	7.0	---	---	---	7.1	6.8	---	---	---	---

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LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	23.1	18.2	20.4
2	---	---	---	---	---	---	---	---	---	23.4	18.4	20.5
3	---	---	---	---	---	---	---	---	---	19.4	17.4	18.3
4	---	---	---	---	---	---	---	---	---	22.5	16.5	19.2
5	---	---	---	---	---	---	---	---	---	20.7	18.7	19.7
6	---	---	---	---	---	---	---	---	---	19.7	18.2	18.8
7	---	---	---	---	---	---	---	---	---	20.5	18.3	19.2
8	---	---	---	---	---	---	---	---	---	22.4	19.4	20.8
9	---	---	---	---	---	---	---	---	---	23.7	19.7	21.5
10	---	---	---	---	---	---	---	---	---	24.6	20.4	22.2
11	---	---	---	---	---	---	15.6	9.8	12.3	22.4	19.3	21.0
12	---	---	---	---	---	---	18.9	10.5	14.2	22.0	17.5	19.4
13	---	---	---	---	---	---	20.4	12.7	16.1	21.5	16.4	18.8
14	---	---	---	---	---	---	20.4	13.5	16.2	18.8	17.4	17.9
15	---	---	---	---	---	---	20.4	15.0	17.8	20.3	16.8	18.2
16	---	---	---	---	---	---	21.2	15.3	18.1	20.9	18.3	19.4
17	---	---	---	---	---	---	20.0	16.3	18.1	21.9	18.8	20.2
18	---	---	---	---	---	---	22.3	17.8	19.4	20.8	18.9	19.9
19	---	---	---	---	---	---	19.6	16.2	17.8	18.9	16.9	17.7
20	---	---	---	---	---	---	19.1	16.9	17.9	18.8	16.3	17.4
21	---	---	---	---	---	---	19.7	17.0	18.1	18.8	17.7	18.3
22	---	---	---	---	---	---	20.5	15.4	17.5	19.2	18.4	18.9
23	---	---	---	---	---	---	20.4	13.8	16.6	21.5	17.7	19.2
24	---	---	---	---	---	---	17.8	13.6	15.6	22.5	17.7	19.8
25	---	---	---	---	---	---	17.9	14.8	16.3	22.1	17.9	19.9
26	---	---	---	---	---	---	19.7	15.3	17.2	22.5	19.1	20.4
27	---	---	---	---	---	---	21.3	15.0	17.9	22.1	18.0	19.7
28	---	---	---	---	---	---	21.7	16.0	18.5	22.4	17.1	19.4
29	---	---	---	---	---	---	22.7	16.5	19.3	21.9	18.0	19.6
30	---	---	---	---	---	---	22.4	17.8	19.9	22.2	16.8	19.3
31	---	---	---	---	---	---	---	---	---	23.4	18.5	20.6
MONTH	---	---	---	---	---	---	---	---	---	24.6	16.3	19.5

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.2	18.8	20.6	22.3	20.8	21.4	27.4	23.1	24.9	27.0	24.0	25.4
2	22.4	17.3	19.7	23.0	20.9	21.8	27.4	23.8	25.2	26.6	23.5	24.9
3	21.7	19.1	20.6	25.5	20.5	22.8	25.8	23.0	24.5	---	---	---
4	24.6	20.2	21.8	25.9	22.0	23.8	25.9	23.3	24.3	26.5	24.0	25.2
5	24.1	19.0	21.2	24.7	22.7	23.6	26.9	23.4	24.8	25.3	22.5	23.9
6	21.4	19.4	20.6	26.0	22.5	23.9	24.7	22.6	23.9	23.9	22.2	23.2
7	23.4	20.6	22.0	27.0	22.6	24.4	25.7	22.0	23.5	22.4	21.0	21.6
8	25.0	21.7	22.9	27.5	23.1	24.9	26.4	22.5	24.1	23.0	19.7	21.2
9	25.5	20.5	22.7	27.6	23.4	25.2	26.8	22.2	24.2	23.2	19.7	21.4
10	25.9	20.1	22.8	25.2	23.2	24.1	26.4	22.6	24.3	22.8	20.1	21.4
11	26.6	21.9	23.7	25.5	22.3	23.7	25.3	22.3	23.8	22.9	19.8	21.3
12	25.8	22.0	23.4	---	---	---	24.9	21.8	23.3	22.7	19.4	21.0
13	24.0	21.8	22.8	---	---	---	25.8	22.7	24.1	23.0	19.1	21.0
14	24.4	21.6	22.8	---	---	---	27.5	23.2	25.1	23.3	20.4	21.8
15	25.4	21.7	23.4	---	---	---	27.9	23.8	25.7	23.9	21.5	22.4
16	26.6	22.3	24.1	26.7	23.0	24.7	27.5	24.3	25.7	22.9	19.3	21.1
17	24.9	21.9	23.2	27.7	23.2	25.1	27.8	23.6	25.6	22.4	19.4	20.8
18	23.6	22.4	23.0	27.6	23.0	25.0	28.0	24.0	25.9	21.6	18.2	20.0
19	24.3	21.7	22.9	27.6	23.6	25.3	27.9	24.2	26.0	22.1	18.5	20.3
20	25.4	21.6	23.1	28.3	23.5	25.5	26.9	24.5	25.6	22.8	19.4	21.1
21	24.5	19.1	21.5	28.4	23.8	25.8	27.6	23.8	25.6	22.6	20.1	21.5
22	24.4	18.7	21.3	25.3	22.6	24.4	27.3	23.6	25.4	23.4	21.7	22.2
23	25.7	19.9	22.4	25.6	21.8	23.6	27.6	24.0	25.6	22.9	20.1	21.4
24	25.9	20.9	23.1	26.4	21.4	23.6	27.3	23.6	25.3	21.8	18.4	20.2
25	25.9	21.4	23.3	25.7	21.2	23.3	27.6	24.6	25.9	22.2	18.9	20.6
26	25.6	21.7	23.3	26.5	22.2	23.8	27.3	23.7	25.5	22.1	19.1	20.6
27	24.0	21.7	22.8	---	---	---	27.3	24.0	25.9	22.5	19.5	21.0
28	24.4	21.4	22.5	---	---	---	27.2	23.9	25.3	21.4	18.1	19.8
29	25.5	22.0	23.3	27.8	---	---	26.8	23.7	25.0	18.1	15.3	16.5
30	24.8	22.3	22.9	26.0	22.9	24.6	27.5	23.5	25.2	16.9	13.9	15.5
31	---	---	---	26.2	23.3	24.5	27.6	24.3	25.8	---	---	---
MONTH	26.6	17.3	22.5	---	---	---	28.0	21.8	25.0	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	9.9	7.7	8.7
2	---	---	---	---	---	---	---	---	---	9.9	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	9.9	8.1	9.1	---	---	---
12	---	---	---	---	---	---	10.0	7.6	8.8	---	---	---
13	---	---	---	---	---	---	10.0	7.2	8.5	---	---	---
14	---	---	---	---	---	---	10.1	7.0	8.5	---	---	---
15	---	---	---	---	---	---	10.2	6.9	8.3	9.2	7.8	8.4
16	---	---	---	---	---	---	10.4	6.7	8.3	9.0	7.8	8.2
17	---	---	---	---	---	---	10.0	6.5	8.0	8.1	7.6	7.8
18	---	---	---	---	---	---	7.4	6.7	7.1	8.5	7.6	8.1
19	---	---	---	---	---	---	8.9	6.9	7.8	8.5	8.0	8.3
20	---	---	---	---	---	---	8.9	7.2	7.8	8.7	8.1	8.4
21	---	---	---	---	---	---	8.4	7.2	7.8	8.3	8.0	8.2
22	---	---	---	---	---	---	8.7	7.5	8.1	8.5	7.8	8.1
23	---	---	---	---	---	---	9.2	7.8	8.5	8.2	7.6	7.9
24	---	---	---	---	---	---	9.5	8.0	8.7	8.3	7.5	7.9
25	---	---	---	---	---	---	9.7	8.5	9.0	8.3	7.6	7.9
26	---	---	---	---	---	---	9.1	8.3	8.7	8.2	7.6	7.8
27	---	---	---	---	---	---	9.3	8.0	8.7	8.5	7.7	8.1
28	---	---	---	---	---	---	9.0	7.7	8.4	8.8	7.6	8.2
29	---	---	---	---	---	---	9.2	8.0	8.5	9.2	7.5	8.3
30	---	---	---	---	---	---	9.7	8.0	8.8	9.9	7.6	8.6
31	---	---	---	---	---	---	---	---	---	10.4	7.3	8.7
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	10.9	7.4	8.8	---	---	---	8.1	6.9	7.5	7.1	3.7	5.4
2	10.8	7.3	8.8	8.0	7.8	7.9	8.7	7.0	7.7	7.8	4.9	6.0
3	7.9	6.5	7.2	8.2	7.4	7.8	8.2	6.4	7.2	---	---	---
4	8.2	6.2	7.3	8.1	7.3	7.7	7.9	7.2	7.5	---	---	---
5	8.9	7.3	8.0	8.2	7.0	7.5	8.2	7.3	7.7	10.1	5.1	7.4
6	9.3	7.0	8.1	8.1	7.1	7.6	8.6	7.3	7.9	10.3	6.0	7.6
7	8.4	6.5	7.5	8.3	7.1	7.7	9.2	7.3	8.1	10.5	5.9	7.9
8	7.9	7.3	7.6	8.6	7.0	7.7	8.7	7.4	7.9	10.4	6.5	8.0
9	8.5	7.4	7.9	8.8	6.9	7.6	9.1	7.3	8.1	10.5	6.3	7.8
10	8.9	7.4	8.1	8.6	6.9	7.7	9.6	7.3	8.2	10.2	6.0	7.7
11	9.4	7.2	8.1	---	---	---	10.0	7.3	8.3	9.7	5.6	7.1
12	9.2	6.8	7.9	---	---	---	10.3	7.1	8.3	9.3	5.6	7.0
13	8.5	6.8	7.7	---	---	---	8.0	6.6	7.5	9.5	5.0	6.9
14	8.1	7.7	7.8	---	---	---	8.8	6.6	7.5	9.9	5.0	---
15	8.4	7.6	8.0	---	---	---	9.3	6.6	7.7	---	---	---
16	8.7	7.5	8.1	6.6	4.2	5.4	9.6	6.0	7.8	---	---	---
17	8.5	7.5	8.0	7.8	5.6	6.6	9.9	6.5	7.9	---	---	---
18	8.5	7.3	7.9	9.0	6.1	7.2	10.0	6.1	7.8	---	---	---
19	8.2	7.7	8.0	9.6	6.1	7.6	10.2	6.5	7.8	8.8	6.8	7.6
20	8.1	7.6	7.9	9.8	6.5	7.9	9.9	6.5	7.7	---	---	---
21	8.8	7.8	8.3	10.5	6.6	8.0	10.1	6.5	7.9	9.1	6.4	7.5
22	9.2	8.1	8.6	9.9	6.6	7.9	10.0	6.1	7.7	7.9	5.8	6.6
23	9.2	7.9	8.5	8.1	6.8	7.3	9.7	6.1	7.6	---	---	---
24	9.8	7.9	8.7	7.8	6.8	7.3	9.9	5.8	7.3	---	---	---
25	10.5	7.9	9.0	8.6	7.1	7.8	8.2	4.6	6.7	---	---	---
26	10.7	7.7	9.0	---	---	---	9.1	4.6	6.7	---	---	---
27	---	---	---	---	---	---	9.8	5.5	7.1	---	---	---
28	---	---	---	---	---	---	9.4	3.1	6.7	---	---	---
29	---	---	---	9.7	---	---	5.9	2.9	4.4	---	---	---
30	---	---	---	8.1	6.5	7.3	7.3	4.0	5.7	---	---	---
31	---	---	---	8.0	6.9	7.4	4.9	3.1	3.8	---	---	---
MONTH	---	---	---	---	---	---	10.3	2.9	7.3	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	5.1	<5.0	<5.0
2	---	---	---	---	---	---	---	---	---	630	<5.0	<5.0
3	---	---	---	---	---	---	---	---	---	290	30	86
4	---	---	---	---	---	---	---	---	---	53	7.6	17
5	---	---	---	---	---	---	---	---	---	>2200	<5.0	6.8
6	---	---	---	---	---	---	---	---	---	>2200	67	220
7	---	---	---	---	---	---	---	---	---	400	28	68
8	---	---	---	---	---	---	---	---	---	290	22	50
9	---	---	---	---	---	---	---	---	---	23	7.1	10
10	---	---	---	---	---	---	---	---	---	8.9	<5.0	6.2
11	---	---	---	---	---	---	7.5	<5.0	---	340	<5.0	6.2
12	---	---	---	---	---	---	---	---	---	66	8.4	16
13	---	---	---	---	---	---	---	---	---	14	<5.0	<5.0
14	---	---	---	---	---	---	---	---	---	35	<5.0	<5.0
15	---	---	---	---	---	---	---	---	---	>2200	8.3	170
16	---	---	---	---	---	---	---	<5.0	---	>2200	65	280
17	---	---	---	---	---	---	700	<5.0	<5.0	65	21	41
18	---	---	---	---	---	---	330	17	84	>2200	29	280
19	---	---	---	---	---	---	18	<5.0	7.0	150	18	51
20	---	---	---	---	---	---	5.6	<5.0	<5.0	19	9.9	13
21	---	---	---	---	---	---	1100	<5.0	<5.0	53	8.3	11
22	---	---	---	---	---	---	180	24	76	500	37	140
23	---	---	---	---	---	---	26	5.8	13	60	13	23
24	---	---	---	---	---	---	21	<5.0	4.8	92	13	21
25	---	---	---	---	---	---	720	20	100	13	6.9	8.2
26	---	---	---	---	---	---	88	12	22	8.7	5.6	7.0
27	---	---	---	---	---	---	12	<5.0	6.8	10	<5.0	6.0
28	---	---	---	---	---	---	9.5	<5.0	<5.0	8.0	5.3	6.0
29	---	---	---	---	---	---	<5.0	<5.0	<5.0	7.5	<5.0	5.5
30	---	---	---	---	---	---	5.4	<5.0	<5.0	34	<5.0	5.7
31	---	---	---	---	---	---	---	---	---	16	<5.0	<5.0
MAX	---	---	---	---	---	---	---	---	---	2200	67	280
MIN	---	---	---	---	---	---	---	---	---	5.1	5.0	5.0

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334739 LONGITUDE 0842828 NAD27 DRAINAGE AREA 13.40 CONTRIBUTING DRAINAGE AREA DATUM 756.39 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.2	<5.0	<5.0	800	100	180	26	<5.0	10	---	---	---
2	24	<5.0	7.1	160	16	51	7.1	<5.0	<5.0	---	---	---
3	>2200	<5.0	130	17	6.7	9.8	99	<5.0	11	---	---	---
4	130	<5.0	27	69	5.2	6.8	98	7.0	38	---	---	---
5	12	<5.0	5.0	220	11	40	22	<5.0	7.0	---	---	---
6	220	<5.0	5.5	62	<5.0	11	37	<5.0	5.3	---	---	---
7	980	37	140	27	<5.0	<5.0	99	<5.0	6.6	---	---	---
8	140	10	26	15	<5.0	<5.0	84	13	22	---	---	---
9	24	<5.0	7.4	10	<5.0	<5.0	25	6.2	14	---	---	---
10	24	<5.0	<5.0	1800	<5.0	<5.0	16	5.2	9.2	---	---	---
11	140	<5.0	<5.0	200	---	---	12	<5.0	7.7	---	---	---
12	62	5.5	16	---	---	---	25	<5.0	8.6	---	---	---
13	>2200	8.5	66	---	---	---	96	9.1	30	---	---	---
14	170	16	43	---	---	---	20	<5.0	8.6	---	---	---
15	18	5.1	7.6	---	---	---	12	<5.0	6.2	---	---	---
16	72	<5.0	5.4	48	<5.0	7.7	11	<5.0	6.7	---	---	---
17	2000	<5.0	94	<5.0	<5.0	<5.0	9.5	<5.0	5.4	<5.0	<5.0	<5.0
18	>2200	82	210	5.0	<5.0	<5.0	9.2	<5.0	5.4	5.7	<5.0	<5.0
19	230	30	56	7.2	<5.0	<5.0	8.8	<5.0	5.0	6.1	<5.0	<5.0
20	55	6.0	16	14	<5.0	<5.0	7.5	<5.0	5.8	---	---	---
21	9.4	<5.0	5.8	<5.0	<5.0	<5.0	---	---	---	<5.0	<5.0	<5.0
22	22	<5.0	7.0	5.6	<5.0	<5.0	---	---	---	1200	<5.0	<5.0
23	12	<5.0	5.8	1500	5.4	210	7.8	<5.0	<5.0	140	19	45
24	15	<5.0	5.3	100	10	36	850	---	---	54	<5.0	8.1
25	330	<5.0	<5.0	10	<5.0	6.2	390	---	---	<5.0	<5.0	<5.0
26	100	<5.0	<5.0	---	---	---	---	---	---	5.2	<5.0	<5.0
27	160	<5.0	<5.0	---	---	---	---	---	---	13	<5.0	<5.0
28	2100	<5.0	59	---	---	---	480	---	---	5.7	<5.0	<5.0
29	310	27	70	---	---	---	---	---	---	20	<5.0	<5.0
30	1400	22	31	99	<5.0	42	---	---	---	6.7	<5.0	<5.0
31	---	---	---	86	5.9	26	---	---	---	---	---	---
MAX	2200	82	210	---	---	---	---	---	---	---	---	---
MIN	8.2	5.0	5.0	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

APALACHICOLA RIVER BASIN
2003 Water Year

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA

LOCATION.—Lat 33°47'29", long 84°28'28" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, on upstream left bank of bridge on GA 280 (James Jackson Parkway), 0.7 miles east of Interstate 285, and 2.0 miles upstream of confluence with the Chattahoochee River.

DRAINAGE AREA.—13.4 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—May 15, 1976 to May 30, 1977, April 10, 2003 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analysis with analyzing code 81345 is by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Medium code	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
JUL													
10-10	1541	1631	9	4.08	14	81345	8.0	--	8.2	--	7.6	304	25.1
JUL													
10-10	1542	1632	9	4.08	14	80020	8.0	--	8.2	--	7.6	304	25.1
JUL													
10-10	1646	1801	9	5.36	98	81345	950	--	7.7	--	7.3	130	23.8
JUL													
10-10	1647	1802	9	5.36	98	80020	950	--	7.7	--	7.3	130	23.8
JUL													
10-10	1816	1931	9	7.64	E830	81345	1100	--	7.5	--	7.2	122	24.2
JUL													
10-10	1817	1932	9	7.64	E830	80020	1100	--	7.5	--	7.2	122	24.2
JUL													
10-10	1946	2115	9	8.13	E1000	81345	550	--	8.0	--	6.9	69	23.7
JUL													
10-10	1947	2116	9	8.13	E1000	80020	550	--	8.0	--	6.9	69	23.7
JUL													
15-15	1812	1907	9	4.80	47	81345	45	--	7.5	--	7.4	286	26.5
JUL													
15-15	1813	1908	9	4.80	47	80020	45	--	7.5	--	7.4	286	26.5
JUL													
15-15	1922	2037	9	4.40	25	81345	--	--	6.6	--	7.3	269	26.0
JUL													
15-15	1923	2038	9	4.40	25	80020	--	--	6.6	--	7.3	269	26.0
JUL													
15-15	2052	2207	9	4.14	16	81345	60	--	5.4	--	7.2	249	25.5
JUL													
15-15	2053	2208	9	4.14	16	80020	60	--	5.4	--	7.2	249	25.5
JUL													
15-15	2222	2337	9	4.02	13	81345	35	--	4.7	--	7.2	237	25.0
JUL													
15-15	2223	2338	9	4.02	13	80020	35	--	4.7	--	7.2	237	25.0
JUL													
22-22	2317	2322	9	3.97	12	81345	--	--	7.1	--	7.5	294	24.0
JUL													
22-22	2318	2323	9	3.97	12	80020	--	--	7.1	--	7.5	294	24.0
JUL													
22-22	2345	2350	9	4.01	13	81345	--	--	7.1	--	7.5	274	23.5
JUL													
22-22	2346	2351	9	4.01	13	80020	--	--	7.1	--	7.5	274	23.5
JUL													
23-23	0015	0020	9	4.07	14	81345	--	--	7.1	--	7.5	264	23.5
JUL													
23-23	0016	0021	9	4.07	14	80020	--	--	7.1	--	7.5	264	23.5
JUL													
23-23	0045	0050	9	4.11	15	81345	--	--	7.1	--	7.4	259	23.5
JUL													
23-23	0046	0051	9	4.11	15	80020	--	--	7.1	--	7.4	259	23.5
JUL													
23-23	0115	0120	9	4.25	20	81345	12	--	7.2	--	7.4	234	23.0
JUL													
23-23	0116	0121	9	4.25	20	80020	12	--	7.2	--	7.4	234	23.0
JUL													
23-23	0145	0150	9	4.39	25	81345	40	--	7.2	--	7.4	234	23.0
JUL													
23-23	0146	0151	9	4.39	25	80020	40	--	7.2	--	7.4	234	23.0
JUL													
23-23	0215	0220	9	4.37	24	81345	50	--	7.2	--	7.4	246	23.0
JUL													
23-23	0216	0221	9	4.37	24	80020	50	--	7.2	--	7.4	246	23.0
AUG													
20...	0840	--	9	3.66	5.3	81345	4.8	743	7.1	88	7.6	306	24.5
20...	0841	--	9	3.66	5.3	80020	4.8	743	7.1	88	7.6	306	24.5
20...	0905	--	9	3.65	5.1	81345	12	743	7.0	86	7.6	306	24.5
20...	0906	--	9	3.65	5.1	80020	12	743	7.0	86	7.6	306	24.5

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)
JUL													
10-10	91	44	27.0	5.63	6.04	.7	14.6	24	46.9	<.1	12.2	.2	18.1
JUL													
10-10	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
10-10	40	10	12.4	2.06	4.16	.4	5.46	21	29.8	<.1	4.83	.1	7.78
JUL													
10-10	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
10-10	38	12	12.3	1.76	3.64	.4	5.31	21	25.7	<.1	5.57	.1	6.88
JUL													
10-10	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
10-10	18	5	6.00	.72	3.39	.5	4.48	30	13.2	<.1	5.41	.1	2.76
JUL													
10-10	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15-15	91	20	27.5	5.43	6.15	.8	16.8	27	71.0	<.1	15.8	.3	18.2
JUL													
15-15	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15-15	98	26	30.5	5.37	6.15	.7	16.0	25	72.0	<.1	17.8	.2	19.7
JUL													
15-15	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15-15	90	21	27.9	4.81	5.43	.7	15.3	26	68.8	<.1	17.5	.2	18.6
JUL													
15-15	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15-15	74	11	22.6	4.19	4.88	.8	14.8	29	63.3	<.1	17.5	.2	15.8
JUL													
15-15	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
22-22	99	25	29.7	6.09	5.07	.7	16.1	25	74.8	<.1	15.2	.1	21.2
JUL													
22-22	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
22-22	96	25	28.8	5.83	5.04	.7	15.2	24	71.0	<.1	14.5	.1	20.5
JUL													
22-22	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23-23	82	14	24.3	5.13	4.91	.7	14.9	27	68.4	<.1	14.2	.2	17.9
JUL													
23-23	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23-23	100	34	31.5	5.41	4.78	.6	14.2	22	67.4	<.1	13.9	.2	20.8
JUL													
23-23	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23-23	84	23	25.3	4.95	4.79	.6	12.9	24	60.7	<.1	13.0	.1	19.8
JUL													
23-23	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23-23	76	19	23.1	4.47	4.69	.6	12.0	24	57.3	<.1	11.8	.1	17.7
JUL													
23-23	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
23-23	89	27	26.6	5.31	4.84	.6	13.4	24	62.1	<.1	13.1	.2	19.7
JUL													
23-23	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
20...	97	14	27.7	6.70	5.08	.8	17.9	27	83.1	.1	18.3	.2	21.4
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	97	14	27.5	6.73	4.96	.8	17.5	27	82.4	.1	18.2	.2	21.9
20...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)
JUL 10-10	45.2	163	.22	.01	.008	1.33	1.33d	<.100	--	<.072	.02	1.58	--
JUL 10-10	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 10-10	17.7	76	.10	.06	.047	.75	.750d	<.100	--	<.050	.04	1.08	--
JUL 10-10	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 10-10	14.2	68	.09	.04	.031	.61	.610d	<.100	--	<.016	.02	1.09	--
JUL 10-10	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 10-10	6.2	39	.05	.03	.020	.42	.420d	<.100	.282	.092	.09	.87	--
JUL 10-10	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 15-15	44.6	184	.25	.11	.082	1.37	1.37d	<.100	--	<.012	.03	1.87	--
JUL 15-15	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 15-15	41.9	187	.25	.31	.238	1.23	1.23d	<.100	.052	.017	.04	2.22	--
JUL 15-15	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 15-15	32.9	169	.23	.36	.277	1.12	1.12d	<.100	.006	.002	.03	2.39	--
JUL 15-15	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 15-15	28.8	152	.21	.51	.393	1.11	1.11d	<.100	.018	.006	.03	2.45	--
JUL 15-15	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 22-22	38.0	180	.24	.01	.005	.71	.710d	<.100	.258	.084	.01	.99	4500
JUL 22-22	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 22-22	37.8	174	.24	.00	.000	.75	.750d	<.100	.340	.111	.01	1.05	6000
JUL 22-22	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23-23	35.6	162	.22	.01	.009	.71	.710d	<.100	.129	.042	.02	.95	5800
JUL 23-23	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23-23	34.2	169	.23	.01	.006	.71	.710d	<.100	.080	.026	.02	.91	3100
JUL 23-23	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23-23	30.2	151	.21	.01	.004	.75	.750d	<.100	.175	.057	.02	1.01	11000
JUL 23-23	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23-23	28.7	141	.19	--	<.004	.73	.730d	<.100	.359	.117	.01	1.12	9500
JUL 23-23	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23-23	31.9	156	.21		.003	.81	.810d	<.100	.150	.049	.01	1.13	5400
JUL 23-23	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 20...	40.3	194	.26	.03	.020	.52	--	<.100	--	<.062	M	.78	420
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	40.3	189	.26	.02	.013	.52	--	<.100	--	<.080	.00	.74	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)
JUL													
10-10	--	--	45.7	<100	120	<50	<100	--	--	--	--	--	--
JUL													
10-10	--	--	--	--	--	9	41.0	4	E.02n	<.8	2.4	.43	1.96
JUL													
10-10	--	--	24.4	<100	50	<50	<100	--	--	--	--	--	--
JUL													
10-10	--	--	--	--	--	11	12.5	5	<.04	<.8	2.8	.30	1.02
JUL													
10-10	--	--	24.5	<100	50	<50	<100	--	--	--	--	--	--
JUL													
10-10	--	--	--	--	--	8	13.2	6	E.03n	<.8	3.2	.50	.97
JUL													
10-10	--	--	15.4	<100	20	--	<100	--	--	--	--	--	--
JUL													
10-10	--	--	--	--	--	21	11.6	10	E.04n	<.8	5.3	.71	.77
JUL													
15-15	--	--	48.4	<100	120	<50	<100	--	--	--	--	--	--
JUL													
15-15	--	--	--	--	--	12	9.4	8	.08	<.8	3.3	.47	2.01
JUL													
15-15	--	--	53.9	<100	130	--	<100	--	--	--	--	--	--
JUL													
15-15	--	--	--	--	--	9	.9	9	.08	<.8	4.4	1.61	1.99
JUL													
15-15	--	--	51.4	<100	120	<50	<100	--	--	--	--	--	--
JUL													
15-15	--	--	--	--	--	10	1.4	13	.13	<.8	4.7	1.73	1.90
JUL													
15-15	--	--	47.3	<100	100	<50	<100	--	--	--	--	--	--
JUL													
15-15	--	--	--	--	--	13	3.2	16	.07	<.8	5.3	1.15	1.83
JUL													
22-22	30000	200000	48.8	<100	140	<50	<100	--	--	--	--	--	--
JUL													
22-22	--	--	--	--	--	7	62.9	11	E.03n	<.8	3.0	.42	2.50
JUL													
22-22	15000	242000	48.2	<100	140	<50	<100	--	--	--	--	--	--
JUL													
22-22	--	--	--	--	--	8	48.2	11	E.03n	<.8	2.5	.41	2.18
JUL													
23-23	34000	>242000	45.4	<100	120	<50	<100	--	--	--	--	--	--
JUL													
23-23	--	--	--	--	--	7	41.1	17	E.03n	<.8	2.9	.44	1.99
JUL													
23-23	7200	>242000	50.7	<100	150	<50	<100	--	--	--	--	--	--
JUL													
23-23	--	--	--	--	--	7	44.4	10	E.03n	<.8	2.5	.41	2.13
JUL													
23-23	5000	>242000	46.3	<100	120	<50	<100	--	--	--	--	--	--
JUL													
23-23	--	--	--	--	--	7	34.9	14	E.03n	<.8	2.5	.37	1.76
JUL													
23-23	11500	>242000	41.5	<100	110	<50	<100	--	--	--	--	--	--
JUL													
23-23	--	--	--	--	--	7	25.9	8	E.04n	<.8	2.7	.40	1.72
JUL													
23-23	23000	>242000	48.5	<100	130	<50	<100	--	--	--	--	--	--
JUL													
23-23	--	--	--	--	--	8	32.5	13	E.03n	<.8	2.7	.44	1.97
AUG													
20...	7600	32200	49.6	3660	130	<50	<100	--	--	--	--	--	--
20...	--	--	--	--	--	3	57.3	6	.04	<.8	1.7	.39	2.16
20...	--	--	48.6	<100	130	<50	<100	--	--	--	--	--	--
20...	--	--	--	--	--	3	54.8	9	E.03n	E.4n	1.7	.36	2.10

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	Silver, water, fltrd, ug/L (01075)	Sampler type, code (84164)	Sam-pling method, code (82398)
JUL 10-10	--	4115	50
JUL 10-10	<.20	4115	50
JUL 10-10	--	4115	50
JUL 10-10	<.20	4115	50
JUL 10-10	--	4115	50
JUL 10-10	<.20	4115	50
JUL 10-10	--	4115	50
JUL 10-10	<.20	4115	50
JUL 15-15	--	4115	50
JUL 15-15	<.20	4115	50
JUL 15-15	--	4115	50
JUL 15-15	<.20	4115	50
JUL 15-15	--	4115	50
JUL 15-15	<.20	4115	50
JUL 15-15	--	4115	50
JUL 15-15	<.20	4115	50
JUL 22-22	--	4115	50
JUL 22-22	<.20	4115	50
JUL 22-22	--	4115	50
JUL 22-22	<.20	4115	50
JUL 23-23	--	4115	50
JUL 23-23	<.20	4115	50
JUL 23-23	--	4115	50
JUL 23-23	<.20	4115	50
JUL 23-23	--	4115	50
JUL 23-23	<.20	4115	50
JUL 23-23	--	4115	50
JUL 23-23	<.20	4115	50
JUL 23-23	--	4115	50
JUL 23-23	<.20	4115	50
AUG 20...	--	3044	10
20...	<.20	3044	10
20...	--	3070	70
20...	<.20	3070	70

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	Time	Ending time	Medium code	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Aluminum, suspnd sedimnt total, percent (30221)	Antimony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryllium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)
JUL													
10-10	1543	1633	1	4.08	14	81350	8.0	4.8	2.4	6.5	340	2	.4
JUL													
10-10	1648	1803	1	5.36	98	81350	950	7.6	1.7	6.2	370	3	.4
JUL													
10-10	1818	1933	1	7.64	830	81350	1100	9.1	2.0	6.1	450	2	.7
JUL													
10-10	1948	2117	1	8.13	1000	81350	550	6.0	3.8	8.2	400	2	.9
JUL													
15-15	1814	1909	1	4.80	47	81350	--	4.9	2.5	4.5	260	1	.7
JUL													
15-16	1924	2039	1	4.40	25	81350	--	3.5	3.2	8.3	350	M	.8
JUL													
15-16	2054	0309	1	4.14	16	81350	--	1.1	3.2	8.6	330	M	.4
JUL													
15-16	2224	0339	1	4.02	13	81350	--	.530	3.5	7.2	310	M	.3
AUG													
20...	0842	--	1	3.66	5.3	81350	4.8	--	--	--	--	--	--
20...	0907	--	1	3.65	5.1	81350	12	--	--	--	--	--	--
20...	0910	--	1	3.65	5.1	81350	12	9.3	1.7	17	510	2	3.5

Date	Chromium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Manganese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molybdenum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selenium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Strontium, suspnd sedimnt total, ug/g (35040)
JUL													
10-10	37	8	10	2.0	90	23	440	.13	1	17	M	<.5	590
JUL													
10-10	46	14	44	3.0	91	23	640	.12	2	24	M	<.5	99
JUL													
10-10	35	10	41	2.6	120	31	590	.15	1	40	M	<.5	61
JUL													
10-10	41	11	53	2.6	190	28	530	.19	2	22	M	<.5	84
JUL													
15-15	23	9	53	2.1	52	31	1200	.09	6	20	M	M	370
JUL													
15-16	19	8	55	1.7	89	23	1100	.36	28	14	1	M	410
JUL													
15-16	14	3	39	.740	51	14	420	.33	52	10	2	<.5	570
JUL													
15-16	27	2	36	.470	29	14	280	--o	50	14	2	<.5	550
AUG													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
20...	85	32	91	7.3	140	35	5600	--o	4	68	1	<1	120

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	Thallium, suspnd sedimnt ug/g (49955)	Titanium, suspnd sedimnt total, percent (30317)	Vanadium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Suspended sediment concentration mg/L (80154)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Sampler type, code (84164)	Sampling method, code (82398)
JUL 10-10	<50	.250	71	71	<50	515	--	--	4115	50
JUL 10-10	<50	.300	81	150	<50	1170	--	--	4115	50
JUL 10-10	<50	.360	71	210	<50	2280	--	--	4115	50
JUL 10-10	<50	.270	74	250	<50	777	--	--	4115	50
JUL 15-15	--	.180	45	210	--	204	--	--	4115	50
JUL 15-16	--	.140	35	230	--	140	--	--	4115	50
JUL 15-16	--	.051	15	140	--	113	--	--	4115	50
JUL 15-16	--	.029	10	120	--	105	--	--	4115	50
AUG 20...	--	--	--	--	--	--	3	96	3044	10
20...	--	--	--	--	--	--	5	85	3070	70
20...	<100	.330	100	960	<100	3	--	--	3070	70

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)
AUG 20...	0841	9	80020	3.66	5.3	10	<.5	<.5	<.5	<.5	<2	<1	<5

Date	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)
AUG 20...	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2

Date	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)
AUG 20...	<1	.6	<.5	<.5	<1	<.5	<.5	<2	<1	E.1	<.5	<5	<1

02336526 PROCTOR CREEK AT JACKSON PARKWAY, AT ATLANTA, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
AUG 20...	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)
AUG 20...	<.5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)
AUG 20...	<.5	<.5	<.5	<1.00	3044

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
n -- Below the NDV

Null value qualifier codes used in this report:
o -- Insufficient amount of water

APPALACHICOLA RIVER BASIN
2003 WATER YEAR

02336528 PROCTOR CREEK TRIBUTARY #7 AT WATTS ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°47'28", long 84°29'05" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130002, 0.2 miles northeast of Watts Road, 0.5 miles upstream of Proctor Creek, 0.3 miles east of Interstate 285, and 0.6 miles west of GA 280.

DRAINAGE AREA.—0.13 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 14, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, and dissolved oxygen, are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
AUG													
14...	0900	81345	754	5.4	64	7.4	940	23.0	24.0	190	43.5	18.5	16.7
14...	0900	81350	--	--	--	--	--	--	--	--	--	--	--
14...	0901	80020	754	5.4	63	7.4	940	23.0	24.0	--	--	--	--

Date	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)
AUG													
14...	3	81.5	46	242	3.6	57.4	.3	21.1	4.6	406	.55	4.71	3.65
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Total nitrogen, wat flt by analysis, mg/L (62854)	E coli, Colilert Quantry water, MPN/100 mL (50468)	Fecal coliform, M-FC 0.7u MF col/100 mL (31625)	Total coliform, Colert Quantry MPN/100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Strontium, water, fltrd, ug/L (01080)	Aluminum, water, fltrd, ug/L (01106)
AUG													
14...	1.21	1.36d	.150	<.088	M	6.79	1800	1700	58000	152	<100	280	<50
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	<2

02336528 PROCTOR CREEK TRIBUTARY #7 AT WATTS ROAD, AT ATLANTA, GA—continued.

Date	Manganese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Aluminum, bed sed <62.5um dry svd lab,tot percent (34792)	Antimony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)
AUG													
14...	2890	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	<50	9.4	M	M	770
14...	2130d	6	<.04	<.8	1.5	.10	7.78	<.20	--	--	--	--	--

Date	Beryllium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chromium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Manganese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molybdenum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)	Selenium, bed sed <62.5um dry svd lab,tot ug/g (34952)
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	3	M	56	24	79	5.8	140	46	3500	.10	1	31	.3
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Strontium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titanium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanadium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.5	77	.450	85	300	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	E1.6	<.5	<.5	<.5	<2	<1	<5	<1

Date	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<1	E2	M	<2	<.5	E.1	<.5	<.5	<.5	E.1	M	M	2

Date	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<.5	<.5	M	<1	<.5	<.5	E2	<1	1.3	<.5	E4	<1	M

02336528 PROCTOR CREEK TRIBUTARY #7 AT WATTS ROAD, AT ATLANTA, GA,—continued.

Date	Ethoxy-octyl-phenol, water, fltrd ug/L (61706)	Fluor-anthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isobor-neol, water, fltrd, ug/L (62077)	Iso-phorone water, fltrd, ug/L (34409)	Iso-propyl-benzene water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Meta-laxyl, water, fltrd, ug/L (50359)	Methyl salicy-late, water, fltrd, ug/L (62081)	Metola-chlor, water, fltrd, ug/L (39415)	Naphth-alene, water, fltrd, ug/L (34443)
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	<1	<.5	<.5	<.5	E.1	<.5	M	<.5	<.5	<.5	<.5	<.5	E.1

Date	p-Cresol, water, fltrd, ug/L (62084)	Penta-chloro-phenol, water, fltrd, ug/L (34459)	Phenan-threne, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prome-ton, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetra-chloro-ethene, water, fltrd, ug/L (34476)	Tri-bromo-methane water, fltrd, ug/L (34288)	Tri-butyl phos-phate, water, fltrd, ug/L (62089)	Triclo-san, water, fltrd, ug/L (62090)	Tri-ethyl citrate water, fltrd, ug/L (62091)	Tri-phenyl phos-phate, water, fltrd, ug/L (62092)	Tris(2-butoxy-ethyl) phos-phate, wat flt ug/L (62093)
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
14...	M	<2	<.5	E.4	<.5	<.5	<.5	<.5	.6	<1	<.5	E.1	2.1

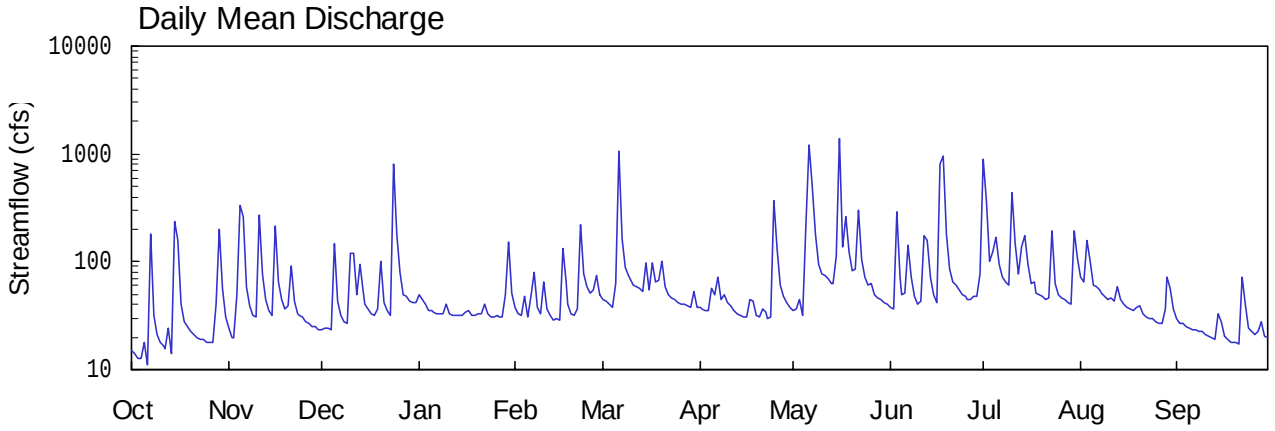
Date	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
AUG					
14...	--	--	--	3070	70
14...	--	--	--	3070	70
14...	E.3	E.1	<1.00	3070	70

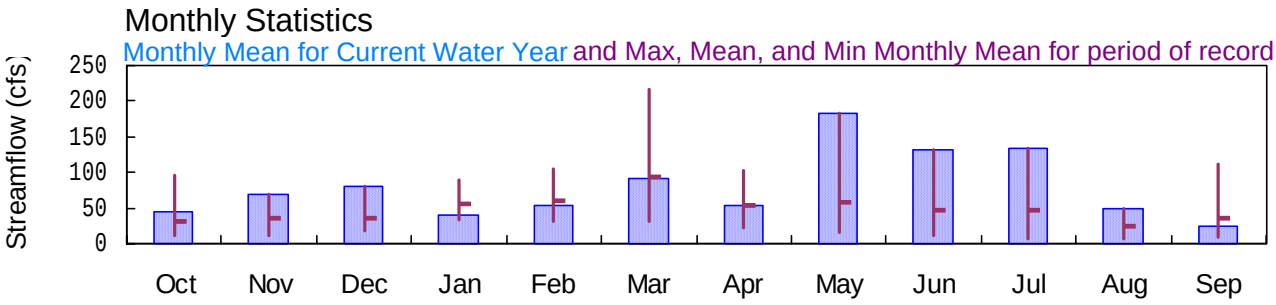
Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified
Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded

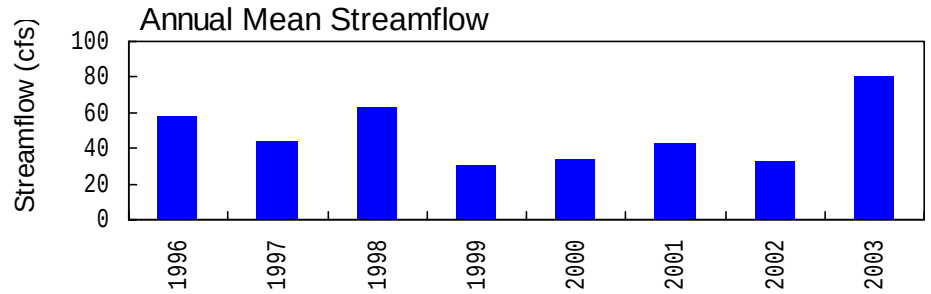
2003 Water Year

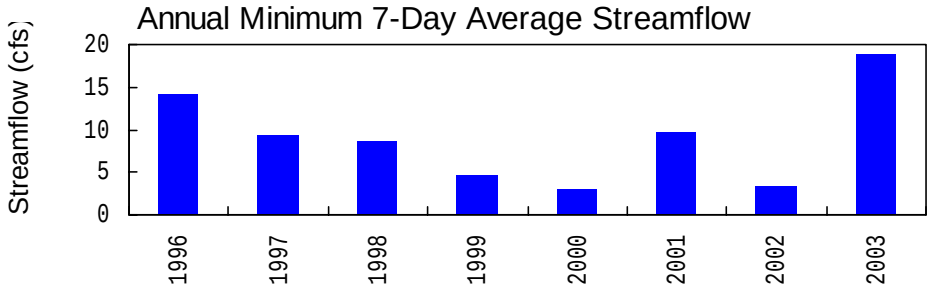
02336635 NICKAJACK CREEK AT US 78/278, NEAR MABLETON, GA

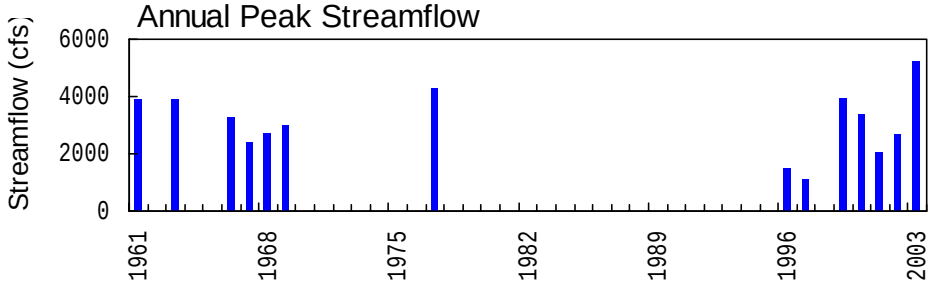
Latitude: 33°48'12" Longitude: 084°31'17" Hydrologic Unit Code: 03130002 Cobb County
Drainage Area: 31.5 mi² Datum: 745.0 feet











APALACHICOLA RIVER BASIN
2003 Water Year

02336635 NICKAJACK CREEK AT US 78 AND 278, NEAR MABLETON, GA

LOCATION.—Lat 33°48'12", long 84°31'17" referenced to North American Datum (NAD) of 1983, Cobb County, Hydrologic Unit 03130002, on the left downstream side of bridge on US 78 and 278, 1.5 miles east of Mableton, and 1.2 miles above mouth.

DRAINAGE AREA.—31.5 square miles.

COOPERATION.—Cobb County Water System.

WATER–DISCHARGE RECORDS

PERIOD OF RECORD.—October 1995 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is about 745.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). Prior to November 11, 1996, gage was located at a site 150.00 feet downstream on right bank at same datum.

REMARKS.—Records fair, except for periods of estimated discharge, which are poor.

WATER–STAGE RECORDS

PERIOD OF RECORD.—October 1995 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is about 745.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). Prior to November 11, 1996, gage was located at a site 150.00 feet downstream on right bank at same datum.

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.65 feet, May 16; minimum gage-height recorded, 2.59 feet, October 6.

PRECIPITATION RECORDS

PERIOD OF RECORD.—December 19, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336635 NICKAJACK CREEK AT US 78/278, NEAR MABLETON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 334812 LONGITUDE 0843117 NAD83 DRAINAGE AREA 31.50 CONTRIBUTING DRAINAGE AREA 31.5* DATUM 745.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	24	23	e50	38	45	37	35	37	e900	73	29
2	14	20	24	e45	33	43	36	36	36	365	64	27
3	13	20	24	e40	32	e40	35	44	294	100	156	26
4	13	50	24	e35	48	e38	35	32	73	125	100	25
5	18	329	146	35	31	64	57	216	50	170	61	24
6	11	260	43	34	48	e1050	50	e1200	52	95	58	24
7	182	58	32	33	79	162	73	e500	143	72	56	23
8	31	40	28	33	38	87	44	182	73	64	52	23
9	21	32	26	33	32	74	49	94	48	61	47	22
10	18	31	120	40	65	65	42	78	41	443	45	21
11	17	276	120	33	36	60	39	75	43	147	46	21
12	15	77	50	32	32	59	35	69	175	76	44	20
13	25	45	96	32	29	56	33	63	156	139	60	19
14	14	35	52	32	30	52	32	62	71	176	45	33
15	238	32	41	32	29	98	31	113	49	94	40	27
16	155	213	36	34	131	55	31	1380	42	62	38	20
17	40	64	33	36	65	97	45	136	799	65	36	19
18	e28	44	32	32	40	64	43	264	962	52	35	18
19	e25	36	36	32	33	66	32	125	180	49	38	18
20	e23	39	103	33	32	102	31	82	86	47	39	18
21	e21	90	41	33	37	58	36	86	e65	45	33	17
22	e20	42	35	40	221	49	34	302	e60	46	31	72
23	e19	33	32	33	77	46	30	105	e55	192	30	40
24	e19	32	e800	31	59	44	31	72	e50	63	29	25
25	18	31	e180	31	50	42	371	61	e48	50	28	22
26	18	28	e80	32	54	41	135	63	45	47	27	21
27	18	27	e50	31	74	40	61	50	44	44	26	23
28	e40	25	47	31	49	39	48	46	48	42	37	28
29	e200	25	43	49	---	38	41	44	48	41	73	20
30	57	24	42	153	---	53	37	41	77	192	58	20
31	31	---	42	50	---	38	---	40	---	108	37	---
TOTAL	1377	2082	2481	1220	1522	2865	1634	5696	3950	4172	1542	745
MEAN	44.4	69.4	80.0	39.4	54.4	92.4	54.5	184	132	135	49.7	24.8
MAX	238	329	800	153	221	1050	371	1380	962	900	156	72
MIN	11	20	23	31	29	38	30	32	36	41	26	17
CFSM	1.41	2.20	2.54	1.25	1.73	2.93	1.73	5.83	4.18	4.27	1.58	0.79
IN.	1.63	2.46	2.93	1.44	1.80	3.38	1.93	6.73	4.66	4.93	1.82	0.88

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

MEAN	30.4	36.6	35.9	56.2	60.9	94.1	53.3	57.2	46.7	45.8	24.7	35.8
MAX	95.5	69.4	80.0	89.1	105	216	103	184	132	135	49.7	112
(WY)	1996	2003	2003	1996	1998	1998	1998	2003	2003	2003	2003	2000
MIN	12.0	11.3	18.2	32.4	31.4	31.6	21.6	16.5	10.7	7.30	6.10	8.39
(WY)	2002	2002	2000	2000	2002	1999	1999	2000	2000	2000	2002	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1996 - 2003	
ANNUAL TOTAL	16491.2		29286			
ANNUAL MEAN	45.2		80.2		48.1	
HIGHEST ANNUAL MEAN					80.2	2003
LOWEST ANNUAL MEAN					30.2	1999
HIGHEST DAILY MEAN	986	May 4	1380	May 16	3320	Mar 8 1998
LOWEST DAILY MEAN	3.0	Sep 12	11	Oct 6	2.3	Aug 19 2000
ANNUAL SEVEN-DAY MINIMUM	3.3	Sep 7	19	Oct 21	2.9	Aug 13 2000
MAXIMUM PEAK FLOW			5220	May 16	5220	May 16 2003
MAXIMUM PEAK STAGE			13.65	May 16	13.65	May 16 2003
ANNUAL RUNOFF (CFSM)	1.43		2.55		1.53	
ANNUAL RUNOFF (INCHES)	19.48		34.59		20.74	
10 PERCENT EXCEEDS	88		149		77	
50 PERCENT EXCEEDS	21		42		26	
90 PERCENT EXCEEDS	6.7		23		10	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336635 NICKAJACK CREEK AT US 78/278, NEAR MABLETON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 334812 LONGITUDE 0843117 NAD83 DRAINAGE AREA 31.50 CONTRIBUTING DRAINAGE AREA 31.5* DATUM 745.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.75	2.94	2.92	---	3.16	3.06	2.96	2.94	2.96	7.10	3.36	2.86
2	3.37	2.86	2.94	---	3.09	3.03	2.95	2.95	2.94	5.26	3.25	2.83
3	2.68	2.85	2.94	---	3.07	---	2.94	3.05	4.86	3.65	3.95	2.82
4	2.68	3.32	2.93	---	3.29	---	2.93	2.89	3.37	3.81	3.64	2.81
5	2.79	4.95	4.13	3.12	3.05	3.17	3.18	4.01	3.12	4.22	3.22	2.80
6	2.62	4.74	3.24	3.11	3.26	8.32	3.11	9.69	3.14	3.60	3.18	2.78
7	4.28	3.42	3.08	3.09	3.64	4.12	3.36	6.36	4.00	3.34	3.15	2.78
8	3.06	3.18	3.01	3.09	3.16	3.51	3.06	4.29	3.36	3.26	3.10	2.78
9	3.55	3.08	2.98	3.09	3.08	3.38	3.11	3.57	3.10	3.21	3.04	2.77
10	2.81	3.05	3.70	3.19	3.49	3.29	3.02	3.42	3.01	4.85	3.00	2.76
11	2.79	4.77	3.99	3.10	3.14	3.24	2.98	3.40	3.03	4.05	3.02	2.74
12	2.75	3.65	3.33	3.08	3.07	3.23	2.93	3.33	3.86	3.40	2.99	2.73
13	2.94	3.26	3.82	3.08	3.02	3.19	2.90	3.27	4.11	3.94	3.19	2.72
14	2.72	3.12	3.36	3.08	3.04	3.15	2.89	3.26	3.35	4.16	3.01	2.91
15	4.36	3.07	3.20	3.08	3.01	3.60	2.88	3.72	3.11	3.57	2.94	2.87
16	4.20	4.71	3.14	3.10	4.04	3.18	2.87	7.61	3.02	3.23	2.92	2.76
17	3.19	3.50	3.10	3.13	3.50	3.57	3.03	3.95	6.97	3.26	2.90	2.73
18	---	3.25	3.07	3.08	3.19	3.28	3.02	4.79	7.14	3.10	2.89	2.71
19	---	3.14	3.12	3.08	3.10	3.30	2.89	3.85	4.37	3.06	2.93	2.71
20	---	3.17	3.84	3.09	3.06	3.63	2.87	3.46	3.61	3.03	2.95	2.71
21	---	3.78	3.21	3.09	3.04	3.21	2.95	3.49	---	3.01	2.87	2.70
22	---	3.23	3.12	3.19	4.49	3.12	2.91	4.91	---	3.03	2.85	3.28
23	---	3.09	3.06	3.09	3.41	3.07	2.85	3.67	---	4.38	2.84	3.08
24	---	3.07	7.08	3.05	3.22	3.05	2.87	3.36	---	3.23	2.83	2.86
25	2.81	3.06	---	3.05	3.13	3.02	5.20	3.24	---	3.08	2.82	2.82
26	3.58	3.01	---	3.06	3.17	3.00	3.90	3.27	3.15	3.03	2.80	2.80
27	2.81	2.98	---	3.06	3.38	3.00	3.24	3.12	3.14	3.00	2.80	2.82
28	---	2.96	3.29	3.06	3.12	2.99	3.11	3.07	3.19	2.97	2.93	2.90
29	---	2.96	3.24	3.29	---	2.97	3.02	3.05	3.19	2.94	3.34	2.77
30	3.41	2.93	3.21	4.27	---	3.15	2.96	3.01	3.46	4.15	3.21	2.77
31	3.06	---	3.22	3.33	---	2.98	---	3.00	---	3.66	2.96	---
MEAN	---	3.37	---	---	3.27	---	3.10	3.90	---	3.66	3.06	2.81
MAX	---	4.95	---	---	4.49	---	5.20	9.69	---	7.10	3.95	3.28
MIN	---	2.85	---	---	3.01	---	2.85	2.89	---	2.94	2.80	2.70

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336635 NICKAJACK CREEK AT US 78/278, NEAR MABLETON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 334812 LONGITUDE 0843117 NAD83 DRAINAGE AREA 31.50 CONTRIBUTING DRAINAGE AREA 31.5* DATUM 745.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	2.71	0.00	0.00
2	0.00	0.00	0.00	---	0.00	0.00	0.00	0.30	0.00	0.01	0.00	0.00
3	0.00	0.34	0.00	0.00	0.00	---	0.00	0.12	1.21	0.00	0.41	0.00
4	0.08	0.15	0.15	0.00	0.37	---	0.01	0.00	0.11	1.09	0.00	0.00
5	0.00	2.80	0.69	0.00	0.00	1.30	0.32	2.85	0.00	0.02	0.03	0.00
6	0.65	0.01	0.00	0.00	0.73	0.99	0.46	1.53	0.33	0.06	0.07	0.00
7	0.50	0.00	0.00	0.00	0.03	0.00	0.37	0.79	0.72	0.00	0.07	0.00
8	0.00	0.01	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.04	0.15	0.00	0.13	0.00	0.00	0.00	0.00	0.00
10	0.04	0.04	1.14	0.03	0.25	0.00	0.05	0.00	0.00	1.69	0.00	0.00
11	0.01	1.06	0.01	0.00	0.00	0.00	0.00	0.25	0.27	0.00	0.01	0.00
12	0.04	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.09	0.00
13	0.25	0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.56	0.78	0.12	0.00
14	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.02	0.01	0.00	0.13	1.57
15	0.99	0.51	0.00	0.00	0.00	0.62	0.00	0.85	0.00	0.00	0.00	0.01
16	0.05	1.16	0.00	0.12	1.08	0.00	0.00	3.33	0.14	0.14	0.00	0.00
17	0.00	0.00	0.00	0.01	0.00	0.55	0.49	0.02	2.17	0.01	0.00	0.00
18	---	0.00	0.00	0.00	0.00	0.02	0.00	0.92	1.14	0.00	0.00	0.00
19	---	0.01	0.70	0.00	0.00	0.28	0.00	0.05	0.07	0.00	0.26	0.00
20	---	0.54	0.03	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.01	0.00
21	---	0.23	0.00	0.19	0.09	0.00	0.23	0.35	---	0.00	0.00	0.02
22	---	0.00	0.01	0.12	1.03	0.00	0.01	0.98	---	0.35	0.00	0.95
23	---	0.00	0.09	0.00	0.00	0.00	0.00	0.00	---	0.82	0.00	0.00
24	---	0.00	2.31	0.00	0.00	0.00	0.34	0.00	---	0.00	0.00	0.00
25	0.04	0.00	0.00	0.00	0.00	0.00	1.26	0.00	---	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.02	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.16	0.01	0.00	0.00	0.06	0.00	0.00	0.06
28	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.08	0.00
29	---	0.00	0.00	0.73	---	0.10	0.00	0.00	0.11	0.00	0.43	0.00
30	0.00	0.00	0.00	0.61	---	0.25	0.00	0.00	0.53	0.58	0.04	0.00
31	0.00	---	0.11	0.00	---	0.00	---	0.00	---	0.43	0.00	---
TOTAL	---	7.01	5.82	---	4.29	---	3.75	12.38	---	8.69	1.75	2.61

APALACHICOLA RIVER BASIN
2003 Water Year

02336635 NICKAJACK CREEK AT US HIGHWAYS 78 AND 278, NEAR MABLETON, GA

LOCATION.--Lat 33°48'11", long 84°31'12", Cobb County, Hydrologic Unit 03130002, at bridge on US Highways 78 and 278, 1.3 miles upstream from confluence with the Chattahoochee River, and 1.6 miles east of Mableton.

DRAINAGE AREA.--31.5 square miles, approximately.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2000 to December 2000, November 2002 to September 2003 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
NOV													
12...	1330	9	80020	3.66	77	10	20	747	8.3	87	7.0	99	16.4
JAN													
21...	1215	9	80020	3.09	33	10	5.5	747	10.5	91	7.2	117	8.2
MAR													
26...	1345	9	80020	3.01	41	10	4.4	745	8.9	95	7.2	112	17.2
MAY													
22...	1645	9	80020	5.83	410	40	130	745	8.6	94	6.6	52	18.7
JUL													
07...	1200	9	80020	3.35	72	10	11	752	7.5	88	6.9	96	22.5
SEP													
17...	1245	9	80020	2.74	20	10	10	743	6.2	69	6.9	115	20.6

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)
NOV													
12...	5.49	9.1	.38	<.04	.58	E.004	<.02	.13	.058	.96	.9	<.1	.9
JAN													
21...	6.77	10.9	E.10	<.04	1.00	<.008	<.02	.04	.013	--	.1	<.1	.1
MAR													
26...	6.20	9.8	.14	<.04	.79	<.008	<.02	.04	.015	.93	.2	<.1	.2
MAY													
22...	2.73	3.3	.46	<.04	.30	E.006	<.02	.12	.094	.76	.9	<.1	.9
JUL													
07...	5.35	9.0	.19	<.04	.61	<.008	<.02	.05	.027	.79	.5	<.1	.5
SEP													
17...	7.13	10.8	.18	<.04	.80	<.008	<.02	.03	.015	.97	.3	<.1	.3

02336635 NICKAJACK CREEK AT US HIGHWAYS 78 AND 278, NEAR MABLETON, GA—continued.

Date	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naph-thol, water, fltrd 0.7u GF ug/L (49295)	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)	3,4-Di-chloro-aniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	Atra-zine, water, fltrd, ug/L (39632)
NOV													
12...	3.4	700	<.09	<.006	<.1	<.005	E.003	<.004	<.004	E.007	<.006	<.004	.013
JAN													
21...	1.1	--	<.09	<.006	<.1	<.005	E.003	<.004	<.004	<.006	<.006	<.004	.009
MAR													
26...	1.5	49	<.09	<.006	<.1	<.005	E.003	<.004	<.004	E.003	<.006	<.004	.014
MAY													
22...	3.9	12000	<.09	<.006	<.1	<.005	E.004	<.004	<.004	<.006	<.006	<.004	.025
JUL													
07...	2.0	270	<.09	<.006	<.1	<.005	E.004n	<.004	<.004	<.006	<.006	<.004	.010
SEP													
17...	1.8	160	<.09	<.006	<.1	<.005	E.005n	<.004	<.004	<.006	<.006	<.004	.007

Date	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	Cyflu-thrin, water, fltrd, ug/L (61585)	Cyper-methrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diaz-inon oxon, water, fltrd, ug/L (61638)	Diazi-non, water, fltrd, ug/L (39572)
NOV													
12...	<.02	<.050	<.010	E.014	<.06	.006	<.006	<.008	<.009	<.003	<.004	--	.024
JAN													
21...	<.02	<.050	<.010	E.005	<.06	<.005	<.006	<.008	<.009	<.003	E.003	<.04	E.004
MAR													
26...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.04	.007
MAY													
22...	<.02	<.050	<.010	E.047	<.06	.007	<.006	<.008	<.009	<.003	<.004	<.01	.050
JUL													
07...	<.02	<.050	<.010	E.031n	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	.018
SEP													
17...	--u	<.050	<.010	E.008t	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	E.003t

Date	Dicro-tophos, water fltrd, ug/L (38454)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)
NOV													
12...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	.008	<.002
JAN													
21...	<.08	E.004	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	E.006	<.002
MAR													
26...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
MAY													
22...	<.08	<.005	<.006	<.03	<.004	<.008	<.12	<.03	<.009	<.005	<.005	E.015	<.002
JUL													
07...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
SEP													
17...	<.08	<.005	<.006	<.03	<.004	<.031	--u	<.03	<.009	<.005	<.005	<.007	<.002

02336635 NICKAJACK CREEK AT US HIGHWAYS 78 AND 278, NEAR MABLETON, GA—continued.

Date	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)
NOV													
12...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
JAN													
21...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	E.005	<.006	<.008
MAR													
26...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	E.002	<.006	<.008
MAY													
22...	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	.008
JUL													
07...	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
SEP													
17...	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)
NOV													
12...	<.022	<.10	<.011	<.06	<.008	E.01	<.005	<.004	.952	<.02	<.07	<.02	<.01
JAN													
21...	<.022	<.10	<.011	<.06	<.008	M	<.005	<.004	.170	.02	<.07	<.02	<.01
MAR													
26...	E.013	<.10	<.011	<.06	<.008	<.01	<.005	<.004	.053	.04	<.07	<.02	<.01
MAY													
22...	.024	<.10	<.011	<.06	<.008	.02	<.005	.006	.019	<.02	<.07	<.02	<.01
JUL													
07...	<.022	<.10	<.011	<.06	<.008	E.01n	<.005	<.004	.013	.02	<.07	<.02	.43
SEP													
17...	<.022	<.10	<.011	<.06	<.008	E.01n	<.005	<.004	.033	.02	<.07	<.02	M

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
NOV						
12...	<.009	<.01	73	26	15.00	3070
JAN						
21...	<.009	<.01	85	7	15.00	3045
MAR						
26...	<.009	<.01	83	7	15.00	3045
MAY						
22...	E.004	<.01	48	373	15.00	3060
JUL						
07...	<.009	<.01	74	15	15.00	3045
SEP						
17...	<.009	<.01	97	4	15.00	3045

02336635 NICKAJACK CREEK AT US HIGHWAYS 78 AND 278, NEAR MABLETON, GA—continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
MAY								
01...	1600	D	5.0	E86	E91.30	.6	1.2	280

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this report:
   n -- Below the NDV
   t -- Below the long-term MDL

Null value qualifier codes used in this report:
   u -- Unable to determine-matrix interference

02336642 SANDY CREEK AT HEDGEWOOD LANE, AT ATLANTA, GA

LOCATION.—Lat 33°45'28", long 84°28'30" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130002, at culvert on Hedgewood Lane, 0.8 miles upstream of Sandy Creek, and 0.1 miles south of Interstate 20.

DRAINAGE AREA.—0.15 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 16, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
JUN													
18...	1235	81345	740	--	6.0	--	6.5	70	23.5	24	4	7.95	.95
18...	1237	81350	--	--	--	--	--	--	--	--	--	--	--
18...	1236	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	1020	81345	10	741	7.1	80	6.7	207	21.5	67	8	20.2	4.01
16...	1021	80020	--	--	--	--	--	--	--	--	--	--	--
16...	1022	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
JUN													
18...	2.93	.1	1.54	11	19.5	.2	1.55	<.02	5.58	6.7	41	.06	.02
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	3.10	.5	9.56	23	59.3	.1	10.2	.1	27.3	21.4	136	.18	.11
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336642 SANDY CREEK AT HEDGEWOOD LANE, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
JUN													
18...	.013	.22	.430d	.210	.006	.002	.02	.52	2800	300000	>242000k	17.8	<100
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	.083	.70	.700d	<.100	--	<.056	.01	.95	150	431	26400	50.6	<100
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
JUN													
18...	40	<50	101	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	12	1.1	8.5
18...	--	41	97.5	10	.07	E.4	2.9	.29	.69	<.20	--	--	--
JUL													
16...	110	<50	560	--	--	--	--	--	--	--	--	--	--
16...	--	<2	536	12	.05	<.8	.8	<.08	1.17	<.20	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	350	3	.6	37	12	37	2.8	110	73	630	.06	2	18
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	M	<.5	67	<50	.370	73	210	<50	260	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	<50	11	M	M

02336642 SANDY CREEK AT HEDGEWOOD LANE, AT ATLANTA, GA—continued.

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	790	3	M	39	11	61	2.7	120	58	580	.26	M	18

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1	<5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M	<5
16...	.3	<.5	110	.360	66	200	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<1	<1	<5	<1	3	E.1	E.2	<.5	<.5	<.5	<.5	<2	<2
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<1	<1	<5	<1	<2	E.1	<.5	<.5	M	<.5	<.5	<2	<2
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	M	<.5	E.1	E.2	<1	M	<.5	<2	<1	E.2	<.5	<5	<1
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<1	.6	M	M	<1	M	<.5	<2	<1	E.1	<.5	<5	<1
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336642 SANDY CREEK AT HEDGEWOOD LANE, AT ATLANTA, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	M	<1	M	<.5	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<.5	M	<2	<.5	.8	<.5	<.5	E.1	<.5	E.1	<1	<.5	E.1
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<.5	M	<2	M	E.2	<.5	M	E1.1	<.5	<.5	<1	<.5	M
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
JUN						
18...	--	--	--	--	3070	10
18...	--	--	--	--	3070	10
18...	E.4	E.1	<.5	<1.00	3070	10
JUL						
16...	--	--	--	--	3070	10
16...	E.2	M	M	<1.00	3070	10
16...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range

APALACHICOLA RIVER BASIN
2003 Water Year

02336643 SANDY CREEK TRIBUTARY AT COLLIER ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°46'08", long 84°30'07" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130002, at culvert on Collier Road, 0.4 miles upstream of Sandy Creek, and 0.2 miles north of Interstate 20.

DRAINAGE AREA.—0.17 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 16, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
JUN													
18...	1130	81345	160	--	7.6	--	6.7	85	21.5	26	7	8.09	1.48
18...	1131	80020	--	--	--	--	--	--	--	--	--	--	--
18...	1132	81350	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	0910	81345	4.9	741	8.1	90	7.0	154	20.5	48	10	13.6	3.28
16...	0912	81350	--	--	--	--	--	--	--	--	--	--	--
16...	0914	80020	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
JUN													
18...	2.85	.2	2.36	15	19.3	<.02	1.91	.2	7.22	8.6	48	.07	.06
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	3.29	.6	9.29	28	38.0	.1	9.57	<.1	23.6	14.2	104	.14	.02
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336643 SANDY CREEK TRIBUTARY AT COLLIER ROAD, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
JUN													
18...	.049	.69	.820d	.130	.052	.017	.03	1.01	10000	225000	>242000k	25.2	120
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	.013	1.03	1.03d	<.100	--	<.020	.01	1.19	4000	2510	19900	35.8	<100
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
JUN													
18...	50	51	<100	--	--	--	--	--	--	--	--	--	--
18...	--	67	34.4	11	E.04	<.8	3.3	.64	.98	<.20	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	12	1.0	7.2
JUL													
16...	70	<50	<100	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	3	89.8	5	E.02n	<.8	.8	<.08	.93	<.20	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	420	4	.8	68	16	49	3.7	100	35	680	.07	2	40
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	M	<.5	51	<50	.560	100	250	<50	86	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	<50	8.9	M	M
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336643 SANDY CREEK TRIBUTARY AT COLLIER ROAD, AT ATLANTA, GA—continued.

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	440	3	M	46	28	42	9.8	66	33	760	.08	1	26
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M	<5
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	.8	<.5	45	.525	92	140	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M	<5

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<1	<1	<5	<1	<2	E.1	<.5	<.5	<.5	<.5	<.5	<2	<2
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<1	<1	<5	<1	<2	<.5	<.5	E.1	<.5	<.5	<.5	<2	<2

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	M	<.5	E.1	M	M	<.5	<.5	<2	<1	E.2	<.5	<5	<1
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<1	<.5	M	M	<1	<.5	<.5	<2	<1	E.2	<.5	<5	<1

02336643 SANDY CREEK TRIBUTARY AT COLLIER ROAD, AT ATLANTA, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	M	<1	<.5	M	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributylphosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<.5	M	<2	<.5	E.3	<.5	<.5	E.1	<.5	<.5	M	<.5	<.5
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<.5	M	<2	<.5	E.4	<.5	<.5	<.5	<.5	<.5	M	<.5	<.5

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
JUN						
18...	--	--	--	--	3070	10
18...	E.5	E.1	<.5	<1.00	3070	10
18...	--	--	--	--	3070	10
JUL						
16...	--	--	--	--	3070	10
16...	--	--	--	--	3070	70
16...	<.5	M	M	<1.00	3070	10

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the NDV

APALACHICOLA RIVER BASIN
2003 Water Year

02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA

LOCATION.—Lat 33°46'46", long 84°29'58" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130002, on the right bank of bridge on Bolton Road, 1.8 miles upstream of the Chattahoochee River, 0.2 miles west of Interstate 285, 0.5 miles south of US 78.

DRAINAGE AREA.—5.15 square miles.

COOPERATION.—City of Atlanta.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1, 2003 to September 30, 2003.

GAGE.—Satellite telemetry with water-stage recorder. Datum of gage is 784.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 10.20 feet, May 1; minimum gage-height recorded, 1.70 feet, April 16.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 1, 2003 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334646 LONGITUDE 0842958 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	1.74	1.73	2.13	3.10	1.85	1.87
2	---	---	---	---	---	---	1.73	1.86	2.19	2.12	1.83	1.85
3	---	---	---	---	---	---	---	1.92	2.55	1.97	2.07	1.85
4	---	---	---	---	---	---	---	1.75	2.20	2.11	1.95	1.87
5	---	---	---	---	---	---	1.86	2.55	1.96	1.98	1.86	1.87
6	---	---	---	---	---	---	1.83	3.58	2.02	1.93	1.87	1.86
7	---	---	---	---	---	---	1.96	2.49	2.59	1.90	1.85	1.86
8	---	---	---	---	---	---	1.76	2.29	2.15	1.89	1.83	1.87
9	---	---	---	---	---	---	1.83	2.11	1.97	1.87	1.82	1.90
10	---	---	---	---	---	---	1.76	2.07	1.90	2.25	1.82	1.90
11	---	---	---	---	---	---	1.74	2.14	1.96	1.99	1.82	1.89
12	---	---	---	---	---	---	1.73	1.99	1.98	1.93	1.85	1.88
13	---	---	---	---	---	---	1.72	1.97	2.43	2.08	1.92	1.90
14	---	---	---	---	---	---	1.72	1.97	2.00	1.98	1.82	2.30
15	---	---	---	---	---	---	1.71	2.66	1.93	1.91	1.81	1.91
16	---	---	---	---	---	---	1.71	3.75	1.91	1.90	1.81	1.83
17	---	---	---	---	---	---	1.87	2.43	2.64	1.90	1.80	1.82
18	---	---	---	---	---	---	1.75	3.23	3.28	1.88	1.79	1.81
19	---	---	---	---	---	---	1.72	2.56	2.22	1.89	1.81	1.81
20	---	---	---	---	---	---	1.72	2.47	2.00	1.87	1.80	1.81
21	---	---	---	---	---	---	1.93	2.43	1.95	1.87	1.80	1.82
22	---	---	---	---	---	---	1.77	2.83	1.93	1.90	1.79	2.20
23	---	---	---	---	---	---	1.74	2.36	1.92	2.27	1.79	1.88
24	---	---	---	---	---	---	1.79	2.21	1.89	1.88	1.90	1.82
25	---	---	---	---	---	---	2.36	2.21	1.88	1.85	1.81	1.82
26	---	---	---	---	---	---	1.81	2.14	1.87	1.86	1.79	1.81
27	---	---	---	---	---	---	1.77	2.10	1.88	1.87	1.79	1.82
28	---	---	---	---	---	---	1.75	2.25	1.97	1.84	2.27	1.82
29	---	---	---	---	---	---	1.74	2.18	1.96	1.83	2.11	1.82
30	---	---	---	---	---	---	1.73	2.20	2.02	2.01	1.89	1.82
31	---	---	---	---	---	---	---	2.08	---	1.95	1.89	---
MEAN	---	---	---	---	---	---	---	2.34	2.11	1.99	1.86	1.88
MAX	---	---	---	---	---	---	---	3.75	3.28	3.10	2.27	2.30
MIN	---	---	---	---	---	---	---	1.73	1.87	1.83	1.79	1.81

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334646 LONGITUDE 0842958 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	0.00	0.00	0.00	2.72	0.00	0.00
2	---	---	---	---	---	---	0.01	0.44	0.00	0.01	0.00	0.00
3	---	---	---	---	---	---	---	0.32	0.97	0.00	0.61	0.00
4	---	---	---	---	---	---	---	0.00	0.14	0.75	0.00	0.00
5	---	---	---	---	---	---	0.31	3.22	0.00	0.03	0.07	0.00
6	---	---	---	---	---	---	0.24	1.67	0.56	0.04	0.07	0.01
7	---	---	---	---	---	---	0.48	0.57	1.14	0.00	0.08	0.00
8	---	---	---	---	---	---	0.04	0.00	0.00	0.00	0.00	0.00
9	---	---	---	---	---	---	0.16	0.00	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	0.06	0.00	0.00	1.46	0.00	0.00
11	---	---	---	---	---	---	0.00	0.34	0.31	0.01	0.00	0.00
12	---	---	---	---	---	---	0.00	0.00	0.21	0.00	0.11	0.00
13	---	---	---	---	---	---	0.00	0.00	0.69	0.92	0.12	0.00
14	---	---	---	---	---	---	0.00	0.03	0.01	0.00	0.00	2.20
15	---	---	---	---	---	---	0.00	1.28	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	0.00	3.52	0.21	0.12	0.00	0.00
17	---	---	---	---	---	---	0.31	0.00	2.14	0.00	0.00	0.00
18	---	---	---	---	---	---	0.00	1.41	2.03	0.00	0.00	0.00
19	---	---	---	---	---	---	0.00	0.08	0.08	0.00	0.16	0.00
20	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	0.65	0.32	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	0.00	0.81	0.00	0.33	0.00	1.45
23	---	---	---	---	---	---	0.01	0.00	0.00	1.26	0.00	0.01
24	---	---	---	---	---	---	0.34	0.00	0.00	0.01	0.08	0.00
25	---	---	---	---	---	---	1.24	0.01	0.00	0.00	0.01	0.00
26	---	---	---	---	---	---	0.01	0.01	0.00	0.00	0.00	0.00
27	---	---	---	---	---	---	0.00	0.00	0.03	0.00	0.03	0.04
28	---	---	---	---	---	---	0.00	0.00	0.38	0.00	1.32	0.00
29	---	---	---	---	---	---	0.00	0.00	0.36	0.00	0.39	0.00
30	---	---	---	---	---	---	0.00	0.00	0.55	0.29	0.00	0.00
31	---	---	---	---	---	---	---	0.00	---	0.39	0.00	---
TOTAL	---	---	---	---	---	---	---	14.03	9.81	8.34	3.05	3.71

APALACHICOLA RIVER BASIN
2003 Water Year

02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA

LOCATION.—Lat 33°46'46", long 84°29'58" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, on the right bank of bridge on Bolton Road, 1.8 miles upstream of the Chattahoochee River, 0.2 miles west of Interstate 285, and 0.5 miles south of US 78.

DRAINAGE AREA.—5.15 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 7, 2000 to December 11, 2000; August 16, 2003 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)
AUG													
21...	0815	9	81345	7.2	742	6.7	80	7.2	170	23.0	49	.0	15.0
21...	0816	9	80020	7.2	742	6.7	80	7.2	170	23.0	--	--	--
21...	0840	9	81345	7.0	742	6.8	82	7.2	170	23.0	48	--	14.6
21...	0841	9	80020	7.0	742	6.8	82	7.2	170	23.0	--	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)
AUG													
21...	2.85	3.10	.6	10.1	29	48.9	<.1	10.4	.3	23.0	13.5	110	.15
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	2.79	2.94	.6	9.49	28	48.6	<.1	10.2	.3	22.4	13.5	108	.15
21...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
AUG													
21...	.17	.132	.41	<.100	.015	.005	M	.83	1500	2000	48700	30.6	<100
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	.13	.098	.40	<.100	--	<.032	M	.75	--	--	--	28.9	<100
21...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Sampler type, code (84164)	Sam-pling method, code (82398)
AUG												
21...	70	<50	270	--	--	--	--	--	--	--	3044	10
21...	--	2	240	3	<.04	<.8	.9	<.08	.91	<.20	3044	10
21...	70	<50	250	--	--	--	--	--	--	--	3070	70
21...	--	3	233	6	<.04	<.8	.8	E.04n	.89	<.20	3070	70

Date	Time	Medium code	Agency ana-lyzing sample, code (00028)	Tur-bidity, water, unfltrd field, NTU (61028)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)
AUG													
21...	0845	1	81350	7.0	9.3	1.0	21	460	3	.4	120	28	79

Date	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)
AUG													
21...	8.6	87	36	--o	4	77	1	<1	77	<100	.360	100	620

Date	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Sampler type, code (84164)	Sam-pling method, code (82398)
AUG				
21...	<100	2	3070	70

Date	Time	Medium code	Agency ana-lyzing sample, code (00028)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)
AUG													
21...	0816	9	80020	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1	<5

02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA—continued.

Date	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)
AUG 21...	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2	<1	<.5	E.1

Date	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)
AUG 21...	<.5	<1	<.5	<.5	<2	<1	E.1	<.5	<5	<1	<.5	<1	<.5

Date	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)
AUG 21...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M	<2

Date	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloroi-Pr) phosphate, wat flt ug/L (62088)
AUG 21...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5	<.5

Date	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
AUG 21...	<1.00	3044	10

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
n -- Below the NDV

Null value qualifier codes used in this report:
o -- Insufficient amount of water

APALACHICOLA RIVER BASIN
2003 Water Year

02336647 SANDY CREEK AT SANDY CREEK ROAD, NEAR ATLANTA, GA

LOCATION.—Lat 33°47'00", long 84°30'47" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, at culvert Sandy Creek Road, 0.9 miles upstream of the Chattahoochee River, and 0.2 miles north of GA 70.

DRAINAGE AREA.—4.94 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 16, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
JUN													
18...	0945	81345	700	--	7.4	--	7.1	60	22.0	17	2	5.41	.86
18...	0945	81350	--	--	--	--	--	--	--	--	--	--	--
18...	0946	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	0755	81345	12	741	6.2	70	6.9	191	21.0	51	--	15.7	2.81
16...	0756	80020	--	--	--	--	--	--	--	--	--	--	--
16...	0757	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
JUN													
18...	2.47	.1	1.21	11	14.6	<.02	1.22	<.02	4.11	5.0	31	.04	.08
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	3.83	.7	11.0	30	51.0	<.1	9.87	.2	23.7	15.5	118	.16	2.14
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336647 SANDY CREEK AT SANDY CREEK ROAD, NEAR ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
JUN													
18...	.063	.33	.440d	.110	.083	.027	.04	.68	25000	43000	>242000k	16.3	140
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	1.66	.48	.480d	<.100	.101	.033	.06	2.64	41000	68000	>242000k	35.4	240
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
JUN													
18...	20	<50	<100	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	6.8	.7	6.0
18...	--	44	15.3	7	E.02n	<.8	3.3	.58	.77	<.20	--	--	--
JUL													
16...	80	<50	440	--	--	--	--	--	--	--	--	--	--
16...	--	6	422	8	E.03n	<.8	1.2	.11	1.07	<.20	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	470	3	.4	39	10	22	2.1	72	25	470	.02	1	17
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	M	<.5	76	<50	.300	60	120	<50	778	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	<50	8.6	M	M

02336647 SANDY CREEK AT SANDY CREEK ROAD, NEAR ATLANTA, GA—continued.

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	720	3	M	27	12	33	2.8	66	31	1500	.05	<1	13

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	<.5	E.1	E.1	E.1	<2	<1	<5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	E.2	<.5	<.5	<.5	3	M	<5
16...	.2	<.5	79	.370	51	150	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<1	<1	E1	<1	<2	<.5	<.5	E.3	M	<.5	E.1	M	<2
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	M	<.5	E.1	M	<1	<.5	<.5	<2	<1	E.2	<.5	<5	<1
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	M	<.5	1.7	E.1	<1	<.5	<.5	E6	<1	.8	<.5	E4	<1
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336647 SANDY CREEK AT SANDY CREEK ROAD, NEAR ATLANTA, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<.5	<1	<.5	<.5	E.1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	M	<1	M	E.1	E.2	<.5	<.5	M	<.5	1.7	<.5	E.1	<.5
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	E.1	<1	<2	E.1	E.4	<.5	<.5	<.5	<.5	<.5	<1	<.5	M
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	E.1	M	<2	M	.7	<.5	M	<.5	<.5	E.1	M	E.1	M
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
JUN						
18...	--	--	--	--	3060	10
18...	--	--	--	--	3070	10
18...	E.4	E.1	E.1	<1.00	3060	10
JUL						
16...	--	--	--	--	3070	10
16...	E.4	M	E.1	<1.00	3070	10
16...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the NDV

APALACHICOLA RIVER BASIN
2003 Water Year

02336654 NORTH FORK UTOY CREEK AT BEECHER ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°44'01", long 84°27'20" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, at culvert on Beecher Road, 1.0 miles west of Cascade Avenue, and 1.1 miles south of GA 139.

DRAINAGE AREA.—3.70 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 16, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
JUN													
18...	0930	81345	160	--	7.1	--	6.6	49	22.5	19	2	5.97	1.02
18...	0930	81350	--	--	--	--	--	--	--	--	--	--	--
18...	0931	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	0835	81345	3.5	740	8.5	96	7.1	165	21.0	57	13	16.2	3.97
16...	0836	80020	--	--	--	--	--	--	--	--	--	--	--
16...	0837	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
JUN													
18...	2.96	.1	.97	8	16.9	<.02	1.04	.1	4.25	3.7	32	.04	.05
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	2.86	.5	7.97	22	43.6	<.1	9.77	<.1	22.0	13.0	107	.15	.08
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336654 NORTH FORK UTOY CREEK AT BEECHER ROAD, AT ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
JUN													
18...	.038	.38	.380d	<.020	.267	.087	.09	.69	39000	72000	>242000k	18.3	240
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	.064	1.11	1.11d	<.100	.015	.005	.02	1.41	1600	1730	61300	50.9	110
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
JUN													
18...	20	94	<100	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	12	2.2	9.0
18...	--	112	19.3	16	.05	E.5	4.2	1.47	.74	<.20	--	--	--
JUL													
16...	70	<50	110	--	--	--	--	--	--	--	--	--	--
16...	--	3	100	5	<.04	<.8	.7	E.04	.96	<.20	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	500	3	1.7	85	19	77	5.3	190	45	970	.10	3	44
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	M	<.5	58	<50	.510	130	400	<50	68	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	<50	8.5	M	M

02336654 NORTH FORK UTOY CREEK AT BEECHER ROAD, AT ATLANTA, GA—continued.

Date	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	790	3	2	68	33	75	6.5	170	31	4000	.16	1	32

Date	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1	<5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M	<5
16...	1.0	<.5	90	.490	120	510	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<1	<1	<5	<1	<2	E.1	<.5	<.5	<.5	<.5	<.5	<2	<2
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<1	<1	<5	<1	<2	<.5	<.5	E.1	M	<.5	M	<2	<2
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	M	<.5	E.1	M	M	<.5	<.5	<2	<1	E.3	<.5	<5	<1
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	M	.6	E.2	E.1	<1	<.5	<.5	<2	<1	E.1	<.5	<5	<1
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336654 NORTH FORK UTOY CREEK AT BEECHER ROAD, AT ATLANTA, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<.5	<1	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	E.1	<1	M	M	M	E.2	<.5	<.5	<.5	<.5	<.5	<.5	<.5
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributylphosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenylphosphate, water, fltrd, ug/L (62092)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<.5	<1	<2	M	E.5	<.5	M	<.5	<.5	E.1	<1	<.5	E.1
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<.5	M	<2	M	E.3	<.5	M	<.5	<.5	<.5	M	<.5	M
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
JUN						
18...	--	--	--	--	3060	10
18...	--	--	--	--	3070	10
18...	.6	E.1	E.1	<1.00	3060	10
JUL						
16...	--	--	--	--	3070	10
16...	E.2	<.5	<.5	<1.00	3070	10
16...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range

APALACHICOLA RIVER BASIN
2003 Water Year

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA

LOCATION.—Lat 33°44'20", long 84°28'45" referenced to North American Datum (NAD) of 1927, Hydrologic Unit 03070102, Fulton County, on upstream right bank at bridge on Peyton Road, 1.2 miles east of Interstate 285, and 3.0 miles upstream of confluence with South Utoy Creek.

DRAINAGE AREA.—6.38 square miles.

COOPERATION.—City of Atlanta.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 9, 2003 to September 30, 2003.

GAGE.—Satellite telemetry with water-stage recorder and continuous water-quality monitor. Datum of gage is 832.50 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.29 feet, May 6; minimum gage-height recorded, 5.41 feet, September 29, 30.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 9, 2003 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38* CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	5.50	5.58	7.13	5.60	---
2	---	---	---	---	---	---	---	5.59	5.57	5.99	5.56	---
3	---	---	---	---	---	---	---	5.74	5.87	5.77	5.72	---
4	---	---	---	---	---	---	---	5.54	5.69	5.88	5.77	5.76
5	---	---	---	---	---	---	---	6.20	5.58	5.87	5.57	5.75
6	---	---	---	---	---	---	---	7.87	5.65	5.76	5.59	5.74
7	---	---	---	---	---	---	---	6.21	6.15	5.68	5.57	5.75
8	---	---	---	---	---	---	---	6.10	5.76	5.65	5.54	5.75
9	---	---	---	---	---	---	5.70	5.78	5.70	5.63	5.53	5.76
10	---	---	---	---	---	---	5.65	5.70	5.63	6.08	5.52	5.72
11	---	---	---	---	---	---	5.59	5.77	5.61	5.94	5.52	5.72
12	---	---	---	---	---	---	5.56	5.66	5.69	5.70	5.59	5.70
13	---	---	---	---	---	---	5.55	5.62	6.22	5.74	5.76	5.70
14	---	---	---	---	---	---	5.54	5.62	5.74	5.67	5.55	6.12
15	---	---	---	---	---	---	5.53	6.48	5.63	5.63	5.52	5.72
16	---	---	---	---	---	---	5.52	6.60	5.59	5.62	5.52	5.57
17	---	---	---	---	---	---	5.64	5.89	5.98	5.61	5.51	5.55
18	---	---	---	---	---	---	5.58	6.99	7.13	5.59	5.51	5.54
19	---	---	---	---	---	---	5.53	5.95	6.11	5.59	5.50	5.55
20	---	---	---	---	---	---	5.52	5.79	5.79	5.58	5.50	5.54
21	---	---	---	---	---	---	5.53	5.85	5.69	5.57	5.49	5.54
22	---	---	---	---	---	---	5.52	6.64	5.65	5.63	5.49	6.09
23	---	---	---	---	---	---	5.50	5.86	5.62	6.04	5.48	5.61
24	---	---	---	---	---	---	5.52	5.75	5.60	5.61	5.68	5.47
25	---	---	---	---	---	---	6.24	5.70	5.58	5.57	5.62	5.45
26	---	---	---	---	---	---	5.60	5.68	5.57	5.56	---	5.44
27	---	---	---	---	---	---	5.54	5.64	5.64	5.55	---	5.43
28	---	---	---	---	---	---	5.53	5.62	5.87	5.55	---	5.43
29	---	---	---	---	---	---	5.52	5.61	5.58	5.54	---	5.42
30	---	---	---	---	---	---	5.51	5.60	5.83	5.98	---	5.42
31	---	---	---	---	---	---	---	5.60	---	5.67	---	---
MEAN	---	---	---	---	---	---	---	5.94	5.78	5.75	---	---
MAX	---	---	---	---	---	---	---	7.87	7.13	7.13	---	---
MIN	---	---	---	---	---	---	---	5.50	5.57	5.54	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38* CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	0.00	0.00	1.93	0.00	---
2	---	---	---	---	---	---	---	0.24	0.00	0.01	0.00	---
3	---	---	---	---	---	---	---	0.15	0.83	0.00	0.58	---
4	---	---	---	---	---	---	---	0.00	0.09	0.65	0.00	0.00
5	---	---	---	---	---	---	---	2.51	0.00	0.26	0.03	0.00
6	---	---	---	---	---	---	---	1.67	0.35	0.04	0.10	0.00
7	---	---	---	---	---	---	---	0.57	1.15	0.01	0.00	0.00
8	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
9	---	---	---	---	---	---	---	0.00	0.00	0.01	0.00	0.00
10	---	---	---	---	---	---	0.03	0.00	0.01	0.67	0.00	0.00
11	---	---	---	---	---	---	0.00	0.24	0.15	0.10	0.00	0.00
12	---	---	---	---	---	---	0.00	---	0.22	0.00	0.16	0.00
13	---	---	---	---	---	---	0.00	---	1.73	0.26	0.25	0.00
14	---	---	---	---	---	---	0.00	---	0.00	0.01	0.00	1.35
15	---	---	---	---	---	---	0.00	---	0.00	0.01	0.00	0.00
16	---	---	---	---	---	---	0.00	---	0.12	0.03	0.00	0.00
17	---	---	---	---	---	---	0.32	0.05	1.07	0.00	0.00	0.00
18	---	---	---	---	---	---	0.00	1.48	2.06	0.00	0.00	0.00
19	---	---	---	---	---	---	0.00	0.03	0.41	0.00	0.00	0.00
20	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	0.00	0.27	0.00	0.00	0.00	0.01
22	---	---	---	---	---	---	0.00	0.82	0.00	0.15	0.00	1.13
23	---	---	---	---	---	---	0.00	0.00	0.00	0.62	0.00	0.00
24	---	---	---	---	---	---	0.29	0.00	0.00	0.00	0.80	0.00
25	---	---	---	---	---	---	0.59	0.00	0.00	0.00	0.02	0.00
26	---	---	---	---	---	---	0.05	0.00	0.00	0.00	0.00	0.00
27	---	---	---	---	---	---	0.04	0.00	0.61	0.00	---	0.01
28	---	---	---	---	---	---	0.04	0.00	0.48	0.00	---	0.00
29	---	---	---	---	---	---	0.03	0.00	0.00	0.00	---	0.00
30	---	---	---	---	---	---	0.00	0.00	0.28	0.89	---	0.00
31	---	---	---	---	---	---	---	0.00	---	0.14	---	---
TOTAL	---	---	---	---	---	---	---	---	9.56	5.79	---	---

APALACHICOLA RIVER BASIN
2003 Water Year

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA

LOCATION.—Lat. 33°44'20", Long. 84°28'45" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03070102, upstream side bridge on Peyton Road, 1.2 miles east of Interstate 285, and 3.0 miles upstream of confluence with South Utoy Creek.

DRAINAGE AREA.—6.38 square miles.

COOPERATION.—City of Atlanta.

PERIOD OF RECORD.—June 3, 2003 to September 30, 2003.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: June 3, 2003 to September 30, 2003.
pH: June 3, 2003 to September 30, 2003.
WATER TEMPERATURE: June 3, 2003 to September 30, 2003.
DISSOLVED OXYGEN: June 3, 2003 to September 30, 2003.
TURBIDITY: June 3, 2003 to September 30, 2003.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good, except for turbidity and dissolved oxygen which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 157 microsiemens, July 29, 2003; minimum recorded, 26 microsiemens, June 13, 2003.
pH: Maximum recorded, 7.4 units, July 17-21, 2003; minimum recorded, 6.5 units, June 13, 18, 2003.
WATER TEMPERATURE: Maximum recorded, 26.4.9°C, August 24, 25, 2003; minimum recorded, 13.7°C, September 30, 2003.
DISSOLVED OXYGEN: Maximum recorded, 10.9 mg/L, September 30, 2003; minimum recorded, 5.4 mg/L, August 13, 2003.
TURBIDITY: Maximum recorded, >2,200 NTU, June 13, 2003; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
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MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
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MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	92	34	62	140	112	123	---	---	---
2	---	---	---	123	84	107	150	140	145	---	---	---
3	---	---	---	134	123	130	149	93	136	---	---	---
4	141	94	117	139	60	124	122	65	92	126	124	125
5	146	122	138	133	70	107	140	122	135	127	123	125
6	147	111	142	139	96	119	139	134	137	126	123	125
7	125	43	78	148	139	145	140	125	133	126	123	124
8	134	104	118	151	147	149	142	137	139	125	122	124
9	141	134	138	151	149	150	142	140	141	127	122	124
10	---	---	---	150	33	124	144	140	142	127	123	125
11	---	---	---	112	56	74	146	138	142	125	121	123
12	150	94	125	128	81	111	148	135	141	125	123	124
13	118	26	79	127	105	115	145	57	92	125	122	124
14	123	71	104	132	120	127	135	92	118	125	61	110
15	132	123	129	136	128	133	138	133	136	113	75	96
16	137	132	134	140	135	137	134	130	132	138	113	128
17	133	48	84	142	138	140	134	131	132	140	138	139
18	118	25	60	145	139	142	135	130	132	140	139	140
19	123	68	94	146	143	144	136	131	133	141	139	140
20	141	90	126	149	144	146	136	131	133	142	140	141
21	148	141	144	150	145	147	136	131	133	142	139	140
22	148	145	147	145	130	136	136	131	133	142	32	110
23	150	146	148	133	36	79	137	131	134	100	62	85
24	149	147	148	129	73	105	136	86	122	124	100	113
25	150	146	148	141	129	136	117	92	104	126	124	125
26	152	147	148	145	140	142	---	---	---	127	125	126
27	151	123	146	148	141	144	---	---	---	130	127	128
28	131	39	80	152	146	148	---	---	---	130	129	129
29	128	91	116	157	150	153	---	---	---	130	127	128
30	142	37	109	155	53	95	---	---	---	130	128	129
31	---	---	---	141	93	119	---	---	---	---	---	---
MONTH	---	---	---	157	33	125	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
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MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	7.0	6.7	6.8	7.0	6.8	6.9	---	---	---
2	---	---	---	7.0	6.8	7.0	7.1	7.0	7.0	---	---	---
3	---	---	---	7.0	7.0	7.0	7.2	6.8	7.0	---	---	---
4	7.1	6.8	6.9	7.1	6.8	7.0	7.0	6.8	6.9	7.1	6.9	7.0
5	7.1	6.9	7.0	7.1	6.7	6.9	7.1	7.0	7.1	7.1	7.0	7.0
6	7.2	7.0	7.1	7.1	6.8	7.0	7.2	7.1	7.1	7.1	7.0	7.0
7	7.0	6.8	6.9	7.1	7.0	7.0	7.1	7.0	7.1	7.2	7.0	7.0
8	7.0	6.9	7.0	7.1	7.0	7.1	7.2	7.1	7.1	7.2	7.0	7.0
9	7.1	7.0	7.0	7.3	7.1	7.2	7.2	7.1	7.1	7.2	7.0	7.1
10	---	---	---	7.2	6.7	7.2	7.3	7.1	7.1	7.2	7.0	7.0
11	---	---	---	7.1	6.8	6.9	7.3	7.1	7.1	7.2	7.0	7.0
12	7.2	6.8	7.0	7.1	6.9	7.1	7.3	7.1	7.2	7.2	7.0	7.0
13	7.1	6.5	6.8	7.2	6.9	7.1	7.1	6.7	6.8	7.2	7.0	7.1
14	6.9	6.7	6.8	7.2	7.0	7.1	7.0	6.8	7.0	7.2	6.6	7.0
15	7.0	6.9	7.0	7.2	7.1	7.2	7.2	7.0	7.1	6.8	6.6	6.7
16	7.1	7.0	7.1	7.2	7.2	7.2	7.2	7.1	7.1	7.0	6.8	7.0
17	7.1	6.8	6.9	7.4	7.2	7.3	7.2	7.1	7.1	7.1	7.0	7.1
18	7.1	6.5	6.9	7.4	7.3	7.3	7.3	7.1	7.1	7.2	7.1	7.1
19	7.1	6.7	6.8	7.4	7.3	7.3	7.3	7.1	7.1	7.2	7.1	7.1
20	7.0	6.8	7.0	7.4	7.3	7.3	7.3	7.1	7.1	7.2	7.1	7.1
21	7.1	7.0	7.0	7.4	7.2	7.3	7.3	7.1	7.1	7.3	7.1	7.2
22	7.2	7.0	7.1	7.3	6.9	7.2	7.3	7.1	7.1	7.2	6.7	7.1
23	7.2	7.2	7.2	7.1	6.7	6.8	7.3	7.0	7.1	6.9	6.8	6.8
24	7.2	7.2	7.2	7.0	6.7	6.9	7.3	6.6	7.1	7.1	6.9	7.0
25	7.2	7.2	7.2	7.1	7.0	7.0	6.9	6.6	6.8	7.1	7.1	7.1
26	7.2	7.1	7.2	7.1	7.0	7.1	---	---	---	7.2	7.1	7.1
27	7.2	7.0	7.1	7.2	7.0	7.1	---	---	---	7.2	7.1	7.1
28	7.0	6.6	6.8	7.2	7.1	7.1	---	---	---	7.2	7.1	7.1
29	7.1	6.9	7.0	7.2	7.1	7.1	---	---	---	7.2	7.1	7.1
30	7.2	6.7	7.1	7.1	6.5	6.7	---	---	---	7.2	7.1	7.1
31	---	---	---	7.1	6.8	6.9	---	---	---	---	---	---
MAX	---	---	---	7.4	7.3	7.3	---	---	---	---	---	---
MIN	---	---	---	7.0	6.5	6.7	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
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MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
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U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	21.9	20.5	21.1	24.7	22.5	23.4	---	---	---
2	---	---	---	21.5	20.3	20.9	25.1	22.8	23.7	---	---	---
3	---	---	---	22.5	20.0	21.3	23.7	22.7	23.2	---	---	---
4	22.4	19.4	20.7	24.2	21.2	22.5	24.4	22.9	23.5	25.1	23.0	23.9
5	21.7	18.7	20.1	23.9	21.9	22.6	24.9	22.7	23.6	24.1	21.9	23.0
6	20.7	18.7	19.4	23.3	21.7	22.3	23.5	21.9	22.9	22.7	21.4	22.3
7	22.5	19.9	21.1	23.5	21.6	22.5	23.7	21.5	22.4	21.4	20.4	20.9
8	23.0	20.9	21.6	24.7	21.9	23.1	24.3	21.6	22.7	22.1	19.4	20.7
9	22.9	19.9	21.2	25.1	22.4	23.5	24.6	21.3	22.8	22.1	19.2	20.6
10	---	---	---	23.8	22.6	23.0	24.6	21.7	23.0	21.7	19.7	20.7
11	---	---	---	24.7	21.8	23.1	24.3	21.7	22.7	22.1	19.4	20.7
12	24.0	20.9	22.0	24.3	21.9	23.1	23.5	21.2	22.3	21.9	19.0	20.3
13	23.5	21.5	22.2	24.5	21.3	22.8	24.5	22.2	23.2	21.8	18.7	20.3
14	22.8	21.0	21.7	23.6	21.9	22.6	25.2	22.7	23.8	23.1	19.8	21.1
15	23.1	21.0	21.9	24.1	21.6	22.7	25.7	22.9	24.1	23.0	20.5	21.8
16	24.0	21.4	22.4	24.5	21.9	23.0	25.1	23.2	24.0	21.6	19.0	20.4
17	23.5	21.1	22.4	24.9	22.1	23.2	25.6	22.7	24.0	21.7	19.1	20.3
18	22.9	21.9	22.5	25.1	22.1	23.4	25.7	23.1	24.2	21.2	18.1	19.6
19	24.4	20.9	22.3	25.1	22.7	23.6	25.7	23.1	24.3	21.1	17.9	19.6
20	23.3	21.1	22.1	25.3	22.5	23.7	25.3	23.4	24.1	21.6	18.8	20.2
21	21.9	18.8	20.4	25.8	22.7	24.0	25.6	23.0	24.1	21.8	19.5	20.7
22	21.8	18.4	20.0	24.2	22.4	23.1	25.6	22.7	24.0	22.9	20.9	21.5
23	22.2	19.3	20.7	23.6	21.5	22.7	25.9	23.0	24.3	22.1	19.8	21.0
24	23.5	20.2	21.6	24.1	21.2	22.5	26.4	22.8	24.5	20.9	18.2	19.7
25	23.7	20.6	21.9	23.8	20.6	22.1	26.4	24.2	25.1	20.8	18.5	19.7
26	23.4	20.8	22.0	24.7	21.7	22.9	---	---	---	20.9	18.5	19.8
27	22.6	20.8	21.6	24.8	21.6	23.0	---	---	---	21.6	18.9	20.2
28	22.7	20.7	21.7	25.0	22.2	23.4	---	---	---	20.5	17.6	19.4
29	23.8	21.3	22.2	25.5	22.6	23.8	---	---	---	17.6	15.2	16.5
30	23.2	21.5	22.1	24.2	22.1	23.4	---	---	---	16.8	13.7	15.3
31	---	---	---	25.2	22.7	23.5	---	---	---	---	---	---
MONTH	---	---	---	25.8	20.0	22.9	---	---	---	---	---	---

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LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
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MONTH	---	---	---	---	---	---	---	---	---	---	---	---

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LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
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22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	8.8	7.3	8.2	7.3	6.4	6.9	---	---	---
2	---	---	---	8.2	7.9	8.0	8.0	7.2	7.5	---	---	---
3	---	---	---	8.2	7.8	8.0	8.4	6.7	7.6	9.1	7.3	---
4	7.6	7.0	7.3	8.3	6.6	7.8	7.5	7.0	7.2	9.3	7.2	8.0
5	8.2	7.2	7.8	7.9	6.5	7.3	7.7	7.1	7.4	9.5	7.4	8.2
6	8.4	7.4	8.0	7.6	6.8	7.3	7.9	7.1	7.5	9.5	7.6	8.4
7	8.2	7.1	7.6	7.8	7.5	7.7	8.1	7.3	7.6	10.0	7.8	8.7
8	7.6	7.1	7.5	8.1	7.2	7.7	8.5	7.4	7.8	10.2	8.0	9.0
9	7.9	7.5	7.7	8.5	7.0	7.7	8.7	7.5	8.0	10.4	7.6	9.0
10	---	---	---	8.3	5.7	7.6	9.0	7.4	8.0	10.3	7.9	8.9
11	---	---	---	---	---	---	9.1	7.4	8.0	10.3	8.0	8.9
12	7.8	6.4	7.2	---	---	---	9.3	7.3	8.2	9.9	7.6	8.7
13	8.4	6.4	7.2	---	---	---	7.8	5.4	6.7	10.0	7.8	8.8
14	7.7	7.4	7.6	---	---	---	7.6	6.7	7.2	9.8	7.5	8.5
15	7.7	7.0	7.6	---	---	---	8.2	7.1	7.6	7.5	6.1	6.5
16	7.8	7.4	7.6	---	---	---	8.4	7.2	7.7	7.7	6.7	7.3
17	8.3	7.3	7.8	---	---	---	8.7	6.9	7.8	8.1	7.3	7.7
18	8.5	7.3	8.1	---	---	---	9.3	7.1	8.2	8.6	7.7	8.1
19	8.1	6.7	7.6	---	---	---	9.5	7.5	8.2	9.0	7.8	8.3
20	7.8	6.9	7.6	---	---	---	9.5	7.5	8.2	9.2	7.9	8.4
21	8.4	7.7	8.1	---	---	---	9.7	7.6	8.4	9.4	7.6	8.4
22	8.5	8.0	8.3	---	---	---	9.6	7.2	8.4	8.6	7.5	7.9
23	8.3	7.9	8.1	7.9	6.1	7.1	9.8	7.2	8.3	8.0	7.6	7.8
24	8.3	7.8	8.0	7.5	6.6	7.2	9.8	5.5	7.9	8.9	8.0	8.5
25	9.0	7.9	8.4	8.0	7.4	7.7	7.1	5.7	6.4	9.1	8.4	8.7
26	9.1	7.7	8.3	8.0	7.3	7.6	---	---	---	9.4	8.4	8.8
27	8.9	7.1	8.1	8.1	6.9	7.5	---	---	---	9.4	8.1	8.7
28	7.9	5.5	7.0	8.4	7.2	7.7	---	---	---	9.4	8.1	8.8
29	7.8	7.1	7.5	8.5	7.1	7.6	---	---	---	10.4	8.8	9.7
30	8.2	7.1	7.7	8.3	6.6	7.2	---	---	---	10.9	9.7	10.2
31	---	---	---	7.7	6.8	7.3	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334420 LONGITUDE 0842845 NAD27 DRAINAGE AREA 6.38 CONTRIBUTING DRAINAGE AREA DATUM 832.50 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	560	26	180	---	---	---	---	---	---
2	---	---	---	92	11	24	---	---	---	---	---	---
3	---	---	---	12	5.1	7.3	---	---	---	---	---	---
4	30	<5.0	11	830	<5.0	5.1	---	---	---	---	---	---
5	<5.0	<5.0	<5.0	140	9.5	29	---	<5.0	---	---	---	---
6	150	<5.0	<5.0	37	<5.0	11	8.6	<5.0	<5.0	<5.0	<5.0	<5.0
7	730	18	58	---	---	---	6.5	<5.0	<5.0	<5.0	<5.0	<5.0
8	25	5.8	12	---	---	---	5.2	<5.0	<5.0	<5.0	<5.0	<5.0
9	6.4	<5.0	<5.0	---	---	---	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
10	---	---	---	1200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
11	---	---	---	1000	25	76	12	<5.0	<5.0	7.3	<5.0	<5.0
12	120	<5.0	11	48	<5.0	7.7	180	<5.0	7.3	<5.0	<5.0	<5.0
13	>2200	8.3	24	350	<5.0	11	960	14	25	6.7	<5.0	<5.0
14	120	13	30	21	<5.0	<5.0	16	<5.0	<5.0	880	<5.0	<5.0
15	15	<5.0	6.7	8.1	<5.0	<5.0	---	---	---	130	12	26
16	10	<5.0	<5.0	5.4	<5.0	<5.0	---	---	---	35	5.8	9.2
17	480	6.4	48	<5.0	<5.0	<5.0	---	---	---	22	<5.0	<5.0
18	2200	50	200	<5.0	<5.0	<5.0	---	---	---	12	5.9	9.1
19	420	29	90	5.7	<5.0	<5.0	---	---	---	44	9.4	13
20	76	8.9	14	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	40	16	25
21	11	5.2	7.5	14	<5.0	<5.0	<5.0	<5.0	<5.0	49	16	32
22	13	<5.0	5.4	44	<5.0	<5.0	<5.0	<5.0	<5.0	650	16	36
23	---	---	---	760	14	---	<5.0	<5.0	<5.0	---	---	---
24	---	---	---	---	---	---	940	<5.0	<5.0	---	---	---
25	---	---	---	---	---	---	51	<5.0	14	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	360	<5.0	<5.0	---	---	---	---	---	---	---	---	---
28	350	11	40	---	---	---	---	---	---	---	---	---
29	11	<5.0	<5.0	---	---	---	---	---	---	---	---	---
30	630	<5.0	<5.0	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown

APALACHICOLA RIVER BASIN
2003 Water Year

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA

LOCATION.—Lat 33°44’20", long 84°28’45” referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130001, right upstream side of bridge on Peyton Road, 1.2 miles east of Interstate 285, and 3.0 miles upstream of confluence with South Utoy Creek .

DRAINAGE AREA.—6.38 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—June 3, 2003 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Medium code	Gage height, feet (00065)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)
AUG													
12-12	2019	2311	9	5.92	81345	28	--	7.9	--	7.2	142	22.5	44
AUG													
12-12	2020	2312	9	5.92	80020	28	--	7.9	--	7.2	142	22.5	--
AUG													
13-13	0813	0907	9	5.80	81345	120	--	6.8	--	6.8	98	22.0	27
AUG													
13-13	0814	0908	9	5.80	80020	120	--	6.8	--	6.8	98	22.0	--
AUG													
13-13	0922	0945	9	6.69	81345	440	--	7.4	--	7.0	98	22.5	30
AUG													
13-13	0923	0955	9	6.69	80020	440	--	7.4	--	7.0	98	22.5	--
19...	0850	--	9	5.52	81345	2.9	747	6.6	79	7.4	140	23.5	43
19...	0851	--	9	5.52	80020	2.9	747	6.6	79	7.4	140	23.5	--
19...	0900	--	9	5.51	81345	2.9	747	6.7	81	7.3	140	23.5	43
19...	0901	--	9	5.51	80020	2.9	747	6.7	81	7.3	140	23.5	--

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

Date	Noncarb hard-ness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alka-linity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
AUG 12-12	5	12.5	3.12	2.74	.5	7.63	26	39.4	<.1	9.60	<.1	20.2	9.3
AUG 12-12	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 13-13	1	8.37	1.50	3.26	.4	4.24	23	26.1	<.1	4.37	<.1	13.6	6.9
AUG 13-13	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 13-13	.0	8.87	1.81	3.07	.4	4.86	24	29.3	<.1	6.42	<.1	11.2	7.1
AUG 13-13	--	--	--	--	--	--	--	--	--	--	--	--	--
19...	2	12.3	3.07	2.55	.5	7.22	25	41.6	<.1	8.84	<.1	21.0	8.2
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
19...	1	12.1	2.98	2.51	.5	7.22	26	41.6	<.1	8.86	<.1	20.7	8.2
19...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)
AUG 12-12	92	.13	.01	.004	.80	.800d	<.100	.052	.017	.01	1.11	--	--
AUG 12-12	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 13-13	61	.08	.02	.013	.53	.530d	<.100	--	<.006	.01	.92	240000	--
AUG 13-13	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 13-13	64	.09	.01	.010	.57	.570d	<.100	--	<.092	<.002	.96	58000	140000
AUG 13-13	--	--	--	--	--	--	--	--	--	--	--	--	--
19...	91	.12	.05	.038	.60	--	<.100	--	<.014	<.01	.93	340	580
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
19...	90	.12	.03	.023	.60	--	<.100	--	<.040	<.004	.95	400	400
19...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)
AUG 12-12	--	34.6	<100	60	<50	<100	--	--	--	--	--	--	--
AUG 12-12	--	--	--	--	5	30.0	81	<.04	<.8	1.1	.12	.79	<.20
AUG 13-13	242000	25.5	160	40	--	<100	--	--	--	--	--	--	--
AUG 13-13	--	--	--	--	52	42.6	14	<.04	1.0	2.3	.25	.86	<.20
AUG 13-13	240000	26.8	<100	40	<50	<100	--	--	--	--	--	--	--
AUG 13-13	--	--	--	--	7	8.5	6	<.04	<.8	2.3	.14	.93	<.20
19...	16000	33.1	<100	60	<50	<100	--	--	--	--	--	--	--
19...	--	--	--	--	2	60.5	5	<.04	1.0	.7	<.08	.62	<.20
19...	19000	32.9	<100	60	<50	<100	--	--	--	--	--	--	--
19...	--	--	--	--	2	58.3	3	<.04	<.8	.7	E.07n	.62	<.20

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

Date	Sampler type, code (84164)	Sampling method, code (82398)
AUG 12-12	4115	50
AUG 12-12	4115	50
AUG 13-13	4115	50
AUG 13-13	4115	50
AUG 13-13	4115	50
AUG 13-13	4115	50
19...	3070	70
19...	3070	70
19...	3044	10
19...	3044	10

Date	Time	Ending time	Medium code	Gage height, feet (00065)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Aluminum, suspnd sedimnt total, percent (30221)	Antimony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryllium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chromium, suspnd sedimnt total, ug/g (29829)
AUG 13-13	0813	0907	1	5.80	81350	120	10	1.5	8.4	560	3	<.4	53
AUG 13-13	0922	0945	1	6.69	81350	440	6.9	.9	3.6	620	2	<.2	42
19...	0845	--	1	5.52	81350	2.9	6.5	1.2	8.0	550	2	1.0	110

Date	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Manganese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molybdenum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selenium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Strontium, suspnd sedimnt total, ug/g (35040)	Thallium, suspnd sedimnt ug/g (49955)
AUG 13-13	13	33	3.2	75	59	2700	--o	<4	60	M	<2	160	<200
AUG 13-13	18	33	3.2	64	29	1500	.10	<2	19	M	<1	110	<100
19...	61	100	6.0	88	28	7400	--o	2	160	M	<1	80	<100

Date	Titanium, suspnd sedimnt total, percent (30317)	Vanadium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Sampler type, code (84164)	Sampling method, code (82398)
AUG 13-13	.280	54	290	<200	122	4115	50
AUG 13-13	.300	81	180	<100	656	4115	50
19...	.320	91	490	<100	2	3070	70

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

Date	Time	Medium code	Gage height, feet (00065)	Agency analyzing sample, code (00028)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)
AUG 19...	0901	9	5.51	80020	<.5	<.5	<.5	<.5	<2	<1	<5	<1	<1

Date	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)
AUG 19...	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2	<1	<.5

Date	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)
AUG 19...	E.1	<.5	<1	<.5	<.5	M	<1	E.1	<.5	<5	<1	<.5	<1

Date	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)
AUG 19...	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1

Date	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)
AUG 19...	<2	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5	<.5	<.5

Date	Tris(dichloroi-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
AUG 19...	<.5	<1.00	3044	10

02336658 NORTH UTOY CREEK AT PEYTON ROAD, NEAR ATLANTA, GA—continued.

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this report:
   d -- Diluted sample: method hi range exceeded
   n -- Below the NDV

Null value qualifier codes used in this report:
   o -- Insufficient amount of water

APALACHIOLA RIVER BASIN
2003 Water Year

02336664 NORTH UTOY CREEK AT LYNHURST DRIVE, NEAR ATLANTA, GA

LOCATION.—Lat 33°44'44", long 84°29'23" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, at culvert on Lynhurst Drive, 0.5 miles east of Interstate 285, and 0.8 miles north of Benjamin E. Mays Drive.

DRAINAGE AREA.—7.48 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 16, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Noncarb Hardness, water, unfltrd mg/L as CaCO3 (00900)	hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
JUN													
18...	1130	81350	--	--	--	--	--	--	--	--	--	--	--
18...	1130	81345	240	--	7.3	--	6.7	54	22.5	19	3	5.94	1.08
18...	1131	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	0955	81345	4.6	742	7.8	93	7.1	143	22.5	47	6	13.5	3.26
16...	0956	80020	--	--	--	--	--	--	--	--	--	--	--
16...	0957	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	2.93	.2	1.61	13	16.6	.1	1.70	.5	4.89	3.9	35	.05	.05
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	2.73	.5	7.33	24	41.0	<.1	8.16	<.1	22.7	10.1	96	.13	.01
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336664 NORTH UTOY CREEK AT LYNHURST DRIVE, NEAR ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	.042	.30	.510d	.210	.144	.047	.05	.61	55000	38000	>242000k	19.1	160
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	.010	.73	.730d	<.100	.273	.089	.02	.99	490	1140	51700	40.3	<100
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	6.6	1.5	5.2
18...	40	<50	<100	--	--	--	--	--	--	--	--	--	--
18...	--	53	12.7	7	E.02	<.8	3.4	.95	.66	<.20	--	--	--
JUL													
16...	70	<50	110	--	--	--	--	--	--	--	--	--	--
16...	--	2	91.1	4	<.04	<.8	.9	<.08	.78	<.20	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
JUN													
18...	340	2	.8	37	9	24	2.0	120	26	450	.06	1	17
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)
JUN													
18...	M	<.5	46	<50	.340	60	180	<50	250	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	12	<.1	M	730

02336664 NORTH UTOY CREEK AT LYNHURST DRIVE, NEAR ATLANTA, GA—continued.

Date	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	4	M	26	12	38	2.8	49	69	630	.03	<1	15	.2

Date	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1	<5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M	<5
16...	<.5	73	.340	60	<50	95	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<1	<1	<5	<1	<2	E.1	<.5	<.5	<.5	<.5	<.5	<2	<2
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<1	<1	<5	<1	<2	<.5	<.5	M	<.5	<.5	M	<2	<2
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	M	<.5	E.1	<.5	M	<.5	<.5	<2	<1	E.3	<.5	<5	<1
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	M	<.5	E.1	M	<1	<.5	<.5	<2	<1	E.1	<.5	<5	<1
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336664 NORTH UTOY CREEK AT LYNHURST DRIVE, NEAR ATLANTA, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<.5	<1	<.5	M	M	<.5	<.5	<.5	<.5	M	<.5	<.5	<.5
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<.5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	E.1	<1	<.5	M
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<.5	M	<2	<.5	1.5	<.5	<.5	<.5	<.5	<.5	M	<.5	M
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
JUN						
18...	--	--	--	--	3052	10
18...	--	--	--	--	3052	10
18...	.5	E.1	E.1	<1.00	3052	10
JUL						
16...	--	--	--	--	3070	10
16...	E.1	M	M	<1.00	3070	10
16...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range

APALACHIOLA RIVER BASIN
2003 Water Year

02336675 NORTH UTOY CREEK AT BENJAMIN E. MAYS DRIVE, NEAR ATLANTA, GA

LOCATION.—Lat 33°44'21", long 84°30'21" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, at bridge on Benjamin E. Mays Drive, 0.9 miles upstream of South Utoy Creek, and 0.3 miles west of Interstate 285.

DRAINAGE AREA.—8.60 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 28, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
JUN													
17...	0845	81350	--	--	--	--	--	--	--	--	--	--	--
17...	0845	81345	200	745	4.8	56	6.6	59	22.0	18	4	5.61	1.08
17...	0846	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	1150	81345	6.9	742	8.2	99	7.1	138	23.5	44	4	12.5	3.03
16...	1151	80020	--	--	--	--	--	--	--	--	--	--	--
16...	1152	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	2.70	.2	1.91	16	14.7	<.02	2.15	<.02	5.72	4.7	35	.05	.03
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	2.82	.5	7.16	25	39.5	<.1	7.70	<.1	21.8	10.3	92	.13	.02
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336675 NORTH UTOY CREEK AT BENJAMIN E. MAYS DRIVE, NEAR ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	.025	.41	.510d	.100	.034	.011	.03	.62	33000	49000	>242000	20.7	220
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	.016	.67	.670d	<.100	--	<.048	.01	.82	470	17000	19900	39.3	<100
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	11	1.1	6.9
17...	40	105	<100	--	--	--	--	--	--	--	--	--	--
17...	--	71	9.5	6	E.02n	<.8	2.9	.81	.62	<.20	--	--	--
JUL													
16...	70	<50	140	--	--	--	--	--	--	--	--	--	--
16...	--	4	123	5	E.02	<.8	.8	E.05	.51	<.20	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
JUN													
17...	630	3	.5	64	16	50	4.1	100	45	900	.13	2	33
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)
JUN													
17...	M	<.5	77	<50	.480	110	210	<50	210	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	12	M	M	740

02336675 NORTH UTOY CREEK AT BENJAMIN E. MAYS DRIVE, NEAR ATLANTA, GA—continued.

Date	Beryllium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chromium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Manganese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molybdenum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)	Selenium, bed sed <62.5um dry svd lab,tot ug/g (34952)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	4	M	40	15	45	3.4	63	61	970	.08	<1	21	.2

Date	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Strontium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titanium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanadium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1	<5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M	<5
16...	<.5	79	.470	82	<50	130	--	--	--	--	--	--	--

Date	4-Cumylphenol, water, fltrd, ug/L (62060)	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<1	<1	<5	<1	<2	E.1	<.5	<.5	<.5	<.5	<.5	<2	<2
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<1	<1	<5	<1	<2	<.5	<.5	M	<.5	<.5	M	<2	<2
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphenol A, water, fltrd, ug/L (62069)	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	M	<.5	E.1	<.5	M	M	<.5	<2	<1	.6	<.5	<5	<1
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<1	E.4	E.1	<.5	<1	<.5	<.5	<2	<1	E.1	<.5	<5	<1
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336675 NORTH UTOY CREEK AT BENJAMIN E. MAYS DRIVE, NEAR ATLANTA, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	M	<1	M	Mc	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<.5	<1	<2	<.5	E.4	<.5	<.5	<.5	<.5	<.5	<1	<.5	E.1
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<.5	M	<2	<.5	.6	<.5	<.5	<.5	<.5	<.5	<1	<.5	M
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
JUN						
17...	--	--	--	--	3060	10
17...	--	--	--	--	3060	10
17...	1.0	E.1	E.1	<1.00	3060	10
JUL						
16...	--	--	--	--	3070	10
16...	E.1	<.5	M	<1.00	3070	10
16...	--	--	--	--	3070	70

Remark codes used in this report:
- < -- Less than
- > -- Greater than
- E -- Estimated value
- M -- Presence verified, not quantified

Value qualifier codes used in this report:
- c -- See laboratory comment
- d -- Diluted sample: method hi range exceeded
- n -- Below the NDV

APALACHIOLA RIVER BASIN
2003 Water Year

02336702 SOUTH UTOY CREEK AT CAMPBELLTON ROAD, NEAR EAST POINT, GA

LOCATION.—Lat 33°42'08", long 84°28'12" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, at culvert on Campbellton Road, 1.2 miles south of Cascade Road, and 1.6 miles east of Interstate 285.

DRAINAGE AREA.—6.25 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to August 14, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
JUN													
17...	1215	81350	--	--	--	--	--	--	--	--	--	--	--
17...	1215	81345	65	746	6.4	76	6.8	90	23.0	30	10	8.76	2.01
17...	1216	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	1000	81345	5.9	747	8.0	93	6.8	180	22.0	63	30	16.9	4.98
16...	1001	80020	--	--	--	--	--	--	--	--	--	--	--
16...	1107	81350	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	0000	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	3.09	.3	3.31	17	20.4	.4	3.32	<.02	8.95	11.4	58	.08	.04
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	3.38	.4	7.58	20	33.1	<.1	8.24	.1	20.4	33.7	119	.16	.05
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336702 SOUTH UTOY CREEK AT CAMPBELLTON ROAD, NEAR EAST POINT, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	.030	.40	.900d	.500	.012	.004	.02	.66	11000	16000	>242000k	24.8	<100
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	.042	.80	.800d	<.100	--	<.008	.01	1.05	750	1420	27600	44.8	<100
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	13	1.2	11
17...	60	<50	<100	--	--	--	--	--	--	--	--	--	--
17...	--	21	70.4	8	E.02	.8	4.9	.30	1.01	<.20	--	--	--
JUL													
16...	90	<50	320	--	--	--	--	--	--	--	--	--	--
16...	--	10	298	10	.05	<.8	1.7	<.08	2.33	<.20	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
JUN													
17...	490	3	1.8	94	27	130	5.6	100	38	3400	.84	5	59
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)
JUN													
17...	1	<.5	92	<50	.590	150	380	<50	20	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	10	M	M	900
AUG													
14...	--	--	--	--	--	--	--	--	--	11	M	M	800

02336702 SOUTH UTOY CREEK AT CAMPBELLTON ROAD, NEAR EAST POINT, GA—continued.

Date	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	3	M	77	26	120	4.7	100	31	2100	.17	2	43	.3
AUG													
14...	3	M	76	32	160	4.6	88	33	1500	.10	2	42	.7

Date	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Coprost-anol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1	<5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M	<5
16...	<.5	200	.710	120	<50	230	--	--	--	--	--	--	--
AUG													
14...	<.5	190	.580	110	<50	290	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<1	<1	E4	<1	<2	E.1	<.5	<.5	M	<.5	<.5	<2	<2
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<1	<1	E1	<1	<2	E.1	<.5	M	M	<.5	<.5	<2	<2
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<1	<.5	E.2	<.5	<1	M	<.5	<2	<1	E.2	<.5	E65	M
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	M	.7	E.1	M	M	<.5	<.5	<2	<1	E.1	<.5	E3	<1
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336702 SOUTH UTOY CREEK AT CAMPBELLTON ROAD, NEAR EAST POINT, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<.5	<1	E.1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<.5	<1	M	M	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributylphosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenylphosphate, water, fltrd, ug/L (62092)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<.5	<1	E4	M	E.3	<.5	E.1	<.5	<.5	E.1	<1	<.5	M
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<.5	<1	M	M	<.5	<.5	M	<.5	<.5	<.5	M	<.5	<.5
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
JUN						
17...	--	--	--	--	3070	10
17...	--	--	--	--	3070	10
17...	1.3	<.5	E.1	<1.00	3070	10
JUL						
16...	--	--	--	--	3070	10
16...	2.7	M	M	<1.00	3070	10
16...	--	--	--	--	3070	70
AUG						
14...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range

APALACHIOLA RIVER BASIN
2003 Water Year

023367025 SOUTH UTOY CREEK TRIBUTARY #3 AT LAURELWOOD DRIVE, NEAR ATLANTA, GA

LOCATION.—Lat 33°42'37", long 84°28'02" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130002, at culvert on Laurelwood Drive, 0.4 miles upstream of South Utoy Creek, and 0.5 miles north of Campbellton Road.

DRAINAGE AREA.—0.68 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 16, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
JUN													
18...	1345	81350	--	--	--	--	--	--	--	--	--	--	--
18...	1345	81345	80	738	6.7	82	6.7	71	23.5	23	2	6.81	1.38
18...	1346	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	1115	81345	3.4	749	8.0	99	6.8	105	25.0	35	5	9.54	2.66
16...	1116	80020	--	--	--	--	--	--	--	--	--	--	--
16...	1117	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	3.18	.2	2.62	18	20.4	.1	3.69	<.02	6.48	4.1	42	.06	.06
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	2.73	.4	5.33	23	29.8	<.1	6.90	<.1	18.2	4.2	72	.10	.01
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

023367025 SOUTH UTOY CREEK TRIBUTARY #3 AT LAURELWOOD DRIVE, NEAR ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	.043	.29	.330d	.040	.043	.014	.03	.61	9000	13700	>242000k	17.3	180
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	.010	.86	.860d	<.100	.230	.075	.02	.97	150	440	7710	22.6	<100
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	12	1.9	16
18...	30	59	<100	--	--	--	--	--	--	--	--	--	--
18...	--	73	61.0	6	E.02	<.8	2.5	.66	.61	<.20	--	--	--
JUL													
16...	40	<50	<100	--	--	--	--	--	--	--	--	--	--
16...	--	7	14.1	2	<.04	<.8	1.0	.12	.39	<.20	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
JUN													
18...	440	2	.9	98	22	72	5.3	120	46	1900	.21	5	52
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)
JUN													
18...	M	<.5	50	<50	.500	130	340	<50	36	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	11	M	M	520

023367025 SOUTH UTOY CREEK TRIBUTARY #3 AT LAURELWOOD DRIVE, NEAR ATLANTA, GA—continued.

Date	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	2	M	130	26	52	5.0	65	45	1800	.12	<1	49	.5

Date	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1	<5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M	<5
16...	<.5	53	.660	130	<50	170	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<1	<1	<5	<1	<2	<.5	<.5	M	<.5	<.5	<.5	<2	<2
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<1	<.5	E.1	<.5	M	<.5	<.5	<2	<1	E.4	<.5	<5	<1
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<1	<.5	M	M	<1	<.5	<.5	<2	<1	E.1	<.5	<5	<1
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

023367025 SOUTH UTOY CREEK TRIBUTARY #3 AT LAURELWOOD DRIVE, NEAR ATLANTA, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	M	<1	<.5	<.5	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)
JUN													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
18...	<.5	<1	<2	<.5	E.5	<.5	<.5	<.5	<.5	E.1	<1	<.5	<.5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<.5	M	<2	<.5	1.1	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloroi-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
JUN						
18...	--	--	--	--	3044	10
18...	--	--	--	--	3044	10
18...	E.2	<.5	<.5	<1.00	3044	10
JUL						
16...	--	--	--	--	3070	40
16...	<.5	M	M	<1.00	3070	40
16...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range

APALACHIOLA RIVER BASIN
2003 Water Year

02336703 SOUTH UTOY CREEK AT DODSON DRIVE, NEAR EAST POINT, GA

LOCATION.—Lat 33°42'28", long 84°28'28" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, at culvert on Dodson Drive, 0.8 miles south of Cascade Road, and 1.3 miles east of Interstate 285.

DRAINAGE AREA.—7.39 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 16, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
JUN													
17...	1015	81350	--	--	--	--	--	--	--	--	--	--	--
17...	1015	81345	90	745	6.2	73	6.7	78	22.5	25	7	7.25	1.67
17...	1016	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	0915	81345	3.7	747	8.6	97	6.7	100	20.0	30	5	7.65	2.62
16...	0916	80020	--	--	--	--	--	--	--	--	--	--	--
16...	1017	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	2.89	.2	2.74	17	17.8	<.02	3.24	<.02	7.08	9.6	47	.06	.01
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	2.56	.5	5.97	28	25.4	<.1	8.35	<.1	21.9	4.2	74	.10	.01
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336703 SOUTH UTOY CREEK AT DODSON DRIVE, NEAR EAST POINT, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	.009	.47	.500d	.030	.052	.017	.02	.66	23000	16400	>242000k	21.2	<100
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	.008	1.19	1.19d	<.100	--	<.048	.02	1.32	280	460	21600	32.5	<100
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	14	2.0	10
17...	30	<50	<100	--	--	--	--	--	--	--	--	--	--
17...	--	15	40.3	6	E.02	<.8	5.5	.25	.84	<.20	--	--	--
JUL													
16...	50	<50	<100	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
JUN													
17...	510	4	.7	100	25	170	6.0	120	43	2000	.27	4	82
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt ug/g (29853)	Zinc, suspnd sedimnt ug/g (29855)	Uranium suspnd sedimnt ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)
JUN													
17...	1	<.5	90	<50	.580	160	360	<50	30	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	9.1	M	M	610

02336703 SOUTH UTOY CREEK AT DODSON DRIVE, NEAR EAST POINT, GA—continued.

Date	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	2	M	78	19	59	4.7	64	36	860	.07	1	36	.4

Date	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Coprost-anol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1	<5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1	<5
16...	<.5	61	.870	130	<50	140	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<1	<1	E3	<1	<2	E.1	<.5	<.5	M	<.5	<.5	<2	<2
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<1	<.5	E.2	M	M	M	<.5	<2	<1	E.3	<.5	E35	<1
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<1	<.5	<.5	M	<1	<.5	<.5	<2	<1	E.1	<.5	<5	<1
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336703 SOUTH UTOY CREEK AT DODSON DRIVE, NEAR EAST POINT, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<.5	<1	E.1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	M	<1	<.5	<.5	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributylphosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenylphosphate, water, fltrd, ug/L (62092)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<.5	<1	E4	E.1	.7	<.5	M	<.5	<.5	<.5	<1	<.5	M
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<.5	M	<2	<.5	E.5	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
JUN						
17...	--	--	--	--	3070	10
17...	--	--	--	--	3070	10
17...	1.1	<.5	<.5	<1.00	3070	10
JUL						
16...	--	--	--	--	3070	10
16...	<.5	<.5	<.5	<1.00	3070	10
16...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range

APALACHIOLA RIVER BASIN
2003 Water Year

02336704 SOUTH UTOY CREEK AT HARBIN ROAD, NEAR BEN HILL, GA

LOCATION.—Lat 33°43'02", long 84°29'02" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, at culvert on Harbin Road, 0.2 miles south of Cascade Road, and 1.0 miles east of Interstate 285.

DRAINAGE AREA.—8.69 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to August 14, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
JUN													
17...	0845	81350	--	--	--	--	--	--	--	--	--	--	--
17...	0845	81345	150	745	6.7	78	6.7	67	22.0	21	6	6.14	1.39
17...	0846	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	0815	81345	8.4	749	7.8	90	6.7	158	21.5	53	20	14.4	4.07
16...	0816	80020	--	--	--	--	--	--	--	--	--	--	--
16...	0817	81350	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	1300	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	2.63	.2	2.17	16	14.8	<.02	2.56	.1	5.74	7.4	40	.05	.02
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	3.21	.4	7.16	22	32.8	<.1	7.80	.1	21.2	24.1	106	.14	.05
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336704 SOUTH UTOY CREEK AT HARBIN ROAD, NEAR BEN HILL, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	.018	.43	.700d	.270	.089	.029	.02	.60	14000	16800	>242000k	18.2	100
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	.035	.78	.780d	<.100	--	<.066	.02	.95	2300	2200	64900	44.2	<100
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	12	1.0	7.5
17...	30	<50	<100	--	--	--	--	--	--	--	--	--	--
17...	--	46	18.5	4	E.02	<.8	7.5	.49	.76	<.20	--	--	--
JUL													
16...	80	53	120	--	--	--	--	--	--	--	--	--	--
16...	--	5	150	7	E.03n	<.8	2.0	<.08	1.33	<.20	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
JUN													
17...	590	3	.3	89	19	220	4.9	96	37	1100	.18	3	46
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)
JUN													
17...	M	<.5	93	<50	.570	130	230	<50	91	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	9.0	M	M	900
AUG													
14...	--	--	--	--	--	--	--	--	--	10	M	M	820

02336704 SOUTH UTOY CREEK AT HARBIN ROAD, NEAR BEN HILL, GA—continued.

Date	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	3	M	74	22	120	4.3	62	27	1700	.05	M	36	.3
AUG													
14...	2	M	71	24	93	4.3	78	32	1500	.12	1	35	.6

Date	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1	<5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M	<5
16...	<.5	170	.770	120	<50	170	--	--	--	--	--	--	--
AUG													
14...	<.5	140	.660	110	<50	220	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<1	<1	E3	<1	<2	E.1	<.5	<.5	M	<.5	<.5	<2	<2
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<1	<1	E1	<1	<2	<.5	<.5	M	M	<.5	M	M	<2
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	M	<.5	E.2	<.5	M	M	<.5	<2	<1	E.3	<.5	E36	<1
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<1	.6	E.1	M	<1	<.5	<.5	M	<1	E.1	<.5	E3	M
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336704 SOUTH UTOY CREEK AT HARBIN ROAD, NEAR BEN HILL, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<.5	<1	E.2	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<.5	<1	M	M	<.5	<.5	<.5	<.5	<.5	M	<.5	<.5	<.5
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<.5	<1	E7	E.1	E.4	<.5	E.1	<.5	<.5	E.1	<1	<.5	M
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<.5	M	M	M	E.3	<.5	M	<.5	<.5	E.1	M	<.5	M
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
JUN						
17...	--	--	--	--	3070	10
17...	--	--	--	--	3070	10
17...	1.0	<.5	<.5	<1.00	3070	10
JUL						
16...	--	--	--	--	3070	10
16...	1.0	M	M	<1.00	3070	10
16...	--	--	--	--	3070	70
AUG						
14...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the NDV

APALACHICOLA RIVER BASIN
2003 Water Year

02336706 SOUTH UTOY CREEK AT CHILDRESS ROAD, NEAR BEN HILL, GA

LOCATION.—Lat 33°42'54", long 84°29'26" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, at bridge on Childress Road, 1.8 miles upstream of confluence of Utoy Creek, 0.4 miles south of Cascade Road, and 0.6 miles east of Interstate 285.

DRAINAGE AREA.—3.11 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 28, 2003 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)
AUG													
28...	0815	9	2.71	4.3	81345	3.2	746	7.7	89	7.1	169	23.0	50
28...	0816	9	2.71	4.3	80020	3.2	746	7.7	89	7.1	169	23.0	--
28...	0840	9	2.71	4.3	81345	3.4	747	7.4	88	7.0	169	23.0	50
28...	0841	9	2.71	4.3	80020	3.4	747	7.4	88	7.0	169	23.0	--

Date	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
AUG													
28...	15	13.2	4.01	3.02	.5	7.69	24	34.3	.1	7.60	.2	19.8	23.4
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	16	13.3	4.10	3.07	.5	7.76	24	34.4	.1	7.65	.2	20.2	23.2
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336706 SOUTH UTOY CREEK AT CHILDRESS ROAD, NEAR BEN HILL, GA—continued.

Date	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)
AUG													
28...	102	.14	.03	.027	.54	.540d	<.020	--	<.028	M	.67	910	1360
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
28...	103	.14	.03	.027	.54	.540d	<.020	.040	.013	.01	.66	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)
AUG													
28...	51700	34.3	<100	80	<50	170	--	--	--	--	--	--	--
28...	--	--	--	--	5	155	3	<.04	<.8	2.0	<.08	.67	<.20
28...	--	34.9	<100	80	<50	170	--	--	--	--	--	--	--
28...	--	--	--	--	5	146	5	<.04	<.8	2.1	<.08	.66	<.20

Date	Sampler type, code (84164)	Sam-pling method, code (82398)
AUG		
28...	3044	10
28...	3044	10
28...	3070	70
28...	3070	70

Date	Time	Medium code	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Agency ana-lyzing sample, code (00028)	Tur-bidity, water, unfltrd field, NTU (61028)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)
AUG													
28...	0845	1	2.71	4.3	81350	3.4	7.2	1.6	20	1000	4	4.6	230

Date	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)
AUG													
28...	120	240	9.7	96	25	--o	13	240	2	<2	120	<150	.360

02336706 SOUTH UTOY CREEK AT CHILDRESS ROAD, NEAR BEN HILL, GA—continued.

Date	Vanadium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Sampler type, code (84164)	Sampling method, code (82398)
AUG 28...	120	2200	<150	2	3070	70

Date	Time	Medium code	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)
AUG 28...	0816	9	2.71	4.3	80020	<.5	<.5	<.5	<.5	<2	M	<5	<1

Date	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)
AUG 28...	<1	<5	<1	<2	E.1	<.5	M	M	<.5	M	<2	<2	<1

Date	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)
AUG 28...	.7	E.1	<.5	<1	M	<.5	<2	M	E.1	<.5	<5	<1	M

Date	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)
AUG 28...	<1	M	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5

Date	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)
AUG 28...	M	M	M	E.3	<.5	M	<.5	<.5	M	M	<.5	M	E.3

02336706 SOUTH UTOY CREEK AT CHILDRESS ROAD, NEAR BEN HILL, GA—continued.

Date	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
AUG 28...	M	M	<1.00	3044	10

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded

Null value qualifier codes used in this report:
o -- Insufficient amount of water

APALACHIOLA RIVER BASIN
2003 Water Year

02336712 UTOY CREEK TRIBUTARY AT MELVIN DRIVE, NEAR ATLANTA, GA

LOCATION.—Lat 33°42'29", long 84°30'47" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130002, at culvert on Melvin Drive, 1.5 miles upstream of Utoy Creek, and 0.7 miles west of Interstate 285.

DRAINAGE AREA.—0.91 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 16, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
JUN													
17...	1030	81350	--	--	--	--	--	--	--	--	--	--	--
17...	1030	81345	75	745	4.8	57	6.6	68	22.5	20	2	5.78	1.23
17...	1031	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	0715	81345	19	747	7.4	86	6.6	87	22.0	26	--	7.67	1.66
16...	0716	80020	--	--	--	--	--	--	--	--	--	--	--
16...	0717	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	2.12	.3	3.33	25	17.8	<.02	2.65	<.02	13.3	4.2	46	.06	.13
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	2.38	.5	6.09	31	27.0	<.1	4.70	.1	21.8	4.5	67	.09	.14
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336712 UTOY CREEK TRIBUTARY AT MELVIN DRIVE, NEAR ATLANTA, GA—continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	.104	.26	.260d	<.020	.061	.020	.01	.60	5500	10200	173000	35.4	650
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	.108	.36	.360d	<.100	--	<.022	.02	.71	1600	1670	57900	39.8	370
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	12	1.8	6.9
17...	40	<50	220	--	--	--	--	--	--	--	--	--	--
17...	--	29	194	5	<.04	E.8	1.7	.45	.45	<.20	--	--	--
JUL													
16...	60	<50	150	--	--	--	--	--	--	--	--	--	--
16...	--	9	148	3	<.04	<.8	1.0	.35	.53	<.20	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
JUN													
17...	570	3	.3	69	18	33	4.2	53	28	3000	.11	5	37
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)
JUN													
17...	M	<.5	91	<50	.430	95	220	<50	33	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	11	<.1	M	980

02336712 UTOY CREEK TRIBUTARY AT MELVIN DRIVE, NEAR ATLANTA, GA—continued.

Date	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	3	<.1	26	10	19	2.8	39	16	900	.03	<1	8	.2

Date	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1	<5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	M	M	<5
16...	<.5	280	.540	73	<50	80	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<1	<1	M	<1	<2	E.1	<.5	E.1	<.5	<.5	M	E1	E1
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<1	<.5	E.1	<.5	<1	<.5	<.5	<2	<1	E.2	<.5	<5	<1
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<1	<.5	E.1	M	<1	<.5	<.5	E2	<1	.5	M	E4	<1
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336712 UTOY CREEK TRIBUTARY AT MELVIN DRIVE, NEAR ATLANTA, GA—continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<.5	<1	<.5	M	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<.5	<1	<2	<.5	E.2	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<.5	M	<2	<.5	<.5	<.5	<.5	<.5	<.5	<.5	M	E.1	M
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloroi-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
JUN						
17...	--	--	--	--	3060	40
17...	--	--	--	--	3060	40
17...	<.5	<.5	<.5	<1.00	3060	40
JUL						
16...	--	--	--	--	3070	40
16...	2.1	M	M	<1.00	3070	40
16...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded

APALACHIOLA RIVER BASIN
2003 Water Year

02336716 UTOY CREEK TRIBUTARY AT DANFORTH ROAD, NEAR ATLANTA, GA

LOCATION.—Lat 33°43'34", long 84°31'54" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03130002, at culvert on Danforth Road, 1.1 miles upstream of Utoy Creek, and 1.6 miles west of Interstate 285.

DRAINAGE AREA.—1.80 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 20, 2003 to July 16, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
JUN													
17...	1230	81350	--	--	--	--	--	--	--	--	--	--	--
17...	1230	81345	60	746	4.6	55	6.5	68	23.0	21	.0	5.41	1.68
17...	1231	80020	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	1335	81345	5.5	741	7.4	91	6.8	84	24.5	28	--	7.14	2.50
16...	1336	80020	--	--	--	--	--	--	--	--	--	--	--
16...	1337	81350	--	--	--	--	--	--	--	--	--	--	--

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	2.20	.3	3.04	22	19.6	.1	2.70	<.02	11.2	5.0	45	.06	.09
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	2.06	.4	5.25	27	30.0	<.1	3.40	.1	21.1	4.5	66	.09	.08
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336716 UTOY CREEK TRIBUTARY AT DANFORTH ROAD, NEAR ATLANTA, GA–continued.

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	.069	.11	.240d	.130	.071	.023	.01	.38	960	1160	68700	23.6	460
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	.064	.20	.200d	<.100	.067	.022	.01	.42	690	27000	18900	28.0	310
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	12	.6	6.6
17...	40	<50	240	--	--	--	--	--	--	--	--	--	--
17...	--	39	212	2	<.04	<.8	1.2	.23	.52	<.20	--	--	--
JUL													
16...	70	<50	160	--	--	--	--	--	--	--	--	--	--
16...	--	8	130	1	E.02	<.8	.7	E.07	.57	<.20	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)
JUN													
17...	760	3	.9	89	23	63	4.9	52	34	4800	.03	4	60
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Alum-inum, bed sed <62.5um dry svd lab,tot percent (34792)	Anti-mony, bed sed <62.5um dry svd lab,tot ug/g (34797)	Arsenic bed sed <62.5um dry svd lab, total, ug/g (34802)	Barium, bed sed <62.5um dry svd lab, total, ug/g (34807)
JUN													
17...	M	<.5	130	<50	.440	110	210	<50	36	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	11	<.1	M	830

02336716 UTOY CREEK TRIBUTARY AT DANFORTH ROAD, NEAR ATLANTA, GA–continued.

Date	Beryll-ium, bed sed <62.5um dry svd lab,tot ug/g (34812)	Cadmium bed sed <62.5um dry svd lab, total, ug/g (34827)	Chrom-ium, bed sed <62.5um dry svd lab,tot ug/g (34842)	Cobalt, bed sed <62.5um dry svd lab, total, ug/g (34847)	Copper, bed sed <62.5um dry svd lab, total, ug/g (34852)	Iron, bed sed <62.5um dry svd lab, total, percent (34882)	Lead, bed sed <62.5um dry svd lab, total, ug/g (34892)	Lithium bed sed <62.5um dry svd lab, total, ug/g (34897)	Mangan-ese, bed sed <62.5um dry svd lab,tot ug/g (34907)	Mercury bed sed <62.5um dry svd lab, total, ug/g (34912)	Molyb-denum, bed sed <62.5um dry svd lab,tot ug/g (34917)	Nickel, bed sed <62.5um dry svd lab, total, ug/g (34927)	Selen-ium, bed sed <62.5um dry svd lab,tot ug/g (34952)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	3	<.1	63	21	46	4.6	40	37	2100	<.01	2	35	.3

Date	Silver, bed sed <62.5um dry svd lab, total, ug/g (34957)	Stront-ium, bed sed <62.5um dry svd lab,tot ug/g (34967)	Titan-ium, bed sed <62.5um dry svd lab,tot percent (34992)	Vanad-ium, bed sed <62.5um dry svd lab,tot ug/g (35007)	Uranium bed sed <62.5um dry svd lab, total, ug/g (35002)	Zinc, bed sed <62.5um dry svd lab, total, ug/g (35022)	1,4-Di-chloro-benzene water, fltrd, ug/L (34572)	1-Methyl-naphth-alene, water, fltrd, ug/L (62054)	2,6-Di-methyl-naphth-alene, water, fltrd, ug/L (62055)	2-Methyl-naphth-alene, water, fltrd, ug/L (62056)	3-beta-Copros-tanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hy-droxy-anisole wat flt ug/L (62059)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1	<5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	M	<5
16...	<.5	160	.530	110	<50	120	--	--	--	--	--	--	--

Date	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Meth-yl-1H-benzo-tri-azole, wat flt ug/L (62063)	9,10-Anthra-quinone water, fltrd, ug/L (62066)	Aceto-phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthra-cene, water, fltrd, ug/L (34221)	Benzo-[a]-pyrene, water, fltrd, ug/L (34248)	Benzo-phenone water, fltrd, ug/L (62067)	beta-Sitos-terol, water, fltrd, ug/L (62068)	beta-Stigma-stanol, water, fltrd, ug/L (62086)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<1	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<1	<1	<5	<1	<2	<.5	<.5	M	<.5	<.5	<.5	<2	<2
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Bisphe-nol A, water, fltrd, ug/L (62069)	Broma-cil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carba-zole, water, fltrd, ug/L (62071)	Chlor-pyrifos water, fltrd, ug/L (38933)	Choles-terol, water, fltrd, ug/L (62072)	Cot-inine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazi-non, water, fltrd, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, fltrd, ug/L (62083)	Di-ethoxy-octyl-phenol, water, fltrd ug/L (61705)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<1	<.5	E.1	M	M	<.5	<.5	<2	<1	E.1	<.5	E2	<1
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<1	<.5	E.1	M	<1	<.5	<.5	<2	<1	E.1	<.5	<5	<1
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336716 UTOY CREEK TRIBUTARY AT DANFORTH ROAD, NEAR ATLANTA, GA–continued.

Date	D-Limonene, water, fltrd, ug/L (62073)	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<.5	<1	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<.5	<1	<.5	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Naphthalene, water, fltrd, ug/L (34443)	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	<.5	<1	<2	<.5	E.4	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5
JUL													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<.5	M	<2	<.5	E.2	<.5	<.5	<.5	<.5	<.5	<1	<.5	<.5
16...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)	Tris(2-chloroethyl) phosphate, wat flt ug/L (62087)	Tris(dichloro-i-Pr) phosphate, wat flt ug/L (62088)	Dichlorvos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sampling method, code (82398)
JUN						
17...	--	--	--	--	3070	10
17...	--	--	--	--	3070	10
17...	E.2	<.5	<.5	<1.00	3070	10
JUL						
16...	--	--	--	--	3070	10
16...	<.5	<.5	<.5	<1.00	3070	10
16...	--	--	--	--	3070	70

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

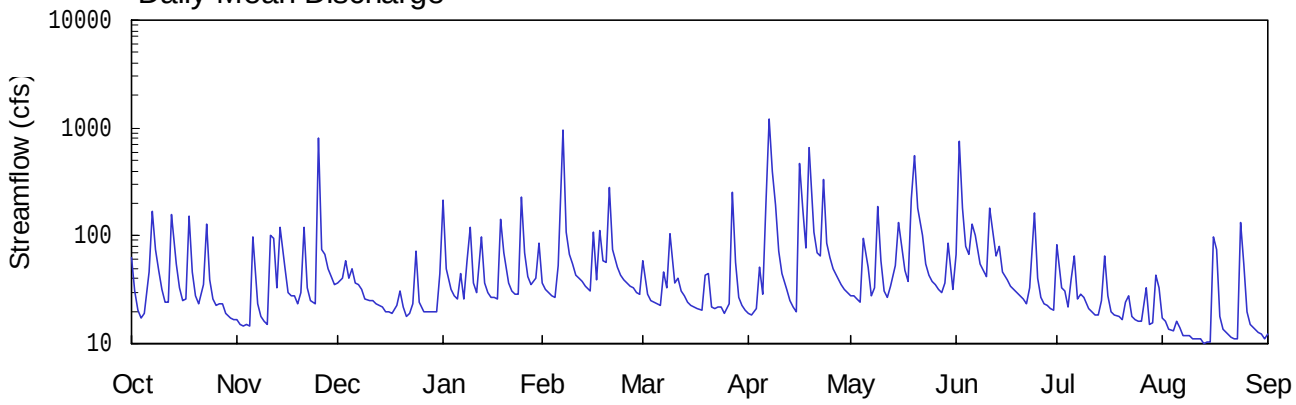
Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded

2003 Water Year

02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA

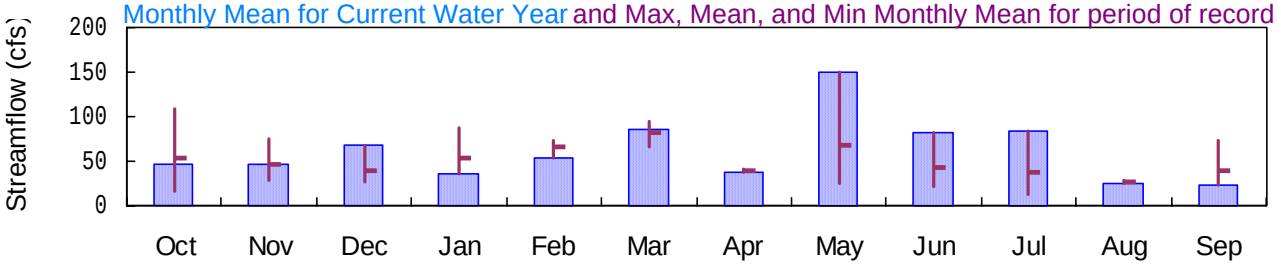
Latitude: 33°44'36" Longitude: 084°34'06" Hydrologic Unit Code: 03130002 Fulton County
Drainage Area: 33.9 mi^2 Datum: 660.1 feet

Daily Mean Discharge



Monthly Statistics

Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2003 Water Year

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA

LOCATION.—Lat 33°44'36", long 84°34'06" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130002, on the upstream side of bridge on Great Southwest Parkway, 0.3 miles downstream from GA 70, and 0.3 miles upstream of confluence with the Chattahoochee River.

DRAINAGE AREA.—33.9 square miles.

COOPERATION.—City of Atlanta**.**

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 30, 2002 to September 30, 2003**.**

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 660.10 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good, except for periods of estimated discharge, which are poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 30, 2002 to September 30, 2003**.**

GAGE.—Satellite telemetry with water-stage recorder and a continuous water-quality monitor. Datum of gage is 660.10 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage height recorded, 16.86 feet, May 6; minimum gage height recorded, 2.88 feet, September 12.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 30, 2002 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91* CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	21	15	59	31	32	25	18	26	e750	31	14
2	---	17	15	41	28	30	24	21	24	e180	22	13
3	---	19	15	50	26	28	23	51	94	e80	40	e16
4	---	47	15	36	45	27	23	29	52	e68	64	e14
5	---	e170	97	35	26	53	47	e200	28	e130	26	e12
6	---	e74	23	32	58	e950	33	e1200	33	e100	29	12
7	---	47	18	26	119	e110	104	e400	186	e55	27	12
8	---	32	16	25	36	67	36	e190	59	47	21	e11
9	---	25	15	25	30	54	41	e72	31	41	20	e11
10	---	25	102	23	99	43	31	e45	27	e180	19	e11
11	---	e160	e94	22	36	40	28	e32	35	e110	18	e10
12	---	e55	33	22	30	38	24	e25	54	64	25	10
13	---	33	119	19	27	34	23	e22	e135	80	66	10
14	---	25	51	20	27	30	22	e20	e80	46	27	96
15	---	26	30	19	26	107	21	e470	48	39	19	74
16	---	e150	28	22	143	39	21	e180	38	33	18	18
17	---	46	28	30	69	113	42	77	e220	31	18	14
18	---	28	23	22	36	58	44	e650	e550	30	17	12
19	---	24	30	18	31	57	22	e110	e180	28	24	11
20	---	35	121	19	29	e280	21	71	102	26	28	11
21	---	129	33	23	29	75	22	65	54	24	18	11
22	---	38	25	72	e230	51	22	e330	43	33	17	131
23	---	26	23	24	71	43	19	e85	37	165	16	55
24	---	23	e800	19	42	39	24	62	e35	40	16	20
25	---	23	e75	20	35	36	e250	49	e32	27	33	15
26	---	23	68	20	41	34	e57	44	e30	24	15	14
27	---	19	49	20	84	33	27	35	e36	22	15	13
28	---	17	41	19	37	30	23	32	85	21	44	12
29	---	17	35	44	---	28	21	29	32	20	33	11
30	62	17	36	216	---	58	19	28	68	83	17	12
31	31	---	40	49	---	29	---	28	---	33	16	---
TOTAL	---	1391	2113	1091	1521	2646	1139	4670	2454	2610	799	686
MEAN	---	46.4	68.2	35.2	54.3	85.4	38.0	151	81.8	84.2	25.8	22.9
MAX	---	170	800	216	230	950	250	1200	550	750	66	131
MIN	---	17	15	18	26	27	19	18	24	20	15	10
CFSM	---	1.37	2.01	1.04	1.60	2.52	1.12	4.44	2.41	2.48	0.76	0.67
IN.	---	1.53	2.32	1.20	1.67	2.90	1.25	5.12	2.69	2.86	0.88	0.75

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2003, BY WATER YEAR (WY)

MEAN	54.2	45.8	39.8	54.0	66.4	82.0	38.9	68.4	43.4	36.6	27.3	39.5
MAX	108	75.0	68.2	86.6	74.1	94.6	41.6	151	81.8	84.2	28.2	73.0
(WY)	1996	1996	2003	1996	1995	1996	1995	2003	2003	2003	1995	1994
MIN	16.9	29.4	27.1	35.2	54.3	66.1	37.1	25.5	21.9	12.2	25.8	22.9
(WY)	1997	1997	1995	2003	2003	1995	1996	1995	1995	1995	2003	2003

SUMMARY STATISTICS WATER YEARS 1994 - 2003

ANNUAL MEAN	44.4	
HIGHEST ANNUAL MEAN	52.8	1996
LOWEST ANNUAL MEAN	36.1	1995
HIGHEST DAILY MEAN	1700	Oct 4 1995
LOWEST DAILY MEAN	5.0	Jul 25 1995
ANNUAL SEVEN-DAY MINIMUM	6.3	Jul 19 1995
ANNUAL RUNOFF (CFSM)	1.31	
ANNUAL RUNOFF (INCHES)	17.80	
10 PERCENT EXCEEDS	60	
50 PERCENT EXCEEDS	25	
90 PERCENT EXCEEDS	13	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91* CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	3.10	3.02	3.41	3.21	3.22	3.15	3.07	3.14	7.63	3.19	2.97
2	---	3.05	3.01	3.29	3.18	3.20	3.14	3.09	3.12	11.34	3.09	2.96
3	---	3.06	3.02	3.35	3.16	3.18	3.13	3.36	3.59	4.62	3.25	---
4	---	3.33	3.01	3.25	3.31	3.17	3.12	3.19	3.36	4.37	3.41	---
5	---	4.50	3.61	3.25	3.16	3.33	3.31	4.16	3.16	4.60	3.14	---
6	---	4.64	3.13	3.22	3.35	---	3.21	14.56	3.19	3.99	3.17	2.94
7	---	3.34	3.06	3.16	3.73	7.76	3.66	13.35	4.09	3.66	3.15	2.94
8	---	3.22	3.03	3.15	3.25	3.46	3.25	6.37	3.40	3.33	3.09	---
9	---	3.14	3.02	3.14	3.20	3.39	3.29	5.12	3.20	3.29	3.07	---
10	---	3.14	3.53	3.13	3.63	3.31	3.22	4.80	3.15	4.37	3.05	---
11	---	4.23	3.72	3.12	3.26	3.29	3.18	4.17	3.20	4.97	3.05	---
12	---	3.47	3.23	3.11	3.20	3.27	3.14	3.46	3.36	3.45	3.11	2.91
13	---	3.22	3.73	3.08	3.17	3.24	3.13	---	4.42	3.52	3.44	2.91
14	---	3.15	3.36	3.09	3.17	3.20	3.11	---	3.79	3.33	3.15	3.43
15	---	3.15	3.20	3.08	3.16	3.67	3.10	---	3.34	3.27	3.06	3.45
16	---	3.96	3.18	3.12	3.85	3.28	3.10	8.75	3.26	3.22	3.05	3.04
17	---	3.33	3.18	3.20	3.46	3.68	3.25	3.52	11.23	3.20	3.04	2.97
18	---	3.18	3.13	3.10	3.26	3.41	3.29	7.80	10.93	3.18	3.03	2.95
19	---	3.13	3.17	3.06	3.21	3.41	3.11	4.86	7.94	3.16	3.08	2.93
20	---	3.22	3.74	3.08	3.19	4.76	3.11	3.49	3.64	3.14	3.15	2.93
21	---	3.79	3.22	3.13	3.19	3.51	3.11	3.45	3.39	3.11	3.04	2.92
22	---	3.27	3.15	3.47	4.81	3.37	3.11	5.43	3.31	3.20	3.02	3.66
23	---	3.16	3.13	3.14	3.48	3.31	3.08	4.55	3.26	3.97	3.01	3.36
24	---	3.12	9.46	3.08	3.31	3.28	3.12	3.44	3.82	3.28	3.00	3.06
25	---	3.13	6.75	3.09	3.25	3.26	4.80	3.36	3.60	3.15	3.18	3.00
26	---	3.13	3.47	3.09	3.29	3.24	3.56	3.32	3.27	3.11	3.00	2.97
27	---	3.08	3.36	3.09	3.55	3.23	3.16	3.24	3.40	3.10	3.00	2.96
28	---	3.05	3.30	3.08	3.26	3.20	3.12	3.21	3.55	3.08	3.18	2.95
29	---	3.04	3.25	3.27	---	3.19	3.10	3.18	3.21	3.07	3.19	2.93
30	3.43	3.04	3.25	4.25	---	3.40	3.08	3.16	3.41	3.50	3.03	2.95
31	3.21	---	3.29	3.35	---	3.19	---	3.16	---	3.21	3.01	---
MEAN	---	3.35	3.57	3.21	3.37	---	3.24	---	4.09	3.92	3.11	---
MAX	---	4.64	9.46	4.25	4.81	---	4.80	---	11.23	11.34	3.44	---
MIN	---	3.04	3.01	3.06	3.16	---	3.08	---	3.12	3.07	3.00	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91* CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	2.88	0.00	0.00
2	---	0.00	0.00	0.14	0.00	0.00	0.00	0.21	0.00	0.01	0.01	0.00
3	---	0.31	0.01	0.00	0.00	0.00	0.00	0.26	1.05	0.00	0.60	---
4	---	0.14	0.08	0.00	0.18	0.03	---	0.00	0.05	1.15	0.01	---
5	---	1.93	0.72	0.00	0.00	1.19	---	3.50	0.00	0.14	0.14	---
6	---	0.00	0.00	0.00	0.84	1.14	---	1.63	0.51	0.06	0.22	0.00
7	---	0.00	0.00	0.00	0.03	0.00	0.53	0.72	0.80	0.00	0.00	0.01
8	---	0.00	0.00	0.00	0.00	0.00	0.08	0.01	0.01	0.00	0.00	---
9	---	0.00	0.00	0.02	0.18	0.00	0.16	0.00	0.00	0.00	0.00	---
10	---	0.00	1.00	0.02	0.26	0.00	---	0.00	0.00	1.08	0.00	---
11	---	1.26	0.00	0.00	0.00	0.00	---	0.38	0.56	0.05	0.02	---
12	---	0.16	0.00	0.00	0.00	0.00	---	0.00	0.46	0.00	0.31	0.00
13	---	0.00	0.55	0.00	0.00	0.00	---	---	0.76	0.81	0.74	0.00
14	---	0.00	0.00	0.00	0.04	0.00	---	---	0.10	0.12	0.01	2.21
15	---	0.32	0.00	0.00	0.00	0.67	0.00	---	0.00	0.00	0.00	0.00
16	---	1.12	0.00	0.15	1.05	0.00	0.00	0.27	0.20	0.13	0.07	0.00
17	---	0.00	0.00	0.00	0.00	0.57	0.70	0.01	1.47	0.00	0.08	0.00
18	---	0.00	0.00	0.00	0.00	0.03	0.00	1.35	1.51	0.00	0.00	0.00
19	---	0.00	0.69	0.00	0.00	0.34	0.00	0.07	0.50	0.06	0.08	0.00
20	---	0.57	0.03	0.00	0.00	0.13	0.00	0.01	0.00	0.00	0.00	0.00
21	---	0.24	0.00	0.15	0.09	0.00	0.04	0.45	0.00	0.00	0.00	0.06
22	---	0.00	0.00	0.25	0.97	0.00	0.00	0.60	0.00	0.29	0.00	0.91
23	---	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.01
24	---	0.00	2.44	0.00	0.01	---	0.45	0.00	0.00	0.01	0.00	0.00
25	---	0.00	0.01	0.00	0.00	---	1.23	0.02	0.00	0.00	0.00	0.00
26	---	0.00	0.00	0.00	0.33	0.05	0.00	0.00	0.00	0.00	0.00	0.00
27	---	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.39	0.00	0.00	0.02
28	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.10	0.00
29	---	0.00	0.00	0.79	---	0.08	0.00	0.00	0.00	0.00	0.03	0.00
30	0.00	0.00	0.00	0.55	---	0.29	0.00	0.00	0.62	0.23	0.01	0.00
31	0.00	---	0.12	0.00	---	0.00	---	0.00	---	0.28	0.00	---
TOTAL	---	6.05	5.74	2.18	4.18	---	---	---	9.22	8.09	2.43	---

APALACHICOLA RIVER BASIN
2003 Water Year

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY NEAR ATLANTA, GA

LOCATION.—Lat 33°44'36", long 84°34'06" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130002, on the upstream side of bridge on Great Southwest Parkway, 0.3 miles downstream from GA 70, and 0.3 miles upstream of confluence with the Chattahoochee River.

DRAINAGE AREA.—33.9 square miles.

COOPERATION.—City of Atlanta.

PERIOD OF RECORD.—June 28, 1963 to July 25, 1995, February 2, 2000 to December 11, 2000, April 10, 2003 to September 30, 2003.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: April 10, 2003 to September 30, 2003.
pH: April 10, 2003 to September 30, 2003.
WATER TEMPERATURE: April 10, 2003 to September 30, 2003.
DISSOLVED OXYGEN: April 10, 2003 to September 30, 2003.
TURBIDITY: April 10, 2003 to September 30, 2003.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good, except for specific conductance, turbidity, and dissolved oxygen which are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 215 microsiemens, April 17, 2003; minimum recorded, 29 microsiemens, May 5, 2003.
pH: Maximum recorded, 7.4 units, April 17, 2003; minimum recorded, 6.1 units, May 6, 7, 2003.
WATER TEMPERATURE: Maximum recorded, 27.4°C, August 28, 2003; minimum recorded, 10.6°C, April 11, 2003.
DISSOLVED OXYGEN: Maximum recorded, 10.1 mg/L, April 11, 2003; minimum recorded, 3.1 mg/L, August 30, 2003.
TURBIDITY: Maximum recorded, >2,200 NTU, June 13, 2003; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	136	135	136
2	---	---	---	---	---	---	---	---	---	138	94	128
3	---	---	---	---	---	---	---	---	---	130	73	112
4	---	---	---	---	---	---	---	---	---	108	98	104
5	---	---	---	---	---	---	---	---	---	111	29	88
6	---	---	---	---	---	---	---	---	---	55	31	41
7	---	---	---	---	---	---	---	---	---	63	37	52
8	---	---	---	---	---	---	---	---	---	79	52	60
9	---	---	---	---	---	---	---	---	---	104	79	91
10	---	---	---	---	---	---	---	---	---	113	104	108
11	---	---	---	---	---	---	131	127	130	118	85	111
12	---	---	---	---	---	---	135	129	132	115	107	113
13	---	---	---	---	---	---	136	135	136	---	---	---
14	---	---	---	---	---	---	139	136	138	---	---	---
15	---	---	---	---	---	---	140	138	139	---	---	---
16	---	---	---	---	---	---	140	138	139	96	61	74
17	---	---	---	---	---	---	215	40	131	162	88	115
18	---	---	---	---	---	---	118	104	114	114	56	69
19	---	---	---	---	---	---	128	118	122	86	63	74
20	---	---	---	---	---	---	132	127	129	99	86	94
21	---	---	---	---	---	---	131	128	130	103	93	100
22	---	---	---	---	---	---	130	125	127	95	52	68
23	---	---	---	---	---	---	135	126	131	97	68	85
24	---	---	---	---	---	---	133	80	126	108	97	103
25	---	---	---	---	---	---	90	46	63	115	108	111
26	---	---	---	---	---	---	102	74	88	126	115	118
27	---	---	---	---	---	---	125	102	115	131	125	128
28	---	---	---	---	---	---	133	125	130	137	130	134
29	---	---	---	---	---	---	134	131	133	140	134	137
30	---	---	---	---	---	---	135	133	134	141	136	139
31	---	---	---	---	---	---	---	---	---	143	139	141
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	143	139	141	99	35	53	133	119	125	147	135	142
2	144	141	142	60	42	54	137	128	133	146	137	142
3	157	63	98	98	51	67	138	61	124	---	---	---
4	108	90	101	78	34	67	122	86	100	---	---	---
5	125	108	115	77	49	65	127	102	118	---	---	---
6	135	94	126	108	61	82	143	101	124	---	---	---
7	119	48	75	130	107	119	134	129	132	---	---	---
8	102	55	82	136	107	123	136	132	135	---	---	---
9	122	102	113	117	103	112	142	135	138	---	---	---
10	132	122	127	108	36	92	143	137	141	---	---	---
11	136	51	125	89	41	64	143	138	141	---	---	---
12	130	47	117	104	88	94	145	68	134	155	141	148
13	113	37	76	110	48	99	141	59	109	153	139	148
14	94	54	76	122	91	113	120	87	107	155	42	128
15	109	94	103	131	122	127	135	119	128	104	69	84
16	119	109	114	132	---	---	142	132	138	124	104	114
17	110	43	75	132	123	128	142	136	139	131	123	128
18	96	57	75	135	120	130	142	136	140	138	130	134
19	101	53	79	139	122	134	144	121	140	141	133	137
20	102	72	88	137	125	132	131	91	108	146	135	140
21	115	101	109	141	136	139	139	130	134	145	130	139
22	120	115	118	141	96	132	146	133	137	143	43	105
23	123	120	122	134	47	82	141	133	137	91	50	75
24	132	122	126	108	74	94	142	134	139	111	91	102
25	136	132	134	128	108	119	139	123	130	122	111	117
26	136	135	136	136	127	132	139	132	136	143	121	127
27	144	66	129	139	134	137	145	138	142	134	125	129
28	124	71	95	141	137	139	146	64	131	137	129	133
29	119	85	105	142	137	140	129	68	107	138	130	135
30	135	47	112	142	63	102	138	122	129	138	124	133
31	---	---	---	124	87	104	147	131	138	---	---	---
MONTH	157	37	108	142	---	---	147	59	129	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	7.2	7.1	7.1
2	---	---	---	---	---	---	---	---	---	7.2	6.9	7.1
3	---	---	---	---	---	---	---	---	---	7.1	6.8	7.0
4	---	---	---	---	---	---	---	---	---	7.0	6.9	7.0
5	---	---	---	---	---	---	---	---	---	7.0	6.4	7.0
6	---	---	---	---	---	---	---	---	---	6.5	6.1	6.3
7	---	---	---	---	---	---	---	---	---	6.2	6.1	6.2
8	---	---	---	---	---	---	---	---	---	6.8	6.2	6.5
9	---	---	---	---	---	---	---	---	---	6.9	6.8	6.8
10	---	---	---	---	---	---	---	---	---	6.9	6.8	6.9
11	---	---	---	---	---	---	7.1	7.0	7.1	7.0	6.8	6.9
12	---	---	---	---	---	---	7.1	7.0	7.1	6.9	6.8	6.9
13	---	---	---	---	---	---	7.2	7.1	7.1	---	---	---
14	---	---	---	---	---	---	7.2	7.1	7.2	---	---	---
15	---	---	---	---	---	---	7.3	7.1	7.2	---	---	---
16	---	---	---	---	---	---	7.3	7.1	7.2	6.8	6.3	6.4
17	---	---	---	---	---	---	7.4	6.6	7.1	7.0	6.8	6.9
18	---	---	---	---	---	---	7.1	7.0	7.0	7.0	6.2	6.5
19	---	---	---	---	---	---	7.1	7.0	7.1	6.9	6.2	6.8
20	---	---	---	---	---	---	7.2	7.1	7.1	6.9	6.9	6.9
21	---	---	---	---	---	---	7.2	7.1	7.1	7.0	6.8	6.9
22	---	---	---	---	---	---	7.2	7.1	7.1	7.0	6.7	6.8
23	---	---	---	---	---	---	7.2	7.1	7.1	6.9	6.8	6.9
24	---	---	---	---	---	---	7.1	7.0	7.1	7.0	6.9	7.0
25	---	---	---	---	---	---	7.0	6.8	6.9	7.0	6.9	7.0
26	---	---	---	---	---	---	7.1	7.0	7.0	7.0	6.9	6.9
27	---	---	---	---	---	---	7.1	7.1	7.1	7.0	6.9	7.0
28	---	---	---	---	---	---	7.1	7.0	7.1	7.0	6.9	7.0
29	---	---	---	---	---	---	7.1	7.0	7.1	7.0	6.9	7.0
30	---	---	---	---	---	---	7.1	7.0	7.1	7.2	6.9	7.0
31	---	---	---	---	---	---	---	---	---	7.1	7.0	7.1
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.2	7.0	7.1	7.0	6.5	6.8	7.0	6.9	7.0	7.0	6.8	6.8
2	7.2	7.0	7.1	6.6	6.5	6.6	7.1	7.0	7.0	6.9	6.8	6.9
3	7.0	6.7	6.9	6.9	6.4	6.8	7.1	6.8	7.0	---	---	---
4	7.0	6.8	6.9	6.8	6.6	6.7	7.0	6.8	6.9	---	---	---
5	7.0	6.9	7.0	6.9	6.5	6.7	7.0	6.9	7.0	---	---	---
6	7.0	6.8	6.9	7.0	6.8	7.0	7.0	6.9	6.9	---	---	---
7	7.0	6.7	6.8	7.1	7.0	7.1	7.0	6.9	7.0	---	---	---
8	7.0	6.7	6.9	7.1	7.0	7.1	7.0	6.9	7.0	---	---	---
9	7.1	7.0	7.0	7.2	7.1	7.1	7.0	6.9	7.0	---	---	---
10	7.0	7.0	7.0	7.2	6.6	7.1	7.0	6.9	6.9	---	---	---
11	7.2	6.9	7.0	7.0	6.6	6.9	7.0	6.8	6.9	---	---	---
12	7.1	6.9	7.0	7.0	7.0	7.0	7.0	6.7	6.9	7.0	6.8	6.9
13	7.0	6.5	7.0	7.1	6.8	7.0	7.1	6.8	7.0	7.0	6.8	6.8
14	7.0	6.7	6.9	7.1	7.0	7.0	7.0	6.8	6.9	7.0	6.2	6.8
15	7.0	7.0	7.0	7.2	7.0	7.1	7.0	6.9	7.0	6.8	6.4	6.7
16	7.0	6.9	6.9	7.2	7.0	7.1	7.1	7.0	7.0	6.9	6.8	6.8
17	6.9	6.5	6.6	7.1	7.0	7.1	7.1	6.9	7.0	6.9	6.5	6.8
18	6.8	6.5	6.7	7.2	7.0	7.1	7.1	6.9	7.0	6.9	6.3	6.4
19	6.8	6.4	6.6	7.2	7.0	7.0	7.1	6.9	7.0	7.0	6.2	6.4
20	7.0	6.8	6.9	7.1	7.0	7.1	7.1	6.7	6.8	7.0	6.3	6.4
21	7.0	7.0	7.0	7.2	7.0	7.1	7.0	6.9	7.0	7.0	6.3	6.6
22	7.0	7.0	7.0	7.2	6.9	7.1	7.1	6.9	7.0	6.9	6.2	6.5
23	7.1	7.0	7.1	7.1	6.7	6.9	7.1	6.9	6.9	6.6	6.2	6.3
24	7.1	7.0	7.1	7.0	6.9	7.0	7.0	6.8	6.9	6.6	6.2	6.3
25	7.1	7.0	7.1	7.1	7.0	7.1	7.2	6.7	6.8	6.6	6.3	6.4
26	7.2	7.1	7.1	7.1	7.0	7.1	6.9	6.8	6.9	6.7	6.3	6.4
27	7.2	6.7	7.1	7.2	7.0	7.0	7.0	6.8	6.9	6.7	6.3	6.4
28	7.1	6.8	6.9	7.2	7.0	7.1	7.0	6.4	6.9	6.8	6.3	6.4
29	7.1	6.9	7.1	7.2	7.0	7.1	6.7	6.4	6.6	6.8	6.3	6.5
30	7.2	6.8	7.1	7.1	6.7	6.8	6.8	6.6	6.7	6.8	6.4	6.6
31	---	---	---	6.9	6.7	6.8	6.9	6.7	6.8	---	---	---
MAX	7.2	7.1	7.1	7.2	7.1	7.1	7.2	7.0	7.0	---	---	---
MIN	6.8	6.4	6.6	6.6	6.4	6.6	6.7	6.4	6.6	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	21.6	18.9	20.0
2	---	---	---	---	---	---	---	---	---	22.0	19.1	20.1
3	---	---	---	---	---	---	---	---	---	19.7	18.1	18.6
4	---	---	---	---	---	---	---	---	---	20.4	17.1	18.8
5	---	---	---	---	---	---	---	---	---	20.8	18.9	19.9
6	---	---	---	---	---	---	---	---	---	19.8	18.4	18.9
7	---	---	---	---	---	---	---	---	---	19.7	18.7	19.1
8	---	---	---	---	---	---	---	---	---	21.6	19.5	20.4
9	---	---	---	---	---	---	---	---	---	22.2	19.6	20.9
10	---	---	---	---	---	---	---	---	---	22.5	20.2	21.5
11	---	---	---	---	---	---	14.5	10.6	12.3	22.5	19.3	20.9
12	---	---	---	---	---	---	16.6	11.8	14.0	20.4	17.9	19.1
13	---	---	---	---	---	---	18.4	14.1	15.9	---	---	---
14	---	---	---	---	---	---	19.2	15.1	16.8	---	---	---
15	---	---	---	---	---	---	19.9	16.2	17.6	---	---	---
16	---	---	---	---	---	---	19.6	16.7	17.9	20.2	18.3	19.1
17	---	---	---	---	---	---	19.4	17.2	18.0	21.3	18.9	20.0
18	---	---	---	---	---	---	19.8	17.6	18.5	21.3	19.8	20.3
19	---	---	---	---	---	---	18.2	17.0	17.6	19.8	17.5	18.4
20	---	---	---	---	---	---	18.2	17.0	17.4	18.4	16.8	17.4
21	---	---	---	---	---	---	18.2	17.2	17.6	19.2	17.8	18.4
22	---	---	---	---	---	---	19.2	16.0	17.2	19.1	18.7	19.0
23	---	---	---	---	---	---	18.7	15.0	16.5	20.0	18.1	19.0
24	---	---	---	---	---	---	17.2	14.8	15.7	20.5	17.8	19.3
25	---	---	---	---	---	---	17.5	15.0	16.2	20.4	18.1	19.4
26	---	---	---	---	---	---	17.6	16.0	16.9	20.8	19.1	20.0
27	---	---	---	---	---	---	19.0	15.9	17.4	20.3	18.4	19.4
28	---	---	---	---	---	---	19.5	16.9	18.0	20.3	17.6	19.0
29	---	---	---	---	---	---	20.5	17.4	18.7	20.4	18.4	19.3
30	---	---	---	---	---	---	21.5	18.4	19.6	20.6	17.6	19.0
31	---	---	---	---	---	---	---	---	---	21.5	18.9	20.1
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.9	19.4	20.4	22.6	21.1	21.6	25.5	23.3	24.2	26.9	24.1	25.2
2	21.1	18.3	19.5	21.9	21.4	21.6	25.9	23.9	24.6	26.1	23.5	24.6
3	21.0	19.5	20.3	23.1	21.0	22.0	25.0	24.0	24.4	---	---	---
4	22.7	20.1	21.5	25.4	22.0	23.0	24.9	23.1	23.9	---	---	---
5	22.4	19.8	21.1	24.2	22.8	23.2	25.7	23.8	24.6	---	---	---
6	22.4	20.2	20.6	23.8	22.1	23.0	24.6	22.7	23.9	---	---	---
7	24.0	20.6	21.8	24.0	22.3	23.3	24.3	22.3	23.1	---	---	---
8	23.6	21.8	22.6	24.7	22.8	23.7	25.4	22.9	23.7	---	---	---
9	23.7	21.1	22.3	25.4	23.4	24.3	25.5	22.9	23.8	---	---	---
10	23.8	20.9	22.2	24.9	23.7	24.1	25.1	23.0	23.7	---	---	---
11	24.9	22.4	23.4	25.1	22.9	23.8	24.8	22.5	23.4	23.5	---	---
12	25.6	22.0	23.2	24.7	22.6	23.8	25.5	22.3	23.3	23.5	19.5	21.2
13	26.1	22.3	23.3	24.6	22.5	23.6	25.8	23.0	23.9	23.6	19.2	21.1
14	24.4	22.7	23.4	25.6	22.9	23.7	26.4	23.8	24.9	24.2	20.0	21.6
15	24.0	22.1	23.1	24.7	22.7	23.5	27.0	24.5	25.3	23.4	21.7	22.5
16	24.6	22.8	23.6	24.9	23.0	24.1	26.2	24.3	25.2	22.7	20.4	21.4
17	24.5	22.0	23.0	25.7	23.4	24.4	26.7	23.8	24.9	23.0	19.9	21.2
18	24.3	22.6	23.2	25.7	23.6	24.5	27.0	24.1	25.2	22.5	18.7	20.4
19	24.7	22.3	23.2	25.8	24.1	24.7	27.3	24.4	25.5	22.7	18.6	20.5
20	23.9	22.2	23.1	26.0	24.1	24.9	26.8	24.8	25.7	23.3	19.3	21.1
21	22.9	19.7	21.3	26.7	24.4	25.2	27.0	24.3	25.3	22.7	20.1	21.4
22	21.9	19.1	20.8	25.5	23.5	24.3	26.8	23.9	25.1	23.8	21.4	22.2
23	22.5	20.1	21.6	24.4	22.4	23.5	27.3	24.2	25.4	22.5	21.1	21.8
24	23.4	21.0	22.2	24.4	22.0	23.2	27.1	23.8	25.2	21.9	19.7	20.7
25	23.6	21.8	22.7	24.5	22.1	23.1	26.8	24.6	25.5	22.7	19.6	20.8
26	23.3	22.0	22.7	25.4	22.9	23.8	26.7	24.3	25.3	22.5	19.6	20.9
27	23.1	21.8	22.5	25.2	23.0	23.9	27.0	24.3	25.4	22.9	19.6	21.0
28	23.1	21.0	22.1	26.2	23.5	24.5	27.4	23.9	25.3	21.5	18.4	20.1
29	23.8	21.9	22.8	26.8	24.1	25.0	26.5	23.7	24.8	18.8	16.1	17.4
30	23.5	22.4	23.1	24.8	22.9	24.1	26.3	24.2	25.1	18.1	14.4	16.2
31	---	---	---	25.9	23.5	24.3	27.0	24.3	25.4	---	---	---
MONTH	26.1	18.3	22.2	26.8	21.0	23.7	27.4	22.3	24.7	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	8.8	8.1	8.4
2	---	---	---	---	---	---	---	---	---	8.8	7.9	8.3
3	---	---	---	---	---	---	---	---	---	8.5	7.8	8.0
4	---	---	---	---	---	---	---	---	---	8.5	7.9	8.2
5	---	---	---	---	---	---	---	---	---	8.5	6.9	7.8
6	---	---	---	---	---	---	---	---	---	8.3	6.6	7.8
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	10.1	9.3	9.7	---	---	---
12	---	---	---	---	---	---	9.9	8.9	9.4	---	---	---
13	---	---	---	---	---	---	9.7	8.7	9.1	---	---	---
14	---	---	---	---	---	---	9.7	8.7	9.1	---	---	---
15	---	---	---	---	---	---	9.7	8.6	9.0	---	---	---
16	---	---	---	---	---	---	9.7	8.5	8.9	---	---	---
17	---	---	---	---	---	---	9.5	8.3	8.7	8.5	8.0	8.3
18	---	---	---	---	---	---	8.7	7.9	8.3	---	---	---
19	---	---	---	---	---	---	9.3	7.9	8.6	---	---	---
20	---	---	---	---	---	---	9.4	8.6	8.9	---	---	---
21	---	---	---	---	---	---	9.2	8.5	8.8	---	---	---
22	---	---	---	---	---	---	9.5	8.6	9.0	---	---	---
23	---	---	---	---	---	---	9.9	8.9	9.3	---	---	---
24	---	---	---	---	---	---	10.0	8.9	9.3	---	---	---
25	---	---	---	---	---	---	9.7	8.6	9.0	---	---	---
26	---	---	---	---	---	---	9.1	8.6	8.9	---	---	---
27	---	---	---	---	---	---	9.3	8.7	8.9	---	---	---
28	---	---	---	---	---	---	9.1	8.5	8.8	---	---	---
29	---	---	---	---	---	---	8.9	8.4	8.6	---	---	---
30	---	---	---	---	---	---	8.8	8.3	8.5	---	---	---
31	---	---	---	---	---	---	---	---	---	8.6	7.7	8.1
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.7	7.6	8.1	8.2	---	---	7.6	6.5	7.3	7.0	3.5	4.7
2	9.1	7.7	8.4	---	---	---	7.8	6.7	7.2	6.4	2.9	4.7
3	8.5	7.4	7.8	---	---	---	7.7	6.5	7.1	---	---	---
4	8.0	6.8	7.5	---	---	---	7.8	6.6	7.3	---	---	---
5	8.0	6.7	7.6	---	---	---	7.2	6.1	6.7	---	---	---
6	8.1	7.2	7.8	---	---	---	7.2	5.8	6.7	---	---	---
7	8.5	7.8	8.0	---	---	---	7.6	6.5	7.1	---	---	---
8	8.1	7.7	7.9	---	---	---	7.4	6.1	6.8	---	---	---
9	8.4	7.7	8.1	---	---	---	7.7	5.8	6.6	---	---	---
10	8.5	7.6	8.1	---	---	---	7.9	5.0	6.3	---	---	---
11	8.0	7.3	7.7	---	---	---	7.4	4.7	6.1	---	---	---
12	7.8	7.4	7.6	---	---	---	8.5	5.1	6.9	8.6	4.3	6.0
13	8.0	7.0	7.5	---	---	---	8.3	6.4	7.4	---	---	---
14	7.9	7.5	7.7	---	---	---	7.6	6.4	7.0	---	---	---
15	8.2	7.6	7.9	---	---	---	7.7	6.0	6.8	---	---	---
16	7.9	7.3	7.7	---	---	---	7.6	5.3	6.3	---	---	---
17	8.3	5.7	7.2	---	---	---	8.0	4.4	6.2	---	---	---
18	7.8	7.1	7.5	---	---	---	7.9	4.4	6.2	8.1	6.6	7.2
19	7.7	7.2	7.4	---	---	---	8.2	4.5	6.5	8.3	6.7	7.3
20	8.1	7.6	7.8	---	---	---	6.9	5.0	5.8	8.6	5.3	7.0
21	8.8	7.8	8.4	---	---	---	7.2	5.3	6.3	8.3	5.3	6.7
22	9.0	8.2	8.6	8.3	6.7	7.5	7.1	4.8	6.1	---	---	---
23	8.9	8.2	8.5	8.4	7.4	7.7	7.7	4.7	5.8	---	---	---
24	8.8	8.1	8.4	8.1	7.5	7.8	7.2	3.5	4.8	---	---	---
25	8.9	8.0	8.5	8.2	7.3	7.8	7.1	4.2	5.2	---	---	---
26	8.8	8.0	8.4	8.2	7.2	7.6	6.2	3.2	4.7	---	---	---
27	8.7	7.9	8.2	8.3	6.8	7.5	6.6	3.7	5.1	---	---	---
28	8.3	7.6	7.9	8.3	6.7	7.4	6.9	3.8	5.3	---	---	---
29	8.2	7.6	7.9	8.3	6.3	7.3	6.6	4.8	5.7	---	---	---
30	8.1	7.5	7.8	7.9	6.2	6.9	5.9	3.1	4.2	---	---	---
31	---	---	---	7.2	6.2	6.7	5.1	3.0	3.9	---	---	---
MONTH	9.1	5.7	7.9	---	---	---	8.5	3.0	6.2	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	18	9.7	12
2	---	---	---	---	---	---	---	---	---	88	8.4	11
3	---	---	---	---	---	---	---	---	---	140	19	50
4	---	---	---	---	---	---	---	---	---	53	13	20
5	---	---	---	---	---	---	---	---	---	1400	10	16
6	---	---	---	---	---	---	---	---	---	1900	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	7.6	5.1	5.9	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	<5.0	---	1600	110	240
17	---	---	---	---	---	---	2200	<5.0	5.2	390	44	63
18	---	---	---	---	---	---	120	13	27	1800	100	480
19	---	---	---	---	---	---	28	5.3	7.7	300	58	120
20	---	---	---	---	---	---	9.2	5.1	6.8	58	30	38
21	---	---	---	---	---	---	22	5.5	7.8	79	23	30
22	---	---	---	---	---	---	19	7.1	10	640	79	240
23	---	---	---	---	---	---	47	5.3	11	110	32	56
24	---	---	---	---	---	---	67	5.7	16	40	25	28
25	---	---	---	---	---	---	610	18	160	---	---	---
26	---	---	---	---	---	---	60	18	29	---	---	---
27	---	---	---	---	---	---	20	9.9	12	---	---	---
28	---	---	---	---	---	---	14	<5.0	10	---	---	---
29	---	---	---	---	---	---	18	8.8	11	---	---	---
30	---	---	---	---	---	---	26	9.9	12	---	---	---
31	---	---	---	---	---	---	---	---	---	26	9.6	12
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

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< Actual value is known to be less than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336728 UTOY CREEK AT GREAT SOUTHWEST PKWY NR ATLANTA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 334436 LONGITUDE 0843406 NAD27 DRAINAGE AREA 33.91 CONTRIBUTING DRAINAGE AREA DATUM 660.10 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19	9.1	11	---	---	---	100	19	32	16	2.6	<5.0
2	16	8.1	9.8	---	---	---	31	16	22	10	3.9	5.6
3	420	14	160	---	---	---	120	20	25	---	---	---
4	170	39	64	---	---	---	160	32	58	---	---	---
5	52	17	22	---	---	---	150	35	95	---	---	---
6	100	14	22	---	---	---	140	70	---	---	---	---
7	1200	69	300	---	---	---	130	86	120	---	---	---
8	520	32	66	---	---	---	200	96	110	---	---	---
9	35	19	25	400	12	19	140	95	120	---	---	---
10	28	15	18	1600	12	20	160	76	90	---	---	---
11	150	14	18	770	90	150	96	34	74	---	---	---
12	420	20	48	100	20	34	80	10	21	---	---	---
13	>2200	39	180	670	20	110	110	33	58	---	---	---
14	390	60	110	67	18	21	120	39	64	---	---	---
15	64	29	42	58	12	16	48	6.4	18	---	---	---
16	37	20	24	120	15	---	10	<5.0	5.9	---	---	---
17	---	---	---	27	11	15	14	<5.0	5.6	---	---	---
18	---	---	---	160	10	14	6.0	<5.0	<5.0	14	7.3	9.5
19	---	---	---	---	---	---	38	<5.0	7.2	13	6.8	8.8
20	---	---	---	---	---	---	72	5.4	44	15	6.4	8.5
21	---	---	---	---	---	---	10	<5.0	<5.0	40	6.3	8.4
22	---	---	---	67	6.3	12	5.6	<5.0	<5.0	1400	6.8	18
23	---	---	---	1300	26	200	4.6	<5.0	<5.0	460	27	71
24	---	---	---	140	20	36	69	<5.0	8.7	64	11	15
25	---	---	---	20	9.1	---	41	<5.0	9.0	15	6.2	7.8
26	---	---	---	15	7.2	9.2	11	<5.0	<5.0	40	5.9	8.4
27	1700	9.7	12	14	7.9	9.4	8.6	<5.0	<5.0	10	6.6	7.9
28	450	49	88	16	7.7	12	86	<5.0	<5.0	13	6.4	8.6
29	49	13	19	33	13	21	53	15	18	24	7.5	9.1
30	820	14	16	820	32	140	26	14	17	28	6.6	9.0
31	---	---	---	120	68	91	27	<5.0	14	---	---	---
MAX	---	---	---	---	---	---	200	96	---	---	---	---
MIN	---	---	---	---	---	---	4.6	5.0	---	---	---	---

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

APALACHICOLA RIVER BASIN
2003 Water Year

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA

LOCATION.—Lat 33°44'36", long 84°34'06" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, on the upstream side of the bridge on Great Southwest Parkway, 0.3 miles downstream from GA 70, and 0.3 miles upstream of confluence with the Chattahoochee River.

DRAINAGE AREA.—33.9 square miles.

COOPERATION.—City of Atlanta, and U. S. Geological Survey National Water-Quality Assessment (NAWQA) Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—June 22 1963 to July 25, 1995, February 2, 2000 to December 11, 2000, March 28, 2003 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analysis with analyzing agency code 81345 is by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, dissolved oxygen, and turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)
AUG													
19...	1010	9	2.88	9.7	81345	7.4	747	6.8	84	7.3	137	25.0	41
19...	1011	9	2.88	9.7	80020	7.4	747	6.8	84	7.3	137	25.0	--
19...	1030	9	2.89	10	81345	8.2	747	6.8	84	7.3	137	25.0	42
19...	1031	9	2.89	10	80020	8.2	747	6.8	84	7.3	137	25.0	--

Date	Noncarb hardness, wat flt lab, mg/L as CaCO3 (00905)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt Gran, lab, mg/L as CaCO3 (29803)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
AUG													
19...	2	11.1	3.27	2.69	.5	7.03	26	39.4	<.1	6.50	.2	20.7	12.0
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
19...	2	11.2	3.29	2.76	.5	7.18	26	39.5	<.1	6.50	.1	20.9	12.0
19...	--	--	--	--	--	--	--	--	--	--	--	--	--

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

Date	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L (00660)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	E coli, Coli-lert Quantry water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Colert Quantry MPN/ 100 mL (50569)
AUG													
19...	89	.12	.15	.116	.39	<.100	.021	.007	<.004	.74	240	480	13000
19...	--	--	--	--	--	--	--	--	--	--	240	480	13000
19...	90	.12	.17	.134	.39	<.100	--	<.084	.04	.72	170	E340	13000
19...	--	--	--	--	--	--	--	--	--	--	170	E340	13000

Date	Barium, water, fltrd, ug/L (01005)	Iron, water, fltrd, ug/L (01046)	Stront-ium, water, fltrd, ug/L (01080)	Alum-inum, water, fltrd, ug/L (01106)	Mangan-ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Sampler type, code (84164)
AUG													
19...	29.1	<100	70	<50	350	--	--	--	--	--	--	--	3070
19...	--	--	--	6	329	127	E.02n	.8	1.3	E.04n	1.17	<.20	3070
19...	29.2	<100	70	<50	340	--	--	--	--	--	--	--	3044
19...	--	--	--	7	322	121	E.02n	E.5n	1.2	<.08	1.14	<.20	3044

Date	Sam-pling method, code (82398)
AUG	
19...	70
19...	70
19...	10
19...	10

Date	Time	Medium code	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Agency ana-lyzing sample, code (00028)	Tur-bidity, water, unfltrd field, NTU (61028)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)
AUG													
19...	1000	1	2.88	9.7	81350	7.4	7.9	1.0	12	500	4	1.6	140

Date	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Thall-ium, suspnd sedimnt ug/g (49955)	Titan-ium, suspnd sedimnt total, percent (30317)
AUG													
19...	87	110	11	110	27	--o	3	100	1	<1	97	<100	.370

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

Date	Vanadium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Sampler type, code (84164)	Sampling method, code (82398)
AUG 19...	120	4200	<100	2	3070	70

Date	Time	Medium code	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Agency analyzing sample, code (00028)	1,4-Dichlorobenzene water, fltrd, ug/L (34572)	1-Methylnaphthalene, water, fltrd, ug/L (62054)	2,6-Dimethylnaphthalene, water, fltrd, ug/L (62055)	2-Methylnaphthalene, water, fltrd, ug/L (62056)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxyanisole wat flt ug/L (62059)	4-Cumylphenol, water, fltrd, ug/L (62060)
AUG 19...	1031	9	2.89	10	80020	<.5	<.5	<.5	<.5	<2	<1	<5	<1

Date	4-Octylphenol, water, fltrd, ug/L (62061)	4-Nonylphenol, water, fltrd, ug/L (62085)	4-tert-Octylphenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)	9,10-Anthraquinone water, fltrd, ug/L (62066)	Acetophenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Anthracene, water, fltrd, ug/L (34221)	Benzo[a]pyrene, water, fltrd, ug/L (34248)	Benzophenone water, fltrd, ug/L (62067)	beta-Sitosterol, water, fltrd, ug/L (62068)	beta-Stigmastanol, water, fltrd, ug/L (62086)	Bisphenol A, water, fltrd, ug/L (62069)
AUG 19...	<1	<5	<1	<2	<.5	<.5	<.5	<.5	<.5	<.5	<2	<2	<1

Date	Bromacil, water, fltrd, ug/L (04029)	Caffeine, water, fltrd, ug/L (50305)	Camphor water, fltrd, ug/L (62070)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	Cotinine, water, fltrd, ug/L (62005)	DEET, water, fltrd, ug/L (62082)	Diazinon, water, fltrd, ug/L (39572)	Diethoxynonylphenol, water, fltrd, ug/L (62083)	Diethoxyoctylphenol, water, fltrd ug/L (61705)	D-Limonene, water, fltrd, ug/L (62073)
AUG 19...	E.3	E.2	<.5	<1	<.5	<.5	<2	<1	E.1	<.5	<5	<1	<.5

Date	Ethoxyoctylphenol, water, fltrd ug/L (61706)	Fluoranthene water, fltrd, ug/L (34377)	HHCB, water, fltrd, ug/L (62075)	Indole, water, fltrd, ug/L (62076)	Isoborneol, water, fltrd, ug/L (62077)	Isophorone water, fltrd, ug/L (34409)	Isopropylbenzene water, fltrd, ug/L (62078)	Isoquinoline, water, fltrd, ug/L (62079)	Menthol water, fltrd, ug/L (62080)	Metalaxyl, water, fltrd, ug/L (50359)	Methyl salicylate, water, fltrd, ug/L (62081)	Metolachlor, water, fltrd, ug/L (39415)	Naphthalene, water, fltrd, ug/L (34443)
AUG 19...	<1	M	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5

Date	p-Cresol, water, fltrd, ug/L (62084)	Pentachlorophenol, water, fltrd, ug/L (34459)	Phenanthrene, water, fltrd, ug/L (34462)	Phenol, water, fltrd, ug/L (34466)	Prometon, water, fltrd, ug/L (04037)	Pyrene, water, fltrd, ug/L (34470)	Tetrachloroethene, water, fltrd, ug/L (34476)	Tribromomethane water, fltrd, ug/L (34288)	Tributyl phosphate, water, fltrd, ug/L (62089)	Triclosan, water, fltrd, ug/L (62090)	Triethyl citrate water, fltrd, ug/L (62091)	Triphenyl phosphate, water, fltrd, ug/L (62092)	Tris(2-butoxyethyl) phosphate, wat flt ug/L (62093)
AUG 19...	<1	<2	M	<.5	<.5	M	<.5	<.5	<.5	<1	<.5	<.5	<.5

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

Date	Tris(2-chloro-ethyl) phos-phate, wat flt ug/L (62087)	Tris(di chloro-i-Pr) phos-phate, wat flt ug/L (62088)	Di-chlor-vos, water fltrd, ug/L (38775)	Sampler type, code (84164)	Sam-pling method, code (82398)
AUG					
19...	<.5	<.5	<1.00	3044	10

Date	Time	Medium code	Sample purpose code (71999)	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Tur-bidity, water, unfltrd field, NTU (61028)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	Temper-ature, water, deg C (00010)
MAR													
28...	1200	9	15.00	80020	3.20	--	745	8.9	95	7.1	138	810	17.4
SEP													
17...	1515	9	15.00	80020	2.96	13	742	5.5	63	6.8	132	3500k	22.7

Date	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitro-gen, water, unfltrd mg/L (00605)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Partic-ulate nitro-gen, susp, water, mg/L (49570)
MAR													
28...	5.58	13.3	.39	.17	.13	2.06	.46	.48	.056	.017	.26	E.01	.12
SEP													
17...	6.01	10.7	.85	.57	.44	1.42	.32	.34	.049	.015	.40	<.02	.07

Date	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor-ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	1-Naph-thol, water, fltrd 0.7u GF ug/L (49295)	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino] propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)	3,4-Di-chloro-aniline water fltrd, ug/L (61625)
MAR													
28...	.038	.87	.5	<.1	.5	2.4	<.09	<.006	<.1	<.005	E.005	<.004	.020
SEP													
17...	.071	1.2	.5	--i	--i	3.2	M	<.006	<.1	<.005	<.006	<.004	.032

Date	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	Cyflu-thrin, water, fltrd, ug/L (61585)	Cyper-methrin water, fltrd, ug/L (61586)
MAR													
28...	E.003	<.006	<.004	.072	<.02	<.050	<.010	E.005	<.06	<.005	<.006	<.008	<.009
SEP													
17...	<.006	<.006	<.004	.083	--u	<.050	<.010	E.021	<.06	E.003t	<.006	<.008	<.009

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

Date	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinyl fipronil amide, wat flt ug/L (62169)
MAR													
28...	<.003	<.004	<.04	E.005	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009
SEP													
17...	<.003	<.004	<.01	.010	<.08	<.005	<.006	<.03	<.004	<.031	--u	<.03	<.009

Date	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)
MAR													
28...	<.005	<.005	<.007	<.002	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03
SEP													
17...	E.004	<.005	E.007	<.002	<.003	.014	<1	<.003	<.008	<.027	<.005	<.006	<.03

Date	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)
MAR													
28...	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005	.010	.035
SEP													
17...	<.006	<.013	<.007	<.008	<.022	<.10	<.011	<.06	<.008	.02	<.005	<.004	.017

Date	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sampler type, code (84164)	Sampling method, code (82398)
MAR										
28...	<.02	<.07	<.02	<.01	<.009	<.01	78	7	3045	10
SEP										
17...	.02	<.07	<.02	<.01	<.009	<.01	81	15	3045	10

Date	Time	Medium code	Biomass periphyton, ashfree drymass g/m2 (49954)	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)	Sampler type, code (84164)
APR								
29...	1415	D	2.6	E43	E46.00	1.8	2.9	280
29...	1420	D	3.7	E160	E160.6	1.1	4.1	280

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this report:
   k -- Counts outside acceptable range
   t -- Below the long-term MDL
   n -- Below the NDV

Null value qualifier codes used in this report:
   i -- Required sample type not received
   u -- Unable to determine-matrix interference
   o -- Insufficient amount of water

APALACHICOLA RIVER BASIN
2003 Water Year

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA

LOCATION.—Lat 33°44'36", long 84°34'06" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, on the upstream side of the bridge on Great Southwest Parkway, 0.3 miles downstream from GA 70, and 0.3 miles upstream of confluence with the Chattahoochee River.

DRAINAGE AREA.—33.9 square miles.

COOPERATION.—City of Atlanta, and U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—June 22 1963 to July 25, 1995, February 2, 2000 to December 11, 2000, March 28, 2003 to September 30, 2003.

REMARKS.—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analysis with analyzing agency code 81345 is by the U.S. Geological Survey Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Dissolved Oxygen, and Turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Sample purpose code (71999)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	Temperature, water, deg C (00010)
MAR													
28...	1200	9	15.00	80020	3.20	--	745	8.9	95	7.1	138	810	17.4
SEP													
17...	1515	9	15.00	80020	2.96	13	742	5.5	63	6.8	132	3500k	22.7

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)
MAR													
28...	5.58	13.3	.39	.17	.13	2.06	.46	.48	.056	.017	.26	E.01	.12
SEP													
17...	6.01	10.7	.85	.57	.44	1.42	.32	.34	.049	.015	.40	<.02	.07

Date	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)-amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)
MAR													
28...	.038	.87	.5	<.1	.5	2.4	<.09	<.006	<.1	<.005	E.005	<.004	.020
SEP													
17...	.071	1.2	.5	--i	--i	3.2	M	<.006	<.1	<.005	<.006	<.004	.032

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

Date	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	Cyflu-thrin, water, fltrd, ug/L (61585)	Cyper-methrin water, fltrd, ug/L (61586)
MAR													
28...	E.003	<.006	<.004	.072	<.02	<.050	<.010	E.005	<.06	<.005	<.006	<.008	<.009
SEP													
17...	<.006	<.006	<.004	.083	--u	<.050	<.010	E.021	<.06	E.003t	<.006	<.008	<.009

Date	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diaz-inon oxon, water, fltrd, ug/L (61638)	Diazi-non, water, fltrd, ug/L (39572)	Dicro-tophos, water fltrd, ug/L (38454)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)
MAR													
28...	<.003	<.004	<.04	E.005	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009
SEP													
17...	<.003	<.004	<.01	.010	<.08	<.005	<.006	<.03	<.004	<.031	--u	<.03	<.009

Date	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexa-zinone, water, fltrd, ug/L (04025)	Ipro-dione, water, fltrd, ug/L (61593)	Isofen-phos, water, fltrd, ug/L (61594)	Mala-oxon, water, fltrd, ug/L (61652)	Mala-thion, water, fltrd, ug/L (39532)	Meta-laxyl, water, fltrd, ug/L (61596)	Methi-althion water, fltrd, ug/L (61598)	Methyl para-oxon, water, fltrd, ug/L (61664)
MAR													
28...	<.005	<.005	<.007	<.002	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03
SEP													
17...	E.004	<.005	E.007	<.002	<.003	.014	<1	<.003	<.008	<.027	<.005	<.006	<.03

Date	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Myclo-butanil water, fltrd, ug/L (61599)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prome-ton, water, fltrd, ug/L (04037)	Prome-tryn, water, fltrd, ug/L (04036)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)	Sima-zine, water, fltrd, ug/L (04035)
MAR													
28...	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005	.010	.035
SEP													
17...	<.006	<.013	<.007	<.008	<.022	<.10	<.011	<.06	<.008	.02	<.005	<.004	.017

Date	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Ter-bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Ter-buthyl-azine, water, fltrd, ug/L (04022)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Di-chlor-vos, water fltrd, ug/L (38775)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sampler type, code (84164)	Sam-pling method, code (82398)
MAR										
28...	<.02	<.07	<.02	<.01	<.009	<.01	78	7	3045	10
SEP										
17...	.02	<.07	<.02	<.01	<.009	<.01	81	15	3045	10

02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY, NEAR ATLANTA, GA—continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
APR								
29...	1415	D	2.6	E43	E46.00	1.8	2.9	280
29...	1420	D	3.7	E160	E160.6	1.1	4.1	280

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
k -- Counts outside acceptable range
t -- Below the long-term MDL

Null value qualifier codes used in this report:
i -- Required sample type not received
u -- Unable to determine-matrix interference

APALACHICOLA RIVER BASIN
2003 Water Year

02336822 MILL CREEK AT MORNING SIDE DRIVE, NEAR HIRAM, GA

LOCATION.—Lat 33°15'14", long 84°45'00" referenced to North American Datum (NAD) of 1983, Paulding County, Hydrologic Unit 03130002, at bridge crossing on Morning Side Drive, 2.4 miles above mouth.

DRAINAGE AREA.—36.0 square miles.

COOPERATION.— U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---March 2003 to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
MAR													
13...	1700	9	80020	--	57	10	9.8	--	8.8	90	6.7	63	16.5
SEP													
18...	1300	9	80020	3.20	15	10	7.8	744	8.0	90	7.2	79	19.7

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)
MAR													
13...	2.57	3.7	.23	<.04	.23	<.008	<.02	.03	.013	.47	.2	<.1	.2
SEP													
18...	3.51	1.5	.18	<.04	.20	<.008	<.02	<.02	.009	.38	.2	<.1	.2

Date	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)-amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)
MAR													
13...	2.4	48	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	.008
SEP													
18...	2.3	130	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007

Date	Azinphosmethyl oxon, water, fltrd, ug/L (61635)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)
MAR													
13...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.04	<.005
SEP													
18...	--u	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005

02336822 MILL CREEK AT MORNING SIDE DRIVE, NEAR HIRAM, GA—continued.

Date	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinylfipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)
MAR													
13...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
SEP													
18...	<.08	<.005	<.006	<.03	<.004	<.031	--u	<.03	<.009	<.005	<.005	<.007	<.002

Date	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methidathion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)
MAR													
13...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
SEP													
18...	<.003	E.007	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)
MAR													
13...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	.084	<.02	<.07	<.02	<.01
SEP													
18...	<.022	<.10	<.011	<.06	<.008	.03	<.005	<.004	<.005	<.02	<.07	<.02	<.01

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
MAR						
13...	<.009	<.01	96	8	15.00	3045
SEP						
18...	<.009	<.01	77	5	15.00	3045

02336822 MILL CREEK AT MORNING SIDE DRIVE, NEAR HIRAM, GA—continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
APR								
30...	1000	D	9.7	120	132.9	.6	2.0	280

Remark codes used in this report:
< -- Less than
E -- Estimated value

Null value qualifier codes used in this report:
u -- Unable to determine-matrix interference

02336876 POWDER SPRINGS CREEK AT OGLESBY ROAD, NEAR POWDER SPRINGS, GA

LOCATION.—Lat 33°50'27", long 84°40'38" referenced to North American Datum (NAD) of 1983, Cobb County, Hydrologic Unit 03130002, at bridge crossing on Oglesby Road, and 1.74 miles above mouth.

DRAINAGE AREA.—25.6 square miles.

COOPERATION.— U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---March 2003 to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
MAR													
13...	1245	9	80020	--	33	10	12	742	8.6	85	6.8	78	14.7
SEP													
18...	0930	9	80020	1.47	9.5	40	7.6	745	8.0	86	7.1	93	18.0

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)
MAR													
13...	3.74	4.1	.19	E.02	.32	<.008	<.02	.03	.020	.51	.2	<.1	.2
SEP													
18...	3.92	2.1	.15	<.04	.29	<.008	<.02	<.02	.011	.45	.2	<.1	.2

Date	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)
MAR													
13...	2.3	250	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	.030
SEP													
18...	1.8	330	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	E.003t

02336876 POWDER SPRINGS CREEK AT OGLESBY ROAD, NEAR POWDER SPRINGS, GA---continued

Date	Azinphos-methyl oxon, water, fltrd, ug/L (61635)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)
MAR													
13...	<.02	<.050	<.010	E.005	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.04	<.005
SEP													
18...	--u	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	E.004n

Date	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)
MAR													
13...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
SEP													
18...	<.08	<.005	<.006	<.03	<.004	<.031	--u	<.03	<.009	<.005	<.005	<.007	<.002

Date	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methidathion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)
MAR													
13...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
SEP													
18...	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)
MAR													
13...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	.064	<.02	<.07	<.02	<.01
SEP													
18...	<.022	<.10	<.011	<.06	<.008	Mt	<.005	<.004	.005	<.02	<.07	<.02	<.01

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
MAR						
13...	<.009	<.01	84	16	15.00	3045
SEP						
18...	<.009	<.01	91	6	15.00	3070

02336876 POWDER SPRINGS CREEK AT OGLESBY ROAD, NEAR POWDER SPRINGS, GA---continued

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
APR								
30...	1315	D	12.4	180	194.5	1.3	1.0	280

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this report:
   n -- Below the NDV
   t -- Below the long-term MDL

Null value qualifier codes used in this report:
   u -- Unable to determine-matrix interference

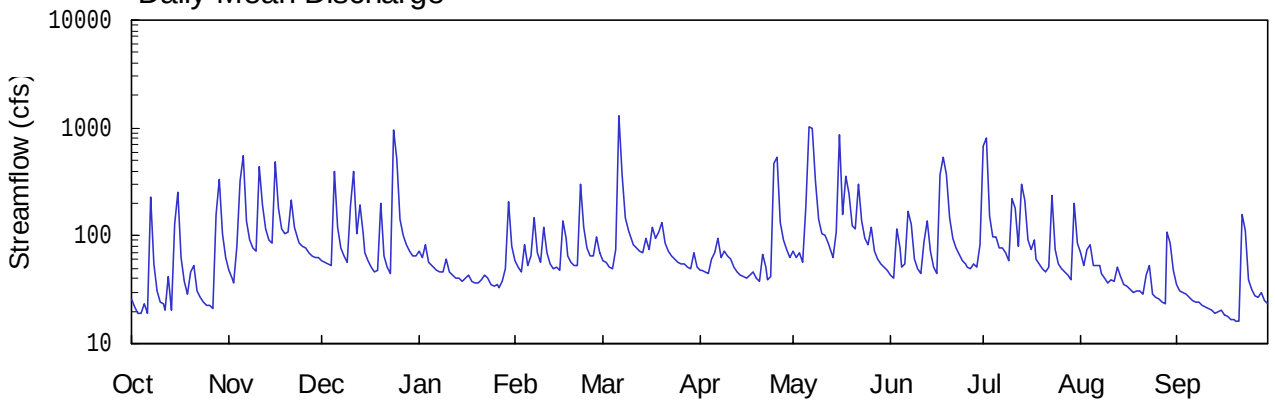
2003 Water Year

02336968 NOSES CREEK AT POWDER SPRINGS RD,POWDER SPRINGS,GA

Latitude: 33°51'33" Longitude: 084°39'10" Hydrologic Unit Code: 03130002 Cobb County

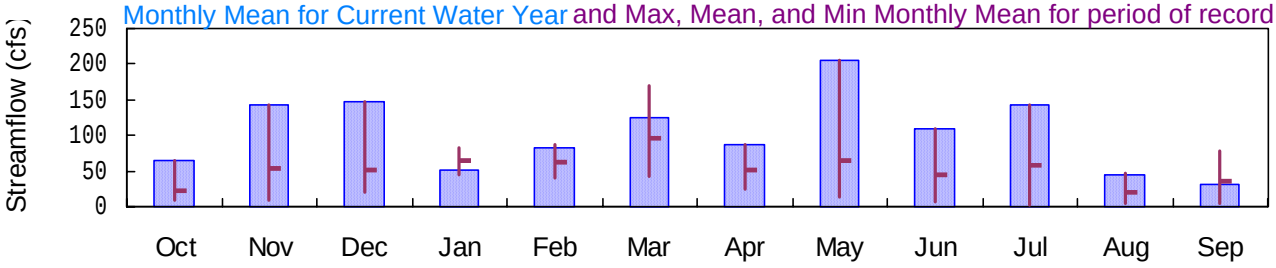
Drainage Area: 44.5 mi^2 Datum: 882. feet

Daily Mean Discharge

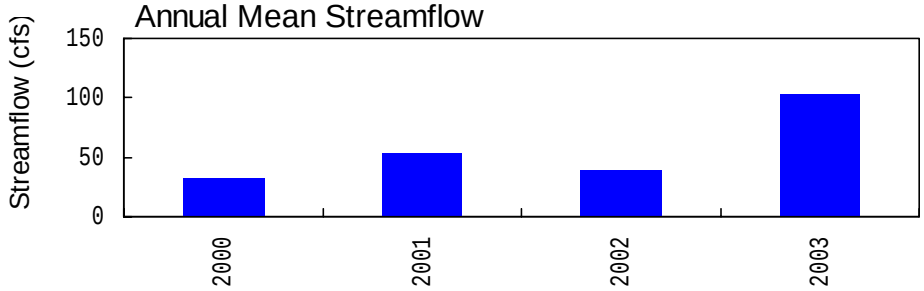


Monthly Statistics

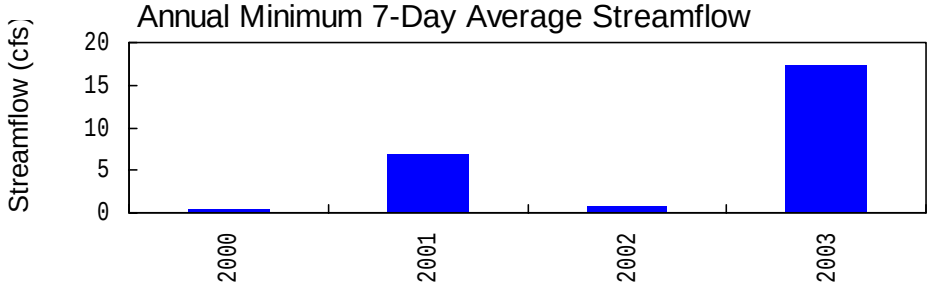
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



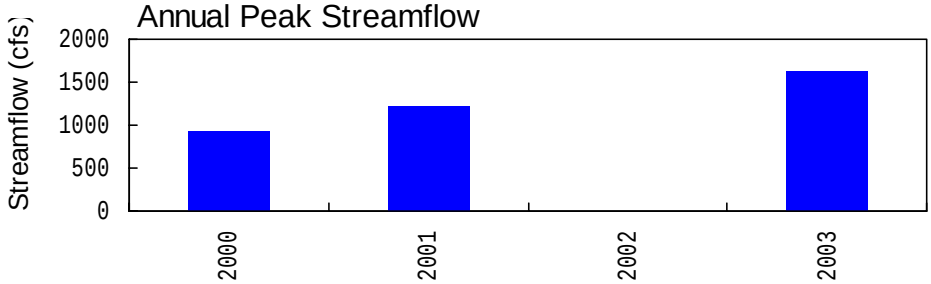
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



02336968 NOSES CREEK AT POWDER SPRINGS ROAD, NEAR POWDER SPRINGS, GA

LOCATION.—Lat 33°51'33", long 84°39'10" referenced to North American Datum (NAD) of 1983, Cobb County, Hydrologic Unit 03130002, on the right downstream abutment, 1.9 miles east of Powder Springs, 0.2 miles north of Seaboard Coast Line Railway, and 3.2 miles above mouth.

DRAINAGE AREA.—44.5 square miles.

COOPERATION.—Cobb County Water System.

WATER–DISCHARGE RECORDS

PERIOD OF RECORD.—July 16, 1998 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 882.8 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Cobb County).

REMARKS.—Records fair.

WATER–STAGE RECORDS

PERIOD OF RECORD.—July 16, 1998 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 882.8 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Cobb County).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.53 feet, May 7; minimum gage-height recorded, 1.36 feet, September 20, 21.

PRECIPITATION RECORDS

PERIOD OF RECORD.—December 18, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336968 NOSES CREEK AT POWDER SPRINGS RD,POWDER SPRINGS,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 335133 LONGITUDE 0843910 NAD27 DRAINAGE AREA 44.5 CONTRIBUTING DRAINAGE AREA 44.5* DATUM 882.8 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	48	59	72	59	59	48	73	43	674	69	35
2	22	40	56	63	51	56	48	63	40	794	53	31
3	19	37	55	82	47	52	46	70	114	151	76	30
4	19	81	54	58	83	49	44	57	76	99	83	28
5	23	326	395	54	53	74	61	188	52	98	54	26
6	19	547	122	50	65	1290	69	1030	54	78	53	25
7	225	138	78	47	146	373	94	1000	167	77	52	24
8	54	93	65	47	69	147	63	325	128	68	44	24
9	31	77	58	46	57	113	72	144	61	59	40	23
10	25	72	187	62	121	91	64	104	49	224	37	22
11	23	438	394	47	69	82	61	101	44	183	39	21
12	21	190	103	43	56	78	51	86	89	79	38	20
13	42	117	192	41	49	72	47	68	137	301	51	19
14	20	92	106	40	50	69	43	63	71	211	42	19
15	128	86	71	38	48	95	42	108	51	90	36	20
16	256	489	59	40	140	74	40	855	44	76	34	18
17	62	e178	51	43	95	119	44	160	367	92	32	18
18	38	114	46	38	66	94	46	356	535	61	30	17
19	29	104	48	37	57	107	40	242	366	55	30	17
20	46	e110	197	37	53	133	38	123	145	50	31	16
21	53	e215	66	38	54	84	67	115	95	46	28	16
22	31	e120	51	43	304	71	51	297	76	52	43	155
23	27	95	45	40	119	64	39	137	67	240	53	111
24	24	86	954	35	77	60	42	95	59	74	29	39
25	23	80	511	34	64	57	475	82	54	56	26	31
26	22	76	e140	35	65	54	527	119	51	50	26	28
27	21	70	e100	33	97	55	134	71	49	46	24	27
28	159	65	81	37	69	51	91	61	55	43	24	30
29	334	63	72	49	---	50	74	55	51	39	108	25
30	104	62	66	203	---	69	63	50	84	202	86	23
31	63	---	64	80	---	52	---	48	---	85	49	---
TOTAL	1989	4309	4546	1612	2283	3894	2624	6346	3274	4453	1420	938
MEAN	64.2	144	147	52.0	81.5	126	87.5	205	109	144	45.8	31.3
MAX	334	547	954	203	304	1290	527	1030	535	794	108	155
MIN	19	37	45	33	47	49	38	48	40	39	24	16
CFSM	1.44	3.23	3.30	1.17	1.83	2.82	1.97	4.60	2.45	3.23	1.03	0.70
IN.	1.66	3.60	3.80	1.35	1.91	3.26	2.19	5.30	2.74	3.72	1.19	0.78

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	21.3	53.2	52.3	64.7	61.9	95.9	52.2	65.3	44.5	56.9	20.1	35.9
MAX	64.2	144	147	82.8	87.8	169	87.5	205	109	144	45.8	77.8
(WY)	2003	2003	2003	2002	2001	2001	2003	2003	2003	2003	2003	2000
MIN	9.08	10.0	19.7	44.6	39.1	43.3	24.1	13.6	6.42	2.89	4.15	3.49
(WY)	1999	2002	2000	2000	2002	1999	1999	2000	2000	2000	2002	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	23647.44		37688			
ANNUAL MEAN	64.8		103		52.3	
HIGHEST ANNUAL MEAN					103	2003
LOWEST ANNUAL MEAN					32.6	2000
HIGHEST DAILY MEAN	954	Dec 24	1290	Mar 6	1290	Mar 6 2003
LOWEST DAILY MEAN	0.49	Sep 12	16	Sep 20	0.09	Aug 19 2000
ANNUAL SEVEN-DAY MINIMUM	0.68	Sep 6	17	Sep 15	0.35	Aug 13 2000
MAXIMUM PEAK FLOW			1630	May 7	2880	Jun 30 1999
MAXIMUM PEAK STAGE			11.53	May 7	12.60	Jun 30 1999
INSTANTANEOUS LOW FLOW			15	Sep 20	0.31	Sep 13 2002
ANNUAL RUNOFF (CFSM)	1.46		2.32		1.18	
ANNUAL RUNOFF (INCHES)	19.77		31.51		15.98	
10 PERCENT EXCEEDS	152		194		101	
50 PERCENT EXCEEDS	27		60		25	
90 PERCENT EXCEEDS	5.3		26		7.0	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336968 NOSES CREEK AT POWDER SPRINGS RD,POWDER SPRINGS,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 335133 LONGITUDE 0843910 NAD27 DRAINAGE AREA 44.5 CONTRIBUTING DRAINAGE AREA 44.5* DATUM 882.8 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.08	2.41	2.55	2.49	2.32	2.33	1.99	2.30	1.93	6.49	2.19	1.75
2	2.01	2.30	2.52	2.38	2.21	2.28	1.99	2.18	1.89	7.22	1.99	1.68
3	1.95	2.26	2.50	2.60	2.15	2.22	1.97	2.27	2.72	3.06	2.26	1.66
4	1.95	2.82	2.49	2.31	2.61	2.18	1.94	2.11	2.34	2.54	2.35	1.63
5	2.02	4.57	5.18	2.25	2.24	2.40	2.15	3.16	2.04	2.52	2.00	1.60
6	1.93	6.12	3.24	2.20	2.37	10.02	2.23	8.81	2.06	2.30	1.99	1.57
7	3.99	3.39	2.79	2.16	3.25	4.72	2.54	8.41	3.22	2.28	1.98	1.56
8	2.49	2.96	2.64	2.15	2.45	3.08	2.18	4.44	2.85	2.19	1.87	1.56
9	2.16	2.78	2.54	2.14	2.30	2.75	2.29	3.04	2.16	2.07	1.81	1.54
10	2.06	2.72	3.51	2.36	3.02	2.52	2.20	2.65	2.00	3.36	1.77	1.52
11	2.03	5.43	5.16	2.15	2.45	2.41	2.16	2.61	1.94	3.28	1.79	1.50
12	1.98	3.82	3.07	2.10	2.28	2.36	2.03	2.45	2.40	2.31	1.78	1.48
13	2.32	3.21	3.80	2.07	2.18	2.29	1.97	2.25	2.93	4.17	1.96	1.46
14	1.97	2.96	3.09	2.06	2.20	2.25	1.93	2.18	2.28	3.50	1.84	1.46
15	3.03	2.89	2.70	2.04	2.17	2.55	1.90	2.68	2.03	2.44	1.75	1.48
16	4.23	5.85	2.56	2.06	3.16	2.32	1.89	7.73	1.94	2.27	1.73	1.44
17	2.59	---	2.45	2.11	2.76	2.76	1.93	3.18	4.66	2.45	1.69	1.42
18	2.27	3.18	2.38	2.04	2.41	2.55	1.97	4.60	5.85	2.10	1.66	1.40
19	2.14	3.08	2.41	2.02	2.30	2.67	1.88	3.82	4.68	2.01	1.67	1.39
20	2.34	---	3.79	2.02	2.24	2.93	1.86	2.84	3.00	1.95	1.67	1.38
21	2.47	---	2.64	2.04	2.25	2.43	2.20	2.76	2.50	1.89	1.64	1.38
22	2.17	---	2.45	2.10	4.44	2.28	2.02	4.23	2.28	1.97	1.79	2.70
23	2.10	2.99	2.37	2.07	3.01	2.20	1.87	2.98	2.17	3.73	1.96	2.58
24	2.04	2.89	8.05	1.99	2.55	2.15	1.91	2.56	2.06	2.26	1.65	1.80
25	2.02	2.81	5.73	1.97	2.40	2.11	5.41	2.41	2.00	2.02	1.60	1.69
26	2.01	2.77	---	1.99	2.40	2.08	5.73	2.78	1.96	1.94	1.58	1.63
27	1.99	2.69	---	1.96	2.79	2.09	2.95	2.28	1.93	1.89	1.56	1.61
28	3.19	2.64	2.60	2.02	2.45	2.03	2.52	2.16	2.01	1.85	1.55	1.65
29	4.79	2.61	2.49	2.17	---	2.01	2.31	2.09	1.96	1.80	2.46	1.57
30	3.07	2.59	2.41	3.76	---	2.25	2.19	2.02	2.30	3.33	2.37	1.54
31	2.60	---	2.39	2.58	---	2.04	---	1.99	---	2.38	1.93	---
MEAN	2.45	---	---	2.21	2.55	2.69	2.34	3.29	2.54	2.76	1.87	1.62
MAX	4.79	---	---	3.76	4.44	10.02	5.73	8.81	5.85	7.22	2.46	2.70
MIN	1.93	---	---	1.96	2.15	2.01	1.86	1.99	1.89	1.80	1.55	1.38

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02336968 NOSES CREEK AT POWDER SPRINGS RD,POWDER SPRINGS,GA SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 335133 LONGITUDE 0843910 NAD27 DRAINAGE AREA 44.5 CONTRIBUTING DRAINAGE AREA 44.5* DATUM 882.8 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	2.87	0.00	0.00
2	0.00	0.00	0.00	---	0.00	0.01	0.00	0.44	0.00	0.01	0.00	0.00
3	0.00	0.37	0.00	---	0.00	0.00	0.00	0.10	1.08	0.00	0.43	0.00
4	0.18	---	0.25	---	0.28	0.01	0.00	0.00	0.13	0.00	0.00	0.02
5	0.00	---	0.83	---	0.00	1.21	0.36	3.46	0.00	0.64	0.05	0.00
6	0.40	---	0.00	---	0.71	1.53	0.44	1.00	0.59	0.00	0.13	0.00
7	0.57	---	0.00	---	0.02	0.00	0.22	0.55	0.30	0.00	0.00	0.00
8	0.00	0.00	0.00	---	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	---	0.17	0.00	0.11	0.00	0.00	0.00	0.00	0.00
10	0.03	0.05	1.34	0.09	0.26	0.00	0.06	0.00	0.00	1.61	0.00	0.00
11	0.01	1.19	0.00	0.00	0.00	0.00	0.00	0.11	0.06	0.01	0.00	0.00
12	0.08	0.11	0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.00	0.18	0.00
13	0.41	0.00	0.54	0.00	0.00	0.00	0.00	0.00	0.34	1.06	0.36	0.00
14	0.00	0.00	---	0.00	0.10	0.00	0.00	0.03	0.00	0.00	0.01	0.09
15	1.33	0.49	---	0.00	0.00	0.35	0.00	1.57	0.00	0.00	0.00	0.00
16	0.04	0.72	---	0.10	0.59	0.00	0.00	1.81	0.55	0.33	0.06	0.00
17	0.00	0.00	---	0.00	0.00	0.49	0.14	0.03	1.70	0.00	0.00	0.00
18	0.00	0.00	---	0.00	0.00	0.02	0.00	0.79	1.06	0.00	0.00	0.00
19	0.00	---	---	0.00	0.00	0.58	0.00	0.04	0.06	0.00	0.00	0.00
20	0.40	---	---	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
21	0.01	---	---	0.12	0.11	0.00	0.19	0.36	0.00	0.02	0.00	0.10
22	0.00	---	---	0.08	0.62	0.00	0.00	0.94	0.00	0.30	0.00	1.14
23	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.01	0.00
24	0.00	---	2.37	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00
25	0.08	---	0.01	0.00	0.00	0.00	1.88	0.09	0.00	0.00	0.00	0.00
26	0.00	---	0.00	0.00	0.26	0.00	0.01	0.07	0.00	0.00	0.00	0.00
27	0.00	0.00	---	0.00	0.14	0.00	0.00	0.00	0.03	0.00	0.00	0.18
28	1.40	0.00	---	0.00	0.00	0.00	0.00	0.00	0.68	0.00	0.07	0.00
29	0.23	0.00	---	0.67	---	0.09	0.00	0.00	0.01	0.00	1.22	0.00
30	0.01	0.00	---	0.63	---	0.24	0.00	0.00	0.51	1.54	0.20	0.00
31	0.00	---	---	0.00	---	0.00	---	0.00	---	0.56	0.00	---
TOTAL	5.18	---	---	---	3.26	4.58	3.91	11.39	8.23	9.90	2.72	1.53

02336968 NOSES CREEK AT POWDER SPRINGS ROAD, AT POWDER SPRINGS, GA

LOCATION.—Lat 33°51'33", long 84°39'10" referenced to North American Datum (NAD) of 1927, Cobb County, Hydrologic Unit 03130002, on the right downstream abutment, 1.9 miles east of Powder Springs, 0.2 miles north of Seaboard Coast Line Railway, and 3.2 miles above mouth.

DRAINAGE AREA.—44.5 square miles.

COOPERATION.—Cobb County Water System, and U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---November 2002 to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
NOV													
13...	1300	9	80020	3.17	114	10	16	749	7.8	75	6.9	83	13.0
JAN													
21...	1445	9	80020	2.03	38	10	5.3	741	10.3	91	7.4	84	8.5
MAR													
13...	1015	9	80020	2.29	73	10	11	742	9.9	94	6.9	78	13.3
MAY													
22...	1345	9	80020	5.61	466	40	110	743	7.7	84	6.4	64	18.2
JUL													
07...	1445	9	80020	2.19	65	10	10	749	7.1	84	6.9	85	23.0
SEP													
19...	1230	9	80020	1.39	15	40	5.9	745	8.8	96	6.9	97	18.5

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)
NOV													
13...	2.89	4.9	.28	<.04	.27	<.008	<.02	.09	.032	.55	.5	<.1	.5
JAN													
21...	2.99	3.7	<.10	<.04	.39	<.008	<.02	.03	.007	--	.1	<.1	.1
MAR													
13...	3.12	4.2	.17	<.04	.35	<.008	<.02	<.02	.018	.52	.1	<.1	.1
MAY													
22...	2.33	3.5	.97	<.04	.23	E.007	<.02	.40	.164	1.2	4.3	--i	--i
JUL													
07...	3.53	3.2	.22	E.03	.32	<.008	<.02	.05	.021	.54	.4	<.1	.4
SEP													
19...	3.85	2.2	.12	<.04	.26	<.008	<.02	.03	.009	.38	.2	<.1	.2

02336968 NOSES CREEK AT POWDER SPRINGS, GA---continued.

Date	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naph-thol, water, fltrd 0.7u GF ug/L (49295)	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)	3,4-Di-chloro-aniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	Atra-zine, water, fltrd, ug/L (39632)
NOV													
13...	3.5	300	E.01	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	.028
JAN													
21...	1.4	--	<.09	<.006	<.1	<.005	E.002	<.004	<.004	<.006	<.006	<.004	E.006
MAR													
13...	2.4	100	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	.022
MAY													
22...	6.1	7000	<.09	<.006	<.1	<.005	E.005	<.004	<.004	<.006	<.006	<.004	.022
JUL													
07...	2.7	270	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	E.007n
SEP													
19...	1.7	120	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	E.004t

Date	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	Cyflu-thrin, water, fltrd, ug/L (61585)	Cyper-methrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diaz-inon oxon, water, fltrd, ug/L (61638)	Diazi-non, water, fltrd, ug/L (39572)
NOV													
13...	<.02	<.050	<.010	E.012	<.06	<.005	<.006	<.008	<.009	<.003	<.004	--	.007
JAN													
21...	<.02	<.050	<.010	E.004	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.04	E.003
MAR													
13...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.04	E.005
MAY													
22...	<.02	<.050	<.010	E.035	<.06	E.003	<.006	<.008	<.009	<.003	<.004	<.01	.036
JUL													
07...	<.02	<.050	<.010	E.011t	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	.006
SEP													
19...	--u	<.050	<.010	E.006t	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005

Date	Dicro-tophos, water fltrd, ug/L (38454)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)
NOV													
13...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
JAN													
21...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
MAR													
13...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
MAY													
22...	<.08	<.005	<.006	<.03	<.004	<.008	<.12	<.03	<.009	E.003	.005	E.009	<.002
JUL													
07...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.006	E.006	<.002
SEP													
19...	<.08	<.005	<.006	<.03	<.004	<.031	--u	<.03	<.009	<.005	<.006	<.007	<.002

02336968 NOSES CREEK AT POWDER SPRINGS, GA---continued.

Date	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)
NOV													
13...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
JAN													
21...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	E.003	<.006	<.008
MAR													
13...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	E.002	<.006	<.008
MAY													
22...	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
JUL													
07...	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	E.007
SEP													
19...	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)
NOV													
13...	<.022	<.10	<.011	<.06	<.008	E.01	<.005	<.004	.496	<.02	<.07	<.02	<.01
JAN													
21...	<.022	<.10	<.011	<.06	<.008	M	<.005	<.004	.104	<.02	<.07	<.02	<.01
MAR													
13...	E.013	<.10	<.011	<.06	<.008	<.01	<.005	<.004	.404	<.02	<.07	<.02	<.01
MAY													
22...	E.018	<.10	<.011	<.06	<.008	<.01	<.005	<.004	.026	<.02	<.07	<.02	<.01
JUL													
07...	<.022	<.10	<.011	<.06	<.008	E.01t	<.005	<.004	.020	<.02	<.07	<.02	<.01
SEP													
19...	<.022	<.10	<.011	<.06	<.008	Mt	<.005	<.004	.019	<.02	<.07	<.02	<.01

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
NOV						
13...	<.009	<.01	93	14	15.00	3045
JAN						
21...	<.009	<.01	87	6	15.00	3045
MAR						
13...	<.009	<.01	92	11	15.00	3045
MAY						
22...	<.009	<.01	84	142	15.00	3060
JUL						
07...	<.009	<.01	90	8	15.00	3045
SEP						
19...	<.009	<.01	100	3	15.00	3070

02336968 NOSES CREEK AT POWDER SPRINGS, GA---continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
APR								
30...	1530	D	7.7	140	149.2	<.2	.3	280

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

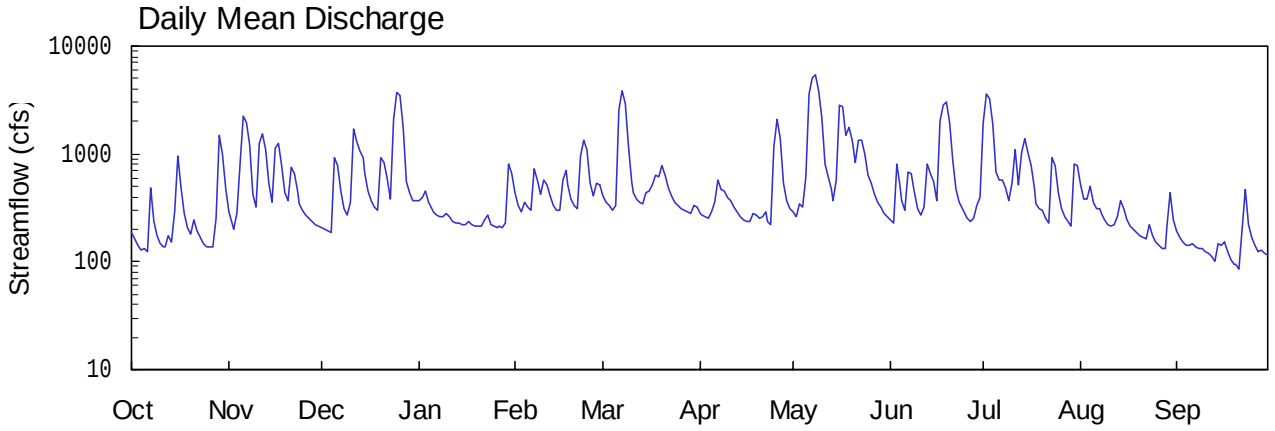
Value qualifier codes used in this report:
   n -- Below the NDV
   t -- Below the long-term MDL

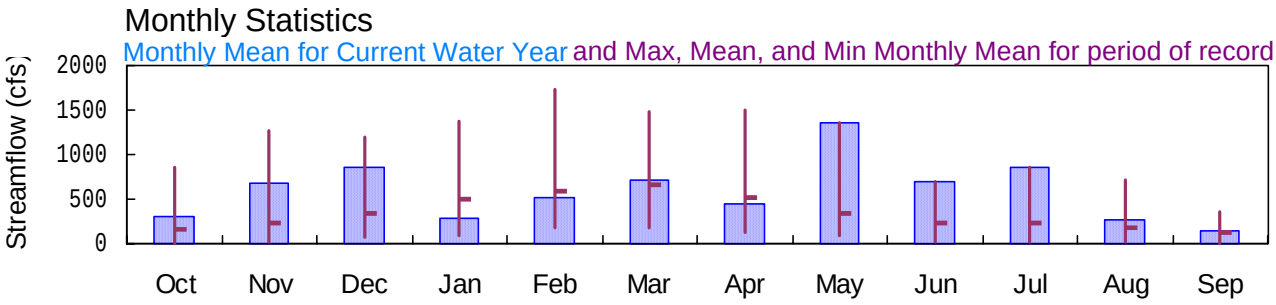
Null value qualifier codes used in this report:
   i -- Required sample type not received
   u -- Unable to determine-matrix interference

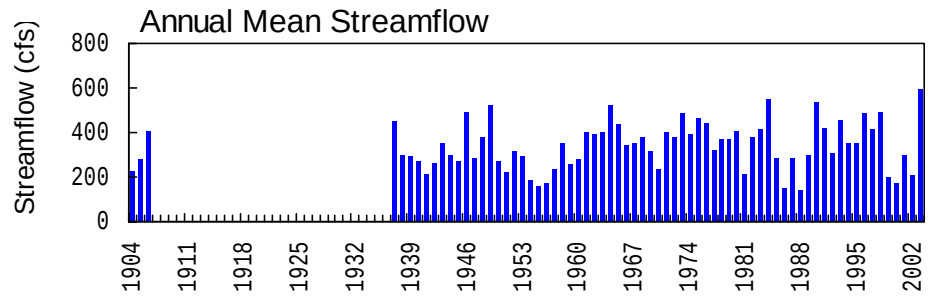
2003 Water Year

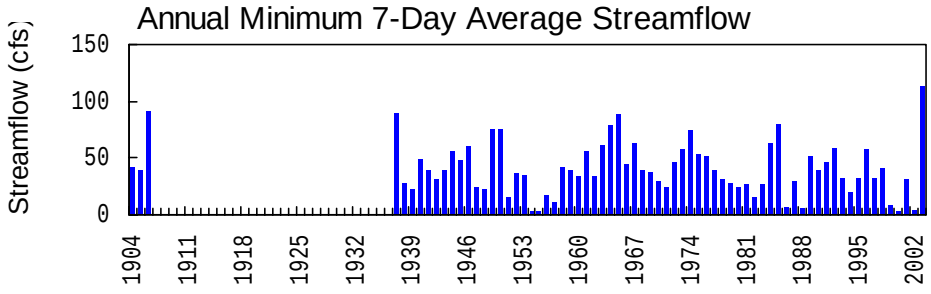
02337000 SWEETWATER CREEK NEAR AUSTELL, GA

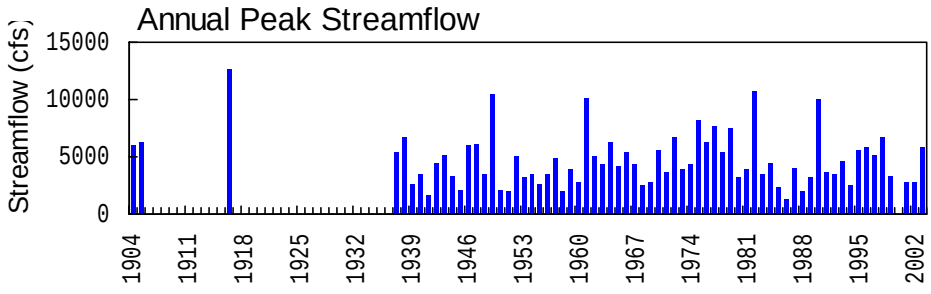
Latitude: 33°46'22" Longitude: 084°36'53" Hydrologic Unit Code: 03130002 Douglas County
Drainage Area: 246.0 mi² Datum: 857.0 feet

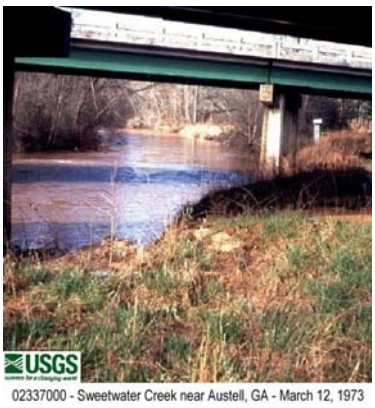












APALACHICOLA RIVER BASIN
2003 Water Year

02337000 SWEETWATER CREEK NEAR AUSTELL, GA

LOCATION.—Lat 33°46'22", long 84°36'53" referenced to North American Datum (NAD) of 1927, Douglas County, Hydrologic Unit 03130002, on right bank 100.0 feet upstream from bridge on Interstate 20, 400.0 feet upstream from Blair Bridge, 3.0 miles southeast of Austell, and 5.5 miles upstream from mouth.

DRAINAGE AREA.—246 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1904 to December 1905, November to December 1913, March 1937 to current year. Monthly discharge only for November to December 1913, published in WSP 1304.

REVISED RECORDS.—WSP 1724: 1949(M). WDR GA-79-1: 1975(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 857.01 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). From May 6, 1904, to December 31, 1905, and November 3 to December 27, 1913, a non-recording gage was located at site 2.5 miles upstream at different datum. From March 24 to November 29, 1937, a non-recording gage was located at present site and datum.

REMARKS.—Records good, except for periods of estimated discharges, which are fair.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of July 8, 1916 reached a stage of about 20.0 feet, from information by local resident; discharge, 12,600 cfs.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than a base discharge of 1,800 cfs and maximum(*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/06	1800	2,440	7.59
11/11	2345	1,850	6.14
12/11	1600	1,950	6.39
12/25	1530	3,960	10.99
03/07	1030	4,040	11.15
04/26	1615	2,240	7.10
05/08	0000	5,780*	14.59*
05/16	2315	3,250	9.45
05/19	0930	1,930	6.33
06/17	0415	2,920	8.72
06/18	1000	3,340	9.66
07/02	1800	3,860	10.77

02337000 SWEETWATER CREEK NEAR AUSTELL, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1904 to December 1905, November to December 1913, March 1937 to current year. Monthly discharge only for November to December 1913, published in WSP 1304.

REVISED RECORDS.—WSP 1724: 1949(M). WDR GA-79-1: 1975(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 857.01 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). From May 6, 1904, to December 31, 1905, and November 3 to December 27, 1913, a non-recording gage was located at site 2.5 miles upstream at different datum. From March 24 to November 29, 1937, a non-recording gage was located at present site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.59 feet, May 8; minimum gage-height recorded, 1.12 feet, September 21.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 14, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337000 SWEETWATER CREEK NEAR AUSTELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 097
LATITUDE 334622 LONGITUDE 0843653 NAD27 DRAINAGE AREA 246.00* CONTRIBUTING DRAINAGE AREA DATUM 857.01 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185	295	206	e370	443	413	283	287	245	1940	519	191
2	162	232	199	e389	331	361	268	264	229	3650	382	166
3	142	203	193	446	291	330	260	344	813	3290	376	151
4	127	285	188	358	353	305	251	321	504	1880	493	142
5	132	810	918	314	324	336	293	619	362	687	351	144
6	124	2260	790	291	305	2590	351	3640	301	582	315	145
7	480	1950	452	273	717	3870	576	5090	677	582	308	136
8	238	1200	313	265	578	2930	461	5340	660	479	277	134
9	174	428	268	262	423	1170	452	3830	430	364	247	131
10	147	318	357	281	572	550	399	2150	311	539	220	126
11	137	1250	1710	265	521	439	369	816	268	1110	214	121
12	136	1520	1310	240	405	385	323	609	319	522	223	110
13	177	1090	1070	229	328	355	288	467	798	1040	267	101
14	151	536	925	227	304	342	263	372	653	1410	371	148
15	286	357	660	221	304	444	247	582	550	e1020	313	140
16	954	1140	453	218	569	451	235	2850	369	e775	246	153
17	485	1270	363	234	703	510	240	2700	2010	e480	214	126
18	277	785	320	223	518	640	277	1500	2840	e350	199	106
19	203	441	304	214	386	611	276	1790	2990	307	187	95
20	182	369	924	212	336	792	251	1320	1970	299	177	93
21	243	749	833	216	314	645	263	839	856	253	169	86
22	193	666	597	246	969	489	295	1350	463	232	164	200
23	166	451	385	268	1340	402	241	1360	358	938	219	470
24	149	341	2080	222	1090	360	221	1000	308	787	176	223
25	138	297	3750	212	534	335	1150	632	270	443	150	170
26	136	270	3440	208	404	313	2070	542	250	308	140	141
27	136	251	1740	211	542	305	1400	426	235	263	134	124
28	257	234	563	206	510	294	544	353	251	239	133	126
29	1490	222	436	229	---	284	364	316	329	217	211	119
30	998	215	374	802	---	333	307	285	400	810	437	116
31	484	---	e370	656	---	316	---	264	---	773	247	---
TOTAL	9289	20435	26491	9008	14414	21900	13218	42258	21019	26569	8079	4434
MEAN	300	681	855	291	515	706	441	1363	701	857	261	148
MAX	1490	2260	3750	802	1340	3870	2070	5340	2990	3650	519	470
MIN	124	203	188	206	291	284	221	264	229	217	133	86
CFSM	1.22	2.77	3.47	1.18	2.09	2.87	1.79	5.54	2.85	3.48	1.06	0.60
IN.	1.40	3.09	4.01	1.36	2.18	3.31	2.00	6.39	3.18	4.02	1.22	0.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2003, BY WATER YEAR (WY)

MEAN	158	232	347	505	581	660	519	347	230	239	178	126
MAX	852	1265	1196	1378	1727	1473	1494	1363	701	857	722	352
(WY)	1990	1949	1984	1972	1961	1990	1979	2003	2003	2003	1904	2002
MIN	5.66	25.7	68.8	81.6	183	173	130	87.5	20.7	15.8	23.0	4.36
(WY)	1955	1955	1956	1956	1938	1988	1986	1988	1988	1986	1954	1954

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1904 - 2003	
ANNUAL TOTAL	125583.8		217114			
ANNUAL MEAN	344		595		340	
HIGHEST ANNUAL MEAN					595	2003
LOWEST ANNUAL MEAN					141	1988
HIGHEST DAILY MEAN	3750	Dec 25	5340	May 8	10100	Feb 4 1982
LOWEST DAILY MEAN	3.4	Sep 13	86	Sep 21	2.1	Oct 9 1954
ANNUAL SEVEN-DAY MINIMUM	4.8	Sep 7	114	Sep 15	2.3	Oct 5 1954
MAXIMUM PEAK FLOW			5780	May 8	10700	Feb 4 1982
MAXIMUM PEAK STAGE			14.59	May 8	19.90	Feb 4 1982
INSTANTANEOUS LOW FLOW			83	Sep 21	0.52	Jul 6 1990
ANNUAL RUNOFF (CFSM)	1.40		2.42		1.38	
ANNUAL RUNOFF (INCHES)	18.99		32.83		18.78	
10 PERCENT EXCEEDS	904		1310		678	
50 PERCENT EXCEEDS	182		333		197	
90 PERCENT EXCEEDS	28		150		59	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337000 SWEETWATER CREEK NEAR AUSTELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 097
LATITUDE 334622 LONGITUDE 0843653 NAD27 DRAINAGE AREA 246.00* CONTRIBUTING DRAINAGE AREA DATUM 857.01 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.69	2.17	1.78	---	2.65	2.56	2.09	2.11	1.93	6.31	2.83	1.69
2	1.58	1.90	1.74	---	2.30	2.41	2.03	2.01	1.86	10.32	2.44	1.58
3	1.48	1.77	1.72	2.66	2.15	2.30	2.00	2.32	3.55	9.53	2.42	1.51
4	1.40	2.13	1.70	2.39	2.37	2.21	1.96	2.24	2.79	6.20	2.76	1.47
5	1.43	3.51	3.80	2.24	2.27	2.28	2.12	2.99	2.38	3.25	2.35	1.48
6	1.38	7.15	3.51	2.15	2.20	7.91	2.34	10.29	2.16	2.99	2.21	1.49
7	2.72	6.38	2.66	2.08	3.34	10.80	2.97	13.26	3.23	2.99	2.19	1.44
8	1.92	4.53	2.24	2.05	3.00	8.71	2.68	13.74	3.18	2.73	2.07	1.43
9	1.64	2.60	2.06	2.03	2.59	4.45	2.66	10.69	2.59	2.39	1.94	1.41
10	1.51	2.25	2.30	2.11	2.97	2.91	2.51	6.88	2.20	2.80	1.82	1.38
11	1.46	4.63	5.80	2.05	2.85	2.62	2.41	3.57	2.03	4.30	1.80	1.36
12	1.45	5.32	4.81	1.94	2.54	2.46	2.24	3.06	2.19	2.83	1.84	1.30
13	1.64	4.24	4.18	1.89	2.29	2.36	2.11	2.69	3.53	4.11	2.02	1.24
14	1.53	2.89	3.85	1.88	2.20	2.31	2.01	2.42	3.17	5.06	2.41	1.45
15	1.99	2.39	3.20	1.85	2.21	2.62	1.94	2.98	2.91	---	2.21	1.46
16	3.91	4.40	2.68	1.84	2.94	2.65	1.89	8.52	2.40	---	1.94	1.52
17	2.75	4.70	2.41	1.91	3.30	2.80	1.90	8.19	6.53	---	1.79	1.38
18	2.09	3.51	2.26	1.86	2.84	3.14	2.07	5.27	8.49	---	1.73	1.27
19	1.77	2.64	2.20	1.82	2.48	3.06	2.06	6.00	8.87	2.19	1.68	1.20
20	1.67	2.43	3.84	1.81	2.32	3.52	1.96	4.83	6.43	2.15	1.63	1.18
21	1.95	3.42	3.63	1.83	2.24	3.15	2.00	3.63	3.67	1.96	1.60	1.14
22	1.72	3.21	3.04	1.97	3.95	2.75	2.14	4.92	2.68	1.87	1.57	1.62
23	1.60	2.67	2.48	2.06	4.87	2.51	1.91	4.92	2.37	3.85	1.82	2.66
24	1.52	2.34	6.66	1.86	4.25	2.38	1.83	4.03	2.19	3.50	1.63	1.83
25	1.46	2.18	10.55	1.81	2.88	2.29	4.39	3.12	2.04	2.62	1.51	1.60
26	1.45	2.07	9.87	1.79	2.54	2.21	6.68	2.89	1.95	2.19	1.46	1.46
27	1.45	1.99	5.85	1.80	2.91	2.18	5.03	2.58	1.89	2.01	1.43	1.38
28	1.86	1.91	2.96	1.78	2.82	2.14	2.89	2.35	1.95	1.90	1.42	1.39
29	5.25	1.86	2.63	1.88	---	2.09	2.39	2.22	2.26	1.81	1.74	1.34
30	4.02	1.82	2.45	3.54	---	2.28	2.19	2.10	2.46	3.48	2.57	1.33
31	2.75	---	---	3.19	---	2.22	---	2.01	---	3.47	1.94	---
MAX	5.25	7.15	---	---	4.87	10.80	6.68	13.74	8.87	---	2.83	2.66

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337000 SWEETWATER CREEK NEAR AUSTELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 097
LATITUDE 334622 LONGITUDE 0843653 NAD27 DRAINAGE AREA 246.00* CONTRIBUTING DRAINAGE AREA DATUM 857.01 NGVD29

APPROVED

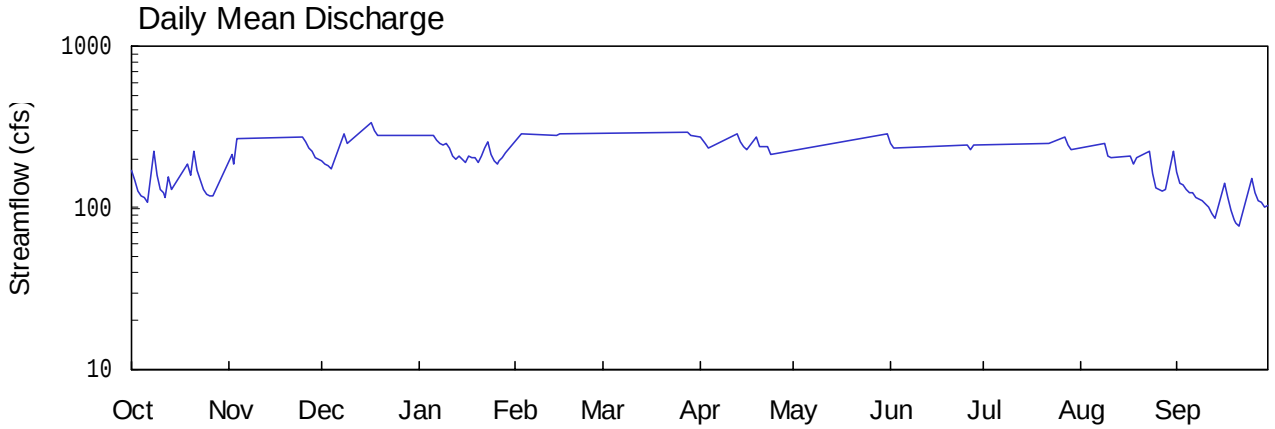
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

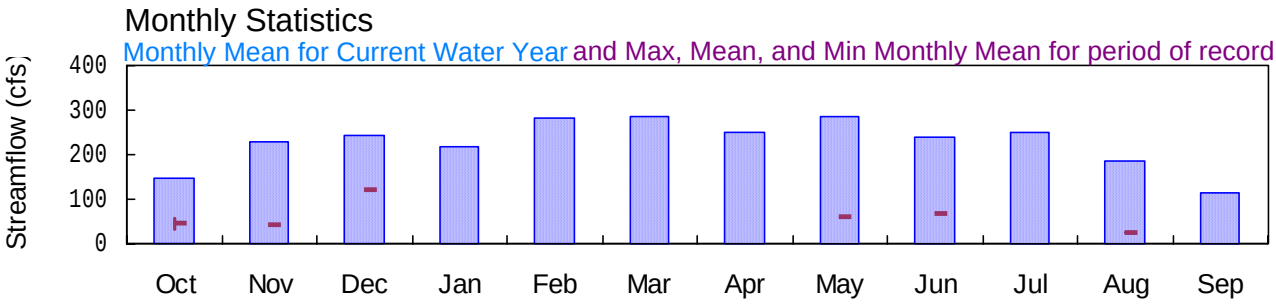
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	---	0.00	0.00	0.00	---	---	---	0.00	0.00
2	0.00	0.00	0.00	---	0.00	0.00	0.00	---	---	---	0.00	0.00
3	0.00	0.37	0.00	0.00	0.00	0.00	0.00	---	---	---	0.43	0.00
4	0.06	0.17	0.26	0.00	0.16	0.02	0.00	---	---	---	0.00	0.06
5	0.00	2.11	0.77	0.00	0.00	1.25	0.41	---	---	---	0.03	0.00
6	0.59	0.01	0.00	0.00	0.79	1.05	0.33	---	---	---	0.10	0.00
7	0.32	0.00	0.00	0.00	0.02	0.00	0.41	---	---	---	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.06	---	---	---	0.00	0.00
9	0.00	0.01	0.00	0.00	0.15	0.00	0.37	---	---	---	0.00	0.00
10	0.02	0.05	1.01	0.02	0.24	0.00	0.07	---	---	---	0.00	0.00
11	0.01	1.40	0.00	0.01	0.00	0.00	0.00	---	---	---	0.06	0.00
12	0.10	0.13	0.00	0.00	0.00	0.00	0.00	---	---	---	0.29	0.00
13	0.28	0.00	0.61	0.00	0.00	0.00	0.00	---	---	---	0.41	0.00
14	0.00	0.00	0.00	0.00	0.05	0.00	0.00	---	---	---	0.01	1.34
15	1.71	0.56	0.00	0.00	0.00	0.49	0.00	---	---	---	0.26	0.00
16	0.07	0.50	0.00	0.11	1.20	0.01	0.00	---	---	---	0.05	0.00
17	0.00	0.00	0.00	0.00	0.00	0.53	0.33	---	---	---	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.01	0.00	---	---	---	0.00	0.00
19	0.00	0.01	0.75	0.00	0.00	0.44	---	---	---	0.05	0.00	0.00
20	0.43	0.55	0.02	0.00	0.00	0.07	---	---	---	0.00	0.10	0.00
21	0.01	0.19	0.00	0.14	0.09	0.00	---	---	---	0.00	0.00	0.08
22	0.00	0.00	0.00	0.21	0.99	0.00	---	---	---	0.41	0.00	1.01
23	0.02	0.00	0.11	0.00	0.00	0.00	---	---	---	0.87	0.00	0.00
24	0.00	0.00	2.40	0.00	0.00	0.00	---	---	---	0.00	0.00	0.00
25	0.04	0.00	0.01	0.00	0.00	0.00	---	---	---	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.34	0.00	---	---	---	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.16	0.00	---	---	---	0.00	0.00	0.05
28	1.59	0.00	0.00	0.00	0.00	0.00	---	---	---	0.00	0.06	0.00
29	0.09	0.00	---	0.71	---	0.10	---	---	---	0.00	0.24	0.00
30	0.01	0.00	---	0.41	---	0.29	---	---	---	0.94	0.00	0.00
31	0.00	---	---	0.00	---	0.00	---	---	---	0.06	0.00	---
TOTAL	5.35	6.06	---	---	4.19	4.26	---	---	---	---	2.04	2.54

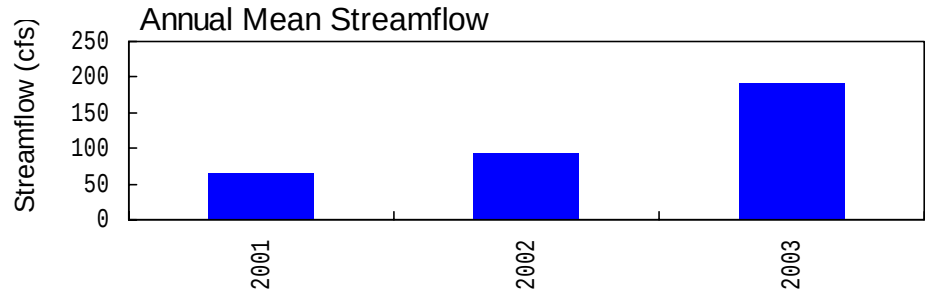
2003 Water Year

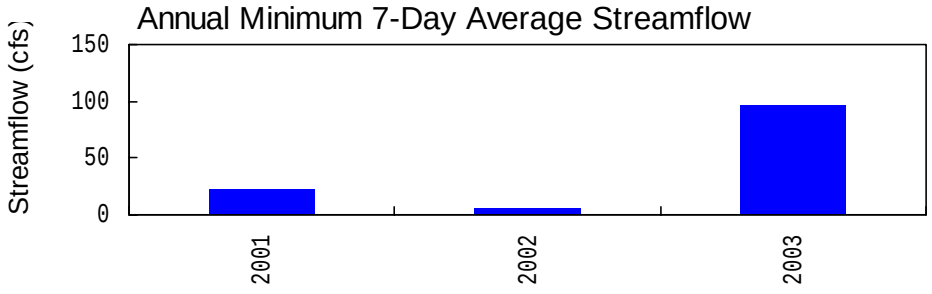
02337040 SWEETWATER CREEK BELOW AUSTELL, GA

Latitude: 33°43'15" Longitude: 084°36'54" Hydrologic Unit Code: 03130002 Douglas County
Drainage Area: 262 mi² Datum: 740 feet

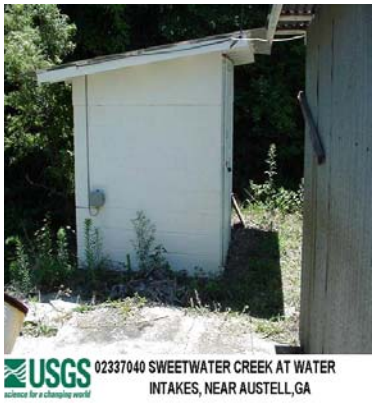








Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2003 Water Year

02337040 SWEETWATER CREEK BELOW AUSTELL, GA

LOCATION.—Lat 33°43'15", long 84°36'54", referenced to North American Datum (NAD) of 1927, Douglas County, Hydrologic Unit 03130002, on left bank where River Road accesses Sweetwater Creek, 1.3 miles upstream from confluence with Chattahoochee River, 6.3 miles south of Austell, 7.8 miles southeast of Douglasville.

DRAINAGE AREA.—262 square miles.

COOPERATION.—City of East Point.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August, 1998 to September, 2001, October 1, 2001 to current year.

REVISED RECORDS.—WSP 1724: 1949(M). WDR GA-79-1: 1975(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 740.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records poor. Record above 310 cfs not published due to backwater from Chattahoochee River.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August, 1998 to September, 2001, October 1, 2001 to current year.

REVISED RECORDS.—WSP 1724: 1949(M). WDR GA-79-1: 1975(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 740.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records poor.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 21.11 feet, May 7; minimum gage-height recorded, 1.64 feet, September 21, 22.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337040 SWEETWATER CREEK BELOW AUSTELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 097
LATITUDE 334315 LONGITUDE 0843654 NAD27 DRAINAGE AREA 262* CONTRIBUTING DRAINAGE AREA DATUM 740 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e171	---	e194	---	---	---	277	---	252	---	---	165
2	e149	e212	e186	---	---	---	---	---	233	---	---	142
3	e127	e187	e183	---	286	---	249	---	---	---	---	140
4	e119	e270	e173	---	---	---	236	---	---	---	---	130
5	e116	---	---	---	---	---	---	---	---	---	---	124
6	e107	---	---	283	---	---	---	---	---	---	---	124
7	---	---	---	261	---	---	---	---	---	---	---	115
8	e224	---	e290	249	---	---	---	---	---	---	---	113
9	e158	---	e250	244	---	---	---	---	---	---	250	110
10	e130	---	---	252	---	---	---	---	---	---	210	107
11	e125	---	---	235	---	---	---	---	---	---	203	101
12	e117	---	---	209	---	---	---	---	---	---	---	93
13	e156	---	---	202	---	---	285	---	---	---	---	86
14	e130	---	---	208	280	---	258	---	---	---	---	---
15	---	---	---	198	285	---	237	---	---	---	---	---
16	---	---	---	192	---	---	228	---	---	---	---	142
17	---	---	e336	210	---	---	---	---	---	---	208	116
18	---	---	e303	203	---	---	---	---	---	---	185	96
19	e185	---	e280	204	---	---	273	---	---	---	206	84
20	e158	---	---	193	---	---	238	---	---	---	---	80
21	e223	---	---	207	---	---	---	---	---	---	---	77
22	e172	---	---	235	---	---	---	---	---	e250	---	---
23	e150	---	---	259	---	---	238	---	---	---	221	---
24	e131	---	---	216	---	---	216	---	---	---	162	---
25	e121	e278	---	196	---	---	---	---	---	---	133	153
26	e119	e255	---	187	---	---	---	---	e244	---	131	125
27	e118	e234	---	196	---	---	---	---	e231	274	128	110
28	---	e222	---	204	---	294	---	---	e244	242	e130	108
29	---	e206	---	217	---	279	---	---	---	230	---	101
30	---	e199	---	---	---	---	---	---	---	---	---	104
31	---	---	---	---	---	---	---	284	---	---	226	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
CFSM	---	---	---	---	---	---	---	---	---	---	---	---
IN.	---	---	---	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	45.2	43.7	122	---	---	---	---	60.3	68.4	---	26.2	---
MAX	56.7	43.7	122	---	---	---	---	60.3	68.4	---	26.2	---
(WY)	1999	2002	2000	---	---	---	---	2000	2002	---	2002	---
MIN	33.7	43.7	122	---	---	---	---	60.3	68.4	---	26.2	---
(WY)	2002	2002	2000	---	---	---	---	2000	2002	---	2002	---

SUMMARY STATISTICS	WATER YEARS 1998 - 2003	
HIGHEST DAILY MEAN	336	Dec 17 2002
LOWEST DAILY MEAN	1.7	Sep 13 2002
ANNUAL SEVEN-DAY MINIMUM	5.8	Sep 7 2002

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337040 SWEETWATER CREEK BELOW AUSTELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 097
LATITUDE 334315 LONGITUDE 0843654 NAD27 DRAINAGE AREA 262* CONTRIBUTING DRAINAGE AREA DATUM 740 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.70	2.11	3.16	3.41	4.59	2.75	4.35	2.64	---	4.24	2.23
2	1.92	2.35	---	3.15	2.97	4.88	2.92	4.53	2.56	---	3.47	2.10
3	1.83	2.19	2.05	3.37	2.79	4.72	2.63	4.45	5.28	---	3.33	2.09
4	1.77	2.54	2.02	3.05	2.97	4.63	2.57	2.88	4.02	---	3.97	2.03
5	1.73	---	---	2.87	2.93	4.72	2.74	3.87	3.34	---	3.28	1.99
6	1.68	---	---	2.77	2.80	15.46	2.97	18.37	3.08	---	3.22	1.99
7	3.27	6.80	---	2.68	4.67	14.72	3.92	19.68	4.97	---	3.39	1.93
8	2.38	5.21	---	2.63	3.86	9.10	3.50	14.67	5.48	---	2.92	1.92
9	1.98	3.42	---	2.61	3.34	6.40	3.40	12.01	3.56	---	2.63	1.91
10	---	2.91	---	2.64	3.76	5.31	3.25	10.22	---	---	2.45	1.88
11	---	5.63	---	2.57	3.65	5.13	3.15	8.34	---	---	2.42	1.84
12	---	5.99	---	2.44	3.24	4.95	2.91	6.41	---	---	2.81	1.79
13	---	4.83	---	2.41	2.95	4.83	2.78	6.46	---	---	3.35	1.74
14	---	3.72	---	2.44	2.76	4.74	2.67	6.91	---	---	3.72	1.97
15	---	2.99	---	2.39	2.78	5.28	2.58	7.56	---	---	3.27	2.34
16	---	6.10	---	2.36	3.85	3.59	2.54	13.62	---	---	2.97	2.10
17	---	6.18	---	2.45	4.63	4.33	2.54	9.39	---	---	2.44	1.94
18	---	4.28	---	2.42	3.79	6.04	2.90	11.46	---	---	2.33	1.81
19	2.17	3.26	2.62	2.42	3.24	5.37	2.73	9.38	---	---	2.43	1.72
20	2.02	2.94	4.48	2.37	2.97	6.00	2.58	7.15	---	---	2.67	1.69
21	2.31	4.13	4.29	2.44	2.87	5.04	2.61	5.82	---	---	2.84	1.67
22	2.08	3.96	3.74	2.57	6.45	5.35	3.03	7.46	---	---	2.65	2.30
23	1.91	3.30	3.04	2.67	6.42	4.80	2.58	9.26	---	5.40	2.50	5.43
24	1.81	2.84	11.13	2.48	5.56	3.28	2.48	6.72	---	4.57	2.21	2.58
25	1.77	2.61	13.51	2.38	4.17	3.06	7.43	5.71	---	3.63	2.04	2.16
26	1.76	2.47	9.30	2.34	4.29	2.99	8.62	6.35	---	3.32	2.03	2.00
27	1.73	2.37	6.40	2.38	4.35	2.94	5.71	5.50	---	2.74	2.01	1.90
28	2.04	2.29	3.86	2.42	4.23	2.82	4.18	3.86	---	2.60	---	1.89
29	7.11	---	3.41	2.48	---	2.75	4.56	3.09	---	2.54	2.46	1.85
30	5.18	2.18	3.17	5.23	---	2.92	3.67	2.94	---	4.51	3.42	1.87
31	3.57	---	3.00	4.15	---	2.87	---	2.78	---	4.89	2.52	---
MEAN	---	---	---	2.73	3.77	5.28	3.43	7.78	---	---	---	2.09
MAX	---	---	---	5.23	6.45	15.46	8.62	19.68	---	---	---	5.43
MIN	---	---	---	2.34	2.76	2.75	2.48	2.78	---	---	---	1.67

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337040 SWEETWATER CREEK BELOW AUSTELL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 097
LATITUDE 334315 LONGITUDE 0843654 NAD27 DRAINAGE AREA 262* CONTRIBUTING DRAINAGE AREA DATUM 740 NGVD29

APPROVED

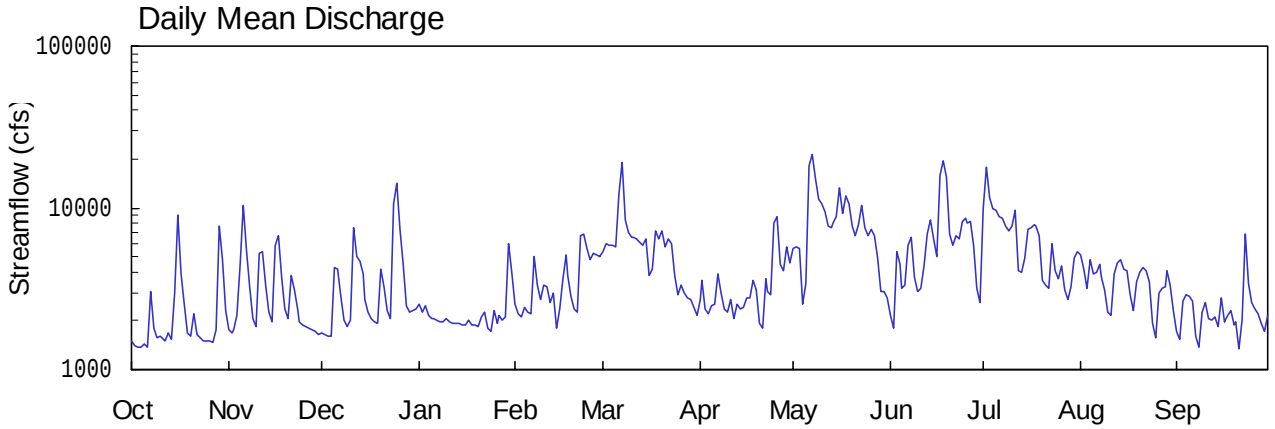
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

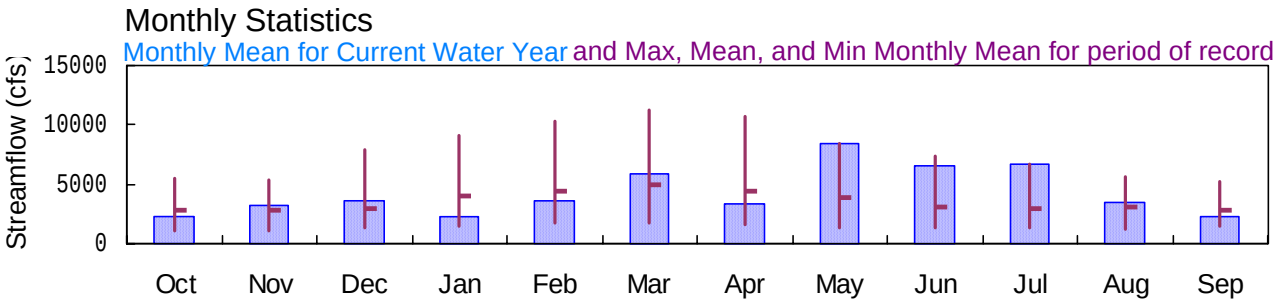
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00
2	0.00	0.00	0.00	0.17	0.00	0.01	0.00	0.24	0.00	0.03	0.00	0.00
3	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.40	1.16	0.00	0.74	0.00
4	0.19	0.19	0.11	0.00	0.21	0.02	0.01	0.00	0.06	0.00	0.00	0.01
5	0.01	2.27	0.76	0.00	0.00	1.05	0.27	2.22	0.00	0.14	0.09	0.00
6	1.13	0.00	0.00	0.00	0.95	1.21	0.17	---	0.52	0.01	0.13	0.00
7	0.39	0.00	0.00	0.00	0.04	0.01	0.59	---	0.91	0.00	0.01	0.01
8	0.01	0.00	0.00	0.00	0.00	0.00	0.09	---	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.01	0.19	0.00	0.23	---	0.01	0.00	0.00	0.00
10	0.01	0.04	1.07	0.03	0.28	0.02	0.06	---	0.00	1.01	0.00	0.00
11	0.02	1.27	0.00	0.00	0.00	0.00	0.00	---	---	0.01	0.11	0.00
12	0.01	0.18	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.05	0.00
13	0.09	0.00	0.69	0.00	0.00	0.00	0.00	---	0.79	0.93	0.73	0.00
14	0.00	0.00	0.01	0.00	0.04	0.00	0.00	---	0.02	0.02	0.01	1.24
15	1.95	0.36	0.00	0.00	0.00	0.62	0.00	---	0.00	0.00	0.00	0.00
16	0.11	0.97	0.00	0.15	1.11	0.00	0.00	---	0.67	0.15	0.02	0.00
17	0.00	0.00	0.00	0.00	0.00	0.63	0.50	---	3.25	0.01	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.02	0.00	---	2.32	0.00	0.00	0.00
19	0.00	0.00	0.76	0.00	0.00	0.28	0.00	---	0.45	0.03	0.00	0.00
20	0.33	0.68	0.02	0.00	0.00	0.14	0.00	---	0.00	0.00	0.10	0.00
21	0.01	0.23	0.00	0.31	0.11	0.00	0.03	0.34	0.00	0.00	0.00	0.01
22	0.00	0.01	0.00	0.27	0.92	0.00	0.00	0.75	0.00	0.57	0.00	0.66
23	0.03	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	0.01
24	0.00	0.00	2.54	0.00	0.01	0.00	0.50	0.00	0.00	0.00	0.28	0.00
25	0.03	0.00	0.01	0.00	0.00	0.00	1.24	0.03	0.00	0.00	0.01	0.00
26	0.00	0.00	0.00	0.00	0.38	0.01	0.00	0.00	0.00	0.00	0.00	0.00
27	0.01	0.00	0.00	0.00	0.24	0.04	0.00	0.00	0.58	0.02	0.00	0.05
28	1.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.15	0.00
29	0.20	0.00	0.00	0.84	---	0.10	0.00	0.00	0.00	0.00	0.05	0.00
30	0.00	0.00	0.00	0.64	---	0.26	0.00	0.00	0.44	0.26	0.09	0.00
31	0.00	---	0.17	0.00	---	0.00	---	0.00	---	0.58	0.00	---
TOTAL	6.27	6.56	6.23	2.52	4.48	4.42	3.69	---	---	7.52	2.57	1.99

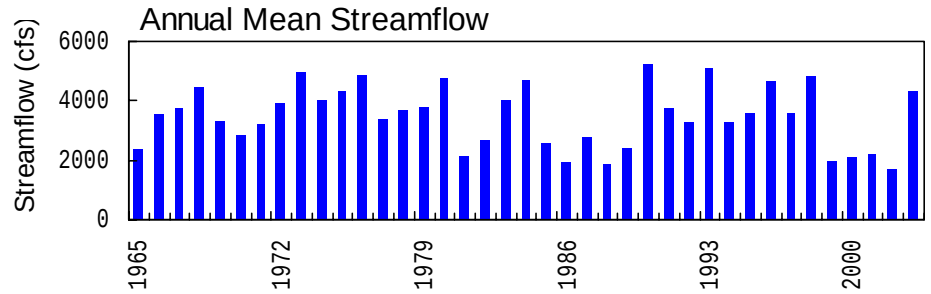
2003 Water Year

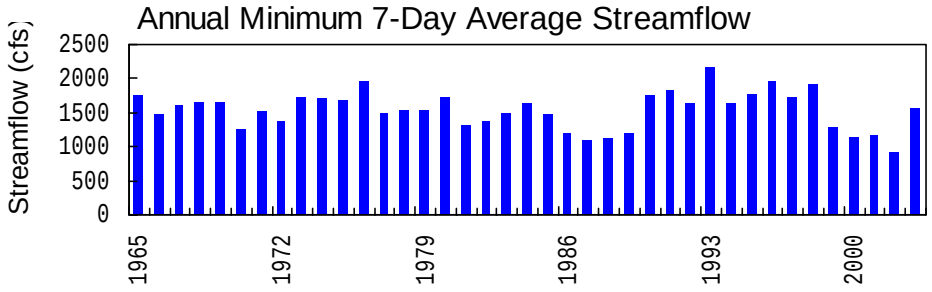
02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA

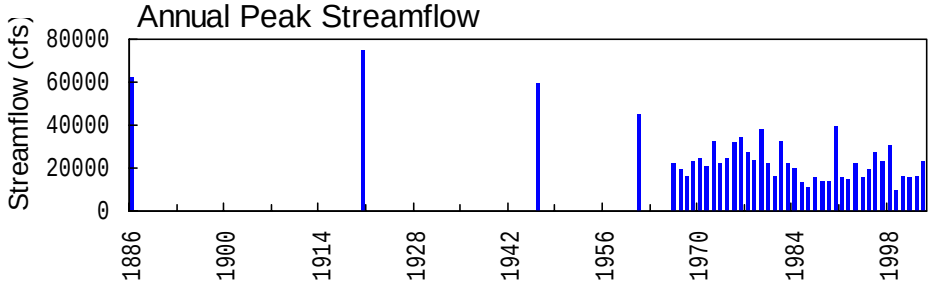
Latitude: 33°39'24" Longitude: 084°40'25" Hydrologic Unit Code: 03130002 Fulton County
Drainage Area: 206 mi² Datum: 719.0 feet

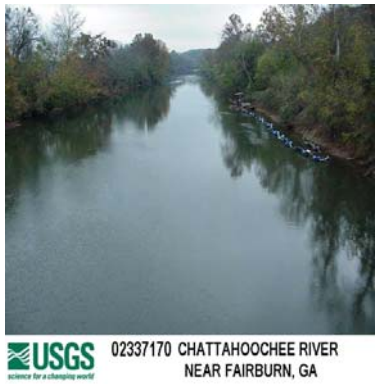












APALACHICOLA RIVER BASIN
2003 Water Year

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA

LOCATION.—Lat 33°39'24", long 84°40'25" referenced to North American Datum (NAD) of 1983, Fulton-Douglas County line, Hydrologic Unit 03130002, on GA 74 and 92, 1.4 miles downstream from Deep Creek, 8.5 miles northwest of Fairburn, and at mile 281.8.

DRAINAGE AREA.—2,060 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District; Georgia Environmental Protection Division.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1965 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 719.07 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation).

REMARKS.—Records good, except periods of estimated record, which are poor. Considerable diurnal fluctuation caused by operation of the Morgan Falls hydroelectric plant.

WATER-STAGE RECORDS

PERIOD OF RECORD.—July 1965 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 719.07 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 19.86 feet, May 7; minimum gage-height recorded, 0.52 feet, October 4.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 21, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060* DATUM 719.07 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1500	1760	1680	2530	2540	5380	2730	5550	2160	9900	5090	1730
2	1410	1680	1660	2260	2200	6050	3570	5750	1820	18000	4190	1530
3	1380	1780	1610	2450	2130	5920	2380	5660	5420	11500	3160	2630
4	1360	2150	1610	2160	2410	5840	2230	2540	4460	9900	4780	2930
5	1440	4360	4300	2060	2260	e5800	2490	3420	3200	9660	3860	2860
6	1380	e10300	4190	2050	2200	e12000	2550	18200	3300	8790	4030	2650
7	3060	5540	2820	2000	5060	e19000	3890	e21200	5930	8540	4480	1600
8	1800	3250	2010	1970	3330	e8500	2990	15300	6500	7630	3720	1380
9	1590	2070	1830	1970	2740	e7000	2360	11300	3730	7170	3100	2270
10	1610	1840	2010	2090	3340	e6600	2250	10700	3060	7780	2280	2570
11	1540	5230	7570	1990	3240	e6500	2710	9370	3170	9770	2170	2060
12	1510	5410	5020	1930	2610	e6400	2080	7670	4350	4050	3880	2030
13	1670	3310	4670	1910	2960	e6200	2560	7500	6850	4020	4540	2090
14	1540	2240	3910	1920	1800	5910	2350	8070	8530	4940	4790	1830
15	2990	1980	2680	1900	2350	6480	2420	8760	6400	7410	4180	2800
16	9130	5930	2240	1890	3620	3830	2760	13400	4980	7550	4120	2000
17	3880	6670	2080	2010	5120	4200	2800	9200	16000	7940	2890	2150
18	e2560	3700	1960	1900	3820	7120	3560	11700	19400	7650	2320	2340
19	1690	2360	1930	1890	2820	6380	3110	10500	15600	6700	3480	1880
20	1600	2060	4140	1830	2380	7220	1910	7680	6870	3560	4000	1970
21	e2200	3810	3220	2120	2250	5700	1810	6720	5920	3300	4310	1350
22	1650	3090	2300	2260	6660	6440	3640	7800	6690	3210	4060	2010
23	1560	2360	2050	1800	6930	6040	3020	10300	6440	5960	3500	6830
24	1520	1960	10500	1740	5640	3770	2930	7570	8230	4090	1940	3410
25	1510	1910	14100	2340	4770	2890	8000	6720	8560	3630	1570	2580
26	1500	1830	7320	1930	5210	3330	8790	7440	8080	4360	2940	2340
27	1470	1810	4490	2170	5150	2960	4510	6720	8180	3100	3200	2230
28	1760	1760	2500	2040	4950	2770	4110	4880	5860	2710	3260	1950
29	7630	1710	2280	2090	---	2730	5680	3050	3150	3260	e4050	1720
30	4810	1660	2310	5960	---	2450	4580	3050	2600	4850	e3300	2150
31	2290	---	2340	3960	---	2150	---	2770	---	5330	2320	---
TOTAL	72540	95520	113330	69120	100490	183560	100770	260490	195440	206260	109510	69870
MEAN	2340	3184	3656	2230	3589	5921	3359	8403	6515	6654	3533	2329
MAX	9130	10300	14100	5960	6930	19000	8790	21200	19400	18000	5090	6830
MIN	1360	1660	1610	1740	1800	2150	1810	2540	1820	2710	1570	1350
CFSM	1.14	1.55	1.77	1.08	1.74	2.87	1.63	4.08	3.16	3.23	1.71	1.13
IN.	1.31	1.72	2.05	1.25	1.81	3.31	1.82	4.70	3.53	3.72	1.98	1.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2003, BY WATER YEAR (WY)

MEAN	2779	2834	2928	4018	4407	4900	4416	3832	3103	2990	3114	2878
MAX	5518	5397	7946	9123	10370	11230	10720	8403	7393	6654	5606	5258
(WY)	1990	1993	1993	1993	1990	1990	1979	2003	1973	2003	1984	1967
MIN	1130	1042	1367	1482	1688	1698	1633	1391	1273	1370	1152	1518
(WY)	2002	2002	1989	1981	2002	1988	1999	2000	2002	2002	2002	2001

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1965 - 2003	
ANNUAL TOTAL	794031		1576900			
ANNUAL MEAN	2175		4320		3515	
HIGHEST ANNUAL MEAN					5240	1990
LOWEST ANNUAL MEAN					1707	2002
HIGHEST DAILY MEAN	14100	Dec 25	21200	May 7	36900	Apr 14 1979
LOWEST DAILY MEAN	890	Jun 19	1350	Sep 21	890	Jun 19 2002
ANNUAL SEVEN-DAY MINIMUM	919	Aug 7	1570	Oct 22	919	Aug 7 2002
MAXIMUM PEAK FLOW			22300	May 7	39200	Mar 17 1990
MAXIMUM PEAK STAGE			19.86	May 7	25.74	Mar 17 1990
ANNUAL RUNOFF (CFSM)	1.06		2.10		1.71	
ANNUAL RUNOFF (INCHES)	14.34		28.48		23.19	
10 PERCENT EXCEEDS	4160		8070		6810	
50 PERCENT EXCEEDS	1520		3160		2580	
90 PERCENT EXCEEDS	1050		1760		1470	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060* DATUM 719.07 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.87	1.24	1.12	2.23	2.23	5.17	2.46	5.34	1.83	9.54	4.88	1.31
2	0.74	1.13	1.10	1.88	1.81	5.84	3.34	5.54	1.43	17.03	3.97	1.06
3	0.68	1.26	1.03	2.12	1.72	5.71	2.02	5.45	5.18	11.13	2.90	2.33
4	0.66	1.74	1.03	1.75	2.07	5.63	1.84	2.20	4.25	9.61	4.57	2.68
5	0.78	4.05	4.00	1.63	1.88	---	2.14	3.13	2.96	9.38	3.64	2.62
6	0.69	---	3.97	1.61	1.81	---	2.22	17.02	3.07	8.54	3.81	2.38
7	2.77	5.33	2.56	1.55	4.84	---	3.67	---	5.71	8.29	4.26	1.15
8	1.30	3.00	1.56	1.51	3.10	---	2.73	14.66	6.28	7.39	3.49	0.86
9	0.99	1.64	1.32	1.51	2.48	---	2.01	10.93	3.50	6.95	2.86	1.95
10	1.03	1.34	1.56	1.66	3.08	---	1.87	10.35	2.82	7.55	1.96	2.30
11	0.92	4.93	7.34	1.54	3.00	---	2.38	9.10	2.93	9.47	1.83	1.70
12	0.89	5.19	4.80	1.45	2.33	---	1.65	7.43	4.13	3.83	3.66	1.67
13	1.10	3.06	4.46	1.43	2.70	---	2.24	7.27	6.62	3.79	4.32	1.75
14	0.93	1.86	3.69	1.44	1.29	5.70	2.00	7.83	8.28	4.72	4.58	1.40
15	2.53	1.53	2.40	1.42	1.99	6.27	2.09	8.51	6.18	7.18	3.96	2.51
16	8.86	5.66	1.86	1.41	3.32	3.61	2.49	12.94	4.77	7.32	3.90	1.63
17	3.65	6.45	1.66	1.57	4.91	3.95	2.54	8.93	15.05	7.71	2.63	1.81
18	---	3.47	1.50	1.42	3.60	6.90	3.33	11.37	18.05	7.42	2.01	2.03
19	1.13	2.01	1.45	1.41	2.53	6.17	2.87	10.18	14.91	6.48	3.25	1.50
20	1.01	1.63	3.90	1.32	2.03	6.98	1.42	7.45	6.65	3.33	3.78	1.61
21	---	3.58	2.98	1.70	1.87	5.49	1.29	6.50	5.71	3.05	4.09	0.82
22	1.08	2.85	1.94	1.88	6.40	6.23	3.41	7.55	6.47	2.98	3.85	1.55
23	0.95	2.01	1.62	1.29	6.70	5.83	2.77	9.97	6.22	5.74	3.27	6.60
24	0.89	1.50	9.95	1.20	5.43	3.55	2.68	7.34	7.98	3.87	1.56	3.17
25	0.88	1.42	13.54	1.98	4.55	2.60	7.74	6.50	8.31	3.40	1.11	2.31
26	0.87	1.32	7.10	1.46	5.00	3.09	8.53	7.21	7.84	4.15	2.69	2.04
27	0.82	1.30	4.27	1.77	4.94	2.67	4.29	6.50	7.94	2.86	2.96	1.90
28	1.19	1.22	2.19	1.60	4.74	2.50	3.89	4.66	5.64	2.45	3.03	1.58
29	7.40	1.17	1.90	1.67	---	2.45	5.47	2.80	2.91	3.02	---	1.30
30	4.59	1.09	1.94	5.73	---	2.12	4.36	2.79	2.29	4.63	---	1.82
31	1.92	---	1.98	3.74	---	1.74	---	2.51	---	5.12	2.01	---
MEAN	---	---	3.28	1.80	3.30	---	3.06	---	6.20	6.38	---	1.98
MAX	---	---	13.54	5.73	6.70	---	8.53	---	18.05	17.03	---	6.60
MIN	---	---	1.03	1.20	1.29	---	1.29	---	1.43	2.45	---	0.82

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060* DATUM 719.07 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	0.00	0.04	0.00	---	0.00	0.00	0.00	2.14	0.00	0.00
2	0.00	---	0.00	0.13	0.00	---	0.00	0.15	0.00	0.01	0.00	0.00
3	0.00	---	0.00	0.00	0.00	---	0.00	0.14	1.11	0.00	0.51	0.00
4	0.23	---	0.04	0.00	0.23	---	0.00	0.01	0.04	0.43	0.01	0.20
5	0.00	---	0.63	0.00	0.00	---	0.12	2.44	0.00	0.02	0.09	0.00
6	0.21	---	0.01	0.00	0.83	1.13	0.18	1.42	0.55	0.01	0.27	0.00
7	0.32	0.00	0.00	0.00	0.03	0.02	0.57	1.69	0.70	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.01	0.01	0.00	0.01	0.01
9	0.00	0.00	0.00	0.00	0.19	0.00	0.15	0.00	0.00	0.00	0.00	0.00
10	0.01	0.02	1.03	0.01	0.28	0.00	0.04	0.00	0.00	0.68	0.05	0.00
11	0.20	1.30	0.00	0.00	0.00	0.00	0.00	0.32	0.73	0.01	0.04	0.00
12	0.06	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.21	0.00
13	0.75	0.00	0.56	0.00	0.00	0.00	0.00	0.00	0.99	0.05	0.28	0.00
14	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.19	0.37	0.25	0.01	2.72
15	1.56	0.32	0.00	0.00	0.00	0.39	0.00	0.66	0.00	0.00	0.00	0.00
16	0.11	0.74	0.00	0.13	0.98	0.01	0.00	0.01	0.71	0.07	0.02	0.00
17	0.00	0.00	0.00	0.00	0.00	0.56	0.43	0.04	3.12	0.01	0.00	0.00
18	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.77	1.06	0.00	0.00	0.00
19	0.00	0.01	0.63	0.00	0.00	0.16	0.00	0.08	0.00	0.10	0.00	0.00
20	---	0.67	0.02	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00
21	---	0.19	0.00	0.20	0.10	0.00	0.08	0.33	0.00	0.00	0.00	0.00
22	---	0.00	0.00	0.18	0.85	0.00	0.00	0.91	0.00	0.33	0.00	0.43
23	---	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.00	0.00
24	---	0.00	1.96	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00	0.00
25	---	0.00	0.00	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00	0.00
26	---	0.00	0.00	0.00	---	0.51	0.00	0.01	0.00	0.00	0.00	0.00
27	---	0.00	0.00	0.00	---	0.03	0.00	0.00	0.19	0.00	0.00	0.16
28	---	0.00	0.00	0.00	---	0.00	0.00	0.00	0.20	0.00	0.04	0.01
29	---	0.00	0.00	0.92	---	0.11	0.00	0.00	0.00	0.00	---	0.00
30	---	0.00	0.00	0.55	---	0.25	0.00	0.00	0.48	0.05	---	0.00
31	---	---	0.17	0.00	---	0.00	---	0.00	---	0.62	0.00	---
TOTAL	---	---	5.13	2.16	---	---	3.18	9.18	10.69	5.62	---	3.53

APALACHICOLA RIVER BASIN
2003 Water Year

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA

LOCATION.—Lat 33°39'24", long 84°40'25" referenced to North American Datum (NAD) of 1983, Fulton-Douglas County line, Hydrologic Unit 03130002, on GA 74 and 92, 1.4 miles downstream from Deep Creek, 8.5 miles northwest of Fairburn, and at mile 281.8.

DRAINAGE AREA.—2,060 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District; Georgia Environmental Protection Division.

PERIOD OF RECORD.—October 1970 to May 1972, March 1974 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: July 1976 to current year.
pH: July 1976 to current year.
WATER TEMPERATURE: August 1975 to current year.
DISSOLVED OXYGEN: July 1976 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 247 microsiemens, November 22, 2001; minimum recorded, 33 microsiemens, July 7, 1976.
pH: Maximum recorded, 8.7 units, July 22, 1984; minimum recorded, 5.5 units, October 26, 1977.
WATER TEMPERATURE: Maximum recorded, 34.0 °C, August 2, 1999; minimum recorded, 2.5 °C, January 12, 1982.
DISSOLVED OXYGEN: Maximum recorded, 14.6 mg/L, January 21, 1987; minimum recorded, 0.1 mg/L, December 6, 2002, July 30, 31, 2003.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum, 208 microsiemens, September 16; minimum, 48 microsiemens, July 2.
pH: Maximum, 7.5 units, on several days; minimum, 6.0 units, May 7, June 13, 17, 18.
WATER TEMPERATURE: Maximum, 28.1 °C, September 2, 3; minimum, 6.3 °C, January 25.
DISSOLVED OXYGEN: Maximum, 13.5 mg/L, January 25; minimum, 0.1 mg/L, December 6, July 30, 31.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29
S)
Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	178	161	174	147	129	142	163	148	157	156	126	144
2	188	170	182	163	144	158	160	147	154	134	125	131
3	200	179	194	167	146	156	164	148	159	143	127	134
4	---	---	---	168	142	155	174	158	167	139	128	135
5	---	---	---	145	82	124	161	97	132	147	131	138
6	---	---	---	82	76	79	105	95	98	148	132	142
7	---	---	---	96	81	85	114	105	110	152	130	144
8	157	---	---	113	96	101	133	112	126	155	132	149
9	163	155	159	140	113	132	146	126	138	154	143	148
10	176	152	167	161	140	153	158	130	149	156	141	149
11	181	152	172	153	84	119	139	83	97	152	141	148
12	173	163	168	98	83	93	96	83	88	161	144	152
13	181	157	167	111	98	102	108	96	102	159	143	152
14	178	163	170	131	111	125	106	100	102	160	143	153
15	175	88	156	144	129	139	120	106	113	158	148	155
16	90	76	79	145	86	114	136	120	132	162	146	154
17	---	---	---	88	78	80	146	129	141	163	146	156
18	---	---	---	102	88	94	153	142	148	167	151	160
19	---	---	---	124	102	116	155	143	151	172	151	163
20	---	---	---	142	122	137	150	99	124	172	149	160
21	---	---	---	142	112	130	114	102	111	168	134	158
22	164	144	160	122	112	117	128	113	123	162	128	144
23	171	160	166	132	122	126	141	125	136	161	155	159
24	179	160	171	148	132	143	148	56	95	172	154	167
25	180	161	171	152	141	147	62	58	60	172	126	142
26	176	161	170	152	144	150	72	62	66	157	140	147
27	181	162	174	160	149	156	102	72	85	159	125	145
28	188	117	173	159	151	155	127	102	119	152	134	145
29	126	84	96	157	148	153	137	127	134	154	134	147
30	105	86	93	156	147	153	145	132	139	150	93	116
31	129	105	119	---	---	---	141	122	133	114	95	101
MONTH	---	---	---	168	76	128	174	56	122	172	93	146

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LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	128	114	122	---	---	---	145	124	133	95	78	82
2	143	128	137	100	92	97	135	91	110	84	78	81
3	152	135	146	100	92	97	155	109	130	89	78	81
4	153	140	147	101	93	98	155	116	138	112	89	100
5	146	136	142	101	93	98	145	117	138	120	84	109
6	152	136	147	99	66	76	139	127	133	86	54	61
7	136	94	110	76	66	70	127	104	117	58	55	56
8	119	102	109	86	76	79	127	110	118	70	58	64
9	131	112	122	102	86	93	146	123	133	74	67	70
10	140	112	128	95	87	91	152	139	146	74	70	71
11	122	113	116	90	86	89	143	119	128	78	71	73
12	135	122	128	91	86	89	154	136	143	89	77	81
13	137	109	124	---	---	---	154	117	135	88	76	79
14	159	125	150	---	---	---	139	107	126	78	73	76
15	171	121	145	---	---	---	136	121	130	90	69	78
16	153	109	134	---	---	---	135	110	122	79	55	67
17	110	94	99	---	---	---	137	110	120	80	71	74
18	110	101	105	104	79	84	136	96	114	84	62	72
19	124	110	116	95	82	85	119	99	106	85	66	73
20	151	118	132	98	78	86	139	110	124	86	80	83
21	152	133	142	102	87	97	149	135	140	92	81	86
22	158	91	121	93	82	86	141	111	125	106	72	93
23	100	90	94	92	84	87	118	108	111	79	72	75
24	106	87	99	112	92	103	137	105	117	88	78	81
25	118	97	106	143	112	131	133	55	86	91	80	83
26	122	97	109	128	108	120	73	62	67	87	79	81
27	129	112	119	133	110	118	92	73	80	85	80	82
28	---	---	---	146	121	131	99	92	96	110	83	91
29	---	---	---	135	118	125	92	78	82	121	109	114
30	---	---	---	146	127	138	99	80	86	151	104	121
31	---	---	---	142	129	135	---	---	---	161	117	130
MONTH	---	---	---	---	---	---	155	55	118	161	54	83

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	143	126	137	---	---	---	106	95	100	137	99	122
2	153	135	149	---	48	---	115	96	102	161	118	141
3	163	98	123	66	62	63	129	110	118	151	98	125
4	112	95	102	72	63	69	110	98	103	131	95	114
5	126	111	115	80	68	72	111	100	105	118	94	108
6	129	105	117	82	73	77	116	97	105	120	94	107
7	124	86	102	82	76	79	107	95	98	147	105	128
8	91	75	82	93	79	85	122	98	104	170	123	147
9	113	91	100	95	79	87	129	107	116	165	138	145
10	125	112	117	81	73	79	140	119	134	147	116	126
11	132	109	121	87	69	76	144	119	136	140	121	128
12	132	115	121	107	87	97	157	109	124	162	117	141
13	147	111	122	126	94	108	109	101	104	137	116	127
14	---	---	---	118	92	103	101	90	96	142	95	126
15	---	---	---	99	78	83	108	97	103	183	86	124
16	---	---	---	85	77	81	109	93	100	208	134	163
17	---	---	---	83	76	80	133	109	116	163	142	148
18	63	53	57	82	77	80	146	123	133	150	123	135
19	67	55	59	89	78	82	148	111	123	159	132	145
20	100	67	84	111	89	102	122	103	109	152	131	143
21	104	86	98	129	95	111	108	96	100	183	132	167
22	87	80	84	125	104	113	114	94	99	186	130	174
23	87	79	82	125	87	102	125	101	108	131	86	93
24	83	71	76	111	88	98	147	122	133	114	91	103
25	77	71	73	124	105	116	168	143	159	137	113	121
26	72	68	70	119	95	101	179	128	145	155	122	132
27	72	64	68	121	105	110	132	105	114	170	111	137
28	---	67	---	129	120	125	126	108	114	153	122	143
29	---	---	---	134	111	120	124	---	---	155	137	148
30	140	---	---	144	99	114	---	---	---	152	133	141
31	---	---	---	105	89	95	130	98	115	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	208	86	133

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LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.3	7.3	7.3	7.2	7.1	7.2	7.3	7.3	7.3	7.4	7.3	7.3
2	7.3	7.3	7.3	7.3	7.2	7.3	7.3	7.2	7.3	7.3	7.3	7.3
3	7.4	7.3	7.3	7.4	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3
4	7.4	7.3	7.4	7.3	7.2	7.3	7.3	7.2	7.3	7.3	7.3	7.3
5	---	---	---	7.3	6.9	7.3	7.2	7.0	7.2	7.4	7.3	7.3
6	---	---	---	7.0	6.8	6.9	7.1	7.0	7.0	7.4	7.4	7.4
7	---	---	---	7.0	6.9	7.0	7.1	7.0	7.1	7.4	7.4	7.4
8	7.3	7.3	7.3	7.1	7.0	7.0	7.1	7.0	7.1	7.4	7.4	7.4
9	7.4	7.3	7.4	7.2	7.1	7.1	7.2	7.1	7.2	7.4	7.4	7.4
10	7.4	7.3	7.4	7.2	7.2	7.2	7.2	7.1	7.2	7.4	7.4	7.4
11	7.4	7.3	7.4	7.2	6.9	7.0	7.1	6.9	7.0	7.5	7.4	7.4
12	7.4	7.4	7.4	7.0	6.9	7.0	7.0	6.9	7.0	7.5	7.4	7.4
13	7.4	7.2	7.3	7.1	7.0	7.1	7.0	7.0	7.0	7.5	7.4	7.4
14	7.4	7.3	7.4	7.1	7.1	7.1	7.2	7.0	7.0	7.4	7.4	7.4
15	7.4	6.9	7.4	7.2	7.1	7.2	7.2	7.2	7.2	7.5	7.4	7.4
16	7.0	6.9	7.0	7.2	7.0	7.1	7.3	7.2	7.2	7.4	7.3	7.4
17	7.1	7.0	7.0	7.0	6.9	7.0	7.3	7.2	7.2	7.4	7.3	7.4
18	---	---	---	7.1	7.0	7.0	7.3	7.2	7.3	7.5	7.3	7.5
19	---	---	---	7.1	7.1	7.1	7.3	7.3	7.3	7.4	7.3	7.4
20	---	---	---	7.2	7.1	7.2	7.3	7.1	7.1	7.4	7.3	7.4
21	7.2	7.2	7.2	7.2	7.1	7.1	7.2	7.1	7.2	7.4	7.3	7.3
22	7.3	7.2	7.3	7.2	7.1	7.1	7.2	7.2	7.2	7.3	7.2	7.2
23	7.3	7.3	7.3	7.2	7.2	7.2	7.4	7.2	7.2	7.3	7.2	7.3
24	7.4	7.3	7.3	7.2	7.2	7.2	7.4	6.7	6.9	7.5	7.3	7.4
25	7.4	7.3	7.3	7.3	7.2	7.2	6.8	6.7	6.7	7.4	7.3	7.4
26	7.4	7.3	7.3	7.3	7.2	7.2	6.9	6.8	6.9	7.4	7.3	7.4
27	7.4	7.3	7.3	7.3	7.2	7.3	7.1	6.9	7.0	7.4	7.3	7.4
28	7.4	7.0	7.3	7.3	7.2	7.3	7.2	7.1	7.2	7.4	7.3	7.4
29	7.0	6.9	7.0	7.3	7.3	7.3	7.2	7.2	7.2	7.4	7.3	7.3
30	7.1	7.0	7.0	7.3	7.3	7.3	7.3	7.2	7.2	7.3	7.1	7.2
31	7.2	7.0	7.1	---	---	---	7.3	7.2	7.2	7.2	7.2	7.2
MAX	---	---	---	7.4	7.3	7.3	7.4	7.3	7.3	7.5	7.4	7.5
MIN	---	---	---	7.0	6.8	6.9	6.8	6.7	6.7	7.2	7.1	7.2

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.3	7.2	7.3	7.1	7.1	7.1	7.2	7.2	7.2	7.1	7.1	7.1
2	7.3	7.3	7.3	7.1	7.1	7.1	7.2	7.1	7.2	7.1	7.0	7.1
3	7.4	7.3	7.3	7.1	7.1	7.1	7.2	7.1	7.2	7.1	7.0	7.0
4	7.4	7.3	7.3	7.1	7.1	7.1	7.2	7.2	7.2	7.1	7.0	7.1
5	7.3	7.3	7.3	7.1	7.1	7.1	7.2	7.1	7.2	7.2	6.9	7.1
6	7.4	7.3	7.3	7.1	6.6	6.8	7.2	7.0	7.1	6.9	6.6	6.6
7	7.3	7.2	7.2	6.7	6.6	6.6	7.2	7.0	7.0	6.6	6.5	6.6
8	7.3	7.2	7.3	6.8	6.7	6.7	7.2	7.0	7.1	6.7	6.6	6.7
9	7.3	7.3	7.3	7.0	6.8	6.9	7.2	7.2	7.2	6.9	6.7	6.8
10	7.4	7.3	7.3	7.1	7.0	7.0	7.2	7.2	7.2	7.0	6.9	6.9
11	7.3	7.3	7.3	7.1	7.0	7.0	7.3	7.2	7.2	7.0	7.0	7.0
12	7.3	7.3	7.3	7.1	7.0	7.1	7.3	7.2	7.3	7.0	7.0	7.0
13	7.4	7.3	7.3	---	---	---	7.3	7.2	7.3	7.2	7.0	7.2
14	7.3	7.3	7.3	---	---	---	7.3	7.2	7.3	7.2	7.1	7.2
15	7.4	7.3	7.3	---	---	---	7.3	7.2	7.3	7.2	7.0	7.1
16	7.3	7.1	7.3	---	---	---	7.3	7.2	7.2	7.2	6.8	6.9
17	7.2	7.1	7.1	7.1	7.0	7.0	7.3	7.2	7.2	7.1	6.9	7.0
18	7.2	7.1	7.2	7.1	7.1	7.1	7.2	7.1	7.1	7.2	7.0	7.0
19	7.2	7.2	7.2	7.1	7.1	7.1	7.3	7.2	7.2	7.1	6.9	7.0
20	7.2	7.2	7.2	7.1	6.8	6.9	7.3	7.2	7.3	7.2	7.1	7.1
21	7.2	7.2	7.2	7.1	6.9	7.0	7.3	7.2	7.3	7.2	7.1	7.2
22	7.2	6.9	7.0	7.1	7.0	7.1	7.2	7.1	7.2	7.2	7.0	7.1
23	7.0	6.9	7.0	7.1	7.1	7.1	7.2	7.2	7.2	7.1	7.0	7.1
24	7.0	6.9	7.0	7.1	7.1	7.1	7.3	7.2	7.2	7.2	7.1	7.1
25	7.1	7.0	7.0	7.2	7.1	7.1	7.3	6.9	7.0	7.3	7.2	7.2
26	7.2	7.1	7.1	7.2	7.1	7.1	7.1	6.9	7.0	7.3	7.2	7.2
27	7.1	7.1	7.1	7.2	7.1	7.1	7.0	7.0	7.0	7.3	7.2	7.2
28	---	---	---	7.2	7.1	7.2	7.1	7.0	7.1	7.3	7.2	7.2
29	---	---	---	7.2	7.1	7.2	7.1	7.0	7.1	7.3	7.2	7.3
30	---	---	---	7.2	7.2	7.2	7.1	7.0	7.1	7.4	7.3	7.3
31	---	---	---	7.2	7.1	7.2	---	---	---	7.4	7.3	7.3
MAX	---	---	---	---	---	---	7.3	7.2	7.3	7.4	7.3	7.3
MIN	---	---	---	---	---	---	7.0	6.9	7.0	6.6	6.5	6.6

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LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.4	7.3	7.4	7.1	6.8	7.0	7.1	7.0	7.1	7.2	7.0	7.1
2	7.4	7.4	7.4	7.1	6.6	6.6	7.1	6.8	7.0	7.2	7.1	7.2
3	7.4	7.1	7.2	6.8	6.6	6.6	6.9	6.6	6.7	7.2	6.9	7.2
4	7.3	7.2	7.2	6.9	6.8	6.8	6.9	6.6	6.8	7.1	6.9	7.0
5	7.4	7.3	7.3	6.8	6.8	6.8	7.1	6.9	7.0	7.0	6.9	6.9
6	7.5	7.4	7.4	6.9	6.8	6.8	7.2	7.1	7.1	7.1	6.9	7.0
7	7.5	7.3	7.3	6.9	6.8	6.9	7.2	7.1	7.2	7.3	7.1	7.3
8	7.4	7.2	7.2	6.9	6.8	6.9	7.2	7.0	7.1	7.4	7.3	7.3
9	7.3	7.3	7.3	6.9	6.8	6.9	7.2	7.1	7.2	7.4	7.2	7.3
10	7.3	7.0	7.1	7.0	6.8	6.9	7.3	7.2	7.2	7.4	7.2	7.2
11	7.1	6.9	7.0	7.0	6.8	6.9	7.3	7.2	7.3	7.3	7.2	7.3
12	7.1	6.6	6.8	7.0	7.0	7.0	7.3	7.2	7.2	7.3	7.2	7.2
13	6.7	6.5	6.6	7.1	7.0	7.0	7.2	7.1	7.2	7.4	7.2	7.4
14	6.8	6.7	6.8	7.2	7.1	7.1	7.2	7.1	7.1	7.5	7.1	7.4
15	6.9	6.8	6.8	7.2	6.9	7.0	7.2	7.1	7.2	7.1	6.9	7.0
16	6.8	6.7	6.8	7.0	7.0	7.0	7.3	7.1	7.2	7.2	7.1	7.2
17	6.8	6.5	6.7	7.0	7.0	7.0	7.3	7.1	7.2	7.2	7.2	7.2
18	6.8	6.5	6.7	7.1	7.0	7.0	7.2	7.1	7.2	7.2	7.1	7.2
19	6.9	6.7	6.8	7.0	7.0	7.0	7.3	7.1	7.1	7.2	7.2	7.2
20	6.9	6.7	6.8	7.1	7.0	7.1	7.2	7.0	7.1	7.2	7.2	7.2
21	7.0	6.9	7.0	7.1	7.0	7.1	7.1	7.0	7.0	7.3	7.2	7.2
22	7.2	7.0	7.1	7.2	7.1	7.1	7.2	7.0	7.0	7.3	6.9	7.2
23	7.3	7.1	7.2	7.2	7.0	7.0	7.2	7.0	7.1	7.0	6.8	6.8
24	7.3	7.0	7.2	7.1	7.0	7.0	7.2	7.1	7.1	7.0	6.9	6.9
25	7.0	6.9	6.9	7.2	7.1	7.2	7.2	7.0	7.1	7.0	7.0	7.0
26	7.0	6.9	7.0	7.2	7.1	7.1	7.3	7.1	7.2	7.2	7.0	7.1
27	7.0	7.0	7.0	7.2	7.1	7.2	7.2	7.1	7.1	7.2	7.1	7.1
28	---	---	---	7.2	7.2	7.2	7.3	7.0	7.1	7.2	7.1	7.1
29	---	---	---	7.3	7.2	7.2	7.1	6.9	7.0	7.2	7.1	7.2
30	---	---	---	7.3	7.0	7.1	7.1	7.0	7.0	7.2	7.1	7.2
31	---	---	---	7.1	7.0	7.0	7.2	7.0	7.0	---	---	---
MAX	---	---	---	7.3	7.2	7.2	7.3	7.2	7.3	7.5	7.3	7.4
MIN	---	---	---	6.8	6.6	6.6	6.9	6.6	6.7	7.0	6.8	6.8

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.5	23.0	23.6	17.9	16.9	17.3	11.8	10.3	11.0	11.8	10.8	11.4
2	24.9	23.2	24.1	16.9	16.1	16.4	10.6	9.8	10.2	12.6	11.5	12.0
3	24.9	23.5	24.3	16.2	14.8	15.5	11.3	10.0	10.6	12.7	11.0	11.9
4	---	---	---	15.6	14.9	15.2	11.6	10.8	11.3	11.6	11.0	11.2
5	---	---	---	15.1	13.7	14.4	10.8	7.4	9.0	11.5	10.5	11.0
6	---	---	---	14.3	14.0	14.1	8.4	7.9	8.2	11.2	10.3	10.9
7	---	---	---	14.1	13.5	13.7	8.4	8.0	8.2	10.8	10.2	10.5
8	23.4	---	---	14.0	13.2	13.6	9.5	8.0	8.7	11.0	9.7	10.3
9	22.7	21.3	21.6	15.7	14.0	14.8	11.1	9.0	10.1	12.2	10.5	11.1
10	21.3	20.1	21.0	17.4	15.7	16.6	11.6	10.8	11.4	12.9	11.9	12.4
11	21.3	19.7	20.6	18.0	17.4	17.7	10.9	8.8	9.3	12.2	11.0	11.5
12	22.2	20.4	21.3	17.8	16.9	17.3	9.9	9.2	9.6	11.0	9.9	10.3
13	22.9	21.8	22.2	16.9	15.6	16.1	10.2	9.8	10.0	10.2	9.5	9.8
14	22.2	21.2	21.6	15.6	14.7	15.1	9.9	9.1	9.5	10.2	9.2	9.6
15	21.2	16.3	19.6	14.8	14.2	14.5	9.2	8.6	9.0	10.1	9.6	9.8
16	16.3	15.8	16.1	15.0	13.5	14.2	11.2	9.1	10.2	9.7	9.0	9.3
17	---	---	---	13.5	12.1	12.7	12.1	10.8	11.5	9.4	8.7	9.2
18	---	---	---	12.1	11.2	11.7	12.7	11.5	12.2	8.7	8.0	8.3
19	---	---	---	12.7	11.7	12.1	13.0	12.4	12.7	8.6	7.9	8.2
20	---	---	---	13.5	12.4	13.1	13.5	11.4	12.5	9.7	8.1	8.8
21	18.8	---	---	13.8	13.3	13.5	11.4	10.5	11.0	11.8	9.7	10.8
22	19.1	17.4	18.6	13.4	12.5	13.0	12.3	11.0	11.7	12.0	10.6	11.3
23	18.4	17.1	17.7	12.5	11.6	12.0	12.5	11.1	11.8	11.9	9.9	11.1
24	18.9	18.2	18.5	12.4	11.4	11.9	12.5	9.5	11.0	9.9	8.2	8.6
25	18.8	18.2	18.6	12.6	11.6	12.2	9.5	8.6	9.2	8.5	6.3	7.1
26	18.7	18.1	18.4	13.2	12.0	12.5	8.6	7.8	8.1	8.7	7.6	8.2
27	19.1	18.2	18.6	13.3	12.6	13.1	8.2	7.2	7.6	9.2	7.7	8.3
28	19.8	18.8	19.4	12.6	11.4	11.7	8.5	8.0	8.2	9.5	8.2	8.8
29	19.6	18.6	19.2	11.4	10.3	10.9	9.8	7.7	8.6	10.5	9.1	10.0
30	19.0	18.3	18.7	12.1	10.9	11.5	11.2	8.9	9.8	10.7	9.4	9.9
31	18.7	17.9	18.3	---	---	---	11.2	9.8	10.5	10.8	9.6	10
MONTH	---	---	---	18.0	10.3	13.9	13.5	7.2	10.1	12.9	6.3	10.1

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	11.8	10.8	11.1	---	---	---	15.7	14.0	14.9	16.8	14.0	14.9
2	12.1	10.8	11.4	10.1	9.6	9.9	15.7	13.6	14.5	15.5	14.3	14.8
3	13.2	11.4	12.3	10.1	9.6	9.8	18.1	14.8	16.4	15.8	14.5	15.0
4	13.8	12.8	13.4	10.5	9.6	9.9	19.7	17.1	17.9	20.1	15.8	17.9
5	12.9	12.2	12.5	11.0	10.2	10.6	19.1	17.3	18.6	20.7	18.5	19.8
6	12.2	11.4	12.0	12.3	11.0	12.0	19.3	17.6	18.3	19.4	18.1	18.6
7	11.4	8.3	9.1	13.4	12.0	12.5	19.0	17.5	17.9	19.3	18.5	18.8
8	9.2	8.1	8.7	13.7	13.3	13.5	18.0	16.0	17.1	20.7	19.3	19.8
9	9.7	8.8	9.2	13.7	12.6	13.1	17.0	15.9	16.2	20.9	16.6	18.7
10	10.9	9.7	10.2	12.7	11.7	12.2	15.9	14.7	15.2	16.6	15.6	16.0
11	10.4	9.4	9.9	12.1	11.1	11.5	15.4	12.9	13.9	15.9	14.2	15.0
12	11.4	10.0	10.6	12.3	---	---	16.4	15.3	15.9	16.3	13.8	14.8
13	11.3	9.8	10.5	---	---	---	17.5	15.9	16.4	16.1	13.8	14.4
14	12.4	10.5	11.4	---	---	---	18.9	16.2	17.4	14.3	13.1	13.5
15	12.9	10.9	11.9	---	---	---	19.4	18.0	18.6	15.5	12.8	14.1
16	13.1	10.7	11.9	---	---	---	19.5	17.3	18.2	17.8	14.7	16.8
17	10.7	9.1	9.7	---	---	---	19.0	16.9	17.7	17.3	16.5	16.9
18	9.4	8.7	9.0	13.3	11.6	12.2	18.6	16.7	17.4	18.1	16.4	17.1
19	10.2	8.7	9.2	13.1	12.1	12.3	18.5	15.9	17.1	17.6	17.1	17.3
20	12.2	10.2	11.3	14.3	13.1	14.0	17.4	16.7	17.0	17.5	15.0	15.9
21	12.9	11.9	12.4	14.7	13.9	14.2	19.8	17.3	18.4	15.3	14.4	14.8
22	13.2	12.2	12.8	14.7	13.0	13.5	20.0	17.1	18.3	18.7	15.3	17.3
23	13.0	12.0	12.3	13.4	12.2	12.6	17.9	15.9	16.8	18.0	16.0	16.5
24	12.1	11.7	12.0	14.5	12.8	13.6	18.2	15.4	16.8	16.8	15.8	16.3
25	12.3	10.7	11.4	16.6	14.5	15.7	17.2	14.6	15.5	16.3	15.4	15.7
26	11.5	9.5	10.6	16.7	15.9	16.3	15.5	14.3	15.1	16.1	15.0	15.6
27	10.2	8.9	9.4	18.5	15.6	16.7	18.6	15.5	16.9	16.2	15.6	15.9
28	---	---	---	18.6	17.3	18.0	19.5	17.2	18.5	17.2	15.3	16.1
29	---	---	---	18.1	17.0	17.2	17.2	14.1	15.0	19.9	17.2	18.6
30	---	---	---	17.0	15.1	15.8	18.0	14.7	15.9	20.7	18.6	19.5
31	---	---	---	15.9	13.8	15.0	---	---	---	21.5	19.5	20.5
MONTH	---	---	---	---	---	---	20.0	12.9	16.8	21.5	12.8	16.7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.3	20.9	21.4	23.2	21.0	21.8	22.6	21.2	21.9	27.2	25.2	26.2
2	22.9	20.8	22.0	21.4	20.5	20.9	23.2	20.6	21.9	28.1	26.2	27.3
3	23.4	19.6	21.3	22.5	21.3	21.9	24.1	23.0	23.3	28.1	24.7	26.7
4	21.1	19.3	20.0	21.3	17.7	19.1	24.6	23.3	24.0	25.0	21.2	23.1
5	21.7	20.6	20.9	18.0	16.3	17.1	25.2	23.1	24.3	23.3	21.1	22.0
6	22.1	19.6	20.7	18.1	16.7	17.4	24.8	22.1	23.4	23.3	20.9	21.9
7	20.9	18.3	19.6	18.0	16.1	17.0	22.1	19.8	20.7	23.1	21.6	22.5
8	22.1	19.4	20.8	18.3	16.7	17.2	24.3	21.1	22.2	24.9	21.4	23.3
9	24.0	22.1	22.7	18.5	17.2	17.6	24.5	22.6	23.4	25.3	22.9	24.0
10	25.1	23.8	24.3	19.4	16.7	17.5	24.7	23.4	23.9	23.5	20.5	21.7
11	25.1	21.3	23.4	21.0	18.6	19.8	25.3	23.4	24.3	22.6	21.4	21.7
12	23.7	19.5	21.0	24.1	21.0	22.4	25.9	21.1	23.2	23.9	22.1	23.0
13	21.6	20.2	21.1	25.0	24.1	24.4	21.1	19.2	20.0	23.1	22.6	22.8
14	21.5	20.1	20.6	24.8	22.7	23.9	20.3	19.6	19.9	24.8	22.3	23.3
15	21.1	20.2	20.7	23.3	21.4	22.4	22.5	20.1	21.2	24.3	23.2	23.6
16	21.4	20.4	20.8	21.4	17.6	18.5	21.9	20.1	21.0	24.3	22.8	23.5
17	21.3	20.6	20.9	17.8	16.7	17.3	24.6	20.9	22.1	24.2	22.4	22.9
18	21.7	20.8	21.2	17.9	16.7	17.4	26.7	23.9	24.9	23.3	21.0	21.8
19	22.8	20.4	21.3	19.0	17.0	17.7	26.7	22.7	24.0	23.6	21.8	22.5
20	24.4	22.7	23.4	22.6	19.0	20.9	22.8	20.6	21.5	22.5	21.3	21.8
21	24.3	19.1	23.0	24.0	21.8	22.9	20.6	19.4	20.0	24.4	21.4	22.9
22	19.1	16.7	17.4	24.3	22.1	23.4	20.6	19.5	20.2	25.0	23.5	24.6
23	18.2	16.4	17.1	23.6	21.1	22.6	23.3	20.3	21.5	23.5	20.5	21.5
24	17.6	14.7	15.8	24.0	22.7	23.2	25.2	22.7	23.9	22.3	20.3	21.1
25	15.9	15.1	15.6	24.0	23.2	23.7	27.8	24.9	26.5	23.1	20.9	21.8
26	15.9	15.0	15.5	23.2	19.9	21.0	27.9	24.5	26.1	23.1	20.3	21.4
27	16.1	14.7	15.3	23.3	20.8	21.5	24.5	20.9	22.3	22.2	20.4	21.2
28	---	15.1	---	25.4	23.3	24.0	23.3	20.8	22.3	22.9	21.2	22.2
29	---	---	---	24.7	22.6	23.6	---	---	---	21.8	20.9	21.4
30	---	---	---	24.5	21.3	22.9	---	---	---	21.5	19.3	19.8
31	---	---	---	22.7	20.5	21.7	26.6	24.2	25.4	---	---	---
MONTH	---	---	---	25.4	16.1	20.7	---	---	---	28.1	19.3	22.8

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.4	7.2	7.3	8.4	8.1	8.3	10.7	8.0	9.6	10.1	9.4	9.7
2	7.4	7.1	7.3	8.7	8.3	8.6	11.1	8.7	9.9	9.6	9.4	9.5
3	7.3	7.1	7.2	9.1	8.7	8.9	11.5	8.3	10.3	10.1	9.3	9.7
4	---	---	---	9.1	8.6	8.9	10.9	8.1	9.5	10.3	10.0	10.2
5	---	---	---	9.2	8.6	8.9	12.4	7.4	10.9	10.5	10.3	10.5
6	---	---	---	9.1	8.6	8.8	10.7	0.1	4.8	10.6	10.4	10.5
7	---	---	---	9.4	9.0	9.2	12.4	3.6	8.9	10.9	10.6	10.8
8	---	---	---	9.5	9.3	9.5	12.0	9.4	11.4	11.1	10.8	11.0
9	7.8	7.4	7.6	9.3	8.9	9.2	12.0	10.8	11.4	10.9	10.6	10.8
10	8.0	7.6	7.8	8.9	8.5	8.7	11.2	10.3	10.6	10.6	10.2	10.4
11	8.1	8.0	8.0	8.5	7.6	8.1	10.9	10.4	10.7	10.7	10.2	10.4
12	8.3	8.0	8.1	8.4	7.6	8.2	10.9	10.6	10.8	11.3	10.7	11.0
13	8.0	7.6	7.7	8.8	8.4	8.6	10.8	10.5	10.6	11.6	11.3	11.4
14	8.0	7.3	7.8	9.0	8.8	8.9	10.9	10.5	10.7	11.6	11.3	11.5
15	8.4	7.9	8.1	9.3	9.0	9.2	11.1	10.7	11.0	11.6	11.4	11.5
16	8.9	8.4	8.8	9.4	8.9	9.1	11.0	10.6	10.8	11.9	11.5	11.7
17	---	---	---	10.0	9.3	9.7	10.7	10.3	10.4	11.9	11.5	11.7
18	---	---	---	10.4	10.0	10.3	10.4	10.1	10.2	12.5	11.8	12.2
19	---	---	---	10.4	10.1	10.2	10.1	10.0	10.1	12.8	12.3	12.5
20	---	---	---	10.2	9.9	10	10.0	9.4	9.6	12.5	12.1	12.3
21	---	---	---	9.9	9.6	9.8	10.5	9.9	10.3	12.1	11.2	11.6
22	8.4	8.0	8.2	10.1	9.7	9.9	10.4	10.1	10.3	11.4	10.4	10.9
23	8.6	8.3	8.5	10.4	10.1	10.3	10.3	10.0	10.2	11.3	10.3	10.8
24	8.5	8.3	8.4	10.6	10.2	10.4	10.3	9.7	10.1	12.8	11.3	12.2
25	8.5	8.2	8.4	10.6	10.0	10.3	11.1	10.3	10.6	13.5	12.4	13.2
26	8.4	8.3	8.4	10.4	9.9	10.2	11.6	11.1	11.4	13.0	12.6	12.9
27	8.4	8.2	8.3	10.3	9.9	10.1	11.8	11.4	11.6	13.0	12.5	12.7
28	8.3	7.5	8.1	10.8	10.2	10.5	11.4	11.2	11.3	12.6	12.4	12.5
29	8.0	7.3	7.6	11.2	10.3	10.8	11.4	10.8	11.2	12.5	11.5	12.0
30	8.0	7.8	7.9	11.0	10.1	10.7	10.9	10.4	10.7	11.7	11.3	11.5
31	8.1	7.8	8.0	---	---	---	10.8	10.1	10.4	11.8	11.4	11.7
MONTH	---	---	---	11.2	7.6	9.5	12.4	0.1	10.3	13.5	9.3	11.3

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	11.4	11.3	11.4	---	---	---	10.9	10.3	10.7	10.5	9.8	10.3
2	11.5	11.2	11.4	12.0	11.9	11.9	11.0	10.6	10.9	10.4	10.1	10.3
3	11.3	10.8	11.1	12.1	11.9	12.0	10.6	9.7	10.1	10.2	9.2	9.7
4	10.8	10.5	10.7	12.1	11.8	12.0	9.9	9.4	9.7	9.4	8.2	8.7
5	10.9	10.5	10.8	11.8	11.5	11.6	9.8	8.9	9.3	8.5	7.4	8.2
6	11.4	10.9	11.2	11.5	10.3	10.6	9.2	8.4	9.0	7.9	7.3	7.7
7	12.3	11.2	12.0	10.5	10.0	10.2	9.7	8.4	9.0	7.7	7.4	7.5
8	12.7	12.3	12.5	10.3	10.1	10.2	9.7	8.7	9.4	7.8	7.4	7.6
9	12.6	12.3	12.5	10.8	10.1	10.4	10.0	9.5	9.8	9.5	7.8	8.7
10	12.3	11.7	11.9	11.0	10.6	10.8	10.3	9.8	10.0	9.8	9.5	9.6
11	12.1	11.9	12.0	11.0	9.6	10.4	11.1	10.2	10.8	10.1	9.7	9.9
12	12.0	11.6	11.8	---	---	---	10.6	10.1	10.4	10.1	9.6	9.9
13	12.2	11.6	12.0	---	---	---	10.4	10.0	10.2	10.5	9.7	10.2
14	11.8	11.0	11.4	---	---	---	10.3	9.7	10.1	10.7	10.3	10.5
15	11.8	10.9	11.3	---	---	---	9.9	9.5	9.8	10.7	9.4	10.1
16	11.5	10.8	11.1	---	---	---	10.1	9.5	9.8	10.0	8.6	9.1
17	12.1	11.3	11.8	---	---	---	10.0	9.4	9.8	9.8	9.1	9.5
18	12.5	12.1	12.3	10.5	9.7	10.3	9.6	8.9	9.3	9.8	8.6	9.2
19	12.6	12.1	12.4	10.5	10.1	10.5	10.2	9.3	9.9	9.1	8.9	9.0
20	12.1	11.3	11.7	10.1	9.1	9.4	10.1	9.3	9.9	10.4	9.1	9.8
21	11.3	10.8	11.1	9.7	9.5	9.6	9.6	8.2	9.3	10.3	10.0	10.2
22	10.9	10.1	10.5	10.6	9.6	10.2	9.5	8.2	8.9	10.0	8.5	9.0
23	10.8	10.1	10.6	11.1	10.6	10.9	10.1	9.5	9.8	9.9	8.9	9.6
24	11.2	10.8	11.0	10.9	10.2	10.5	10.3	9.4	9.9	10.0	9.8	9.9
25	11.7	11.1	11.4	10.2	9.6	9.8	10.1	9.5	9.8	10.6	10.0	10.4
26	12.1	11.5	11.7	9.9	9.7	9.8	10.1	9.2	9.7	10.8	10.2	10.5
27	12.0	11.8	11.9	9.9	9.1	9.7	9.9	9.0	9.4	10.9	10.4	10.6
28	---	---	---	9.5	9.1	9.3	9.4	8.8	9.0	10.9	9.9	10.5
29	---	---	---	9.6	9.3	9.5	10.6	9.4	10.3	9.9	9.1	9.6
30	---	---	---	9.9	9.6	9.8	10.5	9.3	10	9.7	8.8	9.3
31	---	---	---	10.5	9.8	10.2	---	---	---	9.4	8.5	9.1
MONTH	---	---	---	---	---	---	11.1	8.2	9.8	10.9	7.3	9.5

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333924 LONGITUDE 0844025 NAD83 DRAINAGE AREA 2060 CONTRIBUTING DRAINAGE AREA 2060 DATUM 719.07 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.2	8.7	9.1	7.6	6.8	7.2	8.2	7.0	7.8	7.2	6.9	7.1
2	9.2	8.7	8.9	7.9	7.7	7.8	8.7	7.4	8.3	7.0	6.4	6.8
3	8.8	8.0	8.5	8.4	7.6	7.8	---	---	---	7.3	6.1	6.9
4	---	---	---	9.4	7.9	8.6	---	---	---	8.6	7.3	7.9
5	---	---	---	9.7	9.1	9.5	---	---	---	8.5	7.6	8.3
6	---	---	---	9.6	9.3	9.4	7.9	7.5	7.7	---	---	---
7	---	---	---	9.9	9.4	9.7	8.4	7.8	8.1	---	---	---
8	---	---	---	9.9	9.5	9.6	8.0	7.4	7.6	---	---	---
9	---	---	---	9.5	---	---	7.9	7.4	7.7	7.9	7.4	7.7
10	---	---	---	---	---	---	7.8	7.6	7.7	---	---	---
11	---	---	---	8.9	8.5	8.7	7.7	6.9	7.5	---	---	---
12	---	---	---	8.5	7.4	7.9	8.0	6.9	7.5	8.3	7.9	8.1
13	---	---	---	7.4	7.0	7.3	8.5	8.0	8.3	8.2	7.9	8.1
14	---	---	---	7.7	7.3	7.4	8.5	8.2	8.4	8.0	7.6	7.9
15	---	---	---	7.7	6.8	7.1	8.5	7.8	8.2	---	---	---
16	---	---	---	7.3	6.7	7.1	8.8	7.9	8.2	7.8	7.2	7.6
17	---	---	---	---	---	---	8.5	7.0	7.8	7.8	7.2	7.6
18	8.2	7.5	7.8	---	---	---	7.8	6.9	7.4	8.1	7.5	7.9
19	8.3	7.6	7.9	---	---	---	8.0	6.9	7.7	7.8	7.5	7.7
20	7.6	7.1	7.5	---	---	---	8.4	7.6	7.9	8.0	7.7	7.9
21	9.3	7.6	7.9	---	---	---	8.6	8.1	8.3	7.8	7.2	7.5
22	10.1	9.3	9.8	8.0	7.5	7.8	8.8	8.1	8.3	7.2	6.5	7.0
23	10.2	9.9	10.1	8.0	7.0	7.6	8.6	7.4	7.9	7.5	5.9	6.9
24	10.4	10.1	10.2	7.8	7.4	7.6	8.0	6.8	7.5	7.5	7.2	7.4
25	10.2	10.1	10.2	7.9	7.7	7.8	6.8	6.4	6.7	7.8	7.1	7.5
26	10.3	10.0	10.2	8.6	7.9	8.5	7.4	6.3	7.0	8.0	7.4	7.8
27	10.5	10.1	10.3	8.8	8.0	8.5	8.5	5.0	7.7	8.1	7.5	7.8
28	10.3	---	---	8.3	7.4	8.0	8.6	6.6	7.7	7.8	7.5	7.7
29	---	---	---	8.2	6.6	7.8	---	---	---	8.1	7.5	7.9
30	---	---	---	8.5	0.1	4.7	---	---	---	8.5	7.8	8.3
31	---	---	---	8.2	0.1	6.0	7.6	5.7	6.8	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

APALACHICOLA RIVER BASIN
2003 Water Year

02337395 DOG RIVER AT NORTH HELTON ROAD, NEAR WINSTON, GA

LOCATION.—Lat 33°39'59", long 84°52'17" referenced to North American Datum (NAD) of 1983, Douglas County, Hydrologic Unit 03130002, at bridge crossing on North Helton Road, and 10.5 miles above mouth.

DRAINAGE AREA.—44.2 square miles.

COOPERATION.—U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---November 2002 to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
NOV													
15...	1145	9	80020	4.50	E50	40	4.7	742	9.9	91	6.9	56	10.6
JAN													
27...	1330	9	80020	4.43	40	40	2.5	754	12.3	95	6.8	43	3.9
APR													
02...	1215	9	80020	4.50	50	10	3.6	750	9.4	93	6.8	39	14.4
MAY													
20...	1230	9	80020	4.87	129	10	17	748	9.3	98	6.5	37	16.9
JUL													
08...	1200	9	80020	4.71	86	10	15	749	7.8	91	6.6	48	22.2
SEP													
17...	1530	9	80020	4.28	28	10	15	745	8.6	99	6.9	42	20.9

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)
NOV													
15...	3.02	5.1	.18	.08	.06	.32	<.008	.12	<.02	.05	.017	.50	.6
JAN													
27...	<.20	<.2	.14	.06	.05	.24	<.008	.09	<.02	.04	.009	.38	.3
APR													
02...	2.01	2.4	.14	--	E.03	.20	<.008	--	<.02	.06	.008	.34	.3
MAY													
20...	2.24	2.9	.28	--	E.04	.18	<.008	--	<.02	.08	.033	.46	.9
JUL													
08...	2.44	3.6	.17	.05	.04	.26	<.008	.13	<.02	.07	.031	.43	.7
SEP													
17...	2.82	2.8	.17	--	E.03n	.17	<.008	--	<.02	.05	.013	.34	.4

02337395 DOG RIVER AT NORTH HELTON ROAD, NEAR WINSTON, GA---continued.

Date	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)
NOV													
15...	<.1	.6	2.0	140	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006
JAN													
27...	<.1	.3	1.0	5k	<.09	<.006	<.1	<.005	E.002	<.004	<.004	<.006	<.006
APR													
02...	<.1	.3	1.2	62	<.09	<.006	<.1	<.005	E.003	<.004	<.004	<.006	<.006
MAY													
20...	<.1	.9	2.2	270	<.09	<.006	<.1	<.005	E.003	<.004	<.004	<.006	<.006
JUL													
08...	<.1	.7	1.9	140	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006
SEP													
17...	<.1	.4	1.7	210	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006

Date	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)	Azinphos-methyl oxon, water, fltrd, ug/L (61635)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)
NOV													
15...	<.004	E.004	<.02	<.050	<.010	E.004	<.06	<.005	<.006	<.008	<.009	<.003	<.004
JAN													
27...	<.004	E.004	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004
APR													
02...	<.004	.015	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004
MAY													
20...	<.004	.011	<.02	<.050	<.010	<.041	<.06	E.003	<.006	<.008	<.009	<.003	<.004
JUL													
08...	<.004	.007	<.12	<.050	<.010	E.007t	<.06	<.005	<.006	<.008	<.009	<.003	<.004
SEP													
17...	<.004	<.007	--u	<.050	<.010	E.013t	<.06	<.005	<.006	<.008	<.009	<.003	<.004

Date	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)
NOV													
15...	--	<.005	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
JAN													
27...	<.04	<.005	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
APR													
02...	<.04	<.005	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
MAY													
20...	<.01	.007	<.08	<.005	<.006	<.03	<.004	<.008	<.12	<.03	<.009	<.005	<.005
JUL													
08...	<.01	<.005	<.08	<.005	<.006	<.03	<.004	<.008	<.12	<.03	<.009	<.005	<.005
SEP													
17...	<.01	<.005	<.08	<.005	<.006	<.03	<.004	<.031	--u	<.03	<.009	<.005	<.005

02337395 DOG RIVER AT NORTH HELTON ROAD, NEAR WINSTON, GA---continued.

Date	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)
NOV													
15...	<.007	<.002	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013
JAN													
27...	<.007	<.002	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013
APR													
02...	<.007	<.002	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013
MAY													
20...	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013
JUL													
08...	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013
SEP													
17...	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013

Date	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)
NOV													
15...	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	.052	<.02	<.07
JAN													
27...	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	.040	<.02	<.07
APR													
02...	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	.018	<.02	<.07
MAY													
20...	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	.021	<.02	<.07
JUL													
08...	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	.011	<.02	<.07
SEP													
17...	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	.007	.02	<.07

Date	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
NOV								
15...	<.02	<.01	<.009	<.01	94	9	15.00	3070
JAN								
27...	<.02	<.01	<.009	<.01	91	6	15.00	3070
APR								
02...	<.02	<.01	<.009	<.01	91	7	15.00	3045
MAY								
20...	<.02	<.01	<.009	<.01	91	27	15.00	3045
JUL								
08...	<.02	<.01	<.009	<.01	92	16	15.00	3045
SEP								
17...	<.02	<.01	<.009	<.01	96	5	15.00	3045

02337395 DOG RIVER AT NORTH HELTON ROAD, NEAR WINSTON, GA---continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
MAY								
02...	1400	D	1.8	61	62.90	.6	1.5	280
02...	1405	D	.4	15	15.60	<.2	.4	280

Remark codes used in this report:
   < -- Less than
   E -- Estimated value

Value qualifier codes used in this report:
   k -- Counts outside acceptable range
   n -- Below the NDV
   t -- Below the long-term MDL

Null value qualifier codes used in this report:
   u -- Unable to determine-matrix interference

02337448 HURRICANE CREEK TRIBUTARY NEAR FAIRPLAY, GA

LOCATION.—Lat 33°35'03", long 84°50'54" referenced to North American Datum (NAD) of 1927, Douglas County, Hydrologic Unit 03130002, at culvert on GA 5, 8.0 miles east of Fairplay.

DRAINAGE AREA.—0.33 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1977 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 930.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but it not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

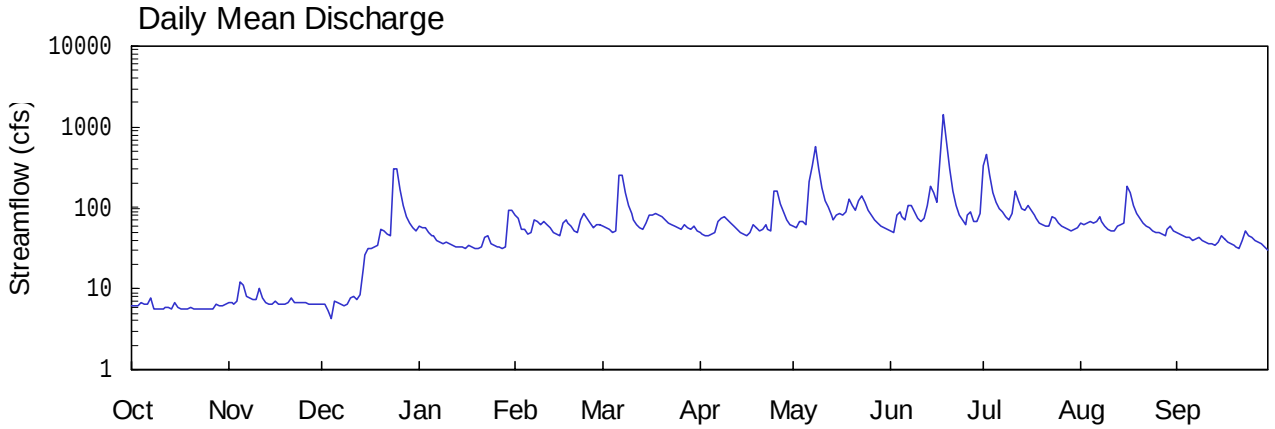
MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 9.46 feet, November 5, 1977
DISCHARGE: 292 cfs, November 5, 1977

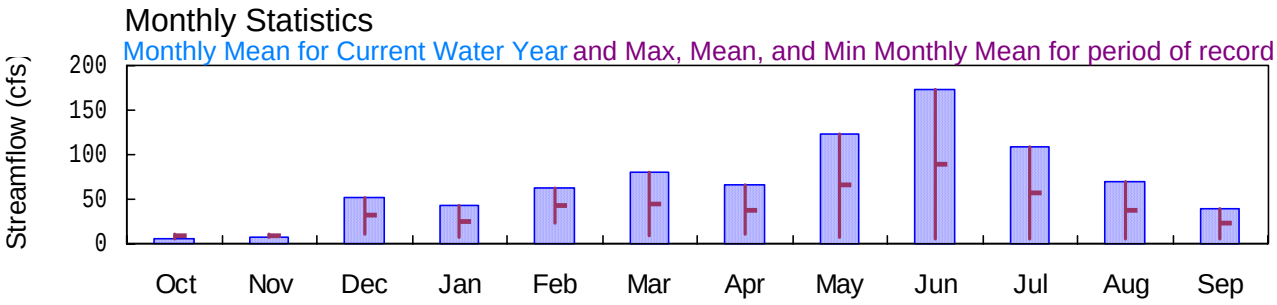
MAXIMUM FOR CURRENT YEAR.—
STAGE: 6.94 feet, June 17
DISCHARGE: 147 cfs, June 17

2003 Water Year

02337500 SNAKE CREEK NEAR WHITESBURG, GA

Latitude: 33°31'46" Longitude: 084°55'42" Hydrologic Unit Code: 03130002 Carroll County
Drainage Area: 35.5 mi^2 Datum: 832.7 feet





APALACHICOLA RIVER BASIN
2003 Water Year

02337500 SNAKE CREEK NEAR WHITESBURG, GA
(National Water-Quality Assessment station)

LOCATION.—Lat 33°31'46", long 84°55'42" referenced to North American Datum (NAD) of 1927, Carroll County, Hydrologic Unit 03130002, on left bank, on downstream side of former bridge pier, 50.0 feet upstream from county highway bridge, at Banning Mills, 1.6 miles north of US 27 (ALT), 3.0 miles northwest of Whitesburg, 4.0 miles downstream from Little Snake Creek, and 7.0 miles upstream from mouth.

DRAINAGE AREA.—35.5 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—September 1954 to current year.

REVISED RECORDS.—WDR GA-90-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 832.75 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good. Flow regulated by earthen dam upstream of gage since September, 2001.

WATER-STAGE RECORDS

PERIOD OF RECORD.—September 1954 to current year.

REVISED RECORD.—WDR GA-90-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 832.75 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 8.70 feet, June 18; minimum gage-height recorded, 1.60 feet, December 4.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 21, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337500 SNAKE CREEK NEAR WHITESBURG, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 045
LATITUDE 333146 LONGITUDE 0845542 NAD27 DRAINAGE AREA 35.50 CONTRIBUTING DRAINAGE AREA 35.50* DATUM 832.75 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	6.7	6.3	60	83	59	48	58	52	331	64	49
2	6.1	6.7	6.3	58	75	58	47	56	48	453	62	47
3	6.2	6.6	5.4	56	55	53	46	67	80	251	64	45
4	6.6	7.1	4.2	49	54	49	45	68	91	156	69	43
5	6.3	12	7.2	46	48	51	48	62	77	116	65	43
6	6.5	11	6.7	45	49	253	49	208	70	100	69	40
7	7.5	8.2	6.4	40	73	249	67	330	107	89	77	41
8	5.6	7.6	6.1	38	69	151	74	581	108	78	67	43
9	5.6	7.3	6.3	37	62	109	76	299	89	72	60	40
10	5.6	7.3	7.6	38	67	85	71	179	75	84	54	38
11	5.6	10	8.0	37	61	71	64	124	68	162	52	36
12	5.9	7.5	7.4	34	56	62	58	100	75	124	52	36
13	5.8	6.6	8.5	33	50	58	54	81	105	98	59	34
14	5.6	6.3	17	32	47	54	50	72	182	93	63	37
15	6.7	6.3	26	32	45	64	47	82	156	106	64	46
16	5.9	7.0	31	32	64	80	46	84	116	94	188	42
17	5.6	6.6	32	35	73	83	49	82	415	81	151	38
18	5.6	6.3	33	32	65	87	61	89	1440	73	109	36
19	5.6	6.3	34	32	58	81	56	126	658	66	87	34
20	5.8	6.8	55	32	53	78	52	107	305	62	74	33
21	5.6	7.6	52	32	50	71	54	92	161	59	65	32
22	5.6	6.7	48	42	72	65	63	122	107	59	61	40
23	5.6	6.7	45	44	84	62	55	143	81	76	56	52
24	5.6	6.7	310	36	73	60	51	116	70	76	53	46
25	5.6	6.7	310	34	64	56	158	93	63	66	50	43
26	5.6	6.7	170	33	58	55	162	81	82	60	49	40
27	5.6	6.4	108	32	63	61	114	72	89	57	47	39
28	6.5	6.3	79	31	62	57	88	64	69	54	46	36
29	6.1	6.3	65	34	---	55	71	61	67	53	55	33
30	6.1	6.3	56	94	---	59	63	57	86	53	59	29
31	6.6	---	52	94	---	52	---	55	---	58	53	---
TOTAL	184.7	216.6	1609.4	1304	1733	2488	1987	3811	5192	3360	2144	1191
MEAN	5.96	7.22	51.9	42.1	61.9	80.3	66.2	123	173	108	69.2	39.7
MAX	7.5	12	310	94	84	253	162	581	1440	453	188	52
MIN	5.6	6.3	4.2	31	45	49	45	55	48	53	46	29
CFSM	0.17	0.20	1.46	1.18	1.74	2.26	1.87	3.46	4.88	3.05	1.95	1.12
IN.	0.19	0.23	1.69	1.37	1.82	2.61	2.08	3.99	5.44	3.52	2.25	1.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	8.36	9.11	31.6	24.9	42.8	44.9	38.2	65.2	89.6	56.9	37.1	22.6
MAX	10.8	11.0	51.9	42.1	61.9	80.3	66.2	123	173	108	69.2	39.7
(WY)	2002	2002	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	5.96	7.22	11.3	7.73	23.8	9.58	10.1	7.51	6.04	5.47	5.11	5.50
(WY)	2003	2003	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	4423.7		25220.7			
ANNUAL MEAN	12.1		69.1		39.2	
HIGHEST ANNUAL MEAN					69.1	2003
LOWEST ANNUAL MEAN					9.39	2002
HIGHEST DAILY MEAN	310	Dec 24	1440	Jun 18	1440	Jun 18 2003
LOWEST DAILY MEAN	4.2	Dec 4	4.2	Dec 4	4.2	Dec 4 2002
ANNUAL SEVEN-DAY MINIMUM	4.8	Aug 19	5.6	Oct 21	4.8	Aug 19 2002
MAXIMUM PEAK FLOW			2900	Jun 18	7690	Feb 25 1961
MAXIMUM PEAK STAGE			8.70	Jun 18	14.40	Feb 25 1961
ANNUAL RUNOFF (CFSM)	0.34		1.95		1.11	
ANNUAL RUNOFF (INCHES)	4.64		26.43		15.02	
10 PERCENT EXCEEDS	13		111		82	
50 PERCENT EXCEEDS	6.3		55		11	
90 PERCENT EXCEEDS	5.2		6.3		5.3	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337500 SNAKE CREEK NEAR WHITESBURG, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 045
LATITUDE 333146 LONGITUDE 0845542 NAD27 DRAINAGE AREA 35.50 CONTRIBUTING DRAINAGE AREA 35.50* DATUM 832.75 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.68	1.70	1.72	2.39	2.55	2.38	2.29	2.37	2.32	3.46	2.50	2.29
2	1.69	1.70	1.72	2.37	2.49	2.37	2.28	2.36	2.29	3.80	2.48	2.27
3	1.69	1.70	1.69	2.35	2.34	2.33	2.27	2.44	2.52	3.27	2.50	2.26
4	1.70	1.71	1.64	2.29	2.33	2.30	2.26	2.44	2.59	2.96	2.54	2.24
5	1.69	1.81	1.74	2.27	2.29	2.31	2.28	2.40	2.51	2.80	2.50	2.24
6	1.69	1.79	1.73	2.26	2.29	3.20	2.30	3.11	2.46	2.72	2.53	2.21
7	1.72	1.74	1.72	2.20	2.48	3.25	2.44	3.48	2.68	2.66	2.58	2.22
8	1.67	1.72	1.72	2.18	2.45	2.90	2.49	4.12	2.69	2.60	2.52	2.24
9	1.67	1.71	1.72	2.17	2.40	2.70	2.50	3.39	2.59	2.56	2.46	2.21
10	1.67	1.72	1.75	2.19	2.44	2.56	2.47	3.01	2.49	2.61	2.41	2.18
11	1.67	1.80	1.76	2.17	2.40	2.47	2.41	2.77	2.45	2.99	2.40	2.16
12	1.68	1.75	1.75	2.14	2.36	2.40	2.37	2.65	2.49	2.83	2.40	2.16
13	1.68	1.73	1.77	2.12	2.31	2.37	2.34	2.53	2.65	2.71	2.46	2.14
14	1.67	1.72	1.93	2.12	2.28	2.34	2.30	2.48	3.02	2.68	2.49	2.17
15	1.70	1.72	2.05	2.12	2.26	2.42	2.28	2.54	2.92	2.75	2.46	2.27
16	1.68	1.74	2.11	2.12	2.41	2.53	2.26	2.56	2.73	2.68	3.04	2.23
17	1.67	1.73	2.12	2.15	2.48	2.55	2.29	2.54	3.65	2.61	2.90	2.19
18	1.67	1.72	2.13	2.12	2.42	2.57	2.39	2.58	6.04	2.56	2.70	2.16
19	1.67	1.72	2.14	2.12	2.37	2.53	2.35	2.79	4.31	2.51	2.57	2.14
20	1.68	1.73	2.34	2.12	2.33	2.51	2.32	2.69	3.42	2.48	2.49	2.12
21	1.67	1.75	2.32	2.12	2.31	2.47	2.33	2.60	2.98	2.45	2.43	2.12
22	1.67	1.73	2.29	2.23	2.47	2.42	2.41	2.76	2.75	2.46	2.39	2.20
23	1.67	1.73	2.26	2.25	2.55	2.40	2.35	2.86	2.61	2.58	2.36	2.32
24	1.67	1.73	3.29	2.17	2.48	2.38	2.31	2.73	2.54	2.58	2.33	2.27
25	1.67	1.73	3.42	2.14	2.41	2.35	2.90	2.61	2.49	2.51	2.30	2.23
26	1.67	1.73	2.97	2.13	2.37	2.35	2.94	2.53	2.47	2.47	2.29	2.20
27	1.67	1.72	2.69	2.12	2.41	2.39	2.72	2.47	2.52	2.44	2.28	2.19
28	1.69	1.72	2.52	2.11	2.40	2.36	2.58	2.42	2.54	2.42	2.27	2.17
29	1.68	1.72	2.42	2.13	---	2.35	2.47	2.39	2.52	2.40	2.34	2.13
30	1.68	1.72	2.36	2.61	---	2.38	2.41	2.36	2.62	2.41	2.38	2.09
31	1.70	---	2.32	2.62	---	2.32	---	2.34	---	2.45	2.33	---
MEAN	1.68	1.73	2.13	2.21	2.40	2.49	2.41	2.69	2.83	2.69	2.47	2.20
MAX	1.72	1.81	3.42	2.62	2.55	3.25	2.94	4.12	6.04	3.80	3.04	2.32
MIN	1.67	1.70	1.64	2.11	2.26	2.30	2.26	2.34	2.29	2.40	2.27	2.09

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02337500 SNAKE CREEK NEAR WHITESBURG, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 045
LATITUDE 333146 LONGITUDE 0845542 NAD27 DRAINAGE AREA 35.50 CONTRIBUTING DRAINAGE AREA 35.50* DATUM 832.75 NGVD29

APPROVED

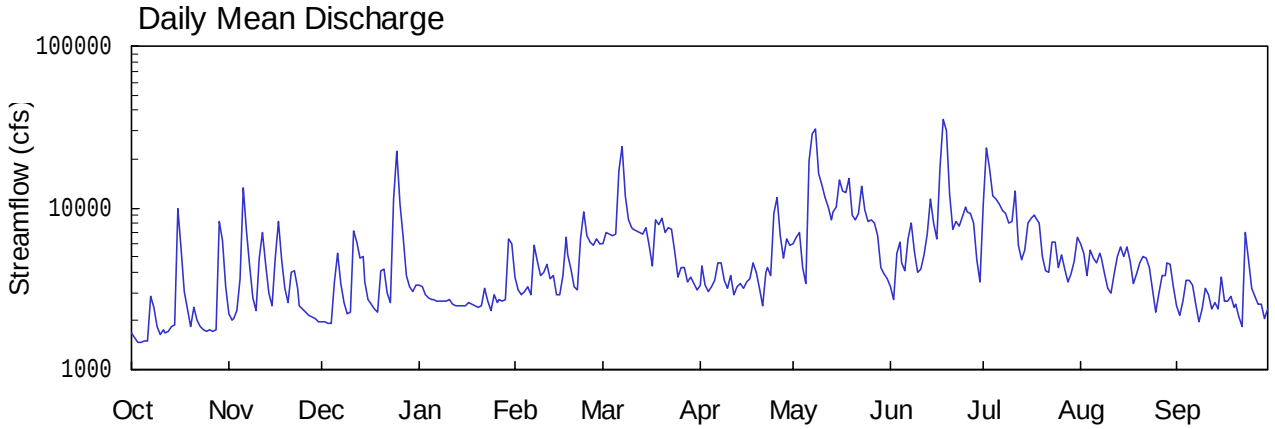
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

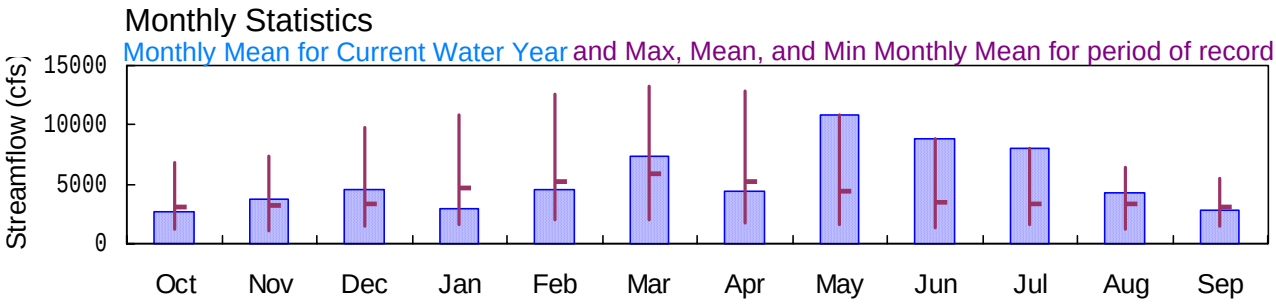
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.04	0.00	0.01	0.00	0.10	0.00	2.30	0.00	0.00
2	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.78	0.08	0.03	0.00	0.00
3	0.00	0.38	0.00	0.00	0.00	0.00	0.00	0.25	0.74	0.00	0.53	0.00
4	0.49	0.17	0.05	0.00	0.16	0.06	0.02	0.00	0.08	0.00	0.00	0.02
5	0.01	2.63	0.52	0.00	0.00	1.26	0.17	1.47	0.00	0.03	0.00	0.01
6	0.99	0.00	0.00	0.00	1.11	1.40	0.18	1.12	1.32	0.00	1.15	0.01
7	0.62	0.00	0.00	0.00	0.03	0.02	1.03	1.60	0.38	0.00	0.39	0.05
8	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.30	0.00	0.33	0.00	0.00
9	0.00	0.01	0.00	0.00	0.22	0.00	0.37	0.00	0.00	0.00	0.00	0.00
10	0.03	0.10	1.15	0.01	0.34	0.00	0.06	0.00	0.00	0.87	0.00	0.00
11	0.00	1.54	0.01	0.00	0.00	0.00	0.00	0.34	0.60	0.02	0.46	0.00
12	0.65	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.09	0.00
13	0.27	0.00	0.78	0.00	0.00	0.00	0.00	0.00	0.92	0.03	0.33	0.00
14	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.25	0.17	0.55	0.01	0.00
15	1.50	0.25	0.00	0.00	0.00	1.23	0.00	0.31	0.00	0.02	0.00	0.00
16	0.05	0.39	0.00	0.15	1.25	0.01	0.00	0.45	0.01	0.05	2.77	0.00
17	0.00	0.00	0.00	0.00	0.01	0.55	0.87	0.06	6.17	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.50	3.59	0.00	0.04	0.00
19	0.00	0.01	0.85	0.00	0.00	0.29	0.00	0.25	0.03	0.00	0.00	0.00
20	0.35	0.78	0.01	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.15	0.00	0.12	0.14	0.00	0.90	0.68	0.00	0.12	0.00	0.04
22	0.00	0.00	0.02	0.49	0.64	0.00	0.00	0.52	0.00	0.75	0.00	1.53
23	0.01	0.00	0.07	0.00	0.00	0.00	0.00	0.01	0.00	0.41	0.00	0.00
24	0.00	0.00	2.59	0.00	0.00	0.00	0.78	0.00	0.00	0.00	0.00	0.00
25	0.06	0.00	0.00	0.00	0.00	0.00	1.49	0.00	0.00	0.00	0.00	0.00
26	0.01	0.00	0.00	0.00	0.38	0.28	0.00	0.00	0.00	0.00	0.00	0.00
27	0.04	0.00	0.00	0.00	0.25	0.01	0.00	0.00	0.04	0.00	0.00	0.04
28	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00
29	0.14	0.00	0.00	1.08	---	0.13	0.00	0.00	0.08	0.00	0.32	0.00
30	0.01	0.00	0.00	0.86	---	0.26	0.00	0.00	1.60	0.00	0.00	0.00
31	0.00	---	0.46	0.00	---	0.00	---	0.00	---	0.47	0.00	---
TOTAL	6.03	6.49	6.51	2.92	4.54	5.60	6.10	8.99	16.09	5.98	6.09	1.70

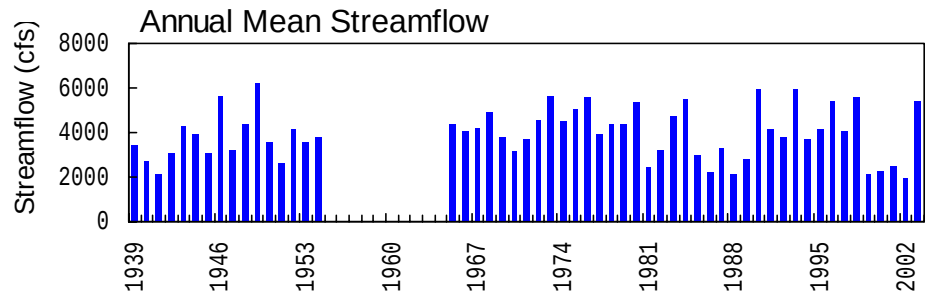
2003 Water Year

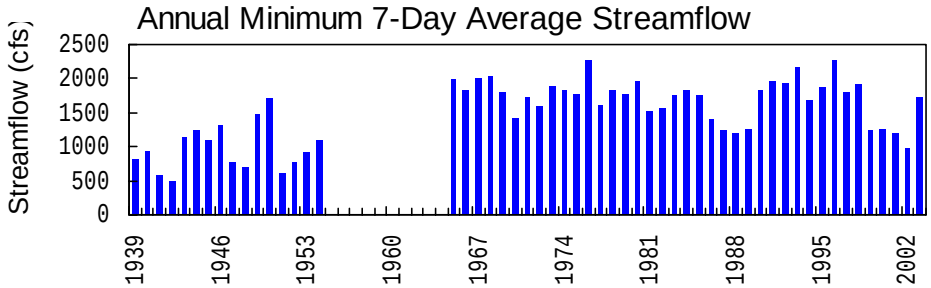
02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA

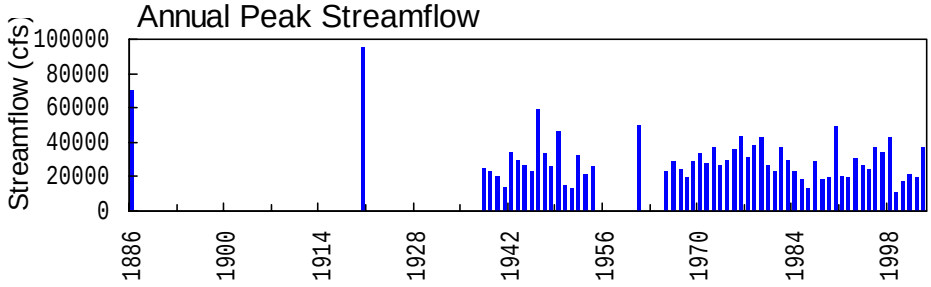
Latitude: 33°28'37" Longitude: 084°54'03" Hydrologic Unit Code: 03130002 Carroll County
Drainage Area: 2430. mi^2 Datum: 682.0 feet











APALACHICOLA RIVER BASIN
2003 Water Year

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA
(National Water-Quality Assessment station)

LOCATION.—Lat 33°28'37", long 84°54'03" referenced to North American Datum (NAD) of 1927, Carroll-Coweta County line, Hydrologic Unit 03130002, at downstream end of right bank pier of bridge on GA 16, 0.5 miles upstream from Central of Georgia Railroad bridge, 1.2 miles southeast of Whitesburg, 1.5 miles downstream from Cedar Creek, 2.0 miles downstream from Snake Creek, and at mile 259.8.

DRAINAGE AREA.—2,430 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1938 to June 1954; January 1965 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 682.06 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to May 1, 1949, a non-recording gage was located at site 1.0 mile upstream at datum 2.00 feet higher. From May 1, 1949 to June 30, 1954, a non-recording gage was located at present site at datum 2.00 feet higher.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Flow regulated by Lake Sidney Lanier since January 1956. Considerable diurnal fluctuation caused by the operation of the Morgan Falls hydroelectric plant. Statistics prior to regulation are available upon request.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1938 to June 1954; January 1965 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 682.06 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to May 1, 1949, a non-recording gage was located at site 1.0 mile upstream at datum 2.00 feet higher. From May 1, 1949 to June 30, 1954, a non-recording gage was located at present site at datum 2.00 feet higher.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 22.06 feet, June 18; minimum gage-height recorded, 2.65 feet, October 4, 5.

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA—continued.
(National Water-Quality Assessment station)

PRECIPITATION RECORDS

PERIOD OF RECORD.—December 4, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 045
LATITUDE 332837 LONGITUDE 0845403 NAD27 DRAINAGE AREA 2430.00* CONTRIBUTING DRAINAGE AREA DATUM 682.06 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1670	2230	1980	3300	3740	5990	3360	6060	3230	10400	5970	2480
2	1560	2010	1980	3250	3140	7070	4340	6540	2710	23300	5270	2170
3	1480	2080	1930	e2900	2910	6930	3320	7000	5180	17500	3800	2670
4	1460	2300	1910	e2800	3020	6790	3040	4240	6160	11900	5480	3530
5	1520	3630	3510	e2700	3230	6820	3220	3370	4550	11400	4870	3530
6	1520	13200	5240	e2690	2900	16900	3560	19600	4100	10700	4600	3350
7	2870	7260	3430	2680	5880	24200	4530	29000	6390	9590	5240	2530
8	2450	4370	2610	2650	4680	11900	4580	30900	8150	9190	4930	1990
9	1870	2800	2230	2620	3780	8350	3580	16200	5320	8080	3880	2390
10	1640	2330	2250	2670	3980	7600	3210	13800	3980	8250	3150	3170
11	1770	4870	7250	2690	4500	7370	3840	11600	4170	12800	3000	2900
12	1690	6970	6190	2550	3670	7210	2920	10000	5100	5900	3930	2380
13	1710	4510	4890	2500	3800	7030	3220	8410	6950	4770	4990	2610
14	1830	2990	5020	2500	2880	6940	3380	9360	11400	5490	5690	2350
15	1900	2480	3460	2510	2920	7550	3200	10200	8100	8080	5050	3760
16	9910	4880	2720	2480	3780	5850	3500	14800	6410	8640	5750	2640
17	5570	8280	2540	2600	6560	4370	3630	12600	17800	9010	4660	2640
18	3060	4790	2360	2520	5150	8480	4520	12500	35200	8680	3400	2850
19	2350	3180	2280	2490	4130	7820	3970	15100	30100	8110	3880	2420
20	1850	2600	4060	2420	3250	8560	3210	9120	12200	5000	4540	2510
21	2440	3970	4150	2460	3120	7020	2480	8520	7330	4040	5020	2100
22	2030	4120	2950	3190	6420	7600	4010	9170	8200	3990	4850	1860
23	1830	3150	2600	2650	9400	7320	4320	13700	7740	6180	4250	6990
24	1760	2500	11200	2330	6720	5330	3800	9670	8840	6100	3100	4800
25	1730	2350	22200	2900	6180	3700	9210	8260	10000	4280	2250	3190
26	1750	2260	10500	2580	5850	4240	11600	8440	9340	5110	2960	2850
27	1710	2190	6540	2690	6380	4300	6790	8090	9310	4200	3820	2530
28	1760	2120	3840	2640	5960	3490	4850	6690	7980	3490	3830	2520
29	8160	2060	3240	2700	---	3760	6480	4250	4760	3930	e4580	2080
30	6330	2000	3040	6460	---	3430	5900	3940	3500	4700	e4470	2380
31	3240	---	3320	6000	---	3130	---	3640	---	6590	3250	---
TOTAL	82420	114480	141420	90120	127930	227050	131570	334770	264200	249400	134460	86170
MEAN	2659	3816	4562	2907	4569	7324	4386	10800	8807	8045	4337	2872
MAX	9910	13200	22200	6460	9400	24200	11600	30900	35200	23300	5970	6990
MIN	1460	2000	1910	2330	2880	3130	2480	3370	2710	3490	2250	1860
CFSM	1.09	1.57	1.88	1.20	1.88	3.01	1.80	4.44	3.62	3.31	1.78	1.18
IN.	1.26	1.75	2.16	1.38	1.96	3.48	2.01	5.12	4.04	3.82	2.06	1.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2003, BY WATER YEAR (WY)

MEAN	3055	3216	3398	4747	5240	5930	5173	4392	3512	3330	3391	3103
MAX	6800	7349	9716	10900	12550	13320	12830	10800	8807	8045	6396	5545
(WY)	1990	1993	1993	1993	1990	1990	1979	2003	2003	2003	1984	1967
MIN	1153	1067	1477	1643	1997	2060	1797	1574	1383	1544	1259	1534
(WY)	2002	2002	1989	1981	2002	1988	1986	2000	1988	2002	2002	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1965 - 2003	
ANNUAL TOTAL	915550		1983990			
ANNUAL MEAN	2508		5436		4032	
HIGHEST ANNUAL MEAN					5959	1990
LOWEST ANNUAL MEAN					1897	2002
HIGHEST DAILY MEAN	22200	Dec 25	35200	Jun 18	47600	Mar 18 1990
LOWEST DAILY MEAN	990	Sep 9	1460	Oct 4	939	Nov 12 2001
ANNUAL SEVEN-DAY MINIMUM	1020	Aug 9	1730	Oct 1	976	Nov 11 2001
MAXIMUM PEAK FLOW			37500	Jun 18	48700	Mar 18 1990
MAXIMUM PEAK STAGE			22.06	Jun 18	25.90	Mar 18 1990
ANNUAL RUNOFF (CFSM)	1.03		2.24		1.66	
ANNUAL RUNOFF (INCHES)	14.02		30.37		22.54	
10 PERCENT EXCEEDS	4620		9620		7640	
50 PERCENT EXCEEDS	1710		3980		2980	
90 PERCENT EXCEEDS	1150		2210		1650	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 045
LATITUDE 332837 LONGITUDE 0845403 NAD27 DRAINAGE AREA 2430.00* CONTRIBUTING DRAINAGE AREA DATUM 682.06 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.99	3.61	3.33	4.31	4.70	6.50	4.36	6.55	4.25	9.30	6.49	3.52
2	2.86	3.37	3.34	4.26	4.16	7.29	5.21	6.91	3.75	16.55	5.96	3.20
3	2.77	3.45	3.29	---	3.94	7.19	4.32	7.24	5.75	13.53	4.75	3.68
4	2.73	3.68	3.26	---	4.05	7.09	4.06	5.10	6.61	10.44	6.12	4.52
5	2.81	4.87	4.71	---	4.24	7.11	4.23	4.37	5.38	10.16	5.64	4.52
6	2.81	11.39	6.27	---	3.94	13.07	4.53	14.56	5.01	9.70	5.43	4.36
7	4.17	7.73	4.76	3.72	6.37	16.92	5.35	18.86	6.76	9.00	5.94	3.57
8	3.81	5.57	3.99	3.69	5.49	10.37	5.40	19.59	8.03	8.73	5.69	3.01
9	3.21	4.17	3.61	3.67	4.74	8.16	4.56	12.88	5.99	7.98	4.83	3.41
10	2.95	3.71	3.62	3.71	4.90	7.65	4.23	11.57	4.91	8.10	4.17	4.19
11	3.10	5.78	7.65	3.74	5.34	7.50	4.78	10.24	5.07	10.95	4.03	3.94
12	3.01	7.54	6.98	3.59	4.64	7.39	3.96	9.27	5.82	6.43	4.85	3.42
13	3.03	5.68	6.00	3.55	4.75	7.26	4.23	8.20	7.17	5.56	5.74	3.65
14	3.17	4.36	6.10	3.54	3.91	7.20	4.38	8.85	10.14	6.12	6.28	3.39
15	3.23	3.87	4.79	3.55	3.95	7.62	4.22	9.37	7.99	7.98	5.79	4.70
16	9.44	5.81	4.10	3.53	4.70	6.37	4.49	12.07	6.81	8.36	6.33	3.68
17	6.48	8.43	3.93	3.64	6.92	5.23	4.61	10.80	13.47	8.61	5.47	3.68
18	4.42	5.91	3.74	3.57	5.86	8.25	5.36	10.76	21.21	8.39	4.40	3.89
19	3.72	4.54	3.66	3.53	5.04	7.81	4.90	12.28	19.26	8.00	4.81	3.46
20	3.20	3.98	5.26	3.46	4.26	8.29	4.21	8.68	10.52	5.73	5.38	3.55
21	3.82	5.21	5.39	3.51	4.15	7.25	3.52	8.28	7.47	4.95	5.76	3.12
22	3.39	5.37	4.32	4.21	6.61	7.65	4.92	8.66	8.06	4.92	5.63	2.87
23	3.17	4.51	3.91	3.69	8.85	7.46	5.19	11.49	7.75	6.58	5.14	7.17
24	3.10	3.88	9.50	3.37	7.04	6.00	4.76	9.05	8.49	6.55	4.11	5.63
25	3.06	3.73	15.98	3.92	6.64	4.66	8.55	8.10	9.27	5.16	3.29	4.32
26	3.08	3.64	9.55	3.62	6.39	5.13	10.25	8.23	8.84	5.84	3.97	4.04
27	3.04	3.56	6.90	3.73	6.79	5.18	7.06	7.99	8.81	5.10	4.77	3.77
28	3.09	3.49	4.78	3.68	6.49	4.48	5.63	7.00	7.90	4.48	4.78	3.77
29	8.23	3.42	4.25	3.74	---	4.72	6.87	5.14	5.55	4.87	---	3.32
30	7.07	3.36	4.07	6.74	---	4.43	6.43	4.87	4.49	5.48	---	3.62
31	4.58	---	4.32	6.50	---	4.15	---	4.62	---	6.94	4.26	---
MEAN	3.86	4.92	5.33	---	5.32	7.27	5.15	9.41	8.02	7.76	---	3.90
MAX	9.44	11.39	15.98	---	8.85	16.92	10.25	19.59	21.21	16.55	---	7.17
MIN	2.73	3.36	3.26	---	3.91	4.15	3.52	4.37	3.75	4.48	---	2.87

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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LATITUDE 332837 LONGITUDE 0845403 NAD27 DRAINAGE AREA 2430.00* CONTRIBUTING DRAINAGE AREA DATUM 682.06 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	---	0.00	0.00	0.00	0.05	---	2.12	0.00	0.00
2	0.00	0.00	0.00	---	0.00	0.01	0.00	0.68	---	0.02	0.00	0.00
3	0.00	0.39	0.00	---	0.00	0.00	0.00	0.32	---	0.00	0.22	0.00
4	0.26	0.14	0.00	---	0.21	0.04	0.05	0.00	---	0.00	0.01	0.05
5	0.00	2.30	---	---	0.00	1.10	0.17	1.12	0.00	0.20	0.00	0.00
6	1.39	0.00	---	---	1.11	1.21	0.18	1.12	0.67	0.00	0.85	0.01
7	0.31	0.00	---	0.00	0.03	0.04	1.06	2.34	0.47	0.00	1.03	0.04
8	0.00	0.00	---	0.00	0.00	0.00	0.17	0.14	0.00	0.00	0.00	0.00
9	0.00	0.00	---	0.00	0.14	0.00	0.24	0.00	0.00	0.00	0.00	0.00
10	0.00	0.02	---	0.01	0.42	0.00	0.05	0.00	0.00	0.19	0.02	0.00
11	0.01	1.01	---	0.00	0.00	0.00	0.00	0.33	0.87	0.01	0.16	0.00
12	0.54	0.14	---	0.00	0.00	0.00	0.00	0.00	0.14	0.03	0.02	0.00
13	0.10	0.00	---	0.00	0.00	0.00	0.00	0.00	0.50	0.01	0.09	0.00
14	0.00	0.00	---	0.00	0.00	0.00	0.00	0.13	0.27	0.46	0.01	0.64
15	1.18	0.27	0.00	0.00	0.00	1.25	0.00	0.19	0.01	0.01	0.54	0.01
16	0.08	0.46	0.00	0.10	0.82	0.00	0.00	0.24	0.01	0.04	1.47	0.00
17	0.00	0.00	0.00	0.00	0.00	0.51	0.38	0.09	4.70	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.62	1.78	0.00	0.01	0.00
19	0.00	0.03	0.73	0.00	0.00	0.30	0.00	0.05	0.01	0.00	0.00	0.00
20	0.54	0.80	0.04	0.00	0.00	0.09	0.00	0.01	0.00	0.00	0.00	0.00
21	0.00	0.17	---	0.02	0.15	0.00	0.16	0.64	0.00	0.02	0.00	0.06
22	0.01	0.00	---	0.29	0.58	0.00	0.00	0.44	0.00	0.35	0.00	0.33
23	0.00	0.00	---	0.00	0.00	0.00	0.02	0.00	0.00	0.14	0.00	0.00
24	0.00	0.00	---	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00
25	0.04	0.00	---	0.00	0.00	0.00	1.36	0.31	0.00	0.00	0.00	0.00
26	0.02	0.00	---	0.00	0.39	0.13	0.00	0.05	0.00	0.00	0.00	0.00
27	0.03	0.00	---	0.00	0.24	0.00	0.00	0.00	0.02	0.00	0.00	0.13
28	---	0.00	---	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00
29	---	0.00	---	0.88	---	0.20	0.00	0.00	0.10	0.00	---	0.00
30	---	0.00	---	0.33	---	0.27	0.00	---	0.64	0.00	---	0.00
31	0.00	---	---	0.00	---	0.00	---	---	---	0.72	0.00	---
TOTAL	---	5.73	---	---	4.09	5.18	4.44	---	---	4.32	---	1.27

APALACHICOLA RIVER BASIN
2003 Water Year

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA
(National Water-Quality Assessment station)

LOCATION.—Lat 33°28'37", long 84°54'04", referenced to North American Datum (NAD) of 1927, Carroll-Coweta County line, Hydrologic Unit 03130002, 1.5 miles downstream from Cedar Creek, 2.0 miles downstream from Snake Creek, and at mile 259.8.

DRAINAGE AREA.—2,430 square miles, approximately.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.— February 1968 to May 1972, July 1975 to current year.

PERIOD OF DAILY RECORD.—

WATER TEMPERATURE: August 1975 to September 1976, November 1978 to September 1984.

EXTREMES FOR PERIOD OF DAILY RECORD.—

WATER TEMPERATURE: Maximum 31.5°C June 24, 1981: minimum, 1.5°C January 13, 1982.

REMARK—Datum of gage is 682.06 feet above sea level NGVD29.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)
OCT													
08...	1400	1028	80020	3.63	2250	20	70	750	6.3	75	7.0	114	--
NOV													
04...	1300	1028	80020	3.63	2250	40	15	750	8.7	88	7.3	143	--
DEC													
02...	1400	1028	80020	3.33	1990	40	5.1	750	10.1	90	7.5	147	13.0
JAN													
13...	1400	1028	80020	3.58	2200	20	6.7	754	10.5	91	7.4	137	--
FEB													
10...	1315	1028	80020	4.62	3270	20	16	749	10.3	91	7.3	99	--
MAR													
18...	1230	1028	80020	8.43	8660	40	55	741	9.0	88	7.1	190	--
31...	1230	1028	80020	4.21	3190	20	10	758	8.8	87	7.2	125	--
APR													
14...	1300	1028	80020	4.48	3460	20	13	755	8.6	89	7.3	111	--
28...	1300	1028	80020	5.69	4920	20	36	751	7.9	85	7.0	87	--
MAY													
19...	1300	1028	80020	13.07	16200	20	130	752	9.0	95	6.7	61	--
JUN													
02...	1330	1028	80020	3.73	2690	20	14	747	7.9	92	7.0	125	--
23...	1230	1028	80020	7.97	8070	20	37	738	9.2	102	7.0	88	28.0
JUL													
02...	1345	1028	80020	16.91	24100	20	150	747	7.1	81	6.6	50	--
22...	1430	1028	80020	4.93	4000	20	19	748	6.9	83	6.9	95	--
29...	1445	1028	80020	5.07	4160	20	24	746	7.0	87	7.0	112	--
AUG													
12...	1430	1028	80020	5.39	4550	20	19	750	5.8	71	7.1	125	--
25...	1215	1028	80020	3.42	2380	20	11	753	6.8	84	7.1	113	--
SEP													
08...	1330	1028	80020	3.06	2040	20	6.4	750	7.4	88	7.2	129	--

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA---continued.

Date	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)
OCT													
08...	22.9	22	27	7.73	--	8.7	.60	E.03	5.95	1.34	1.35	.036	.011
NOV													
04...	15.0	29	35	11.0	--	12.8	.35	<.04	--	--	2.07	--	E.006
DEC													
02...	9.6	31	38	10.1	--	9.9	.23	E.02	9.80	2.21	2.22	.026	.008
JAN													
13...	8.8	25	30	1.58	--	1.1	E.07	<.04	--	--	.12	--	<.008
FEB													
10...	9.1	22	27	6.28	--	6.8	.44	.14	4.13	.93	.95	.049	.015
MAR													
18...	13.3	20	24	6.83	7.13	6.5	E.61	E.11	--	--	E.83	--	E.018
31...	14.4	--	--	--	--	--	--	--	--	--	--	--	--
APR													
14...	16.3	25	30	7.58	--	7.2	.28	<.04	5.18	1.17	1.19	.069	.021
28...	18.2	--	--	--	--	--	.48	<.04	3.65	.82	.83	.026	.008
MAY													
19...	17.5	16	19	3.70	--	4.8	1.3	<.04	--	--	.58	--	E.007
JUN													
02...	22.0	--	--	--	--	--	.32	<.04	6.32	1.43	1.45	.059	.018
23...	18.7	19	23	5.76	--	.9	.36	<.04	--	--	.88	--	E.004
JUL													
02...	20.8	--	--	--	--	--	.79	E.03	--	--	.45	--	E.006
22...	23.9	21	26	6.71	--	5.9	.39	E.02	5.31	1.20	1.21	.030	.009
29...	25.5	--	--	--	--	--	.41	.04	--	--	1.54	--	E.006
AUG													
12...	24.6	--	--	9.75	--	8.1	.48	.06	7.06	1.59	1.61	.059	.018
25...	25.1	27	33	--	--	--	.25	<.04	7.22	1.63	1.65	.062	.019
SEP													
08...	22.9	28	34	10.4	--	8.2	.27	<.04	--	--	1.84	--	<.008

Date	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Clostridium perfringens, mCP MF, col/ 100 mL (90915)	Coliphage, E coli, FAMP, MF, plaques /100 mL (90904)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Iron, water, fltrd, ug/L (01046)
OCT													
08...	--	.02	.31	.150	2.0	3.0	<.1	3.0	4.0	--	--	--	--
NOV													
04...	--	E.01	.05	.060	2.4	.4	<.1	.4	3.2	--	--	--	--
DEC													
02...	--	E.01	.03	.034	2.4	<.1	<.1	<.1	2.1	--	--	--	--
JAN													
13...	--	<.02	<.02	.005	--	<.1	<.1	<.1	.7	--	--	--	--
FEB													
10...	.30	<.02	.11	.054	1.4	.8	<.1	.8	2.2	--	--	--	--
MAR													
18...	--	E.01	E.29	E.136	--	E3.3	<.1	E3.2	E2.4	190	50	730	125
31...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
14...	--	<.02	.08	.053	1.5	.7	<.1	.7	2.3	--	--	--	--
28...	--	<.02	--	.092	1.3	--	--	--	--	--	--	--	--
MAY													
19...	--	<.02	.50	.22	1.9	5.5	<.1	5.4	3.6	--	--	--	--
JUN													
02...	--	--r	--	.047	1.8	--	--	--	--	--	--	--	--
23...	--	<.02	.14	.084	1.2	1.7	<.1	1.7	2.0	--	--	--	--
JUL													
02...	--	E.01	--	.23	1.2	--	--	--	--	--	--	--	--
22...	--	E.01	.13	.102	1.6	1.3	<.1	1.3	2.1	--	--	--	--
29...	.37	<.02	--	.071	1.9	--	--	--	--	--	--	--	--
AUG													
12...	.43	<.18d	.15	.100	2.1	1.5	<.1	1.4	2.5	--	--	--	--
25...	--	<.02	--	.047	1.9	--	--	--	--	--	--	--	--
SEP													
08...	--	E.01n	.04	.041	2.1	.3	<.1	.3	2.1	--	--	--	--

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA---continued.

Date	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)
OCT													
08...	<.006	E.003	<.006	<.004	<.005	.014	<.050	<.010	<.020	<.006	<.003	.054	<.005
NOV													
04...	<.006	<.006	<.006	<.004	<.005	.009	<.050	<.010	<.020	<.006	<.003	.016	<.005
DEC													
02...	<.006	<.006	<.006	<.004	<.005	.009	<.050	<.010	<.020	<.006	<.003	E.006	<.005
JAN													
13...	<.006	E.004	<.006	<.004	<.005	.021	<.050	<.010	<.020	<.006	<.003	<.010	<.005
FEB													
10...	<.006	E.005	<.006	<.004	<.005	.167	<.050	<.010	<.020	<.006	<.003	E.003n	<.005
MAR													
18...	<.006	E.006	<.006	<.004	<.005	E.055	<.050	<.010	<.020	<.006	<.003	E.018	<.005
31...	<.006	E.005	<.006	<.004	<.005	.022	<.050	<.010	<.020	<.006	<.003	.009	<.005
APR													
14...	<.006	E.006	<.006	<.004	<.005	.026	<.050	<.010	<.020	<.006	<.003	.009	<.005
28...	<.006	E.006	<.006	<.004	<.005	.035	<.050	<.010	<.020	<.006	<.003	.027	<.005
MAY													
19...	<.006	<.006	<.006	<.004	<.005	.032	<.050	<.010	<.020	<.006	<.003	.043	<.005
JUN													
02...	<.006	E.004	<.006	<.004	<.005	.008	<.050	<.010	<.020	<.006	<.003	E.003n	<.005
23...	<.006	<.006	<.006	<.004	<.005	.010	<.050	<.010	<.020	<.006	<.003	.008	<.005
JUL													
02...	<.006	<.006	<.006	<.004	<.005	.022	<.050	<.010	<.020	<.006	<.003	.051	<.005
22...	<.006	<.006	<.006	<.004	<.005	.013	<.050	<.010	<.020	<.006	<.003	.007	<.005
29...	<.006	<.006	<.006	<.004	<.005	.012	<.050	<.010	<.020	<.006	<.003	.009	<.005
AUG													
12...	<.006	<.006	<.006	<.004	<.005	.009	<.050	<.010	<.020	<.006	<.003	.010	<.005
25...	<.006	E.004n	<.006	<.004	<.005	.008	<.050	<.010	<.020	<.006	<.003	<.005	<.005
SEP													
08...	<.006	<.006	<.006	<.004	<.005	.008	<.050	<.010	<.020	<.006	<.003	<.005	<.005

Date	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinylfipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)
OCT													
08...	<.02	<.002	<.009	<.005	<.009	<.005	<.005	E.010	<.003	<.004	<.035	E.013n	<.006
NOV													
04...	<.02	<.002	<.009	<.005	<.009	<.005	<.005	E.011	<.003	<.004	<.035	<.027	<.006
DEC													
02...	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027	<.006
JAN													
13...	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.010	<.003	<.004	<.035	<.027	<.006
FEB													
10...	<.02	<.002	<.009	<.005	<.009	<.005	<.005	E.007	<.003	<.004	<.035	<.027	<.006
MAR													
18...	<.02	<.004	<.009	<.005	<.009	<.005	<.005	E.008	<.003	<.004	<.035	<.027	<.006
31...	<.02	.003	<.009	<.005	<.009	<.005	<.005	E.004	<.003	<.004	<.035	<.027	<.006
APR													
14...	<.02	<.002	<.009	<.005	<.009	<.005	<.005	E.007	<.003	<.004	<.035	<.027	<.006
28...	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027	<.006
MAY													
19...	<.02	<.002	<.009	<.005	<.009	<.005	<.005	E.010	<.003	<.004	<.035	<.027	<.006
JUN													
02...	<.02	<.002	<.009	<.005	<.009	<.005	<.005	E.003	<.003	<.004	<.035	<.027	<.006
23...	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027	<.006
JUL													
02...	<.02	<.002	<.009	<.005	<.009	<.005	<.005	E.018	<.003	<.004	<.035	E.006n	<.006
22...	<.02	<.002	<.009	<.005	<.009	<.005	<.005	E.006	<.003	<.004	<.035	<.027	<.006
29...	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027	<.006
AUG													
12...	<.02	<.002	<.009	<.005	<.009	<.005	<.005	E.010	<.003	<.004	<.035	E.005t	<.006
25...	<.02	<.002	<.009	<.005	<.009	<.005	<.005	E.008	<.003	<.004	<.035	<.027	<.006
SEP													
08...	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027	<.006

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA---continued.

Date	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)
OCT													
08...	E.013n	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	E.01n	<.004	<.010	<.011
NOV													
04...	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	.02	<.004	<.010	<.011
DEC													
02...	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	E.01n	<.004	<.010	<.011
JAN													
13...	E.006n	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	E.01n	<.004	<.010	<.011
FEB													
10...	<.013	E.004n	<.002	<.007	<.003	<.010	<.004	E.011n	<.011	.06	E.005	<.010	<.011
MAR													
18...	<.013	E.005*n	<.002	<.007	<.003	<.010	<.004	E.025	<.011	E.01*n	E.004	<.010	<.011
31...	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	Mn	<.004	<.010	<.011
APR													
14...	E.003n	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	E.01n	<.004	<.010	<.011
28...	E.002n	<.006	<.002	<.007	<.003	<.010	<.004	E.018n	<.011	E.01n	<.015	<.010	<.011
MAY													
19...	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	E.01n	<.004	<.010	<.011
JUN													
02...	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	Mn	<.004	<.010	<.011
23...	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	E.01n	<.004	<.010	<.011
JUL													
02...	E.003n	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	.02	<.004	<.010	<.011
22...	E.005t	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	E.01n	<.004	<.010	<.011
29...	E.001t	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	E.01n	<.004	<.010	<.011
AUG													
12...	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	E.01n	<.004	<.010	<.011
25...	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	E.01t	<.004	<.010	<.011
SEP													
08...	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011

Date	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment load, tons/d (80155)	Sample purpose code (71999)	Sampler type, code (84164)
OCT													
08...	<.02	.491	E.01n	<.034	<.02	<.005	<.002	<.009	95	79	480	15.00	3045
NOV													
04...	<.02	.282	E.01n	<.034	<.02	<.005	<.002	<.009	94	18	109	15.00	3070
DEC													
02...	<.02	.178	E.02n	<.034	<.02	<.005	<.002	<.009	80	5	27	15.00	3070
JAN													
13...	<.02	.205	.02	<.034	<.02	<.005	<.002	<.009	89	9	53	15.00	3045
FEB													
10...	<.02	.386	E.01n	<.034	<.02	<.005	<.002	<.009	85	20	177	15.00	3045
MAR													
18...	<.02	E.186	E.04	<.034	<.02	<.005	<.002	<.009	56	165	3860	15.00	3070
31...	<.02	.073	.02	<.034	<.02	<.005	<.002	<.009	92	16	138	15.00	3045
APR													
14...	<.02	.120	E.03	<.034	<.02	<.005	<.002	<.009	94	17	159	15.00	3045
28...	<.02	.127	E.02	<.034	<.02	<.005	<.002	<.009	82	61	810	15.00	3045
MAY													
19...	<.02	.063	<.02	<.034	<.02	<.005	<.002	<.009	53	283	12400	15.00	3051
JUN													
02...	<.02	.033	E.01n	<.034	<.02	<.005	<.002	<.009	95	20	145	15.00	3045
23...	<.02	.027	E.01n	<.034	<.02	<.005	<.002	<.009	67	81	1760	15.00	3045
JUL													
02...	<.02	.020	E.01n	<.034	<.02	<.005	<.002	<.009	51	324	21100	15.00	3051
22...	<.02	.021	E.01n	<.034	<.02	<.005	<.002	<.009	92	43	464	15.00	3045
29...	<.02	.021	<.02	<.034	<.02	<.005	<.002	<.009	76	39	438	15.00	3045
AUG													
12...	<.02	.015	E.01n	<.034	<.02	<.005	<.002	<.009	86	75	921	15.00	3045
25...	<.02	.016	E.01n	<.034	<.02	<.005	<.002	<.009	95	15	96	15.00	3045
SEP													
08...	<.02	.035	E.01n	<.034	<.02	<.005	<.002	<.009	94	7	39	15.00	3045

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA---continued.

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this report:
   * -- Sample was warm when received
   d -- Diluted sample: method hi range exceeded
   n -- Below the NDV
   t -- Below the long-term MDL

Null value qualifier codes used in this report:
   r -- Sample ruined in preparation

02338280 WHOOPING CREEK AT GA 5, NEAR WHITESBURG, GA

LOCATION.—Lat 33°27'40", long 84°59'49" referenced to North American Datum (NAD) of 1927, Carroll County, Hydrologic Unit 03130002, at bridge crossing on GA 5, and 2.9 miles above mouth.

DRAINAGE AREA.—26.4 square miles.

COOPERATION.—U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---March 2003 to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
MAR													
13...	1400	9	80020	3.10	49	10	4.9	741	9.0	95	7.0	27	17.0
SEP													
17...	1130	9	80020	2.79	18	10	5.9	752	9.4	102	7.0	28	18.8

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)
MAR													
13...	2.49	2.0	E.10	<.04	.19	<.008	<.02	.03	.013	--	.1	<.1	.1
SEP													
17...	3.04	.9	.11	<.04	.15	<.008	<.02	<.02	.011	.26	.2	<.1	.2

Date	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)
MAR													
13...	1.3	12k	<.09	<.006	<.1	<.005	E.003	<.004	<.004	<.006	<.006	<.004	.025
SEP													
17...	1.6	83	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	E.005n

APALACHICOLA RIVER BASIN
2003 Water Year

02338280 WHOOPING CREEK AT GA 5, NEAR WHITESBURG, GA

Date	Azinphos-methyl oxon, water, fltrd, ug/L (61635)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)
MAR													
13...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.04	<.005
SEP													
17...	--u	<.050	<.010	E.006t	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005

Date	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)
MAR													
13...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
SEP													
17...	<.08	<.005	<.006	<.03	<.004	<.031	--u	<.03	<.009	<.005	<.005	<.007	<.002

Date	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methidathion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)
MAR													
13...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
SEP													
17...	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)
MAR													
13...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	.021	<.02	<.07	<.02	<.01
SEP													
17...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005	E.01t	<.07	<.02	<.01

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
MAR						
13...	<.009	<.01	91	5	15.00	3045
SEP						
17...	<.009	<.01	92	3	15.00	3045

APALACHICOLA RIVER BASIN
2003 Water Year

02338280 WHOOPING CREEK AT GA 5, NEAR WHITESBURG, GA

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
MAY								
02...	1000	D	6.3	E130	E139.0	2.0	2.0	280
02...	1005	D	.3	E10	E10.70	.2	.5	280

Remark codes used in this report:
   < -- Less than
   E -- Estimated value

Value qualifier codes used in this report:
   k -- Counts outside acceptable range
   n -- Below the NDV
   t -- Below the long-term MDL

Null value qualifier codes used in this report:
   u -- Unable to determine-matrix interference

APALACHICOLA RIVER BASIN
2003 Water Year

02338375 CENTRALHATCHEE CREEK AT ARMSTRONG MILL ROAD, NEAR CENTRALHATCHEE, GA

LOCATION.—Lat 33°21'37", long 85°07'17" referenced to North American Datum (NAD) of 1983, Heard County, Hydrologic Unit 03130002, at bridge crossing on Armstrong Mill Road, and 7.8 miles above mouth.

DRAINAGE AREA.—34.4 square miles.

COOPERATION.—U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---March 2003 to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
MAR													
13...	0915	9	80020	4.94	58	10	3.8	741	9.6	95	6.9	28	13.5
SEP													
17...	0830	9	80020	4.63	26	10	7.1	749	8.9	98	7.1	26	19.3

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)
MAR													
13...	2.73	1.8	E.09	<.04	.24	<.008	<.02	.02	.018	--	<.1	<.1	<.1
SEP													
17...	2.63	.8	.12	<.04	.19	<.008	<.02	.15	.015	.31	1.0	<.1	1.0

Date	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)
MAR													
13...	1.2	69	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007
SEP													
17...	1.3	58	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007

02338375 CENTRALHATCHEE CREEK AT ARMSTRONG MILL ROAD, NEAR CENTRALHATCHEE, GA---continued.

Date	Azinphos-methyl oxon, water, fltrd, ug/L (61635)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)
MAR													
13...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.04	<.005
SEP													
17...	--u	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005

Date	Dichlorvos, water, fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)
MAR													
13...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
SEP													
17...	<.08	<.005	<.006	<.03	<.004	<.031	--u	<.03	<.009	<.005	<.005	<.007	<.002

Date	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methidathion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)
MAR													
13...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
SEP													
17...	<.003	.022	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)
MAR													
13...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005	<.02	<.07	<.02	<.01
SEP													
17...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005	E.01n	<.07	<.02	<.01

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
MAR						
13...	<.009	<.01	93	5	15.00	3045
SEP						
17...	<.009	<.01	75	4	15.00	3045

02338375 CENTRALHATCHEE CREEK AT ARMSTRONG MILL ROAD, NEAR CENTRALHATCHEE, GA---continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
MAY								
01...	1600	D	1.0	22	23.50	1.9	2.6	280
01...	1605	D	.5	E13	E13.50	.9	1.4	280

Remark codes used in this report:
< -- Less than
E -- Estimated value

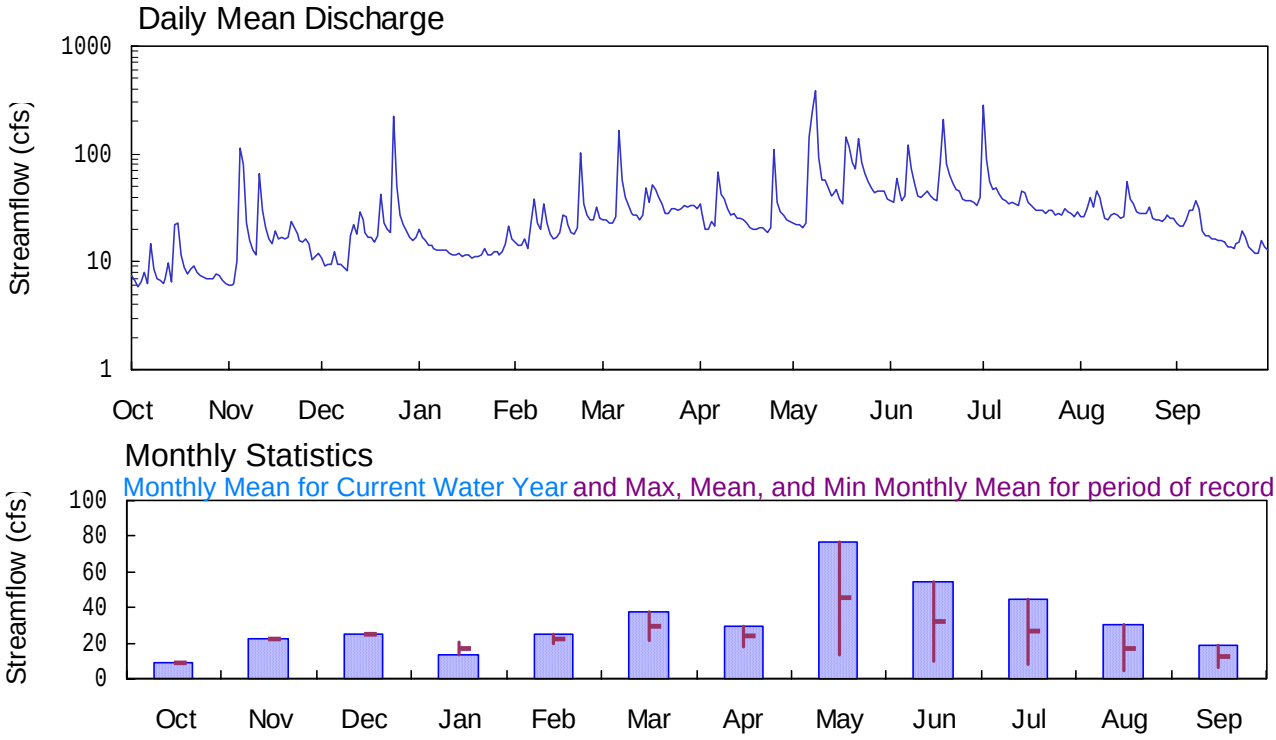
Value qualifier codes used in this report:
n -- Below the NDV

Null value qualifier codes used in this report:
u -- Unable to determine-matrix interference

2003 Water Year

02338523 HILLABAHATCHEE CREEK AT THAXTON RD, NR FRANKLIN,GA

Latitude: 33°20'26" Longitude: 085°13'37" Hydrologic Unit Code: 03130002 Heard County
Drainage Area: 16.8 mi^2 Datum: 910.0 feet



APALACHICOLA RIVER BASIN
2003 Water Year

02338523 HILLABAHATCHEE CREEK AT THAXTON ROAD, NEAR FRANKLIN, GA

LOCATION.—Lat 33°20'26", long 85°13'37" referenced to North American Datum (NAD) of 1927, Heard County, Hydrologic Unit 03130002, on right bank, downstream side of bridge, 0.4 miles downstream of confluence of Red Oak Creek, 9.0 miles northwest of Franklin, 1.4 miles southwest of GA 100 on Thaxton Road.

DRAINAGE AREA.—16.8 square miles.

COOPERATION.—USGS National Water-Quality Assessment Program.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—December 13, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 910.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records poor.

WATER-STAGE RECORDS

PERIOD OF RECORD.—December 13, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 910.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records poor.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.44 feet, May 7; minimum gage-height recorded, 1.88 feet, October 3, 4.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 28, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338523 HILLABAHATCHEE CREEK AT THAXTON RD, NR FRANKLIN,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 149
LATITUDE 332026 LONGITUDE 0851337 NAD27 DRAINAGE AREA 16.8 CONTRIBUTING DRAINAGE AREA 16.8* DATUM 910.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	6.1	11	20	15	24	35	23	37	284	26	23
2	6.6	6.0	9.2	17	14	25	28	22	36	90	26	22
3	5.8	6.3	9.4	16	14	23	20	22	59	56	31	21
4	6.4	10	9.4	14	16	23	20	21	42	46	39	24
5	8.0	114	12	14	13	26	24	23	36	49	32	30
6	6.3	82	9.4	13	23	166	21	145	41	43	45	30
7	15	23	9.5	13	38	57	67	e250	121	39	39	37
8	8.5	16	8.9	13	23	40	42	e390	73	36	33	31
9	7.1	13	8.3	13	20	33	38	93	53	34	25	19
10	6.6	11	17	13	34	28	31	58	41	36	24	18
11	6.3	66	22	12	23	27	27	57	39	34	27	17
12	6.9	30	18	12	18	27	29	49	42	33	28	16
13	9.6	20	29	12	16	25	26	41	46	46	27	16
14	6.5	16	24	12	17	27	25	42	41	44	25	16
15	22	15	19	11	18	49	25	47	39	36	27	16
16	23	19	17	12	27	36	23	38	37	33	55	15
17	11	16	17	11	26	52	21	34	81	31	38	14
18	8.8	17	15	11	22	47	20	145	e210	30	34	14
19	7.7	16	17	11	19	39	20	119	82	30	29	13
20	8.7	17	42	11	18	34	20	82	64	30	28	15
21	9.2	24	23	12	21	28	21	73	53	28	28	15
22	7.9	21	20	13	103	28	20	138	46	30	28	19
23	7.5	18	18	12	35	31	19	85	46	30	32	17
24	7.2	16	e220	11	27	31	20	67	38	28	26	14
25	7.0	15	51	12	25	30	111	55	37	28	24	13
26	7.0	17	28	12	24	31	36	48	37	27	24	12
27	6.9	15	22	12	32	34	29	44	37	31	24	12
28	7.7	11	20	12	26	32	27	45	35	29	25	16
29	7.5	11	17	14	---	34	24	45	33	28	28	14
30	6.7	12	16	21	---	33	24	46	39	26	25	13
31	6.3	---	17	17	---	31	---	38	---	29	26	---
TOTAL	269.0	679.4	776.1	409	707	1151	893	2385	1621	1374	928	552
MEAN	8.68	22.6	25.0	13.2	25.2	37.1	29.8	76.9	54.0	44.3	29.9	18.4
MAX	23	114	220	21	103	166	111	390	210	284	55	37
MIN	5.8	6.0	8.3	11	13	23	19	21	33	26	24	12
MED	7.3	16	17	12	22	31	24	48	41	33	28	16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	8.68	22.6	25.0	16.7	22.7	29.4	24.0	45.3	31.8	26.3	17.3	12.5
MAX	8.68	22.6	25.0	20.3	25.2	37.1	29.8	76.9	54.0	44.3	29.9	18.4
(WY)	2003	2003	2003	2002	2003	2003	2003	2003	2003	2003	2003	2003
MIN	8.68	22.6	25.0	13.2	20.1	21.7	18.2	13.7	9.49	8.37	4.60	6.62
(WY)	2003	2003	2003	2003	2002	2002	2002	2002	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	5446.4		11744.5			
ANNUAL MEAN	14.9		32.2		32.2	
HIGHEST ANNUAL MEAN					32.2	2003
LOWEST ANNUAL MEAN					32.2	2003
HIGHEST DAILY MEAN	220	Dec 24	390	May 8	390	May 8 2003
LOWEST DAILY MEAN	1.6	Sep 12	5.8	Oct 3	1.6	Sep 12 2002
ANNUAL SEVEN-DAY MINIMUM	2.0	Sep 6	6.7	Oct 28	2.0	Sep 6 2002
MAXIMUM PEAK STAGE			14.44	May 7	14.44	May 7 2003
10 PERCENT EXCEEDS	24		52		52	
50 PERCENT EXCEEDS	11		24		24	
90 PERCENT EXCEEDS	4.7		9.6		9.6	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338523 HILLABAHATCHEE CREEK AT THAXTON RD, NR FRANKLIN,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 149
LATITUDE 332026 LONGITUDE 0851337 NAD27 DRAINAGE AREA 16.8 CONTRIBUTING DRAINAGE AREA 16.8* DATUM 910.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.96	1.92	2.05	2.30	2.21	2.37	2.51	2.35	2.42	3.64	2.28	2.23
2	1.94	1.92	2.01	2.24	2.20	2.38	2.42	2.34	2.40	2.85	2.28	2.21
3	1.91	1.93	2.02	2.22	2.19	2.36	2.31	2.34	2.63	2.60	2.33	2.20
4	1.93	2.04	2.02	2.20	2.23	2.35	2.30	2.31	2.47	2.51	2.43	2.25
5	1.97	2.69	2.09	2.19	2.18	2.38	2.36	2.35	2.41	2.54	2.36	2.34
6	1.93	2.79	2.02	2.18	2.31	3.28	2.32	3.06	2.46	2.48	2.48	2.33
7	2.13	2.28	2.02	2.16	2.54	2.73	2.77	5.33	2.96	2.44	2.44	2.42
8	1.99	2.16	2.00	2.16	2.35	2.57	2.59	5.01	2.74	2.41	2.37	2.34
9	1.95	2.11	1.99	2.16	2.30	2.49	2.55	2.99	2.58	2.39	2.27	2.16
10	1.94	2.07	2.15	2.17	2.50	2.43	2.46	2.74	2.46	2.40	2.25	2.14
11	1.93	2.66	2.27	2.15	2.35	2.42	2.42	2.73	2.44	2.39	2.29	2.13
12	1.95	2.39	2.21	2.14	2.27	2.41	2.43	2.66	2.47	2.37	2.30	2.12
13	2.02	2.25	2.37	2.14	2.23	2.38	2.39	2.58	2.51	2.48	2.29	2.12
14	1.94	2.17	2.31	2.14	2.24	2.41	2.38	2.59	2.47	2.49	2.26	2.11
15	2.24	2.14	2.22	2.13	2.28	2.65	2.38	2.64	2.44	2.41	2.28	2.11
16	2.28	2.22	2.18	2.13	2.41	2.52	2.35	2.55	2.42	2.37	2.52	2.10
17	2.07	2.17	2.19	2.13	2.40	2.68	2.32	2.51	2.77	2.34	2.42	2.06
18	2.00	2.18	2.15	2.12	2.34	2.64	2.30	3.16	3.92	2.33	2.38	2.07
19	1.97	2.17	2.17	2.13	2.28	2.56	2.30	3.04	2.81	2.33	2.33	2.05
20	2.00	2.18	2.52	2.13	2.27	2.51	2.31	2.81	2.67	2.33	2.31	2.08
21	2.01	2.30	2.29	2.14	2.32	2.43	2.31	2.74	2.57	2.31	2.31	2.10
22	1.97	2.26	2.24	2.17	2.93	2.42	2.29	3.13	2.51	2.34	2.30	2.17
23	1.96	2.20	2.21	2.14	2.51	2.47	2.28	2.83	2.51	2.33	2.35	2.13
24	1.96	2.17	3.96	2.13	2.41	2.47	2.31	2.70	2.43	2.30	2.27	2.06
25	1.95	2.15	2.67	2.15	2.38	2.46	2.99	2.60	2.41	2.31	2.25	2.04
26	1.95	2.18	2.42	2.15	2.37	2.47	2.53	2.53	2.42	2.30	2.25	2.02
27	1.95	2.14	2.34	2.14	2.48	2.50	2.44	2.49	2.42	2.34	2.24	2.03
28	1.97	2.05	2.29	2.15	2.39	2.48	2.41	2.50	2.40	2.32	2.26	2.10
29	1.96	2.07	2.25	2.19	---	2.50	2.37	2.50	2.37	2.30	2.30	2.06
30	1.94	2.08	2.23	2.32	---	2.49	2.37	2.51	2.44	2.28	2.27	2.04
31	1.93	---	2.24	2.24	---	2.47	---	2.43	---	2.31	2.27	---
MEAN	1.99	2.20	2.26	2.17	2.35	2.51	2.42	2.81	2.56	2.44	2.32	2.14
MAX	2.28	2.79	3.96	2.32	2.93	3.28	2.99	5.33	3.92	3.64	2.52	2.42
MIN	1.91	1.92	1.99	2.12	2.18	2.35	2.28	2.31	2.37	2.28	2.24	2.02

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338523 HILLABAHATCHEE CREEK AT THAXTON RD, NR FRANKLIN,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 149
LATITUDE 332026 LONGITUDE 0851337 NAD27 DRAINAGE AREA 16.8 CONTRIBUTING DRAINAGE AREA 16.8* DATUM 910.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.16	0.00	3.13	0.00	0.00
2	0.00	0.00	0.00	0.13	0.00	0.01	0.00	0.18	0.21	0.00	0.00	0.00
3	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.19	0.74	0.00	0.72	0.00
4	0.19	0.21	0.10	0.00	0.28	0.06	0.01	0.00	0.02	0.00	0.03	0.14
5	0.01	2.05	0.39	0.00	0.00	0.83	0.56	0.42	0.00	0.15	0.20	0.00
6	0.00	0.01	0.00	0.00	1.17	1.22	0.05	2.86	0.65	0.00	0.56	0.00
7	0.76	0.00	0.00	0.00	0.02	0.07	1.41	2.90	1.86	0.01	0.65	0.22
8	0.00	0.00	0.00	0.00	0.00	0.00	0.11	1.20	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.18	0.00	0.48	0.00	0.00	0.00	0.00	0.00
10	0.03	0.10	1.14	0.06	0.67	0.00	0.05	0.00	0.00	0.40	0.00	0.00
11	0.01	1.40	0.01	0.00	0.00	0.00	0.00	0.41	0.21	0.03	0.92	0.00
12	0.39	0.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00
13	0.00	0.00	0.86	0.00	0.00	0.02	0.00	0.00	0.43	0.94	0.00	0.00
14	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.25	0.40	0.15	0.00	0.31
15	1.88	0.19	0.00	0.00	0.00	1.04	0.00	0.42	0.16	0.06	0.11	0.01
16	0.08	0.41	0.00	0.14	0.97	0.01	0.00	0.01	0.00	0.00	0.81	0.00
17	0.00	0.00	0.00	0.00	0.01	0.73	0.03	0.01	0.63	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.14	0.00	1.24	2.32	0.00	0.00	0.00
19	0.00	0.01	1.00	0.00	0.00	0.32	0.00	0.37	0.00	0.00	0.00	0.00
20	0.42	0.56	0.04	0.00	0.00	0.02	0.01	0.03	0.00	0.00	0.08	0.00
21	0.01	0.12	0.00	0.00	0.19	0.00	0.13	0.77	0.00	0.02	0.01	0.13
22	0.00	0.00	0.02	0.31	0.89	0.00	0.00	0.37	0.00	0.35	0.00	0.36
23	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
24	0.00	0.00	2.88	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00	0.00
25	0.03	0.00	0.00	0.00	0.00	0.00	1.62	0.00	0.00	0.00	0.00	0.00
26	0.03	0.00	0.00	0.00	0.42	0.29	0.00	0.00	0.00	0.00	0.00	0.00
27	0.06	0.00	0.00	0.00	0.29	0.01	0.00	0.00	0.06	0.20	0.00	0.30
28	0.20	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.01
29	0.02	0.00	0.00	0.84	---	0.13	0.00	0.00	0.01	0.00	0.00	0.00
30	0.00	0.00	0.00	0.08	---	0.25	0.02	0.00	0.95	0.00	0.28	0.00
31	0.00	---	0.50	0.00	---	0.00	---	0.00	---	0.68	0.00	---
TOTAL	4.16	5.63	7.01	1.57	5.11	5.15	5.20	11.79	8.67	6.15	4.90	1.48

APALACHICOLA RIVER BASIN
2003 Water Year

02338523 HILLABAHATCHEE CREEK AT THAXTON ROAD, NEAR FRANKLIN, GA

LOCATION.--Lat 33°20'26", long 85°13'37", referenced to North American Datum (NAD) of 1927, Heard County, Hydrologic Unit 03130002, on right bank, downstream side of bridge, 0.4 miles downstream of confluence of Red Oak Creek, 9.0 miles northwest of Franklin, 1.4 miles southwest of GA 100 on Thaxton Road.

DRAINAGE AREA.—16.8 square miles.

REMARKS.—Datum of gage is 910.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---May 2001, to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)
OCT													
09...	1900	1028	80020	1.94	6.7	40	3.5	745	8.4	93	7.2	30	--
NOV													
07...	1800	1028	80020	2.26	21	10	3.2	747	9.8	94	6.9	33	--
DEC													
03...	1530	1028	80020	2.02	9.5	10	2.2	747	10.9	93	6.8	26	13.0
JAN													
15...	1530	1028	80020	2.12	11	40	3.8	751	12.1	99	6.9	21	--
FEB													
11...	1530	1028	80020	2.36	24	10	6.5	745	10.3	90	6.7	26	--
MAR													
19...	1500	1028	80020	2.53	36	10	4.9	737	9.5	98	6.7	24	--
APR													
02...	1530	1028	80020	2.33	22	10	2.0	748	9.3	99	6.9	23	24.0
16...	1500	1028	80020	2.33	22	10	2.7	743	9.2	99	6.8	24	20.5
MAY													
14...	1515	1028	80020	2.73	57	10	5.1	744	9.7	100	6.3	23	--
JUN													
17...	1445	1028	80020	2.68	65	10	50	743	8.2	94	6.5	24	--
JUL													
15...	1515	1028	80020	2.41	36	10	18	746	8.4	98	6.5	26	--
AUG													
13...	1600	1028	80020	2.28	26	10	3.8	748	7.0	83	6.5	25	--
SEP													
09...	1515	1028	80020	2.15	14	40	2.2	745	8.7	99	6.6	25	23.0

02338523 HILLABAHATCHEE CREEK AT THAXTON ROAD, NEAR FRANKLIN, GA---continued.

Date	Temperature, water, deg C (00010)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)
OCT													
09...	19.2	10	1.82	1.2	.19	<.04	--	--	E.05	--	<.008	<.02	.05
NOV													
07...	12.5	10	1.93	1.8	.12	<.04	--	--	.24	--	<.008	<.02	.03
DEC													
03...	8.0	9	1.96	1.0	E.05	<.04	--	--	.08	--	<.008	<.02	<.02
JAN													
15...	6.2	8	11.0	9.6	.36	E.04	8.02	1.81	1.83	.062	.019	E.02	.12
FEB													
11...	8.5	7	1.12	1.5	E.05	<.04	--	--	.16	--	<.008	<.02	.02
MAR													
19...	15.3	7	1.73	1.5	.10	<.04	--	--	.13	--	<.008	<.02	.02
APR													
02...	17.4	--	1.71	1.1	.48	<.04	--	--	.07	--	<.008	<.02	.04
16...	17.9	6	1.76	1.0	E.06	<.04	--	--	.08	--	<.008	<.02	<.02
MAY													
14...	15.5	5	1.59	1.3	E.09	<.04	--	--	.12	--	<.008	<.02	.03
JUN													
17...	21.0	7	1.68	1.2	.34	<.04	--	--	.16	--	<.008	<.02	.16
JUL													
15...	22.0	8	1.78	1.0	.12	<.04	--	--	.13	--	<.008	<.02	.04
AUG													
13...	22.8	8	1.80	.9	E.09n	<.04	--	--	.10	--	<.008	<.18d	.03
SEP													
09...	20.6	9	1.82	.8	.11	<.04	--	--	.07	--	<.008	<.02	.03

Date	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)
OCT													
09...	.012	--	.4	<.1	.4	1.7	--	--	--	--	--	--	--
NOV													
07...	.015	.36	.3	<.1	.3	2.1	290	<.09	<.006	<.1	<.005	<.006	<.004
DEC													
03...	.006	--	<.1	<.1	<.1	.9	--	--	--	--	--	--	--
JAN													
15...	.081	2.2	.6	<.1	.6	2.1	1k	<.09	<.006	<.1	<.005	<.006	<.004
FEB													
11...	.015	--	<.1	<.1	<.1	1.0	--	--	--	--	--	--	--
MAR													
19...	.015	.23	.3	<.1	.3	1.1	--	--	--	--	--	--	--
APR													
02...	.006	.55	<.1	<.1	<.1	1.1	13k	<.09	<.006	<.1	<.005	<.006	<.004
16...	.015	--	<.1	<.1	<.1	1.0	--	--	--	--	--	--	--
MAY													
14...	.014	--	.2	<.1	.2	1.4	13k	<.09	<.006	<.1	<.005	<.006	<.004
JUN													
17...	.059	.50	1.3	<.1	1.3	2.5	--	--	--	--	--	--	--
JUL													
15...	.029	.25	.5	<.1	.5	1.6	--	<.09	<.006	<.1	<.005	<.006	<.004
AUG													
13...	.015	--	.2	<.1c	E.2c	1.3	--	--	--	--	--	--	--
SEP													
09...	.007	.18	.1	<.1	.1	.9	--	<.09	<.006	<.1	<.005	<.006	<.004

02338523 HILLABAHATCHEE CREEK AT THAXTON ROAD, NEAR FRANKLIN, GA---continued.

Date	3,4-Dichloroaniline water fltrd, ug/L (61625)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)	Azinphos-methyl oxon, water, fltrd, ug/L (61635)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)
OCT													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
07...	<.004	<.006	<.004	<.007	<.02	<.050	<.010	<.06	<.006	<.008	<.009	<.003	<.005
DEC													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
15...	<.004	<.006	<.004	<.007	<.02	<.050	<.010	<.06	<.006	<.008	<.009	<.003	<.005
FEB													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
02...	<.004	<.006	<.004	<.007	<.02	<.050	<.010	<.06	<.006	<.008	<.009	<.003	<.005
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
14...	<.004	<.006	<.004	<.007	<.02	<.050	<.010	<.06	<.006	<.008	<.009	<.003	<.005
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	<.004	<.006	<.004	<.007	<.02	<.050	<.010	<.06	<.006	<.008	<.009	<.003	<.005
AUG													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
09...	<.004	<.006	<.004	<.007	<.02	<.050	<.010	<.06	<.006	<.008	<.009	<.003	<.005

Date	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)
OCT													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
07...	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002	<.003
DEC													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
15...	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002	<.003
FEB													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
02...	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002	<.003
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
14...	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002	<.003
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002	<.003
AUG													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
09...	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002	<.003

02338523 HILLABAHATCHEE CREEK AT THAXTON ROAD, NEAR FRANKLIN, GA---continued.

Date	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)
OCT													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
07...	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008	<.022
DEC													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
15...	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008	<.022
FEB													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
02...	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008	<.022
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
14...	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008	<.022
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008	<.022
AUG													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
09...	E.007	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008	<.022

Date	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)
OCT													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
07...	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005	<.02	<.07	<.02	<.01	<.009
DEC													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
15...	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005	<.02	<.07	<.02	<.01	<.009
FEB													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
02...	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005	<.02	<.07	<.02	<.01	<.009
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
14...	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005	<.02	<.07	<.02	<.01	<.009
JUN													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
15...	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005	<.02	<.07	<.02	<.01	<.009
AUG													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
09...	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005	<.02	<.07	<.02	<.01	<.009

02338523 HILLABAHATCHEE CREEK AT THAXTON ROAD, NEAR FRANKLIN, GA---continued.

Date	Di-chlor-vos, water fltrd, ug/L (38775)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment load, tons/d (80155)	Sample purpose code (71999)	Sampler type, code (84164)
OCT						
09...	--	93	4	.07	15.00	3070
NOV						
07...	<.01	81	7	.40	15.00	3045
DEC						
03...	--	81	3	.08	15.00	3045
JAN						
15...	<.01	89	2	.06	15.00	3070
FEB						
11...	--	88	3	.19	15.00	3044
MAR						
19...	--	71	3	.29	15.00	3045
APR						
02...	<.01	89	3	.18	15.00	3045
16...	--	83	3	.18	15.00	3045
MAY						
14...	<.01	74	9	1.4	15.00	3045
JUN						
17...	--	71	38	6.7	15.00	3045
JUL						
15...	<.01	91	11	1.1	15.00	3045
AUG						
13...	--	62	3	.21	15.00	3044
SEP						
09...	<.01	100	1	.04	15.00	3070

Date	Time	Medium code	Agency col-lecting sample, code (00027)	Agency ana-lyzing sample, code (00028)	Tur-bidity, water, unfltrd field, NTU (61028)	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)
MAY									
01...	1300	D	1028	80020	7.2	1.6	54	55.30	1.6
01...	1305	D	1028	80020	--	.3	11	11.30	.3

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
c -- See laboratory comment
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the NDV

APALACHICOLA RIVER BASIN
2003 Water Year

02338523 HILLABAHATCHEE CREEK AT THAXTON ROAD, NEAR FRANKLIN, GA
(National Water-Quality Assessment station)

LOCATION.—Lat 33°20'26", long 85°13'37" referenced to North American Datum (NAD) of 1927, Heard County, Hydrologic Unit 03130002,

DRAINAGE AREA.—16.8 square miles, approximately.

COOPERATION.—USGS National Water-Quality Assessment (NAWQA) Program; Atlanta Regional Commission.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.—May 1, 2003 (invertebrates) and July 31, 2003 (fishes).

REMARKS.— Data collection protocols used are from the Revised Protocols for Sampling Algal, Invertebrate, and Fish Communities as Part of the National Water-Quality Assessment Program (USGS, Open File Report 02-150, 2002). The Biological Group of the USGS National Water Quality Laboratory identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 200 meters. Fish abbreviations: TL-total length in millimeters, SL-standard length in millimeters. Weight is measured in grams.

Invertebrates

Sample Type	Order	Family	BU_ID	Lifestage	Abundance
QMH			Nematoda		1
QMH			Annelida		1
QMH			Megadrile		1
QMH	Tubificida	Naididae	Naididae		1
QMH	Decapoda	Cambaridae	Cambaridae		1
QMH	Ephemeroptera	Ephemerellidae	Ephemerella sp.	L	1
QMH	Ephemeroptera	Ephemerellidae	Ephemerella dorothea Needham	L	1
QMH	Ephemeroptera	Ephemerellidae	Eurylophella sp.	L	1
QMH	Ephemeroptera	Baetidae	Baetis sp.	L	1
QMH	Ephemeroptera	Baetidae	Baetis intercalaris McDunnough	L	1
QMH	Ephemeroptera	Baetidae	Plauditus sp.	L	1
QMH	Ephemeroptera	Baetidae	Pseudocloeon sp.	L	1
QMH	Ephemeroptera	Heptageniidae	Epeorus sp.	L	1
QMH	Ephemeroptera	Heptageniidae	Stenonema modestum (Banks)/smithae Traver	L	1
QMH	Ephemeroptera	Isonychiidae	Isonychia sp.	L	1
QMH	Odonata	Gomphidae	Stylurus sp.	L	1
QMH	Plecoptera	Perlidae	Eccoptura xanthenes (Newman)	L	1
QMH	Plecoptera	Perlidae	Perlesta sp.	L	1
QMH	Plecoptera	Perlodidae	Isoperla sp.	L	1
QMH	Hemiptera	Gerridae	Aquarius conformis (Uhler)	L	1
QMH	Megaloptera	Corydalidae	Nigronia serricornis (Say)	L	1
QMH	Trichoptera	Hydropsychidae	Ceratopsyche sp.	L	1
QMH	Trichoptera	Hydropsychidae	Cheumatopsyche sp.	L	1
QMH	Trichoptera	Polycentropodidae	Paranyctiophylax sp.	L	1
QMH	Trichoptera	Lepidostomatidae	Lepidostoma sp.	L	1
QMH	Coleoptera	Gyrinidae	Dineutus sp.	L	1
QMH	Coleoptera	Gyrinidae	Dineutus ciliatus (Forsberg)	A	1
QMH	Coleoptera	Gyrinidae	Gyrinus sp.	L	1
QMH	Coleoptera	Hydrophilidae	Sperchopsis tessellata (Ziegler)	L	1
QMH	Coleoptera	Dryopidae	Helichus basalis LeConte	A	1
QMH	Coleoptera	Elmidae	Dubiraphia sp.	L	1
QMH	Coleoptera	Elmidae	Macronychus glabratus Say	A	1
QMH	Coleoptera	Elmidae	Optioservus sp.	L	1
QMH	Coleoptera	Elmidae	Optioservus ovalis (LeConte)	A	1
QMH	Diptera	Ceratopogonidae	Ceratopogonidae	L	1
QMH	Diptera	Ceratopogonidae	Bezzia/Palpomyia sp.	L	1
QMH	Diptera	Chironomidae	Chironomidae	L	1

02338523 HILLABAHATCHEE CREEK AT THAXTON ROAD, NEAR FRANKLIN, GA —continued.

Sample Type	Order	Family	BU_ID	Lifestage	Abundance
QMH	Diptera	Chironomidae	Microtendipes sp.	L	1
QMH	Diptera	Chironomidae	Pagastiella sp.	L	1
QMH	Diptera	Chironomidae	Paralauterborniella nigrohalterale (Malloch)	L	1
QMH	Diptera	Chironomidae	Polypedilum sp.	L	1
QMH	Diptera	Chironomidae	Rheotanytarsus sp.	L	1
QMH	Diptera	Chironomidae	Potthastia sp.	L	1
QMH	Diptera	Chironomidae	Cricotopus/Orthocladius sp.	L	1
QMH	Diptera	Chironomidae	Brillia sp.	L	1
QMH	Diptera	Chironomidae	Cardiocladius sp.	L	1
QMH	Diptera	Chironomidae	Cricotopus sp.	L	1
QMH	Diptera	Chironomidae	Parametriocnemus sp.	L	1
QMH	Diptera	Chironomidae	Xylotopus par (Coquillett)	L	1
QMH	Diptera	Chironomidae	Natarsia sp.	L	1
QMH	Diptera	Chironomidae	Thienemannimyia group sp. (Coffman and Ferrington, 1996)	L	1
QMH	Diptera	Chironomidae	Ablabesmyia sp.	L	1
QMH	Diptera	Simuliidae	Simuliidae	L	1
QMH	Diptera	Simuliidae	Simuliidae	P	1
QMH	Diptera	Tipulidae	Tipula sp.	L	1
RTH			Nematoda		6
RTH			Annelida		1
RTH	Tubificida	Naididae	Naididae		12
RTH	Tubificida	Tubificidae	Tubificidae		6
RTH			Acari		24
RTH	Isopoda	Asellidae	Lirceus sp.		6
RTH	Ephemeroptera	Baetiscidae	Baetisca sp.	L	6
RTH	Ephemeroptera	Ephemerellidae	Ephemerella sp.	L	6
RTH	Ephemeroptera	Ephemerellidae	Ephemerella dorothea Needham	L	18
RTH	Ephemeroptera	Baetidae	Baetidae	L	132
RTH	Ephemeroptera	Baetidae	Baetidae	A	6
RTH	Ephemeroptera	Baetidae	Acentrella turbida (McDunnough)	L	60
RTH	Ephemeroptera	Baetidae	Baetis sp.	L	24
RTH	Ephemeroptera	Baetidae	Baetis flavistriga McDunnough	L	18
RTH	Ephemeroptera	Baetidae	Baetis intercalaris McDunnough	L	120
RTH	Ephemeroptera	Baetidae	Plauditus sp.	L	114
RTH	Ephemeroptera	Heptageniidae	Stenonema sp.	L	42
RTH	Ephemeroptera	Heptageniidae	Stenonema modestum (Banks)/smithae Traver	L	25
RTH	Ephemeroptera	Isonychiidae	Isonychia sp.	L	87
RTH	Odonata		Anisoptera	L	6
RTH	Odonata	Gomphidae	Gomphidae	L	13
RTH	Plecoptera	Leuctridae	Leuctra sp.	L	12
RTH	Plecoptera	Perlidae	Perlidae	L	24
RTH	Plecoptera	Perlidae	Acroneuria sp.	L	1
RTH	Plecoptera	Perlidae	Perlesta sp.	L	12
RTH	Plecoptera	Perlidae	Neoperla sp.	L	6
RTH	Megaloptera	Corydalidae	Nigronia serricornis (Say)	L	1
RTH	Megaloptera	Corydalidae	Corydalus cornutus (Linnaeus)	L	2
RTH	Trichoptera	Philopotamidae	Dolophilodes sp.	L	12
RTH	Trichoptera	Hydropsychidae	Hydropsychidae	A	6
RTH	Trichoptera	Hydropsychidae	Hydropsychidae	L	48
RTH	Trichoptera	Hydropsychidae	Ceratopsyche sp.	L	42
RTH	Trichoptera	Hydropsychidae	Cheumatopsyche sp.	L	24
RTH	Coleoptera	Elmidae	Elmidae	L	18
RTH	Coleoptera	Elmidae	Optioservus sp.	L	258
RTH	Coleoptera	Elmidae	Optioservus ovalis (LeConte)	L	6
RTH	Coleoptera	Elmidae	Oulimnius latiusculus (LeConte)	L	24
RTH	Coleoptera	Elmidae	Oulimnius latiusculus (LeConte)	A	48
RTH	Coleoptera	Elmidae	Promoresia sp.	L	6
RTH	Coleoptera	Elmidae	Stenelmis sp.	L	6
RTH	Coleoptera	Psephenidae	Ectopria sp.	L	6
RTH	Coleoptera	Psephenidae	Psephenus herricki (DeKay)	L	1
RTH	Coleoptera	Ptilodactylidae	Anchytarsus bicolor (Melsheimer)	L	7
RTH	Diptera	Chironomidae	Chironomidae	A	6
RTH	Diptera	Chironomidae	Chironomidae	P	42
RTH	Diptera	Chironomidae	Chironominae	P	24
RTH	Diptera	Chironomidae	Chironomus sp.	L	6
RTH	Diptera	Chironomidae	Polypedilum sp.	L	234
RTH	Diptera	Chironomidae	Pseudochironomus sp.	L	6
RTH	Diptera	Chironomidae	Rheotanytarsus sp.	L	30
RTH	Diptera	Chironomidae	Stempellinella sp.	L	6
RTH	Diptera	Chironomidae	Orthocladiinae	P	18
RTH	Diptera	Chironomidae	Orthocladiinae	L	6

02338523 HILLABAHATCHEE CREEK AT THAXTON ROAD, NEAR FRANKLIN, GA —continued.

Sample Type	Order	Family	BU_ID	Lifestage	Abundance
RTH	Diptera	Chironomidae	Cricotopus/Orthocladius sp.	L	6
RTH	Diptera	Chironomidae	Brillia sp.	L	6
RTH	Diptera	Chironomidae	Cardiocladius sp.	L	12
RTH	Diptera	Chironomidae	Thienemannimyia group sp. (Coffman and Ferrington, 1996)	L	12
RTH	Diptera	Simuliidae	Simuliidae	P	6
RTH	Diptera	Simuliidae	Simuliidae	A	6
RTH	Diptera	Simuliidae	Simuliidae	L	162
RTH	Diptera	Simuliidae	Simulium sp.	L	18
RTH	Diptera	Simuliidae	Simulium sp.	P	12
RTH	Diptera	Tipulidae	Tipula sp.	L	1
RTH	Diptera	Tipulidae	Antocha sp.	L	30
RTH	Diptera	Empididae	Hemerodromiinae	P	1
RTH	Veneroida	Sphaeriidae	Sphaeriidae		4
RTH	Tubificida	Naididae	Naididae		80
RTH	Tubificida	Tubificidae	Tubificidae		4
RTH			Acari		20
RTH	Ephemeroptera	Ephemerellidae	Ephemerellidae	L	8
RTH	Ephemeroptera	Ephemerellidae	Ephemerella sp.	L	5
RTH	Ephemeroptera	Ephemerellidae	Eurylophella sp.	L	56
RTH	Ephemeroptera	Ephemerellidae	Serratella deficiens (Morgan)	L	4
RTH	Ephemeroptera	Ephemerellidae	Timpanoga simplex (McDunnough)	L	36
RTH	Ephemeroptera	Baetidae	Baetidae	A	4
RTH	Ephemeroptera	Baetidae	Baetidae	L	44
RTH	Ephemeroptera	Baetidae	Centroptilum/Procloeon sp.	L	28
RTH	Ephemeroptera	Baetidae	Baetis sp.	L	8
RTH	Ephemeroptera	Baetidae	Baetis pluto McDunnough	L	1
RTH	Ephemeroptera	Baetidae	Plauditus sp.	L	8
RTH	Ephemeroptera	Baetidae	Pseudocloeon sp.	L	73
RTH	Ephemeroptera	Heptageniidae	Heptageniidae	L	4
RTH	Ephemeroptera	Heptageniidae	Heptagenia sp.	L	4
RTH	Ephemeroptera	Heptageniidae	Stenonema sp.	L	28
RTH	Ephemeroptera	Heptageniidae	Stenonema modestum (Banks)/smithae Traver	L	6
RTH	Ephemeroptera	Isonychiidae	Isonychia sp.	L	8
RTH	Odonata	Aeshnidae	Boyeria vinosa (Say)	L	1
RTH	Plecoptera	Nemouridae	Amphinemura sp.	L	4
RTH	Plecoptera	Peltoperlidae	Peltoperlidae	L	4
RTH	Plecoptera	Perlidae	Perlidae	L	8
RTH	Plecoptera	Perlidae	Perlesta sp.	L	8
RTH	Hemiptera	Veliidae	Microvelia sp.	L	8
RTH	Trichoptera	Hydropsychidae	Hydropsychidae	L	16
RTH	Trichoptera	Hydropsychidae	Ceratopsyche sp.	L	12
RTH	Trichoptera	Hydropsychidae	Cheumatopsyche sp.	L	4
RTH	Trichoptera	Polycentropodidae	Paranyctiophylax sp.	L	4
RTH	Trichoptera	Psychomyiidae	Lype diversa (Banks)	L	20
RTH	Trichoptera	Brachycentridae	Brachycentrus sp.	L	4
RTH	Trichoptera	Leptoceridae	Oecetis sp.	L	12
RTH	Trichoptera	Leptoceridae	Oecetis persimilis (Banks)	L	4
RTH	Coleoptera	Dryopidae	Helichus fastigiatus (Say)	A	4
RTH	Coleoptera	Elmidae	Ancyronyx variegata (Germar)	A	48
RTH	Coleoptera	Elmidae	Ancyronyx variegata (Germar)	L	80
RTH	Coleoptera	Elmidae	Macronychus glabratus Say	A	20
RTH	Coleoptera	Elmidae	Macronychus glabratus Say	L	24
RTH	Coleoptera	Elmidae	Optioservus sp.	L	4
RTH	Coleoptera	Elmidae	Oulimnius latiusculus (LeConte)	A	4
RTH	Coleoptera	Psephenidae	Psephenus herricki (DeKay)	L	1
RTH	Diptera		Nematocera	A	8
RTH	Diptera	Chironomidae	Chironomidae	A	4
RTH	Diptera	Chironomidae	Chironomidae	P	16
RTH	Diptera	Chironomidae	Chironominae	P	56
RTH	Diptera	Chironomidae	Microtendipes sp.	L	8
RTH	Diptera	Chironomidae	Nilothauma sp.	L	8
RTH	Diptera	Chironomidae	Pagastiella sp.	L	4
RTH	Diptera	Chironomidae	Paratendipes sp.	L	4
RTH	Diptera	Chironomidae	Polypedilum sp.	L	104
RTH	Diptera	Chironomidae	Stelechomyia perpulchra (Mitchell)	L	8
RTH	Diptera	Chironomidae	Stenochironomus sp.	L	40
RTH	Diptera	Chironomidae	Micropsectra/Tanytarsus sp.	L	4
RTH	Diptera	Chironomidae	Paratanytarsus sp.	L	4
RTH	Diptera	Chironomidae	Rheotanytarsus sp.	L	56
RTH	Diptera	Chironomidae	Tanytarsus sp.	L	36
RTH	Diptera	Chironomidae	Potthastia sp.	L	4
RTH	Diptera	Chironomidae	Orthocladiinae	L	4
RTH	Diptera	Chironomidae	Orthocladiinae	L	4

02338523 HILLABAHATCHEE CREEK AT THAXTON ROAD, NEAR FRANKLIN, GA —continued.

Sample Type	Order	Family	BU_ID	Lifestage	Abundance
RTH	Diptera	Chironomidae	Orthocladiinae	P	32
RTH	Diptera	Chironomidae	Cricotopus/Orthocladius sp.	L	16
RTH	Diptera	Chironomidae	Brillia sp.	L	4
RTH	Diptera	Chironomidae	Cricotopus sp.	L	36
RTH	Diptera	Chironomidae	Limnophyes sp.	L	4
RTH	Diptera	Chironomidae	Orthocladius lignicola (Kieffer)	P	4
RTH	Diptera	Chironomidae	Parakiefferiella sp.	L	28
RTH	Diptera	Chironomidae	Parametriocnemus sp.	L	8
RTH	Diptera	Chironomidae	Rheocricotopus sp.	L	12
RTH	Diptera	Chironomidae	Tvetenia sp.	L	4
RTH	Diptera	Chironomidae	Xylotopus par (Coquillett)	L	20
RTH	Diptera	Chironomidae	Tanypodinae	P	4
RTH	Diptera	Chironomidae	Natarsia sp.	L	4
RTH	Diptera	Chironomidae	Thienemannimyia group sp. (Coffman and Ferrington, 1996)	L	4
RTH	Diptera	Chironomidae	Paramerina sp.	L	4
RTH	Diptera	Simuliidae	Simuliidae	L	16
RTH	Diptera	Simuliidae	Simulium sp.	L	4
RTH	Diptera	Tipulidae	Antocha sp.	L	44
RTH	Diptera		Brachycera	A	4
RTH	Diptera	Empididae	Hemerodromiinae	P	8
RTH	Diptera	Empididae	Hemerodromia sp.	L	4

Fishes

Scientific Name	Common Name	Method	ShockSec	Count	SL	TL	Weight
Campostoma pauciradii	bluefin stoneroller	11A	659	1	77	92	NA
Campostoma pauciradii	bluefin stoneroller	11A	659	1	53	65	2.7
Campostoma pauciradii	bluefin stoneroller	11A	659	1	92	105	12
Campostoma pauciradii	bluefin stoneroller	11A	659	1	76	91	8
Campostoma pauciradii	bluefin stoneroller	11A	659	1	58	70	2.4
Lepomis auritus	redbreast sunfish	11A	659	1	110	139	42
Lepomis auritus	redbreast sunfish	11A	659	1	44	55	2.8
Lepomis auritus	redbreast sunfish	11A	659	1	50	64	4
Luxilus zonistius	bandfin shiner	11A	659	1	62	75	6.2
Luxilus zonistius	bandfin shiner	11A	659	1	47	58	1.8
Luxilus zonistius	bandfin shiner	11A	659	1	38	46	0.9
Luxilus zonistius	bandfin shiner	11A	659	1	43	55	1.2
Luxilus zonistius	bandfin shiner	11A	659	1	38	48	1
Luxilus zonistius	bandfin shiner	11A	659	1	38	46	0.9
Luxilus zonistius	bandfin shiner	11A	659	1	44	55	1.7
Luxilus zonistius	bandfin shiner	11A	659	1	40	50	1.3
Luxilus zonistius	bandfin shiner	11A	659	1	37	46	0.8
Luxilus zonistius	bandfin shiner	11A	659	1	44	55	1.3
Luxilus zonistius	bandfin shiner	11A	659	1	41	50	1.2
Luxilus zonistius	bandfin shiner	11A	659	1	40	50	1.1
Luxilus zonistius	bandfin shiner	11A	659	1	43	53	1.7
Luxilus zonistius	bandfin shiner	11A	659	1	35	55	1.4
Luxilus zonistius	bandfin shiner	11A	659	1	43	53	1.2
Luxilus zonistius	bandfin shiner	11A	659	1	43	53	1.4
Luxilus zonistius	bandfin shiner	11A	659	1	57	70	2.9
Luxilus zonistius	bandfin shiner	11A	659	1	44	55	1.4
Luxilus zonistius	bandfin shiner	11A	659	1	55	67	2.9
Luxilus zonistius	bandfin shiner	11A	659	1	43	52	1.4
Luxilus zonistius	bandfin shiner	11A	659	1	79	96	11.2
Luxilus zonistius	bandfin shiner	11A	659	1	77	95	10.2
Luxilus zonistius	bandfin shiner	11A	659	26	NA	NA	42
Luxilus zonistius	bandfin shiner	11A	659	18	NA	NA	46
Luxilus zonistius	bandfin shiner	11A	659	3	NA	NA	3.1
Luxilus zonistius	bandfin shiner	11A	659	1	64	81	5.2
Luxilus zonistius	bandfin shiner	11A	659	1	70	87	7.5
Luxilus zonistius	bandfin shiner	11A	659	1	56	70	3.6
Luxilus zonistius	bandfin shiner	11A	659	1	60	74	4.4
Luxilus zonistius	bandfin shiner	11A	659	1	40	51	1.3

02338523 HILLABAHATCHEE CREEK AT THAXTON ROAD, NEAR FRANKLIN, GA —continued.

Scientific Name	Common Name	Method	ShockSec	Count	SL	TL	Weight
Luxilus zonistius	bandfin shiner	11A	659	1	53	66	2.9
Luxilus zonistius	bandfin shiner	11A	659	1	41	52	1.2
Luxilus zonistius	bandfin shiner	11A	659	1	43	55	1.5
Luxilus zonistius	bandfin shiner	11A	659	1	36	46	0.9
Luxilus zonistius	bandfin shiner	11A	659	1	44	56	1.7
Luxilus zonistius	bandfin shiner	11A	659	1	52	65	2.4
Luxilus zonistius	bandfin shiner	11A	659	1	43	55	1.6
Luxilus zonistius	bandfin shiner	11A	659	1	43	53	1.5
Luxilus zonistius	bandfin shiner	11A	659	1	20	25	0.1
Micropterus coosae	redeye bass	11A	659	1	115	129	30
Micropterus coosae	redeye bass	11A	659	1	119	144	36.3
Micropterus coosae	redeye bass	11A	659	1	80	98	11.7
Micropterus coosae	redeye bass	11A	659	1	59	73	4.8
Nocomis leptocephalus	bluehead chub	11A	659	1	110	129	26
Nocomis leptocephalus	bluehead chub	11A	659	1	110	131	28
Nocomis leptocephalus	bluehead chub	11A	659	1	87	102	12
Nocomis leptocephalus	bluehead chub	11A	659	1	87	103	12
Nocomis leptocephalus	bluehead chub	11A	659	1	98	115	20
Nocomis leptocephalus	bluehead chub	11A	659	1	95	110	16
Nocomis leptocephalus	bluehead chub	11A	659	1	79	95	10
Percina nigrofasciata	blackbanded darter	11A	659	1	60	70	3.2
Percina nigrofasciata	blackbanded darter	11A	659	1	57	66	3
Percina nigrofasciata	blackbanded darter	11A	659	1	50	58	1.5
Percina nigrofasciata	blackbanded darter	11A	659	1	50	58	1
Percina nigrofasciata	blackbanded darter	11A	659	1	53	60	2.1
Percina nigrofasciata	blackbanded darter	11A	659	1	58	67	2.4
Percina nigrofasciata	blackbanded darter	11A	659	1	58	66	3.3
Percina nigrofasciata	blackbanded darter	11A	659	1	58	65	2.1
Percina nigrofasciata	blackbanded darter	11A	659	1	54	60	2.2
Percina nigrofasciata	blackbanded darter	11A	659	1	50	57	0.9
Percina nigrofasciata	blackbanded darter	11A	659	1	59	68	2.8
Percina nigrofasciata	blackbanded darter	11A	659	1	58	66	2.3
Percina nigrofasciata	blackbanded darter	11A	659	1	54	62	2.2
Percina nigrofasciata	blackbanded darter	11A	659	1	54	63	2
Percina nigrofasciata	blackbanded darter	11A	659	1	63	70	2.9
Percina nigrofasciata	blackbanded darter	11A	659	1	54	63	1.4
Percina nigrofasciata	blackbanded darter	11A	659	1	48	56	1.6
Percina nigrofasciata	blackbanded darter	11A	659	1	57	65	2.6
Percina nigrofasciata	blackbanded darter	11A	659	1	50	59	1.9
Percina nigrofasciata	blackbanded darter	11A	659	1	50	58	1.8
Percina nigrofasciata	blackbanded darter	11A	659	1	53	57	1.8
Percina nigrofasciata	blackbanded darter	11A	659	1	54	62	2.3
Percina nigrofasciata	blackbanded darter	11A	659	1	53	60	1.9
Percina nigrofasciata	blackbanded darter	11A	659	4	NA	NA	18.5
Percina nigrofasciata	blackbanded darter	11A	659	1	51	59	2
Percina nigrofasciata	blackbanded darter	11A	659	1	50	59	2
Percina nigrofasciata	blackbanded darter	11A	659	1	46	54	1.6
Percina nigrofasciata	blackbanded darter	11A	659	1	45	53	1.4
Ameiurus brunneus	snail bullhead	11B	675	1	90	103	13.2
Ameiurus brunneus	snail bullhead	11B	675	1	133	153	42
Ameiurus brunneus	snail bullhead	11B	675	1	155	171	61.9
Campostoma pauciradii	bluefin stoneroller	11B	675	1	78	94	8
Campostoma pauciradii	bluefin stoneroller	11B	675	1	60	71	3.6
Campostoma pauciradii	bluefin stoneroller	11B	675	1	95	111	14
Campostoma pauciradii	bluefin stoneroller	11B	675	1	52	62	2.3
Campostoma pauciradii	bluefin stoneroller	11B	675	1	70	82	5.6
Campostoma pauciradii	bluefin stoneroller	11B	675	1	55	67	3.5
Campostoma pauciradii	bluefin stoneroller	11B	675	1	78	93	7.8
Campostoma pauciradii	bluefin stoneroller	11B	675	1	68	80	5.1
Campostoma pauciradii	bluefin stoneroller	11B	675	1	58	70	3.2
Campostoma pauciradii	bluefin stoneroller	11B	675	1	65	80	4.6
Campostoma pauciradii	bluefin stoneroller	11B	675	1	65	78	4.6
Campostoma pauciradii	bluefin stoneroller	11B	675	1	65	80	5.1

02338523 HILLABAHATCHEE CREEK AT THAXTON ROAD, NEAR FRANKLIN, GA —continued.

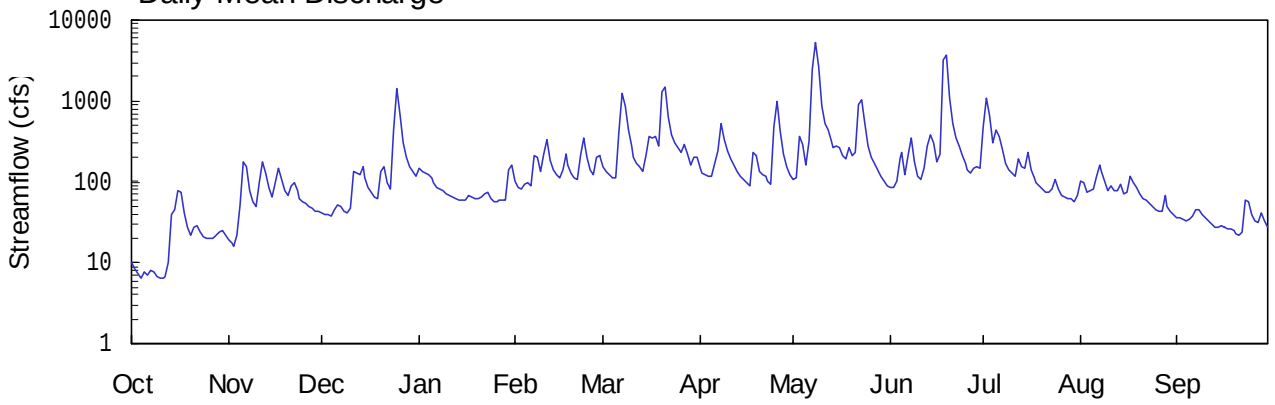
Scientific Name	Common Name	Method	ShockSec	Count	SL	TL	Weight
Hypentelium etowanum	Alabama hog sucker	11B	675	1	104	120	16
Hypentelium etowanum	Alabama hog sucker	11B	675	1	168	200	84
Lepomis auritus	redbreast sunfish	11B	675	1	125	158	66
Lepomis auritus	redbreast sunfish	11B	675	1	100	120	34
Lepomis auritus	redbreast sunfish	11B	675	1	96	120	26
Lepomis auritus	redbreast sunfish	11B	675	1	55	68	5.5
Lepomis auritus	redbreast sunfish	11B	675	1	46	57	3.2
Lepomis auritus	redbreast sunfish	11B	675	1	37	45	1.5
Luxilus zonistius	bandfin shiner	11B	675	19	NA	NA	62
Luxilus zonistius	bandfin shiner	11B	675	4	NA	NA	8
Luxilus zonistius	bandfin shiner	11B	675	1	87	108	15.9
Luxilus zonistius	bandfin shiner	11B	675	1	74	92	9.2
Luxilus zonistius	bandfin shiner	11B	675	1	62	77	4.5
Luxilus zonistius	bandfin shiner	11B	675	1	51	65	2.7
Luxilus zonistius	bandfin shiner	11B	675	1	40	51	1.2
Luxilus zonistius	bandfin shiner	11B	675	1	45	63	1.7
Luxilus zonistius	bandfin shiner	11B	675	1	39	50	1.1
Micropterus coosae	redeye bass	11B	675	1	115	140	30
Micropterus coosae	redeye bass	11B	675	1	122	143	30
Micropterus coosae	redeye bass	11B	675	1	157	185	68
Micropterus coosae	redeye bass	11B	675	1	110	135	26
Micropterus coosae	redeye bass	11B	675	1	107	130	22
Micropterus salmoides	largemouth bass	11B	675	1	52	64	2.8
Nocomis leptocephalus	bluehead chub	11B	675	1	108	125	28
Nocomis leptocephalus	bluehead chub	11B	675	1	118	136	30
Nocomis leptocephalus	bluehead chub	11B	675	1	94	110	14
Nocomis leptocephalus	bluehead chub	11B	675	1	86	102	12
Nocomis leptocephalus	bluehead chub	11B	675	1	89	115	14
Nocomis leptocephalus	bluehead chub	11B	675	1	95	115	16
Nocomis leptocephalus	bluehead chub	11B	675	1	106	125	20
Nocomis leptocephalus	bluehead chub	11B	675	1	88	102	12
Nocomis leptocephalus	bluehead chub	11B	675	1	90	105	14
Nocomis leptocephalus	bluehead chub	11B	675	1	69	81	8
Nocomis leptocephalus	bluehead chub	11B	675	1	95	110	18
Nocomis leptocephalus	bluehead chub	11B	675	1	80	95	10
Nocomis leptocephalus	bluehead chub	11B	675	1	117	136	30
Nocomis leptocephalus	bluehead chub	11B	675	1	92	109	14
Nocomis leptocephalus	bluehead chub	11B	675	1	112	133	28
Nocomis leptocephalus	bluehead chub	11B	675	1	84	97	14
Nocomis leptocephalus	bluehead chub	11B	675	1	90	105	14
Nocomis leptocephalus	bluehead chub	11B	675	1	50	60	2.3
Nocomis leptocephalus	bluehead chub	11B	675	1	82	97	10.5
Nocomis leptocephalus	bluehead chub	11B	675	1	131	151	52
Nocomis leptocephalus	bluehead chub	11B	675	1	60	73	5.1
Percina nigrofasciata	blackbanded darter	11B	675	7	NA	NA	16

2003 Water Year

02338660 NEW RIVER AT GA 100, NEAR CORINTH, GA

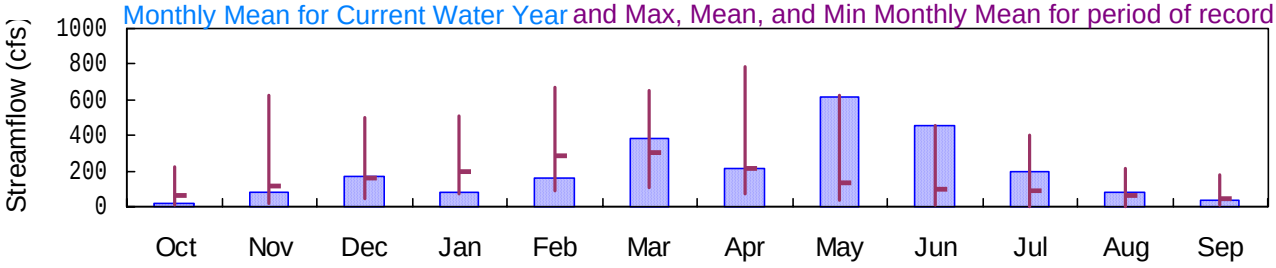
Latitude: 33°14'07" Longitude: 084°59'16" Hydrologic Unit Code: 03130002 Heard County
Drainage Area: 127 mi² Datum: 634.6 feet

Daily Mean Discharge

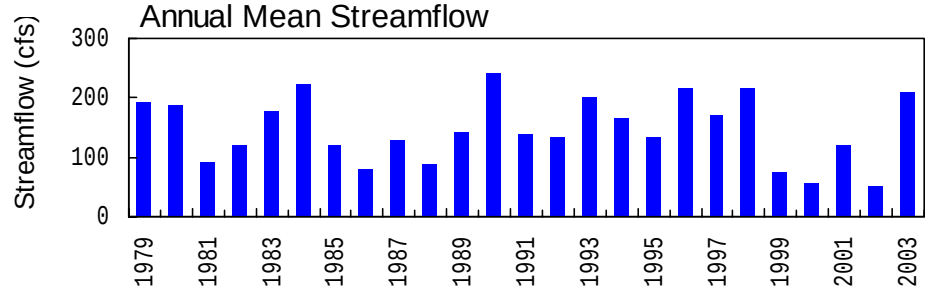


Monthly Statistics

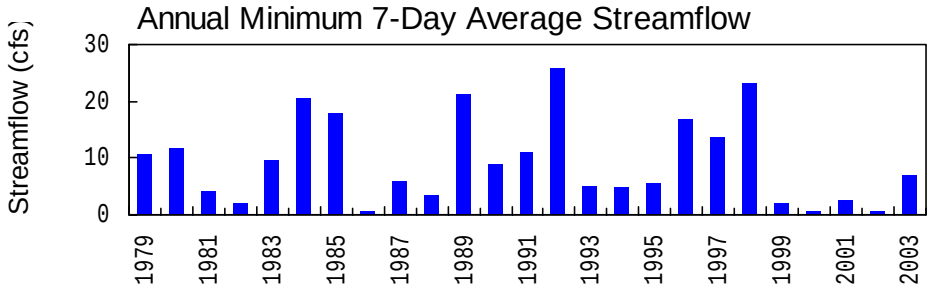
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



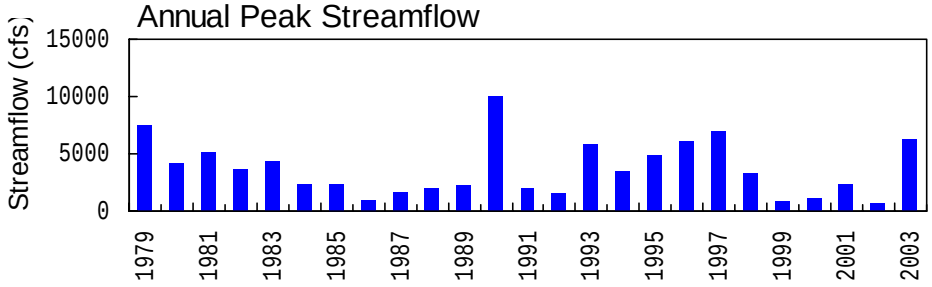
Annual Mean Streamflow

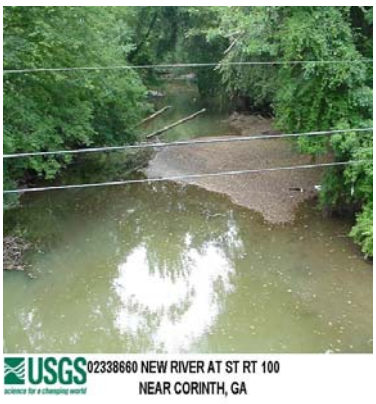


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





APALACHICOLA RIVER BASIN
2003 Water Year

02338660 NEW RIVER AT GA 100, NEAR CORINTH, GA

LOCATION.—Lat 33°14'07", long 84°59'16" referenced to North American Datum (NAD) of 1927, Heard County, Hydrologic Unit 03130002, at bridge on GA 100, 1.7 miles downstream of Caney Creek, 2.5 miles west of Corinth, 3.9 miles downstream of Mountain Creek, and 8.1 miles upstream of Chattahoochee River.

DRAINAGE AREA.—127 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1978 to current year.

REVISED RECORDS.—WDR GA-90-1: 1979(M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 623.90 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharge greater than base discharge of 1,800 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
12/25	1400	1,800	9.11
03/20	2300	2,430	9.79
05/08	1630	6,310*	13.83*
06/18	2130	6,030	13.54

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1978 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 623.90 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 13.83 feet, May 8; minimum gage-height recorded, 2.72 feet, October 4, 10, 11.

02338660 NEW RIVER AT GA 100, NEAR CORINTH, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 5, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338660 NEW RIVER AT GA 100, NEAR CORINTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 149
LATITUDE 331407 LONGITUDE 0845916 NAD27 DRAINAGE AREA 127 CONTRIBUTING DRAINAGE AREA 127* DATUM 634.68 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	19	42	e145	104	155	148	107	85	471	101	37
2	8.6	17	40	e135	85	134	131	114	84	1070	100	36
3	7.3	16	39	e130	81	121	120	370	104	650	74	34
4	6.5	22	38	e120	93	111	115	297	189	303	79	33
5	7.6	51	45	e110	99	111	116	165	235	430	83	35
6	7.1	175	52	e100	90	421	167	313	123	366	117	38
7	8.0	154	49	87	216	1230	245	2420	212	253	161	46
8	7.7	76	43	81	205	869	515	5210	355	168	135	44
9	6.7	56	41	78	132	431	327	2640	174	139	102	40
10	6.4	50	46	e70	225	280	241	862	119	127	78	35
11	6.5	96	134	e68	340	206	195	530	107	120	89	33
12	6.6	177	130	e64	186	170	158	430	145	194	76	30
13	10	131	123	e62	139	152	133	323	274	155	80	28
14	39	83	151	59	123	136	116	267	375	144	92	27
15	45	64	110	59	111	207	105	277	311	230	71	29
16	77	97	86	60	137	370	96	271	175	140	75	28
17	75	148	74	68	217	341	91	209	225	110	119	26
18	42	107	66	65	163	372	230	190	3250	96	98	27
19	28	77	63	62	128	281	211	260	3770	88	87	26
20	22	67	134	62	114	1310	136	214	1070	83	72	23
21	27	89	151	64	108	1510	121	229	531	76	63	22
22	29	99	98	71	211	616	118	887	356	74	58	24
23	24	77	81	75	353	380	103	1030	279	83	54	60
24	21	63	433	61	200	302	92	521	215	107	50	57
25	20	57	1430	56	143	261	472	281	169	80	45	39
26	20	53	683	58	124	232	1010	203	140	69	43	33
27	20	50	300	59	202	284	414	167	130	66	43	31
28	21	47	198	58	215	216	219	141	150	63	69	40
29	24	44	154	60	---	162	156	119	154	62	50	33
30	25	43	133	139	---	201	124	101	145	58	43	28
31	22	---	117	158	---	204	---	91	---	67	39	---
TOTAL	680.0	2305	5284	2544	4544	11776	6425	19239	13651	6142	2446	1022
MEAN	21.9	76.8	170	82.1	162	380	214	621	455	198	78.9	34.1
MAX	77	177	1430	158	353	1510	1010	5210	3770	1070	161	60
MIN	6.4	16	38	56	81	111	91	91	84	58	39	22
CFSM	0.17	0.60	1.34	0.65	1.28	2.99	1.69	4.89	3.58	1.56	0.62	0.27
IN.	0.20	0.68	1.55	0.75	1.33	3.45	1.88	5.64	4.00	1.80	0.72	0.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2003, BY WATER YEAR (WY)

MEAN	61.6	116	162	198	283	300	217	136	101	92.7	62.7	47.5
MAX	222	622	502	510	672	653	786	621	455	406	213	174
(WY)	1990	1993	1984	1990	1990	1990	1979	2003	2003	1994	1984	1994
MIN	5.11	20.2	42.0	67.2	87.4	104	70.6	35.2	10.6	2.67	2.76	5.65
(WY)	2001	2002	2002	1981	2000	1988	1986	2000	2000	2000	2002	2002

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1979 - 2003	
ANNUAL TOTAL	24291.97		76058.0			
ANNUAL MEAN	66.6		208		148	
HIGHEST ANNUAL MEAN					241	1990
LOWEST ANNUAL MEAN					50.1	2002
HIGHEST DAILY MEAN	1430	Dec 25	5210	May 8	7740	Mar 17 1990
LOWEST DAILY MEAN	0.28	Sep 12	6.4	Oct 10	0.24	Aug 7 1986
ANNUAL SEVEN-DAY MINIMUM	0.62	Sep 7	7.0	Oct 6	0.62	Sep 7 2002
MAXIMUM PEAK FLOW			6310	May 8	10000	Mar 17 1990
MAXIMUM PEAK STAGE			13.83	May 8	17.17	Mar 17 1990
ANNUAL RUNOFF (CFSM)	0.52		1.64		1.16	
ANNUAL RUNOFF (INCHES)	7.12		22.28		15.78	
10 PERCENT EXCEEDS	147		368		300	
50 PERCENT EXCEEDS	38		107		83	
90 PERCENT EXCEEDS	2.3		28		15	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338660 NEW RIVER AT GA 100, NEAR CORINTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 149
LATITUDE 331407 LONGITUDE 0845916 NAD27 DRAINAGE AREA 127 CONTRIBUTING DRAINAGE AREA 127* DATUM 634.68 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.92	3.26	3.85	---	4.81	5.36	5.30	4.84	4.71	6.83	4.98	3.93
2	2.84	3.20	3.81	---	4.57	5.15	5.12	4.93	4.69	8.28	4.96	3.91
3	2.77	3.17	3.79	---	4.50	5.01	5.00	6.58	4.93	7.44	4.59	3.87
4	2.73	3.35	3.77	---	4.67	4.90	4.95	6.27	5.77	6.48	4.67	3.85
5	2.79	3.95	3.90	---	4.74	4.90	4.96	5.45	6.05	6.93	4.74	3.90
6	2.76	5.53	4.05	---	4.62	6.61	5.47	6.23	5.17	6.72	5.14	3.95
7	2.81	5.32	3.98	4.59	5.82	8.47	5.90	9.75	5.89	6.24	5.64	4.12
8	2.79	4.41	3.88	4.50	5.76	7.91	7.10	12.70	6.62	5.70	5.38	4.09
9	2.74	4.08	3.83	4.45	5.13	6.83	6.43	10.00	5.66	5.42	4.99	3.99
10	2.72	3.98	3.93	---	5.82	6.21	6.01	7.91	5.13	5.30	4.66	3.90
11	2.73	4.64	5.14	---	6.48	5.78	5.70	7.18	4.98	5.21	4.81	3.84
12	2.74	5.55	5.11	---	5.62	5.50	5.39	6.89	5.40	5.91	4.63	3.78
13	2.91	5.11	5.02	---	5.21	5.34	5.14	6.51	6.28	5.57	4.68	3.73
14	3.74	4.54	5.32	4.16	5.04	5.17	4.95	6.26	6.71	5.45	4.85	3.70
15	3.87	4.25	4.88	4.16	4.89	5.75	4.82	6.31	6.44	6.12	4.56	3.74
16	4.43	4.69	4.57	4.18	5.17	6.61	4.71	6.28	5.69	5.43	4.61	3.72
17	4.40	5.30	4.40	4.30	5.86	6.49	4.64	5.95	6.02	5.09	5.19	3.68
18	3.82	4.84	4.28	4.27	5.43	6.62	5.77	5.80	10.53	4.92	4.93	3.70
19	3.52	4.44	4.22	4.21	5.08	6.21	5.78	6.23	11.19	4.81	4.79	3.67
20	3.36	4.29	5.14	4.22	4.93	8.36	5.17	5.97	8.22	4.73	4.57	3.60
21	3.49	4.61	5.31	4.24	4.86	8.76	5.01	5.96	7.19	4.63	4.42	3.55
22	3.55	4.75	4.73	4.35	5.73	7.36	4.98	7.94	6.68	4.59	4.34	3.62
23	3.43	4.44	4.50	4.42	6.54	6.65	4.79	8.20	6.38	4.73	4.26	4.36
24	3.34	4.23	6.40	4.20	5.72	6.32	4.65	7.12	6.06	5.06	4.19	4.31
25	3.29	4.13	8.69	4.11	5.24	6.12	6.74	6.32	5.71	4.69	4.11	3.99
26	3.29	4.06	7.48	4.14	5.05	5.96	8.18	5.90	5.43	4.53	4.06	3.86
27	3.30	4.00	6.30	4.16	5.73	6.24	6.73	5.62	5.32	4.47	4.06	3.80
28	3.34	3.95	5.72	4.15	5.84	5.84	5.86	5.36	5.53	4.41	4.52	4.01
29	3.43	3.90	5.36	4.18	---	5.43	5.37	5.13	5.57	4.40	4.20	3.84
30	3.45	3.88	5.14	5.17	---	5.73	5.04	4.91	5.48	4.33	4.07	3.73
31	3.36	---	4.97	5.39	---	5.76	---	4.78	---	4.47	3.98	---
MEAN	3.25	4.33	4.89	---	5.32	6.24	5.52	6.62	6.18	5.45	4.63	3.86
MAX	4.43	5.55	8.69	---	6.54	8.76	8.18	12.70	11.19	8.28	5.64	4.36
MIN	2.72	3.17	3.77	---	4.50	4.90	4.64	4.78	4.69	4.33	3.98	3.55

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02338660 NEW RIVER AT GA 100, NEAR CORINTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 149
LATITUDE 331407 LONGITUDE 0845916 NAD27 DRAINAGE AREA 127 CONTRIBUTING DRAINAGE AREA 127* DATUM 634.68 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01	---	---	---	---	---	0.00	0.00	0.00	2.20	0.63	0.00
2	0.01	---	---	---	---	---	0.00	1.50	0.00	0.02	0.00	0.00
3	0.00	---	---	---	---	---	0.00	0.26	0.65	0.00	0.22	0.00
4	0.13	---	---	---	---	---	0.07	0.00	0.18	0.00	0.01	0.19
5	0.00	---	---	---	---	0.77	0.08	0.01	0.00	0.33	0.28	0.00
6	0.00	---	---	---	---	1.27	0.02	3.28	0.84	0.01	1.46	0.27
7	0.23	---	---	---	---	0.57	1.33	2.48	0.87	0.00	0.23	0.12
8	0.00	---	---	---	---	0.00	0.14	1.99	0.01	0.00	0.00	0.00
9	0.00	---	---	---	---	0.00	0.15	0.00	0.00	0.00	0.00	0.00
10	0.00	---	---	---	---	0.00	0.07	0.00	0.00	0.08	0.01	0.00
11	0.04	---	---	---	---	0.00	0.01	0.47	0.60	0.19	0.00	0.00
12	0.24	---	---	---	---	0.00	0.00	0.00	0.35	0.02	0.01	0.00
13	0.24	---	---	---	---	0.00	0.00	0.00	1.10	0.64	0.34	0.00
14	0.00	---	---	---	---	0.00	0.00	0.24	0.20	0.07	0.01	0.00
15	1.37	---	---	---	---	1.07	0.00	0.29	0.00	0.00	0.03	0.00
16	0.11	---	---	---	---	0.00	0.00	0.03	0.00	0.00	0.53	0.00
17	0.00	---	---	---	---	0.64	0.02	0.05	1.82	0.00	0.00	0.00
18	0.00	---	0.00	---	---	0.10	0.01	0.47	2.03	0.26	0.03	0.00
19	0.00	---	0.87	---	---	0.65	0.00	0.13	0.04	0.01	0.00	0.00
20	0.44	---	0.03	---	---	0.28	0.00	0.01	0.00	0.00	0.00	0.00
21	0.01	---	0.00	---	---	0.00	0.42	2.82	0.00	0.22	0.00	0.07
22	0.00	---	0.00	---	---	0.00	0.00	0.66	0.00	0.10	0.00	0.46
23	0.03	---	0.06	---	---	0.00	0.00	0.00	0.00	0.43	0.00	0.00
24	0.01	---	---	---	---	0.00	0.57	0.00	0.00	0.00	0.00	0.01
25	0.04	---	---	---	---	0.00	2.07	0.00	0.00	0.00	0.00	0.00
26	0.03	---	0.00	---	---	0.27	0.01	0.01	0.00	0.13	0.00	0.00
27	0.07	---	0.00	---	---	0.00	0.00	0.00	0.18	0.00	0.57	0.69
28	---	---	0.00	---	---	0.00	0.00	0.00	0.25	0.33	0.12	0.00
29	---	---	0.00	---	---	0.25	0.00	0.00	0.99	0.00	0.00	0.00
30	0.00	---	---	---	---	0.36	0.00	0.00	0.82	0.00	0.00	0.00
31	0.00	---	---	---	---	0.00	---	0.00	---	1.41	0.00	---
TOTAL	---	---	---	---	---	---	4.97	14.70	10.93	6.45	4.48	1.81

02339400 WEST POINT LAKE NEAR WEST POINT, GA

LOCATION.—Lat 32°55'05", long 85°11'17" referenced to North American Datum (NAD) of 1927, Troup County, Hydrologic Unit 03130002, at forebay of dam on Chattahoochee River, 2.3 miles upstream from Oseligee Creek, 3.0 miles north of West Point, 3.2 miles upstream from bridge on US 29, and at mile 201.4.

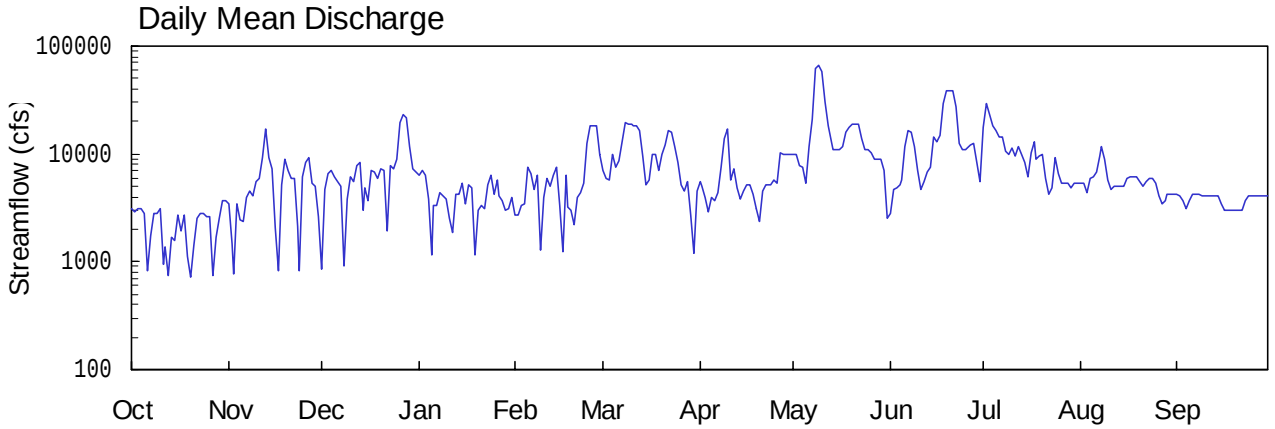
REMARKS.-- Water levels are provided by the U.S. Army Corps of Engineers, Mobile District. Please see the following Internet location for more information:

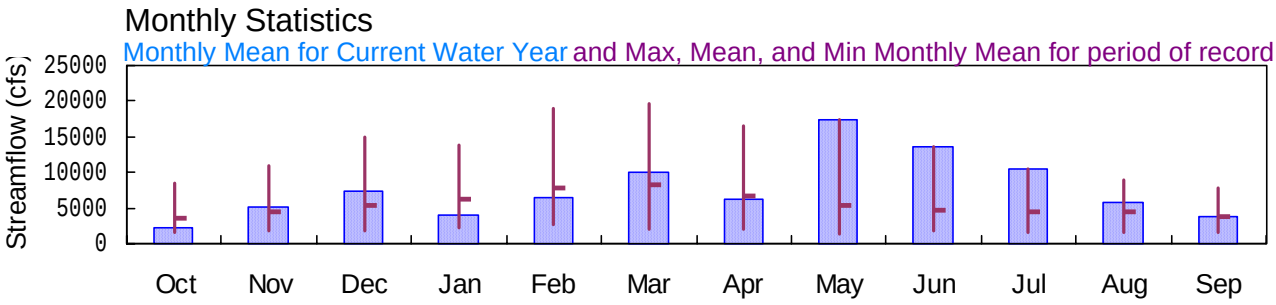
http://water.sam.usace.army.mil/

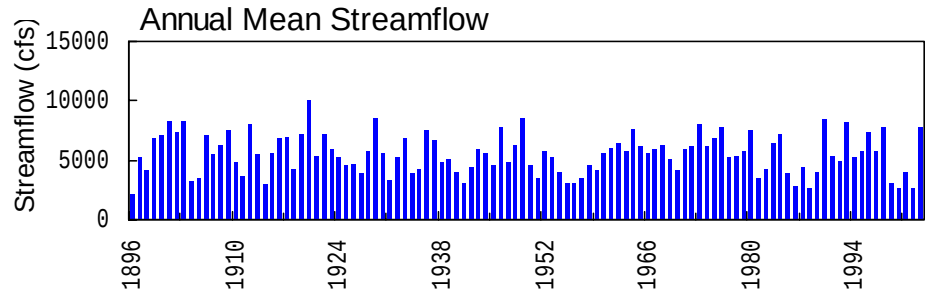
2003 Water Year

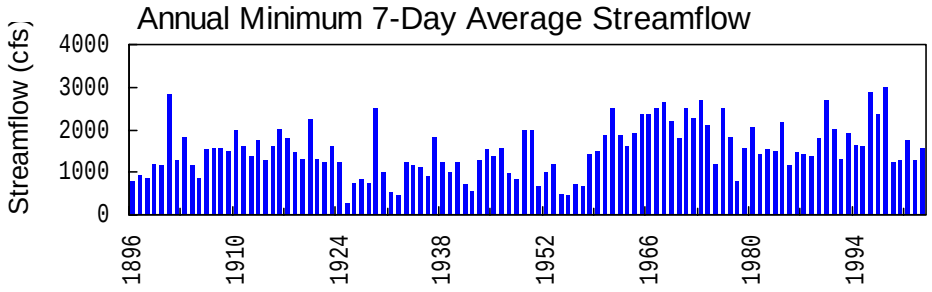
02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA

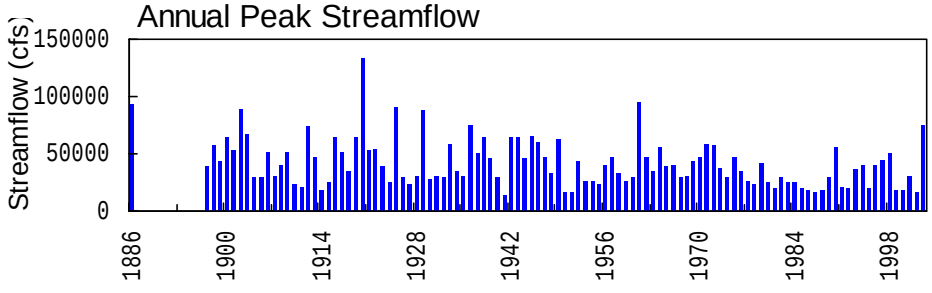
Latitude: 32°53'10" Longitude: 085°10'56" Hydrologic Unit Code: 03130002 Troup County
Drainage Area: 3550. mi^2 Datum: 551.6 feet











APALACHICOLA RIVER BASIN
2003 Water Year

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA

LOCATION.—Lat 32°53'10", long 85°10'56" referenced to North American Datum (NAD) of 1927, Troup County, Hydrologic Unit 03130002, on right bank just downstream from Oseligee Creek at West Point, 1.0 mile upstream from bridge on US 29, 2.5 miles downstream from West Point Dam and at mile 198.9.

DRAINAGE AREA.—3,550 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 1896 to current year.

REVISED RECORDS.—WSP 682: 1920, drainage area; WSP 972: 1931-32; WSP 1504: 1912, 1916-17.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 551.67 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to October 20, 1912, a non-recording gage was located at site 0.8 miles downstream at datum 2.83 feet lower. From October 20, 1912, to January 25, 1925, a non-recording gage was located at site 500.00 feet upstream at present datum.

REMARKS.—Records good. Flow regulated by Lake Sidney Lanier since January 1956 and by West Point Lake since October 1974. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1827, that of December 10, 1919. Flood in 1886 reached a stage of 25.6 feet at former site and datum, from flood marks by National Weather Service; corresponding discharge was 92,800 cfs.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 1896 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 551.67 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to October 20, 1912, a non-recording gage was located at site 0.8 miles downstream at datum 2.83 feet lower. From October 20, 1912, to January 25, 1925, a non-recording gage was located at site 500 feet upstream at present datum.

REMARKS.—Records good. Gage-height records collected at site 0.8 miles downstream since 1899 are contained in reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 23.23 feet, May 8; minimum gage-height recorded, 1.76 feet, July 15.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 285
LATITUDE 325310 LONGITUDE 0851056 NAD27 DRAINAGE AREA 3550.00* CONTRIBUTING DRAINAGE AREA DATUM 551.67 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3130	3420	866	6400	2730	7120	5630	9810	2830	17800	5370	4160
2	2880	1470	4730	7070	2690	5960	5070	9820	4740	29400	5350	4140
3	3120	760	6600	6310	3380	5700	3890	7760	4770	23400	4420	3670
4	3100	3450	7090	3830	3420	9980	2940	7510	5190	18300	5910	3070
5	2850	2460	6070	1170	7630	7440	3880	5290	5720	16600	6210	3660
6	811	2370	5520	3300	6640	8530	3720	11900	11900	14500	6770	4160
7	1740	3960	5030	3300	4640	13000	4440	21100	16500	14400	9450	4160
8	2810	4510	898	4370	6340	19500	7610	61500	15700	10700	11900	4170
9	2760	4030	3760	4050	1290	18900	13800	66600	11700	10000	9080	4150
10	3130	5500	6140	3750	3990	18600	16900	58300	7010	11200	5740	4140
11	944	5910	5500	2530	5920	18400	5670	30300	4610	9470	4690	4140
12	1380	9330	7670	1860	4930	18400	7340	18500	5640	11900	5060	4120
13	745	17200	8310	4180	6430	16600	4880	12800	6740	9950	5060	4110
14	1710	9360	2980	4220	7410	9640	3760	11000	7640	8330	5060	4130
15	1590	7370	4840	5330	3330	5260	4470	11100	14200	6220	5050	3470
16	2740	2060	3630	3390	1220	5700	5190	11100	12900	10400	5840	3040
17	1940	831	7040	5170	6320	9860	5210	11600	14800	12900	6090	3040
18	2740	5270	6740	4800	3220	10000	4170	16100	29100	9030	6160	3020
19	1100	9070	6030	1160	3010	7130	3110	17400	37900	9570	6070	3020
20	726	7070	7370	2980	2250	9800	2350	18800	39100	9860	5530	3020
21	1400	5950	7090	3320	4010	12200	4460	18600	38200	5940	5010	3020
22	2560	5860	1930	3070	4390	16300	5230	18900	27600	4270	5610	3020
23	2810	2120	7810	5100	5270	16200	5210	14000	12500	4900	6020	3690
24	2840	831	7300	6370	12700	11700	5190	11100	10800	9340	6000	4130
25	2640	6080	8980	4250	18400	8270	5790	11000	10800	6660	5360	4120
26	2650	8420	19400	5740	18300	5180	5450	10100	11300	5440	4130	4110
27	737	9310	23000	4050	18300	4500	10100	9060	12300	5400	3480	4100
28	1700	5290	22000	3690	10000	5480	9850	9050	12700	5360	3750	4140
29	2490	5040	11700	2980	---	2700	9850	9070	8470	4770	4160	4120
30	3720	2640	7400	3060	---	1210	9800	7080	5540	5330	4170	4100
31	3700	---	6820	3950	---	4460	---	2510	---	5330	4160	---
TOTAL	69193	156942	230244	124750	178160	313720	184960	538760	408900	326670	176660	113140
MEAN	2232	5231	7427	4024	6363	10120	6165	17380	13630	10540	5699	3771
MAX	3720	17200	23000	7070	18400	19500	16900	66600	39100	29400	11900	4170
MIN	726	760	866	1160	1220	1210	2350	2510	2830	4270	3480	3020
CFSM	0.63	1.47	2.09	1.13	1.79	2.85	1.74	4.90	3.84	2.97	1.61	1.06
IN.	0.73	1.64	2.41	1.31	1.87	3.29	1.94	5.65	4.28	3.42	1.85	1.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2003, BY WATER YEAR (WY)

MEAN	3679	4505	5425	6258	7874	8188	6623	5296	4645	4437	4467	3871
MAX	8536	10950	14880	13730	18980	19540	16480	17380	13630	10560	8890	7782
(WY)	1990	1993	1993	1993	1990	1990	1979	2003	2003	1994	1984	1994
MIN	1584	1816	1867	2170	2766	1921	1961	1423	1807	1672	1585	1606
(WY)	1999	2000	1982	1986	1989	1988	1988	1999	1978	1988	1986	1986

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1974 - 2003	
ANNUAL TOTAL	1239583		2822099			
ANNUAL MEAN	3396		7732		5426	
HIGHEST ANNUAL MEAN					8501	1990
LOWEST ANNUAL MEAN					2644	1988
HIGHEST DAILY MEAN	23000	Dec 27	66600	May 9	66600	May 9 2003
LOWEST DAILY MEAN	720	Aug 31	726	Oct 20	516	Sep 12 1993
ANNUAL SEVEN-DAY MINIMUM	1290	Jan 12	1580	Oct 11	778	Jul 31 1978
MAXIMUM PEAK FLOW			75100	May 8	94400	Feb 26 1961
MAXIMUM PEAK STAGE			23.23	May 8	24.90	Feb 26 1961
ANNUAL RUNOFF (CFSM)	0.96		2.18		1.53	
ANNUAL RUNOFF (INCHES)	12.99		29.57		20.77	
10 PERCENT EXCEEDS	6860		16200		10400	
50 PERCENT EXCEEDS	2820		5400		4440	
90 PERCENT EXCEEDS	813		2610		844	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 285
LATITUDE 325310 LONGITUDE 0851056 NAD27 DRAINAGE AREA 3550.00* CONTRIBUTING DRAINAGE AREA DATUM 551.67 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.25	3.44	2.29	4.72	3.11	5.17	4.49	6.34	3.18	9.13	4.51	3.99
2	3.21	2.53	3.98	5.05	3.10	4.65	4.25	6.35	4.06	12.81	4.50	3.98
3	3.30	2.18	4.79	4.63	3.38	4.54	3.69	5.46	4.08	11.07	4.03	3.76
4	3.30	3.46	5.01	3.55	3.40	6.41	3.24	5.33	4.28	9.43	4.75	3.49
5	3.14	3.03	4.58	2.38	5.20	5.29	3.69	4.32	4.52	8.83	4.88	3.76
6	2.20	2.96	4.35	3.33	4.78	5.57	3.63	6.80	6.82	8.09	5.11	3.99
7	2.63	3.67	4.13	3.34	3.97	7.44	3.97	10.32	8.80	8.08	6.18	3.99
8	3.15	3.94	2.32	3.84	4.72	9.82	5.40	20.33	8.50	6.69	7.14	3.99
9	3.13	3.64	3.56	3.70	2.47	9.63	7.82	21.47	7.07	6.42	6.05	3.99
10	3.33	4.25	4.61	3.59	3.72	9.52	8.93	19.71	5.18	6.89	4.66	3.98
11	2.27	4.50	4.34	3.06	4.50	9.47	4.52	12.93	4.17	6.20	4.22	3.98
12	2.48	5.93	5.31	2.73	4.07	9.45	5.25	9.47	4.62	7.13	4.38	3.97
13	2.16	9.04	5.51	3.70	4.66	8.83	4.16	7.46	5.10	6.39	4.38	3.97
14	2.63	5.95	3.26	3.76	5.15	6.28	3.62	6.82	5.46	5.76	4.38	3.97
15	2.59	5.11	4.07	4.24	3.33	4.31	3.94	6.84	7.99	4.78	4.38	3.67
16	3.13	2.81	3.53	3.37	2.42	4.51	4.27	6.85	7.51	6.55	4.71	3.47
17	2.77	2.25	4.98	4.18	4.70	6.36	4.27	7.02	8.17	7.52	4.82	3.47
18	3.16	4.20	4.85	4.01	3.35	6.42	3.80	8.68	12.58	6.03	4.86	3.46
19	2.34	5.82	4.57	2.38	3.29	5.16	3.32	9.11	15.02	6.24	4.82	3.46
20	2.14	4.97	5.12	3.20	2.91	6.34	2.97	9.58	15.31	6.36	4.58	3.46
21	2.44	4.53	5.01	3.35	3.75	7.24	3.93	9.54	15.09	4.74	4.36	3.46
22	2.99	4.50	2.83	3.30	3.91	8.72	4.29	9.65	12.30	4.01	4.62	3.46
23	3.10	2.88	5.31	4.18	4.32	8.69	4.28	7.88	7.33	4.30	4.79	3.77
24	3.10	2.26	5.09	4.70	7.39	7.04	4.27	6.85	6.74	6.11	4.79	3.98
25	3.04	4.59	5.75	3.80	9.44	5.68	4.56	6.81	6.74	5.05	4.51	3.97
26	3.02	5.65	9.79	4.40	9.43	4.29	4.45	6.47	6.92	4.54	3.97	3.97
27	2.15	5.98	10.97	3.66	9.44	3.99	6.45	6.05	7.29	4.52	3.68	3.96
28	2.60	4.26	10.65	3.52	6.42	4.43	6.36	6.04	7.43	4.50	3.80	3.98
29	3.02	4.15	6.84	3.20	---	3.11	6.36	6.05	5.71	4.23	3.99	3.97
30	3.56	3.09	5.06	3.30	---	2.42	6.34	5.17	4.41	4.49	3.99	3.96
31	3.56	---	4.87	3.68	---	3.97	---	3.03	---	4.49	3.99	---
MEAN	2.87	4.19	5.08	3.67	4.65	6.28	4.68	8.54	7.41	6.50	4.64	3.81
MAX	3.56	9.04	10.97	5.05	9.44	9.82	8.93	21.47	15.31	12.81	7.14	3.99
MIN	2.14	2.18	2.29	2.38	2.42	2.42	2.97	3.03	3.18	4.01	3.68	3.46

APALACHICOLA RIVER BASIN
2003 Water Year

02340250 FLAT SHOAL CREEK AT GA 18, NEAR WEST POINT, GA

LOCATION.—Lat 32°52'53", long 85°04'41" referenced to North American Datum (NAD) of 1927, Troup County, Hydrologic Unit 03130002, at GA 18, 5.0 miles east of Interstate 85, near West Point.

DRAINAGE AREA.—204 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1948 to 1949, 1961, 1969, 1971, 1981, 1984 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 566.00 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but it not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—

STAGE: 35.0 feet (estimated), May 8, 2003
DISCHARGE: 17,700 cfs (estimated), May 8, 2003

MAXIMUM FOR CURRENT YEAR.—

STAGE: 35.0 feet (estimated), May 8
DISCHARGE: 17,700 cfs (estimated), May 8

APALACHICOLA RIVER BASIN
2003 Water Year

02340282 HOUSE CREEK AT GA 103, NEAR WHITESVILLE, GA

LOCATION.—Lat 32°47'46", long 85°06'09" referenced to North American Datum (NAD) of 1983, Harris County, Hydrologic Unit 03130002, at bridge crossing on GA 92, and 3.0 miles above mouth.

DRAINAGE AREA.—30.0 square miles.

COOPERATION.—U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---March 2003 to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
MAR													
12...	1430	9	80020	2.87	42	10	15	749	9.3	93	6.5	36	14.8
SEP													
16...	1330	9	80020	--	16	10	14	755	9.1	100	7.0	35	19.7

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)
MAR													
12...	1.89	2.1	.16	<.04	.43	<.008	<.02	.06	.026	.59	.5	<.1	.5
SEP													
16...	2.80	.6	E.10n	<.04	.30	<.008	<.18d	.06	.013	--	.7	<.1	.7

Date	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)
MAR													
12...	1.2	80	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007
SEP													
16...	1.1	440	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007

02340282 HOUSE CREEK AT GA 103, NEAR WHITESVILLE, GA---continued.

Date	Azinphos-methyl oxon, water, fltrd, ug/L (61635)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)
MAR													
12...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.04	<.005
SEP													
16...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005

Date	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)
MAR													
12...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
SEP													
16...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002

Date	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methidathion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)
MAR													
12...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
SEP													
16...	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008

1

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)
MAR													
12...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005	<.02	<.07	<.02	<.01
SEP													
16...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005	<.02	<.07	<.02	<.01

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
MAR						
12...	<.009	<.01	50	42	15.00	3045
SEP						
16...	<.009	<.01	57	14	15.00	3045

02340282 HOUSE CREEK AT GA 103, NEAR WHITESVILLE, GA---continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
APR								
29...	1100	D	8.0	81	88.80	.9	1.2	280

Remark codes used in this report:
   < -- Less than
   E -- Estimated value

Value qualifier codes used in this report:
   d -- Diluted sample: method hi range exceeded
   n -- Below the NDV

APALACHICOLA RIVER BASIN
2003 Water Year

02341000 LAKE HARDING NEAR COLUMBUS, GA

LOCATION.—Lat 32°39'46", long 85°05'27" referenced to North American Datum (NAD) of 1927, Harris County, Hydrologic Unit 03130002, at forebay of dam on Chattahoochee River, 3.3 miles upstream from Mulberry Creek, 15.0 miles northwest of Columbus, and at mile 178.0.

REMARKS.—Water levels are provided by the U.S. Army Corps of Engineers, Mobile District. Please see the following Internet location for more information:

http://water.sam.usace.army.mil/

02341220 MULBERRY CREEK NEAR MULBERRY GROVE, GA

LOCATION.—Lat 32°42'11", long 84°57'29" referenced to North American Datum (NAD) of 1927, Harris County, Hydrologic Unit 03130002, at county bridge on Hamilton-Mulberry Grove Road, near Mulberry Grove.

DRAINAGE AREA.—190 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1984 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 490.00 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but it not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

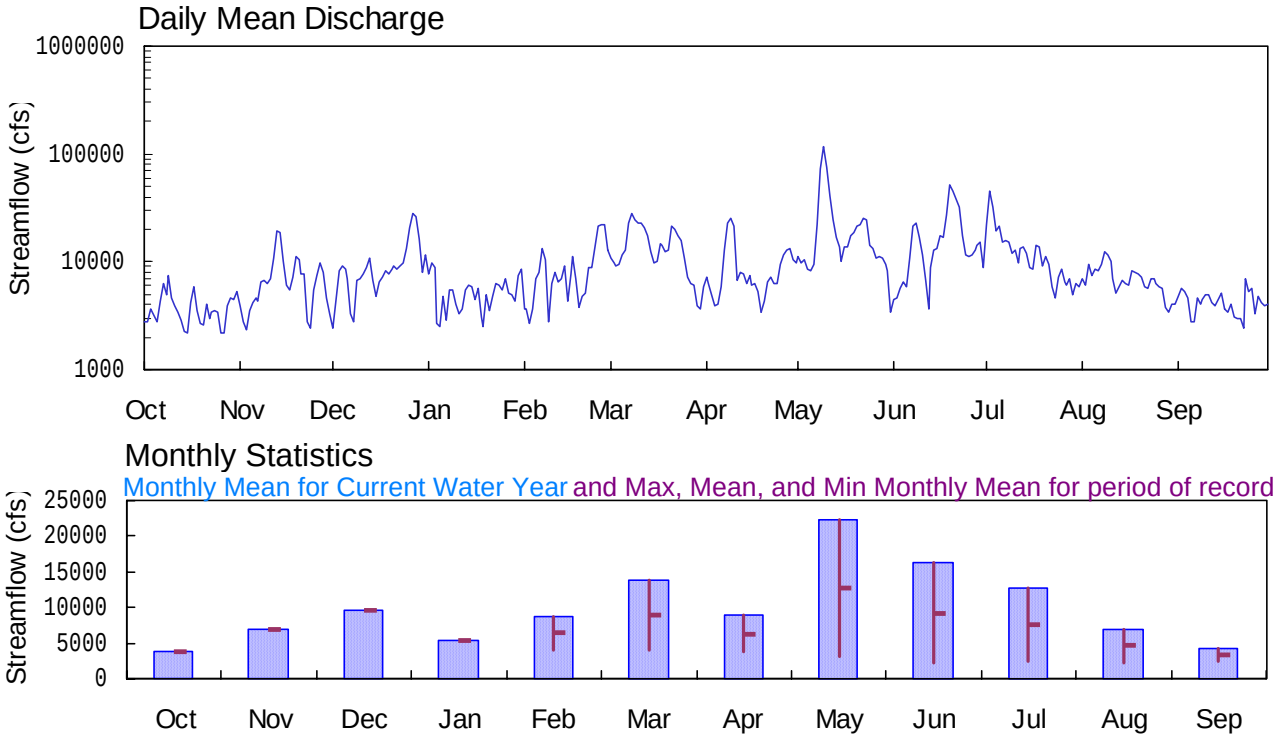
MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 27.74 feet, March 17, 1990
DISCHARGE: 21,000 cfs, March 17, 1990

MAXIMUM FOR CURRENT YEAR.—
STAGE: 18.50 feet, May 22
DISCHARGE: 5,030 cfs, May 22

2003 Water Year

02341505 CHATTAHOOCHEE RIVER AT US 280, NEAR COLUMBUS, GA

Latitude: 32°27'11" Longitude: 084°59'43" Hydrologic Unit Code: 03130003 Muscogee County
Drainage Area: 4670. mi^2 Datum: 183.1 feet



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2003 Water Year

02341505 CHATTAHOOCHEE RIVER AT GA 280, NEAR COLUMBUS, GA

LOCATION.—Lat 32°27'11", long 84°59'43" referenced to North American Datum (NAD) of 1927, Muscogee County, Hydrologic Unit 03130003, on downstream side of bridge on US 280.

DRAINAGE AREA.—4,670 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 18, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and an acoustic velocity meter. Datum of gage is 183.14 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records fair. Flow regulated by Lake Sidney Lanier since January 1956, West Point Lake since October 1974, and by Lake Harding since 1929.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1, 1994 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and an acoustic velocity meter. Datum of gage is 183.14 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good. Water-stage records prior to the 2001 water year are unpublished, but are available upon request.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 39.95 feet, May 9; minimum gage-height recorded, 2.20 feet, October 4.

WATER-VELOCITY RECORDS

PERIOD OF RECORD.—January 18, 2002 to current year.

GAGE.—Acoustic velocity meter. Data represents the average water velocity at the downstream cross-section of the bridge with positive values in the downstream direction.

REMARKS.—Records fair.

02341505 CHATTAHOOCHEE RIVER AT GA 280, NEAR COLUMBUS, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—January 18, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02341505 CHATTAHOOCHEE RIVER AT US 280, NEAR COLUMBUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 215
LATITUDE 322711 LONGITUDE 0845943 NAD27 DRAINAGE AREA 4670.00* CONTRIBUTING DRAINAGE AREA DATUM 183.14 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2750	3920	2410	7810	3660	10800	7100	11100	4410	21800	6970	4850
2	2730	2740	4440	9810	3590	9720	6370	9930	4700	45100	6100	5630
3	3610	2360	8250	8780	2680	8990	4890	10500	5590	32300	9470	5220
4	3210	3550	9040	2650	3600	9290	3960	8560	6400	19100	7380	4580
5	2800	4220	8620	2520	6890	11400	4080	8160	5880	21200	8660	2780
6	4260	4610	7040	4810	8040	13000	5850	9430	10900	15300	8140	2800
7	6240	4350	3300	2860	13100	23000	12800	22200	21500	15700	9530	4670
8	4890	6480	2780	5460	10400	27700	22600	72000	23200	15100	12400	3980
9	7330	6800	6770	5490	2790	24800	25200	118000	17000	12100	11500	4410
10	4560	6360	7020	4100	6220	22500	21300	75300	11800	12700	10200	4870
11	3860	6930	7580	3260	8080	22600	6630	40800	6770	9780	7030	4870
12	3400	10800	8910	3590	6490	20700	8080	24700	3650	13400	5050	4200
13	2910	19300	10800	5450	6940	17600	7760	16600	8690	13900	5940	3870
14	2290	18600	6630	6000	9170	12200	6250	13700	12900	11900	6810	4480
15	2190	10100	4780	5810	4320	9660	7350	10200	13300	8950	6270	5170
16	4130	5980	6500	4460	7730	10200	6170	13900	17400	8560	6120	3660
17	5780	5570	7220	5760	11400	14500	6260	13600	17000	14300	8330	3400
18	3550	7230	8130	3080	6900	14200	5350	17400	27500	13800	8100	4030
19	2720	11000	e7830	2510	3810	12600	3370	18700	51300	9120	7620	3030
20	2560	10500	e8400	5000	4770	12900	4260	21600	44500	11100	7230	3000
21	4010	7710	e9220	3480	5120	21500	6390	21800	37900	9610	5880	3010
22	2970	7630	e8640	4840	8880	19800	7080	25500	32700	5790	5580	2390
23	3380	2820	e9130	6250	8870	17200	6190	24200	17400	4650	6990	6900
24	3550	2410	e9790	6170	13900	15600	6180	14300	11400	7200	6980	5250
25	3380	5570	e13400	5560	21300	10900	9330	13300	11100	8420	6330	5730
26	2210	7390	e21000	6900	22200	7100	11700	11000	11500	6540	5860	3350
27	2220	9630	27700	5130	22300	6340	12900	11200	12900	5990	5630	4860
28	3920	7950	26700	5000	13000	6110	13400	11000	14400	6940	3750	4140
29	4580	4550	16500	4370	---	3970	10500	9410	15300	5020	3460	3890
30	4480	3270	7970	7550	---	3640	9910	8120	8760	6310	4050	3990
31	5300	---	11600	8590	---	5780	---	3360	---	5810	3980	---
TOTAL	115770	210330	298100	163050	246150	426300	269210	689570	487750	397490	217340	127010
MEAN	3735	7011	9616	5260	8791	13750	8974	22240	16260	12820	7011	4234
MAX	7330	19300	27700	9810	22300	27700	25200	118000	51300	45100	12400	6900
MIN	2190	2360	2410	2510	2680	3640	3370	3360	3650	4650	3460	2390
CFSM	0.80	1.50	2.06	1.13	1.88	2.94	1.92	4.76	3.48	2.75	1.50	0.91
IN.	0.92	1.68	2.37	1.30	1.96	3.40	2.14	5.49	3.89	3.17	1.73	1.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	3735	7011	9616	5260	6411	8913	6331	12640	9210	7603	4626	3310
MAX	3735	7011	9616	5260	8791	13750	8974	22240	16260	12820	7011	4234
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	3735	7011	9616	5260	4032	4074	3689	3043	2161	2383	2242	2387
(WY)	2003	2003	2003	2003	2002	2002	2002	2002	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	3648070			
ANNUAL MEAN	9995		9995	
HIGHEST ANNUAL MEAN			9995	2003
LOWEST ANNUAL MEAN			9995	2003
HIGHEST DAILY MEAN	118000	May 9	118000	May 9 2003
LOWEST DAILY MEAN	2190	Oct 15	1240	May 19 2002
ANNUAL SEVEN-DAY MINIMUM	3090	Oct 22	1530	Jun 15 2002
MAXIMUM PEAK FLOW	150000	May 9	150000	May 9 2003
MAXIMUM PEAK STAGE	39.95	May 9	39.95	May 9 2003
ANNUAL RUNOFF (CFSM)	2.14		2.14	
ANNUAL RUNOFF (INCHES)	29.06		29.08	
10 PERCENT EXCEEDS	20800		20800	
50 PERCENT EXCEEDS	7040		7040	
90 PERCENT EXCEEDS	3370		3370	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02341505 CHATTAHOOCHEE RIVER AT US 280, NEAR COLUMBUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 215
LATITUDE 322711 LONGITUDE 0845943 NAD27 DRAINAGE AREA 4670.00* CONTRIBUTING DRAINAGE AREA DATUM 183.14 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.86	4.72	5.46	7.57	6.83	9.03	7.11	8.99	7.27	14.07	7.42	6.96
2	2.86	4.47	5.87	8.15	6.67	8.26	7.07	8.66	7.41	24.37	6.97	7.17
3	3.13	4.47	6.79	8.04	6.37	7.34	6.80	8.97	7.82	21.52	8.32	7.06
4	3.07	4.75	7.03	6.21	6.32	7.02	6.52	8.31	7.97	14.76	7.89	6.91
5	2.89	4.94	7.11	6.12	7.06	8.08	6.41	8.38	7.68	14.59	8.46	6.40
6	3.16	5.11	6.79	6.51	7.42	9.07	6.83	8.59	9.25	12.26	8.55	6.41
7	3.90	5.17	6.00	6.03	9.55	14.24	9.49	13.04	14.46	12.08	8.86	6.86
8	3.68	5.85	5.77	6.56	9.09	17.46	14.47	24.89	15.51	11.72	9.78	6.67
9	4.50	5.94	6.71	6.57	6.87	15.68	15.46	38.53	13.24	10.20	9.37	6.68
10	3.76	6.07	6.81	6.15	7.73	14.33	14.21	33.31	10.25	10.27	8.48	6.76
11	3.52	6.58	7.12	5.89	8.20	14.14	8.16	25.05	8.04	9.26	6.96	6.80
12	3.35	8.34	7.58	5.87	7.76	13.27	7.59	17.36	7.20	10.31	6.28	6.59
13	3.27	11.10	8.43	6.42	7.75	11.84	6.97	12.43	8.50	11.11	6.57	6.53
14	3.18	11.51	7.45	6.64	8.29	9.42	6.50	10.76	10.78	10.68	7.00	6.68
15	3.38	8.73	6.95	6.51	6.73	8.37	7.07	8.88	11.16	9.21	6.95	6.77
16	3.80	7.06	7.38	6.35	8.17	8.61	6.97	10.61	12.69	8.73	6.94	6.36
17	4.17	6.84	7.41	6.43	9.52	10.16	7.17	10.71	12.39	10.87	7.83	6.24
18	3.78	7.22	7.63	5.77	8.34	10.93	6.94	12.17	15.93	10.76	7.85	6.36
19	3.72	8.25	7.47	5.52	7.02	9.83	6.31	13.02	25.60	8.96	7.83	6.07
20	3.75	8.20	8.36	6.21	6.75	10.57	6.79	14.38	24.51	9.58	7.58	6.01
21	4.08	7.30	8.10	5.85	6.67	13.53	7.39	14.43	22.50	9.20	7.18	6.07
22	3.86	7.14	7.38	6.10	8.90	13.56	7.54	17.02	20.50	8.03	7.11	6.07
23	3.97	6.10	7.82	6.33	8.96	12.00	7.41	16.91	14.01	7.67	7.52	7.29
24	4.12	5.89	9.82	6.51	10.11	10.90	7.64	12.23	10.02	8.28	7.69	6.87
25	4.19	6.46	11.10	6.48	13.23	9.19	9.04	11.04	9.62	8.71	7.67	7.09
26	4.06	6.89	14.53	6.87	13.72	7.41	10.31	9.58	9.82	8.23	7.47	6.48
27	4.13	7.38	15.24	6.39	14.26	7.01	10.21	9.72	10.29	7.97	7.50	6.83
28	4.56	7.19	15.26	6.50	10.70	6.93	10.24	9.60	11.11	8.33	6.97	6.55
29	4.85	6.19	11.56	6.43	---	6.12	9.03	9.04	11.59	7.74	6.83	6.49
30	4.92	5.81	7.00	7.49	---	6.15	8.67	8.80	9.39	7.61	6.76	6.45
31	5.01	---	8.55	8.11	---	6.80	---	7.26	---	7.17	6.75	---
MEAN	3.79	6.72	8.27	6.53	8.54	10.23	8.41	13.63	12.22	10.78	7.59	6.62
MAX	5.01	11.51	15.26	8.15	14.26	17.46	15.46	38.53	25.60	24.37	9.78	7.29
MIN	2.86	4.47	5.46	5.52	6.32	6.12	6.31	7.26	7.20	7.17	6.28	6.01

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02341505 CHATTAHOOCHEE RIVER AT US 280, NEAR COLUMBUS, GA SOURCE AGENCY USGS STATE 13 COUNTY 215
LATITUDE 322711 LONGITUDE 0845943 NAD27 DRAINAGE AREA 4670.00* CONTRIBUTING DRAINAGE AREA DATUM 183.14 NGVD29

APPROVED

Stream velocity, feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.90	1.05	0.59	1.61	0.80	2.01	1.55	2.10	0.94	2.82	1.40	1.03
2	0.89	0.77	1.06	1.91	0.80	1.90	1.39	1.92	0.98	3.80	1.33	1.19
3	1.10	0.66	1.89	1.74	0.62	1.89	1.06	2.01	1.13	3.02	1.90	1.09
4	1.01	0.96	2.02	0.63	0.83	2.06	0.88	1.69	1.30	2.49	1.51	0.96
5	0.94	1.13	1.89	0.60	1.49	2.32	0.95	1.62	1.22	2.80	1.66	0.62
6	1.34	1.19	1.56	1.08	1.70	2.40	1.31	1.83	1.95	2.31	1.60	0.63
7	1.78	1.09	0.79	0.64	2.34	2.97	2.08	3.20	2.87	2.39	1.82	1.02
8	1.40	1.54	0.68	1.24	1.91	3.14	3.00	5.44	2.91	2.36	2.22	0.89
9	1.98	1.62	1.49	1.27	0.62	3.08	3.16	6.08	2.41	2.10	2.12	0.99
10	1.28	1.50	1.54	0.91	1.23	3.02	2.88	4.53	2.03	2.20	2.03	1.09
11	1.15	1.57	1.65	0.78	1.53	3.07	1.30	3.27	1.35	1.82	1.59	1.06
12	1.09	2.06	1.83	0.86	1.26	2.93	1.67	2.78	0.75	2.31	1.17	0.92
13	0.95	3.13	2.12	1.12	1.40	2.72	1.76	2.48	1.67	2.27	1.34	0.85
14	0.74	2.93	1.39	1.24	1.77	2.21	1.46	2.29	2.16	2.00	1.45	0.97
15	0.71	1.78	1.03	1.28	0.99	1.93	1.61	1.95	2.17	1.66	1.37	1.14
16	1.23	1.29	1.37	0.96	1.48	1.96	1.33	2.36	2.55	1.59	1.33	0.84
17	1.68	1.24	1.49	1.27	2.05	2.50	1.30	2.28	2.54	2.37	1.69	0.79
18	1.08	1.55	1.68	0.75	1.33	2.35	1.15	2.63	3.26	2.30	1.64	0.91
19	0.82	2.22	---	0.64	0.80	2.24	0.79	2.68	4.12	1.73	1.58	0.71
20	0.76	2.11	---	1.17	1.03	2.19	0.88	2.89	3.73	2.00	1.52	0.70
21	1.13	1.69	---	0.84	1.12	2.94	1.33	2.90	3.44	1.79	1.24	0.70
22	0.90	1.70	---	1.09	1.57	2.76	1.43	2.95	3.21	1.15	1.20	0.56
23	0.99	0.67	---	1.36	1.64	2.64	1.28	2.81	2.33	0.93	1.41	1.41
24	1.03	0.58	---	1.40	2.35	2.59	1.22	2.15	2.01	1.31	1.41	1.14
25	0.97	1.25	---	1.25	3.03	1.98	1.66	2.18	2.01	1.63	1.25	1.19
26	0.66	1.55	---	1.50	3.08	1.43	1.99	2.00	2.06	1.30	1.20	0.74
27	0.65	2.00	3.51	1.16	3.01	1.31	2.25	2.02	2.23	1.24	1.14	1.02
28	1.08	1.71	3.38	1.11	2.17	1.30	2.32	2.00	2.36	1.38	0.79	0.92
29	1.23	1.08	2.52	0.98	---	0.96	1.99	1.77	2.41	1.00	0.74	0.86
30	1.15	0.80	1.70	1.56	---	0.84	1.93	1.51	1.56	1.34	0.89	0.89
31	1.38	---	2.27	1.66	---	1.26	---	0.72	---	1.22	0.87	---
MEAN	1.10	1.48	---	1.15	1.57	2.22	1.63	2.55	2.19	1.96	1.43	0.93
MAX	1.98	3.13	---	1.91	3.08	3.14	3.16	6.08	4.12	3.80	2.22	1.41
MIN	0.65	0.58	---	0.60	0.62	0.84	0.79	0.72	0.75	0.93	0.74	0.56

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02341505 CHATTAHOOCHEE RIVER AT US 280, NEAR COLUMBUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 215
LATITUDE 322711 LONGITUDE 0845943 NAD27 DRAINAGE AREA 4670.00* CONTRIBUTING DRAINAGE AREA DATUM 183.14 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.10	0.00	---	0.00	0.27	0.00	1.06	0.00	0.00
2	0.00	0.00	0.00	0.01	0.00	---	0.00	0.11	0.00	0.00	0.27	0.02
3	0.00	0.00	0.00	0.00	0.00	---	0.00	0.11	1.32	0.00	0.03	0.00
4	0.06	0.27	0.00	0.00	0.42	---	0.20	0.00	0.00	0.00	0.15	0.01
5	0.00	0.19	0.35	0.00	0.00	---	0.23	0.00	0.00	0.02	0.56	0.08
6	0.01	0.05	0.00	0.00	0.44	---	0.01	0.00	0.39	0.00	0.09	0.01
7	0.10	0.00	0.00	0.00	0.63	---	1.28	0.00	0.83	0.00	0.02	0.01
8	0.00	0.00	0.00	0.00	0.00	---	0.49	0.00	0.07	0.00	0.00	0.00
9	0.00	0.01	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.29	---	0.00	0.23	---	0.05	0.00	0.00	0.62	0.00	0.00
11	0.00	1.82	---	0.00	0.00	---	0.00	0.61	0.50	0.01	0.00	0.00
12	0.00	0.82	---	0.00	0.00	---	0.00	0.00	0.74	0.91	0.08	0.00
13	1.00	0.00	---	0.00	0.00	0.74	0.00	0.00	0.20	1.97	0.94	0.00
14	0.00	0.00	---	0.00	0.00	0.18	0.00	0.12	1.23	0.01	0.00	0.00
15	1.39	0.05	---	0.00	---	0.58	0.00	0.45	0.02	0.07	0.00	0.00
16	0.00	0.69	0.00	0.13	---	0.01	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.01	---	0.41	0.01	0.00	0.13	0.03	0.00	0.00
18	0.00	0.00	0.00	0.00	---	0.03	0.00	0.47	0.35	0.00	0.04	0.00
19	0.00	0.00	---	0.00	---	0.24	0.00	0.09	0.04	0.00	0.46	0.00
20	0.19	0.02	---	0.00	---	0.47	0.01	0.00	0.06	0.00	0.21	0.00
21	0.25	0.01	---	0.00	---	0.00	0.13	0.71	0.00	0.48	0.01	0.03
22	0.05	0.00	---	0.40	---	0.00	0.00	1.03	0.00	0.05	0.02	1.20
23	0.09	0.00	---	0.00	---	0.00	0.00	0.00	0.00	0.95	0.00	0.00
24	0.24	0.00	---	0.00	---	0.00	0.66	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	---	0.00	---	0.00	1.51	0.00	0.00	0.00	0.00	0.00
26	0.17	0.00	---	0.00	---	0.00	0.00	0.01	0.00	0.02	0.00	0.00
27	0.27	0.00	0.00	0.00	---	0.00	0.00	0.00	0.16	0.00	0.20	0.00
28	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.24	1.26	0.00	0.00
29	0.09	0.00	0.00	0.19	---	0.03	0.00	0.00	0.86	0.00	0.16	0.00
30	0.00	0.00	0.00	1.10	---	0.36	0.00	0.00	0.21	0.00	0.00	0.00
31	0.00	---	0.53	0.00	---	0.00	---	0.03	---	0.05	0.00	---
TOTAL	3.91	4.22	---	1.94	---	---	4.58	4.01	7.35	7.51	3.24	1.36

APALACHICOLA RIVER BASIN
2003 Water Year

02341600 JUNIPER CREEK NEAR GENEVA, GA

LOCATION.—Lat 32°31'41", long 84°34'14" referenced to North American Datum (NAD) of 1927, Talbot-Marion County line, Hydrologic Unit 03130003, at GA 41, 1.8 miles south of Geneva.

DRAINAGE AREA.—47.4 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1963 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 373.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 11.78 feet, March 17, 1990
DISCHARGE: 4,300 cfs, March 17, 1990

MAXIMUM FOR CURRENT YEAR.—
STAGE: 6.62 feet, May 8
DISCHARGE: 568 cfs, May 8

APALACHICOLA RIVER BASIN
2003 Water Year

02341723 PINE KNOT CREEK AT GA 355, NEAR JUNIPER, GA

LOCATION.—Lat 32°26'14", long 84°39'25" referenced to North American Datum (NAD) of 1927, Marion County, Hydrologic Unit 03130003, at GA 355, 8.0 miles south of Juniper.

DRAINAGE AREA.—31.3 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1979 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 330.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

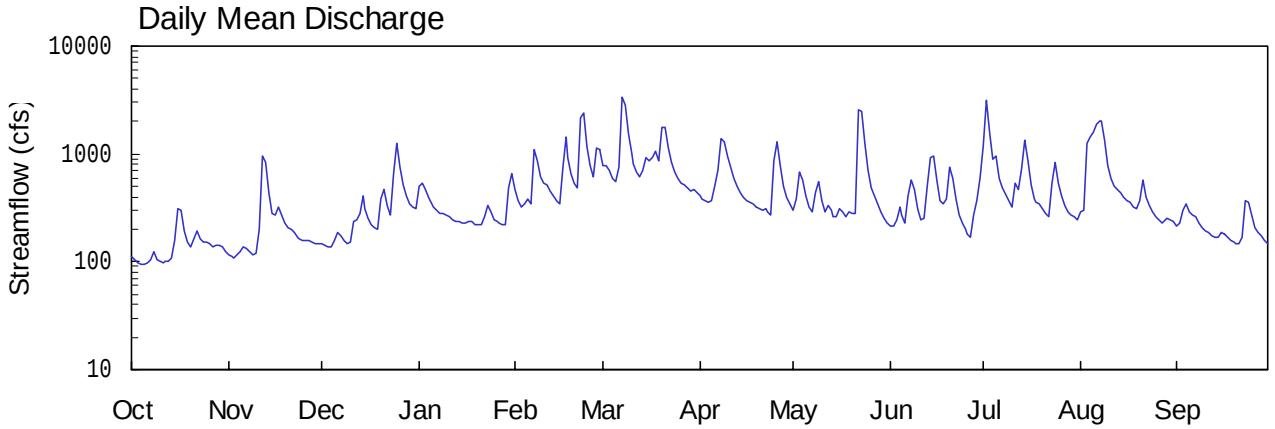
MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 9.43 feet, March 17, 1990
DISCHARGE: 1,960 cfs, March 17, 1990

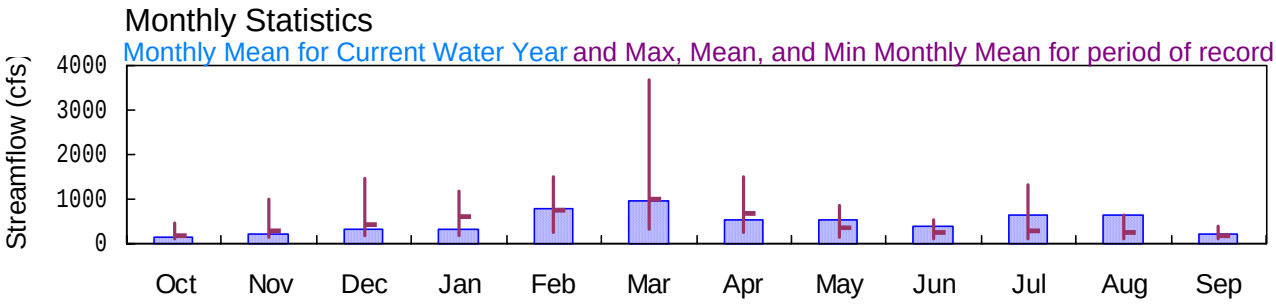
MAXIMUM FOR CURRENT YEAR.—
STAGE: unknown, March 7
DISCHARGE: unknown, March 7

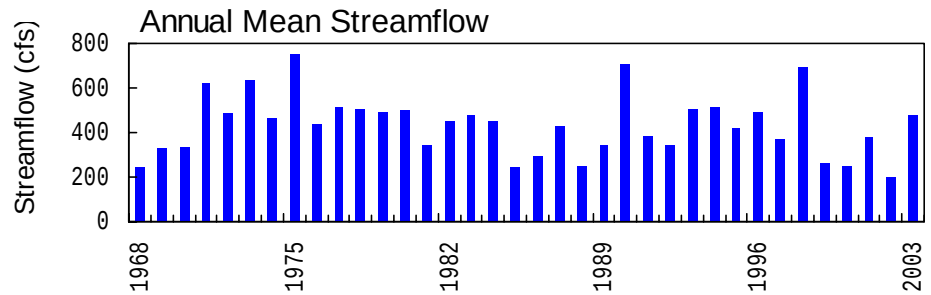
2003 Water Year

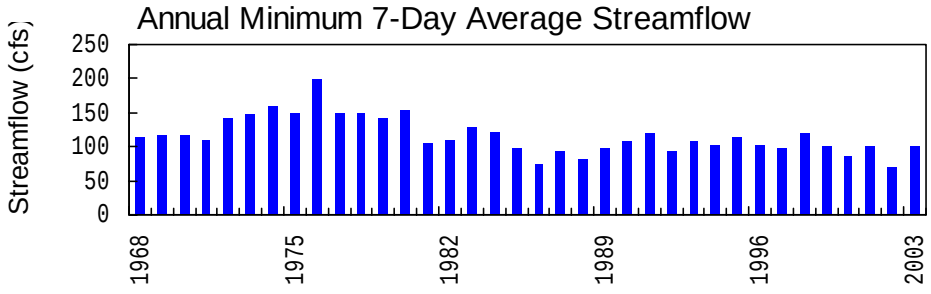
02341800 UPATOI CREEK NEAR COLUMBUS, GA

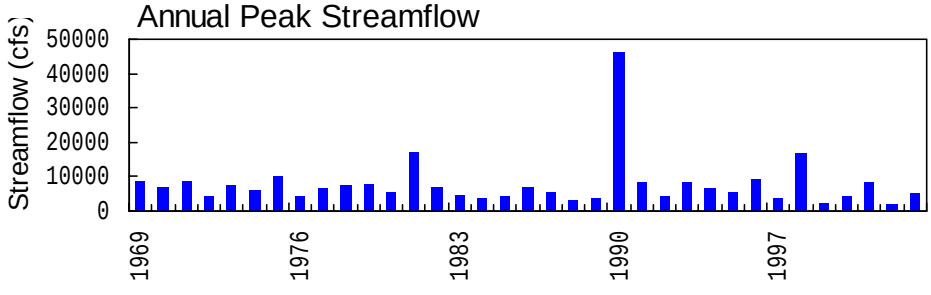
Latitude: 32°24'48" Longitude: 084°49'12" Hydrologic Unit Code: 03130003 Chattahoochee County
Drainage Area: 342 mi² Datum: 230.0 feet

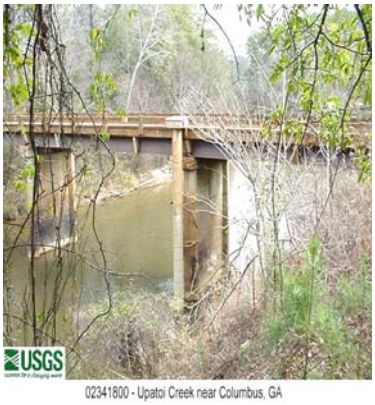












APALACHICOLA RIVER BASIN
2003 Water Year

02341800 UPATOI CREEK NEAR COLUMBUS, GA

LOCATION.—Lat 32°24'48", long 84°49'12" referenced to North American Datum (NAD) of 1927, Muscogee-Chattahoochee County line, Hydrologic Unit 03130003, at downstream side of pier near left end of bridge on Red Arrow Road at Fort Benning, 2.0 miles downstream from Randall Creek, 2.0 miles upstream from Ochillee Creek, 8.0 miles southeast of Columbus, and 12.0 miles upstream from mouth.

DRAINAGE AREA.—342 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1968 to current year.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 230.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 3,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
02/22	1715	4,290	10.94
03/07	1545	5,150*	11.90*
05/22	2000	4,180	10.81
07/02	0415	3,790	10.34

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1968 to current year.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 230.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.90 feet, March 7; minimum gage-height recorded, 3.44 feet, October 4-6.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02341800 UPATOI CREEK NEAR COLUMBUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 053
LATITUDE 322448 LONGITUDE 0844912 NAD27 DRAINAGE AREA 342 CONTRIBUTING DRAINAGE AREA 342* DATUM 230.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110	116	147	502	475	789	405	301	216	1170	292	213
2	105	111	140	539	372	774	379	384	212	3160	301	226
3	99	110	136	463	327	695	364	676	248	1610	1240	301
4	95	114	136	395	344	591	353	578	322	894	1450	349
5	96	126	156	343	375	557	363	408	269	941	1590	290
6	96	137	186	321	345	745	500	326	228	595	1900	274
7	106	131	174	298	1100	3370	711	286	413	479	2030	259
8	122	122	158	284	860	2820	1400	442	583	429	2010	231
9	106	116	149	276	609	1540	1320	546	470	367	1320	208
10	101	121	151	273	543	1030	955	365	311	318	789	193
11	99	198	238	260	522	807	750	290	243	535	584	184
12	100	952	243	244	451	687	602	333	253	462	500	175
13	101	837	285	237	404	620	502	305	500	721	471	168
14	109	437	408	235	363	701	437	261	920	1340	443	166
15	156	284	314	230	346	937	393	261	951	857	392	184
16	313	268	252	226	744	850	366	314	582	512	370	183
17	296	326	220	237	1410	931	350	287	372	387	354	169
18	191	274	204	236	937	1060	343	260	340	354	324	158
19	153	225	199	223	664	852	326	295	380	348	316	151
20	137	207	386	218	534	1740	312	282	744	309	369	147
21	161	199	466	223	489	1760	304	277	594	284	582	145
22	191	186	333	259	2130	1150	316	2530	377	261	394	168
23	164	170	272	336	2380	822	289	2500	274	527	336	368
24	150	162	662	288	1160	674	267	1240	227	830	292	358
25	154	158	1240	249	781	596	856	696	201	543	261	268
26	146	158	743	236	607	543	1290	489	181	403	245	206
27	137	156	520	230	1130	510	782	404	171	337	230	186
28	143	151	407	220	1100	478	506	342	269	287	243	173
29	143	147	349	219	---	458	394	288	363	270	254	160
30	136	147	324	478	---	461	340	251	602	259	243	149
31	126	---	314	648	---	437	---	226	---	247	233	---
TOTAL	4342	6846	9912	9426	21502	29985	16475	16443	11816	20036	20358	6410
MEAN	140	228	320	304	768	967	549	530	394	646	657	214
MAX	313	952	1240	648	2380	3370	1400	2530	951	3160	2030	368
MIN	95	110	136	218	327	437	267	226	171	247	230	145
CFSM	0.41	0.67	0.93	0.89	2.25	2.83	1.61	1.55	1.15	1.89	1.92	0.62
IN.	0.47	0.74	1.08	1.03	2.34	3.26	1.79	1.79	1.29	2.18	2.21	0.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2003, BY WATER YEAR (WY)

MEAN	195	278	441	623	757	992	662	343	254	278	250	191
MAX	479	986	1460	1170	1498	3678	1513	858	524	1315	657	409
(WY)	1995	1993	1998	1975	1998	1990	1973	1978	1975	1994	2003	1971
MIN	103	144	164	189	254	336	239	148	98.9	92.9	90.0	113
(WY)	1988	1970	1989	1981	2001	1985	1985	2000	1988	1986	2002	1987

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1968 - 2003	
ANNUAL TOTAL	79584		173551			
ANNUAL MEAN	218		475		438	
HIGHEST ANNUAL MEAN					750	1975
LOWEST ANNUAL MEAN					197	2002
HIGHEST DAILY MEAN	1670	Feb 7	3370	Mar 7	31600	Mar 17 1990
LOWEST DAILY MEAN	66	Aug 12	95	Oct 4	66	Aug 12 2002
ANNUAL SEVEN-DAY MINIMUM	71	Aug 7	101	Oct 1	71	Aug 7 2002
MAXIMUM PEAK FLOW			5150	Mar 7	46300	Mar 17 1990
MAXIMUM PEAK STAGE			11.90	Mar 7	32.12	Mar 17 1990
INSTANTANEOUS LOW FLOW			95	Oct 4	64	Aug 12 2002
ANNUAL RUNOFF (CFSM)	0.64		1.39		1.28	
ANNUAL RUNOFF (INCHES)	8.66		18.88		17.42	
10 PERCENT EXCEEDS	391		945		851	
50 PERCENT EXCEEDS	161		324		265	
90 PERCENT EXCEEDS	94		147		129	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02341800 UPATOI CREEK NEAR COLUMBUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 053
LATITUDE 322448 LONGITUDE 0844912 NAD27 DRAINAGE AREA 342 CONTRIBUTING DRAINAGE AREA 342* DATUM 230.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.52	3.55	3.70	4.90	4.83	5.77	4.83	4.49	4.18	6.36	4.46	4.17
2	3.49	3.52	3.67	5.00	4.53	5.74	4.75	4.76	4.16	9.54	4.49	4.21
3	3.46	3.52	3.65	4.80	4.39	5.58	4.70	5.52	4.30	7.21	6.55	4.49
4	3.44	3.54	3.65	4.60	4.44	5.35	4.66	5.31	4.56	5.98	6.96	4.65
5	3.45	3.60	3.74	4.44	4.54	5.27	4.70	4.84	4.38	6.06	7.18	4.45
6	3.45	3.65	3.87	4.37	4.45	5.63	5.11	4.58	4.23	5.35	7.68	4.40
7	3.50	3.62	3.82	4.29	6.22	9.62	5.53	4.44	4.84	5.05	7.88	4.34
8	3.58	3.58	3.75	4.24	5.77	9.04	6.87	4.89	5.33	4.90	7.88	4.24
9	3.50	3.55	3.71	4.22	5.19	7.11	6.73	5.22	5.02	4.71	6.74	4.15
10	3.47	3.57	3.72	4.20	5.02	6.24	6.09	4.70	4.53	4.55	5.77	4.09
11	3.46	3.89	4.07	4.16	4.96	5.81	5.69	4.45	4.28	5.20	5.33	4.05
12	3.47	5.93	4.09	4.10	4.77	5.56	5.37	4.60	4.32	5.00	5.11	4.01
13	3.47	5.71	4.24	4.07	4.62	5.42	5.11	4.50	5.08	5.56	5.02	3.98
14	3.51	4.72	4.64	4.06	4.51	5.59	4.92	4.35	6.03	6.77	4.94	3.97
15	3.73	4.24	4.35	4.04	4.45	6.05	4.79	4.35	6.08	5.90	4.79	4.05
16	4.34	4.18	4.13	4.03	5.39	5.89	4.71	4.54	5.31	5.14	4.72	4.05
17	4.28	4.39	4.01	4.07	6.87	6.04	4.66	4.44	4.73	4.77	4.67	3.99
18	3.89	4.21	3.94	4.07	5.94	6.30	4.63	4.35	4.62	4.67	4.57	3.94
19	3.73	4.03	3.92	4.02	5.32	5.90	4.58	4.47	4.75	4.65	4.54	3.90
20	3.65	3.95	4.55	4.00	4.99	7.43	4.53	4.43	5.59	4.52	4.71	3.89
21	3.76	3.92	4.80	4.02	4.87	7.47	4.50	4.41	5.34	4.43	5.31	3.88
22	3.89	3.87	4.41	4.15	7.70	6.44	4.54	8.41	4.74	4.35	4.79	3.98
23	3.78	3.80	4.20	4.42	8.42	5.84	4.45	8.59	4.40	5.11	4.61	4.71
24	3.71	3.76	5.14	4.26	6.43	5.53	4.37	6.59	4.22	5.86	4.46	4.68
25	3.73	3.75	6.55	4.11	5.71	5.36	5.78	5.58	4.12	5.22	4.35	4.37
26	3.69	3.75	5.51	4.07	5.37	5.23	6.68	5.08	4.04	4.82	4.29	4.14
27	3.65	3.74	4.96	4.04	6.37	5.13	5.75	4.82	3.99	4.61	4.23	4.06
28	3.68	3.72	4.64	4.01	6.35	5.05	5.12	4.63	4.37	4.44	4.28	4.01
29	3.68	3.70	4.46	4.00	---	4.99	4.79	4.45	4.69	4.38	4.33	3.95
30	3.65	3.70	4.38	4.81	---	4.99	4.62	4.31	5.37	4.34	4.29	3.90
31	3.60	---	4.35	5.28	---	4.93	---	4.22	---	4.30	4.25	---
MEAN	3.65	3.96	4.28	4.29	5.44	6.01	5.12	4.98	4.72	5.28	5.26	4.16
MAX	4.34	5.93	6.55	5.28	8.42	9.62	6.87	8.59	6.08	9.54	7.88	4.71
MIN	3.44	3.52	3.65	4.00	4.39	4.93	4.37	4.22	3.99	4.30	4.23	3.88

02341900 OCHILLEE CREEK AT HOURGLASS ROAD, NEAR CUSSETA, GA

LOCATION.—Lat 32°21'53", long 84°49'02" referenced to North American Datum (NAD) of 1927, Chattahoochee County, Hydrologic Unit 03130003, at Hourglass Road, 5.0 miles northwest of Cusseta.

DRAINAGE AREA.—53.3 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1979 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 281.53 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 16.00 feet, March 17, 1990
DISCHARGE: 11,000 cfs, March 17, 1990

MAXIMUM FOR CURRENT YEAR.—
STAGE: 5.52 feet, March 7
DISCHARGE: 518 cfs, March 7

0234296910 CHATTAHOOCHEE RIVER AT COAST GUARD DOCK, AT EUFAULA, AL

LOCATION.—Lat 31°54'29", long 85°08'42" referenced to North American Datum (NAD) of 1927, in SE ¼, Section 29, Township 11 North, Range 29 East, Barbour County, Hydrologic Unit 03130003, at Coast Guard Dock near the mouth of the Chewalla Creek, 1.0 mile north of Eufaula, AL, and at mile 97.8.

DRAINAGE AREA.—6,730 square miles.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1967 to current (elevations only). October 1989 to current year in reports of the U.S. Geological Survey, Alabama District. Data from April 1967 to September 1989 are in the files of the U.S. Army Corps of Engineers, Mobile District.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Gage is in the pool of Walter F. George Reservoir formed by a dam at mile 75.0.

EXTREMES FOR PERIOD SINCE OCTOBER 1989.—Maximum elevation, 195.6 feet, March 18, 1990; minimum elevation, 184.05 feet, June 13, 2000.

EXTREMES FOR CURRENT YEAR.—Maximum elevation, 191.72 feet, May 11; minimum elevation, 185.40 feet, October 1.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 0234296910 CHATTAHOOCHEE RIVER AT COAST GUARD DOCK AT EUFAULA SOURCE AGENCY USGS STATE 01 COUNTY 005
LATITUDE 315429 LONGITUDE 0850842 NAD27 DATUM 0.00 NGVD29

Elevation above NGVD 1929, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185.50	187.28	188.31	188.79	189.27	189.06	188.80	189.32	189.69	190.11	188.75	189.20
2	185.52	187.31	188.24	188.88	189.16	188.41	188.91	189.38	189.69	190.43	188.59	189.19
3	185.54	187.35	188.24	188.96	189.04	187.75	189.00	189.55	189.74	190.47	188.65	189.16
4	185.57	187.41	188.36	188.92	188.87	187.51	188.95	189.65	189.78	190.06	189.04	189.15
5	185.58	187.48	188.48	188.86	188.81	187.52	188.90	189.78	189.71	189.71	189.20	189.16
6	185.56	187.61	188.53	188.77	188.84	187.70	188.90	189.74	189.75	189.82	189.36	189.20
7	185.64	187.68	188.60	188.72	188.99	188.35	189.11	189.55	189.89	189.77	189.20	189.20
8	185.77	187.79	188.53	188.61	189.37	189.48	189.60	189.44	190.17	189.69	188.93	189.22
9	185.87	187.90	188.54	188.63	189.57	189.60	189.76	190.05	190.12	189.63	188.76	189.16
10	185.98	188.12	188.62	188.62	189.58	189.28	189.55	191.26	189.63	189.65	188.49	189.11
11	186.04	188.33	188.77	188.53	189.50	188.78	189.17	191.63	189.54	189.76	188.37	189.07
12	186.06	188.68	188.86	188.49	189.45	188.49	188.59	190.79	189.42	189.80	188.26	189.06
13	186.06	188.61	189.03	188.44	189.40	188.46	188.27	189.75	189.44	189.98	188.29	189.03
14	186.06	188.87	189.19	188.45	189.27	188.35	188.46	189.24	189.83	190.37	188.48	189.02
15	186.13	189.21	189.24	188.47	189.14	188.62	188.64	189.08	190.05	190.22	188.64	189.04
16	186.22	189.08	189.22	188.47	189.14	188.89	188.77	189.36	189.91	189.92	188.73	189.02
17	186.34	189.09	189.11	188.41	189.55	188.97	188.90	189.67	189.94	189.82	188.96	188.95
18	186.42	189.06	189.07	188.38	189.81	189.13	189.03	189.88	190.00	189.85	189.17	188.87
19	186.48	189.01	189.08	188.33	189.35	189.27	189.06	189.90	190.23	189.81	189.34	188.83
20	186.51	188.99	189.26	188.32	188.98	189.54	189.09	189.65	190.59	189.76	189.21	188.77
21	186.58	189.01	189.42	188.34	188.73	189.56	189.18	189.41	190.23	189.90	189.11	188.79
22	186.63	188.97	189.36	188.32	188.65	189.49	189.23	189.49	190.07	189.96	189.13	188.80
23	186.68	188.87	189.05	188.29	189.12	189.10	189.30	190.03	189.94	189.74	189.15	188.84
24	186.81	188.71	189.21	188.38	189.07	188.75	189.36	190.09	189.84	189.55	189.34	188.99
25	186.92	188.61	189.73	188.45	189.10	188.83	189.67	189.66	189.82	189.79	189.48	189.07
26	186.99	188.50	189.82	188.47	189.29	188.75	189.97	189.57	189.83	190.03	189.54	189.09
27	187.07	188.44	189.56	188.58	189.57	188.68	189.43	189.65	189.80	190.13	189.56	189.05
28	187.14	188.53	189.30	188.67	189.50	188.65	189.38	189.70	189.93	190.15	189.52	189.04
29	187.26	188.53	188.95	188.77	---	188.65	189.37	189.76	190.01	189.91	189.43	189.01
30	187.31	188.45	188.42	188.91	---	188.69	189.39	189.82	190.12	189.40	189.28	188.95
31	187.33	---	188.56	189.15	---	188.75	---	189.72	---	188.93	189.25	---
MEAN	186.31	188.38	188.92	188.59	189.22	188.74	189.12	189.79	189.89	189.87	189.01	189.03
MAX	187.33	189.21	189.82	189.15	189.81	189.60	189.97	191.63	190.59	190.47	189.56	189.22
MIN	185.50	187.28	188.24	188.29	188.65	187.51	188.27	189.08	189.42	188.93	188.26	188.77

APALACHICOLA RIVER BASIN
2003 Water Year

02343219 BLUFF SPRINGS BRANCH AT GA 27, NEAR LUMPKIN, GA

LOCATION.—Lat 32°01'53", long 84°53'18" referenced to North American Datum (NAD) of 1927, Stewart County, Hydrologic Unit 03130003, at culvert on GA 27, 5.8 miles southwest of Lumpkin.

DRAINAGE AREA.—2.98 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1977 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 390.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 4.70 feet, March 17, 1990
DISCHARGE: 568 cfs, March 17, 1990

MAXIMUM FOR CURRENT YEAR.—
STAGE: 2.11 feet, June 6
DISCHARGE: 142 cfs, June 6

02343240 WALTER F. GEORGE RESERVOIR NEAR FORT GAINES, GA

LOCATION.--Lat 31°37'27", long 85°04'03" referenced to North American Datum (NAD) of 1927, Clay County, Hydrologic Unit 03130003, at forebay of dam on Chattahoochee River, 1.6 miles upstream from bridge on GA 37, 1.0 mile north of Fort Gaines, and at mile 75.0.

REMARKS.-- Water levels are provided by the U.S. Army Corps of Engineers, Mobile District. Please see the following Internet location for more information:

http://water.sam.usace.army.mil/

APALACHICOLA RIVER BASIN
2003 Water Year

02343244 CEMOCHECHOBEE CREEK NEAR COLEMAN, GA

LOCATION.—Lat 31°39'12", long 84°53'02" referenced to North American Datum (NAD) of 1927, Randolph County, Hydrologic Unit 03130004, at County Road bridge 1576, 1.5 miles south of Coleman.

DRAINAGE AREA.—15.3 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1984 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 255.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 11.84 feet, July 4, 1994
DISCHARGE: 5,160 cfs, July 4, 1994

MAXIMUM FOR CURRENT YEAR.—
STAGE: 3.98 feet, December 25
DISCHARGE: 136 cfs, December 25

APALACHICOLA RIVER BASIN
2003 Water Year

02343267 TEMPLE CREEK AT GA 39, NEAR BLAKELY, GA

LOCATION.—Lat 31°26'34", long 84°59'00" referenced to North American Datum (NAD) of 1927, Early County, Hydrologic Unit 03130004, at culvert on GA 39, 5.2 miles north of Blakely.

DRAINAGE AREA.—2.78 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1978 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 290.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined. Gage was not operational from December 11, 2002 to June 2, 2003.

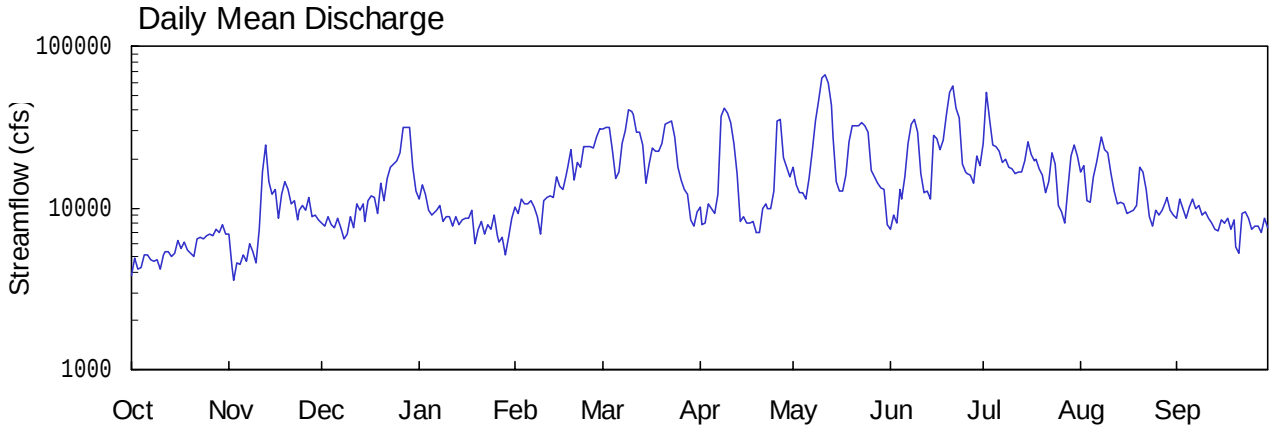
MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 6.13 feet, July 6, 1994
DISCHARGE: 746 cfs, July 6, 1994

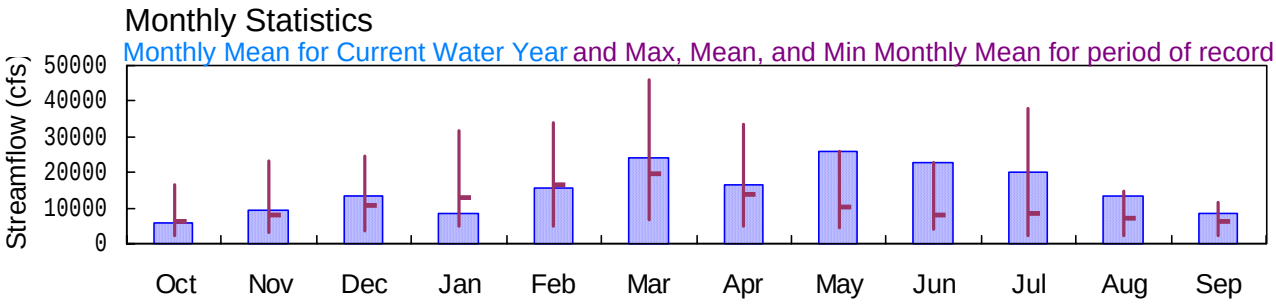
MAXIMUM FOR CURRENT YEAR.—
STAGE: unknown, April 8
DISCHARGE: unknown, April 8

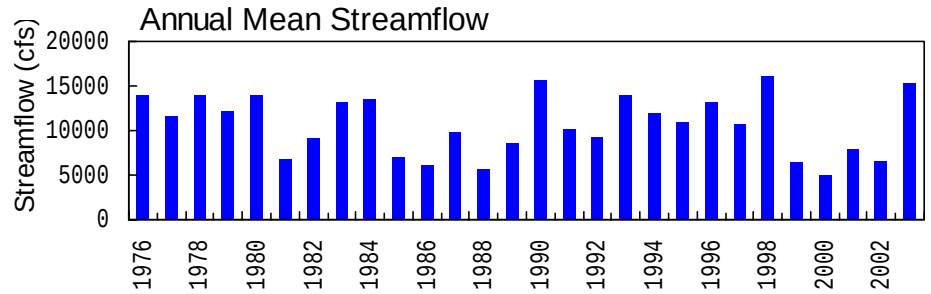
2003 Water Year

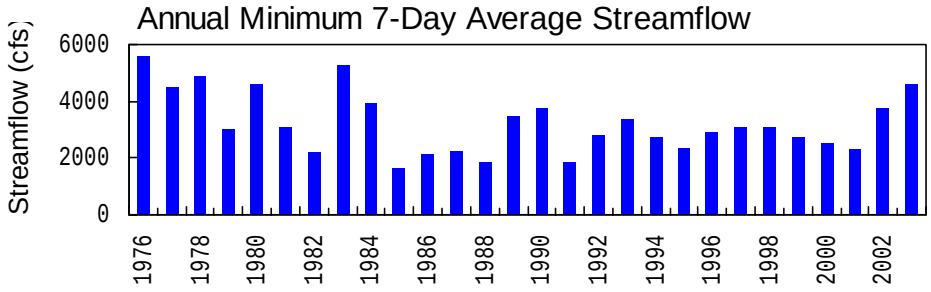
02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL

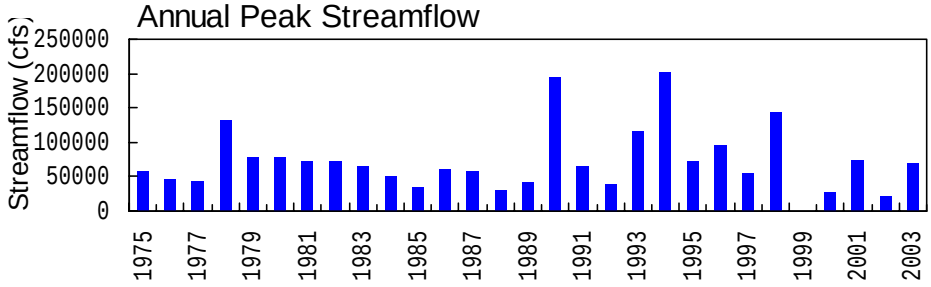
Latitude: 31°15'33" Longitude: 085°06'37" Hydrologic Unit Code: 03130004 Early County
Drainage Area: 8210. mi² Datum: 0.00 feet











NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2003 Water Year

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL

LOCATION.—Lat 31°15'33", long 85°06'37" referenced to North American Datum (NAD) of 1927, Early County, GA-Houston County, AL, Hydrologic Unit 03130004, at left end of George W. Andrews Lock and Dam, 1.3 miles downstream from Omusee Creek, 2.3 miles south of Columbia, AL, and at mile 46.5.

DRAINAGE AREA.—8,210 square miles, approximately.

COOPERATION.—U.S Army Corps of Engineers-Mobile District, Southern Nuclear Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1975 to current year.

GAGE.—Satellite transmitter with gate-opening and water-stage recorders. Datum of headwater gage and tail-water gage is 0.00 feet referenced to National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records fair, except estimated record, which is poor. Flow regulated by Lake Sidney Lanier, West Point Lake, Lake Harding, Walter F. George Lake, and George W. Andrews Reservoir.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of March 1929, thought to be the highest since 1827, based on station on Chattahoochee River at Columbia, AL, 2.4 miles upstream.

WATER-STAGE RECORD

PERIOD OF RECORD.—October 1975 to current year.

GAGE.—Satellite transmitter with gate-opening and water-stage recorders. Datum of headwater gage and tail-water gage is 0.00 feet referenced to National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Headwater: Maximum gage-height recorded, 107.66 feet, May 11; minimum gage-height recorded, 98.04 feet, April 28. Tailwater: Maximum gage-height recorded, 105.87 feet, May 11; minimum gage-height recorded, 76.06 feet, October 7.

PRECIPITATION RECORDS

PERIOD OF RECORD.—September 1998 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records poor.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL STREAM SOURCE AGENCY USGS STATE 13 COUNTY 099
LATITUDE 311533 LONGITUDE 0850637 NAD27 DRAINAGE AREA 8210.00* CONTRIBUTING DRAINAGE AREA DATUM 0.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3800	6940	8020	e11200	10100	30900	10200	17700	7280	e24900	16700	8540
2	4930	4290	7710	14000	9210	31800	7930	13800	8980	e52200	18200	11300
3	4210	3540	8890	12200	11400	e31500	8010	12300	8150	e35600	11000	9780
4	4270	4560	7950	9710	10700	e22300	10700	12400	12900	e24300	10800	8670
5	5160	4460	7490	9000	10700	e15100	10000	11300	11300	e24200	15500	10200
6	5100	5070	8640	9140	11200	e16500	9300	15200	15600	e22200	19200	11400
7	4800	4690	7520	9760	10200	e25100	12000	22500	25200	e18900	24600	9850
8	4670	6010	6470	10300	8740	e30000	37000	34100	32700	e19800	27600	10400
9	4770	5330	6910	8170	6910	e40000	41400	46700	35200	e17800	22800	8960
10	4170	4590	8760	8740	11200	e39200	39000	63700	29400	17500	21900	9380
11	5080	e7300	7550	8820	11500	e38100	33500	66300	16400	16200	16200	8580
12	5410	e16500	10700	7740	11900	e29300	24900	59300	12500	16700	12600	8060
13	5340	e24300	9770	8890	11500	29400	16300	43000	12800	16700	10700	7390
14	4980	14600	10700	7920	15400	24600	8240	27600	11400	19600	10900	7210
15	5260	12000	8330	8420	13500	14100	8890	14700	27800	25600	10700	8400
16	6240	12900	11100	8640	13100	18800	8150	12600	26900	21300	9190	8120
17	5640	8720	11900	8690	16100	23600	8080	12800	23100	19600	9400	8640
18	6180	12100	11700	9680	17900	22500	8170	16100	26400	19800	9660	7420
19	5530	14500	9150	5940	23100	22500	7100	25600	37800	17400	10400	8460
20	5270	13000	14100	7300	14900	25000	6980	32200	51300	16000	17700	5760
21	4950	10700	11100	8180	19000	32600	9880	32100	56400	12500	16600	5280
22	6410	11100	15100	6840	17800	34000	10500	32500	41200	14400	13000	9260
23	6560	8380	17800	7840	23800	34800	9890	33500	35900	21800	8760	9410
24	6460	9760	e18700	7290	24000	27300	9980	32200	18800	18600	7770	8600
25	6740	10400	e19400	9060	23700	18000	12800	29400	16600	10400	9640	7410
26	6850	9600	e22000	6670	23300	15000	34300	17100	16400	9400	9090	7640
27	6730	11600	31500	6150	27400	13100	35600	15600	15800	8130	9700	7640
28	7430	8750	31500	6570	31000	12100	20300	14100	14300	13300	10900	6990
29	7080	8950	31100	5080	---	8510	17800	13200	20700	21000	11600	8600
30	7950	8430	17700	6520	---	7620	15500	12900	e18400	24500	9630	7610
31	6870	---	12700	8670	---	9520	---	7910	---	21100	8990	---
TOTAL	174840	283070	411960	263130	439260	742850	492400	800410	687610	621430	421430	254960
MEAN	5640	9436	13290	8488	15690	23960	16410	25820	22920	20050	13590	8499
MAX	7950	24300	31500	14000	31000	40000	41400	66300	56400	52200	27600	11400
MIN	3800	3540	6470	5080	6910	7620	6980	7910	7280	8130	7770	5280
CFSM	0.69	1.15	1.62	1.03	1.91	2.92	2.00	3.14	2.79	2.44	1.66	1.04
IN.	0.79	1.28	1.87	1.19	1.99	3.37	2.23	3.63	3.12	2.82	1.91	1.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2003, BY WATER YEAR (WY)

MEAN	6321	7924	10930	13080	16700	19710	13730	10070	7961	8340	7279	6254
MAX	16730	23290	24660	31670	33800	45900	33400	25820	22920	38070	14550	11630
(WY)	1976	1993	1993	1978	1998	1990	1979	2003	2003	1994	1984	1994
MIN	2385	2998	3655	4726	4856	6912	4957	4536	3946	2425	2045	2265
(WY)	1987	1982	2000	1981	1989	2000	1999	1999	2000	1988	1988	1986

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1976 - 2003	
ANNUAL TOTAL	2813990		5593350			
ANNUAL MEAN	7710		15320		10670	
HIGHEST ANNUAL MEAN					16050	1998
LOWEST ANNUAL MEAN					4950	2000
HIGHEST DAILY MEAN	31500	Dec 27	66300	May 11	195000	Jul 7 1994
LOWEST DAILY MEAN	2630	Jan 12	3540	Nov 3	0.00	Nov 22 1987
ANNUAL SEVEN-DAY MINIMUM	3780	Jan 12	4610	Oct 1	1640	May 14 1985
MAXIMUM PEAK FLOW			69100	May 11	202000	Jul 7 1994
MAXIMUM PEAK STAGE			105.87	May 11	123.98	Jul 7 1994
ANNUAL RUNOFF (CFSM)	0.94		1.87		1.30	
ANNUAL RUNOFF (INCHES)	12.75		25.34		17.65	
10 PERCENT EXCEEDS	12400		31300		21500	
50 PERCENT EXCEEDS	6150		11300		8340	
90 PERCENT EXCEEDS	4460		6440		1910	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL SOURCE AGENCY USGS STATE 13 COUNTY 099
LATITUDE 311533 LONGITUDE 0850637 NAD27 DRAINAGE AREA 8210.00* CONTRIBUTING DRAINAGE AREA DATUM 0.00 NGVD29

APPROVED

HEADWATER
Gage height, feet

WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101.64	102.10	102.01	102.14	102.17	101.84	102.29	102.22	102.31	---	102.81	102.11
2	101.59	101.59	102.04	102.24	102.12	102.05	102.29	101.78	102.15	---	102.66	102.06
3	101.34	101.44	102.41	102.23	102.21	101.90	102.03	101.77	102.29	---	102.26	102.14
4	101.50	101.46	102.23	102.28	102.12	101.89	102.22	102.30	102.33	---	102.22	102.18
5	101.72	101.83	102.30	102.49	102.10	102.21	101.89	102.27	102.35	---	101.74	102.27
6	101.52	101.79	102.40	102.25	102.24	102.48	102.25	101.34	101.87	---	102.10	102.33
7	101.63	101.70	102.16	102.09	102.32	102.58	101.52	100.31	101.52	---	101.79	102.23
8	101.74	101.90	102.14	102.16	102.40	102.33	100.88	100.76	101.64	100.54	101.52	101.89
9	101.76	102.07	102.16	102.33	102.54	102.12	101.06	102.12	100.53	101.43	101.36	101.86
10	101.77	101.57	102.37	102.35	102.51	101.33	101.33	106.73	100.92	100.41	100.90	102.15
11	101.63	102.00	102.43	102.20	101.96	102.25	100.86	107.48	102.01	100.44	100.68	101.93
12	101.58	102.49	102.35	102.30	102.19	102.07	100.93	106.22	102.29	100.54	101.25	102.34
13	101.79	101.44	101.91	102.41	102.46	101.50	101.56	102.14	102.21	100.49	101.88	102.21
14	101.51	101.64	102.30	102.35	102.00	100.88	102.15	101.20	102.27	101.06	102.23	102.16
15	101.71	101.82	102.22	102.34	102.19	101.98	101.97	101.85	101.07	100.91	102.20	102.00
16	101.74	102.28	102.20	102.28	102.49	102.38	102.23	102.20	100.34	100.75	102.11	101.99
17	101.76	102.25	102.23	102.22	102.50	101.36	101.99	101.74	100.75	100.32	102.03	102.24
18	101.91	102.39	102.23	102.34	102.30	101.16	101.89	102.14	101.34	100.58	102.20	102.37
19	101.69	102.15	102.16	102.22	102.11	100.66	102.32	101.17	100.29	101.22	101.97	101.80
20	101.67	102.42	102.26	102.25	102.43	101.71	102.12	101.05	101.69	100.34	101.90	102.22
21	101.62	102.28	102.11	102.33	102.21	101.04	102.28	100.91	103.46	101.35	101.67	102.20
22	101.77	102.07	102.15	102.10	101.94	100.09	102.32	100.70	100.56	102.65	101.96	101.81
23	101.66	102.50	101.88	102.31	102.30	100.20	101.98	100.90	101.62	102.55	102.25	102.26
24	101.85	102.28	102.15	102.35	102.32	100.00	101.94	100.89	101.22	102.44	102.23	102.12
25	101.95	101.44	101.66	102.27	102.06	100.91	102.08	100.87	101.90	102.35	101.99	102.14
26	101.89	101.91	101.52	102.29	102.02	101.17	101.28	100.54	102.27	102.41	102.13	102.20
27	101.87	102.43	101.88	102.24	101.99	102.16	100.61	100.50	102.07	102.44	102.04	102.24
28	102.01	102.38	101.81	102.08	101.72	101.83	101.31	100.85	101.52	102.68	102.04	102.03
29	101.72	102.10	101.57	102.08	---	102.25	101.45	102.11	101.12	102.39	102.15	101.92
30	101.95	102.25	101.93	102.32	---	102.51	102.10	101.68	---	101.62	102.14	102.07
31	101.81	---	102.01	102.28	---	102.23	---	102.44	---	101.47	102.22	---
MEAN	101.72	102.00	102.10	102.26	102.21	101.65	101.77	101.97	---	---	101.96	102.12
MAX	102.01	102.50	102.43	102.49	102.54	102.58	102.32	107.48	---	---	102.81	102.37
MIN	101.34	101.44	101.52	102.08	101.72	100.00	100.61	100.31	---	---	100.68	101.80

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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LATITUDE 311533 LONGITUDE 0850637 NAD27 DRAINAGE AREA 8210.00* CONTRIBUTING DRAINAGE AREA DATUM 0.00 NGVD29

APPROVED

TAILWATER
Gage height, feet

WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76.95	77.72	78.50	80.89	78.61	88.56	79.57	82.52	78.92	---	82.25	78.81
2	77.09	76.81	78.19	81.35	78.81	---	78.83	81.14	79.06	---	83.28	79.48
3	76.91	76.70	78.81	80.90	79.09	---	78.63	80.50	78.91	---	80.38	79.39
4	76.88	76.89	78.22	79.76	79.06	---	79.64	80.57	79.97	---	79.80	78.85
5	77.10	76.97	78.30	79.12	79.10	---	79.56	80.19	79.92	---	81.65	79.18
6	76.88	77.06	78.70	78.58	78.82	---	79.20	81.66	81.32	---	83.14	79.98
7	76.96	77.10	78.29	78.83	79.17	---	80.13	84.90	86.03	---	85.93	78.94
8	76.88	77.54	77.84	79.07	78.93	---	91.95	90.06	89.93	86.67	87.67	79.11
9	76.98	77.30	77.65	78.76	78.65	---	95.73	98.09	91.61	84.14	85.74	78.64
10	76.89	77.06	78.20	78.73	79.46	---	94.85	104.53	89.59	82.97	85.23	78.94
11	77.05	---	78.08	78.80	79.76	---	91.41	105.75	82.44	82.00	82.03	78.66
12	77.01	---	78.92	78.32	79.81	---	86.68	104.37	80.66	82.26	80.66	78.45
13	76.99	---	79.14	78.86	79.59	88.42	83.35	97.03	80.23	82.25	79.71	78.06
14	76.96	82.43	79.27	78.30	81.08	86.75	78.65	88.54	80.42	83.23	79.96	77.88
15	76.86	80.01	78.74	78.25	81.05	81.48	78.84	82.35	87.04	86.76	79.97	78.13
16	76.97	80.52	79.51	78.36	80.45	83.57	78.80	80.25	87.59	84.71	79.17	78.27
17	76.93	79.06	80.05	78.28	82.00	85.43	78.97	80.60	85.42	83.72	79.56	77.68
18	77.21	80.36	79.69	78.87	82.06	85.27	78.70	81.89	86.89	83.77	79.40	78.20
19	77.06	81.30	79.18	78.03	85.08	85.05	78.44	86.14	92.42	82.79	79.66	77.66
20	77.06	80.75	80.95	78.47	81.96	86.20	78.00	89.85	98.08	81.95	82.97	77.65
21	77.16	79.67	79.64	78.41	82.45	90.19	79.11	89.97	100.94	80.46	82.58	77.56
22	77.41	79.52	81.32	78.33	83.10	91.01	79.68	90.11	97.23	80.91	81.23	78.78
23	77.30	78.74	82.84	77.98	83.43	91.26	79.61	90.75	92.75	84.56	79.87	78.81
24	77.27	79.19	---	78.14	85.42	88.27	78.65	90.08	84.31	84.00	79.19	78.81
25	77.13	79.00	---	78.25	85.72	83.13	80.58	88.93	82.16	80.02	79.56	78.66
26	77.04	79.23	---	78.29	85.52	81.84	90.14	83.10	82.15	79.23	79.52	78.93
27	76.98	79.46	88.47	78.06	86.72	81.01	93.17	81.55	82.16	78.89	78.83	78.68
28	77.15	78.84	89.23	78.11	88.06	80.41	84.39	80.85	81.29	81.01	79.78	78.44
29	77.17	78.74	89.58	77.82	---	78.88	82.97	80.67	83.62	84.23	80.07	78.94
30	77.51	78.80	84.71	78.08	---	78.32	81.46	80.59	---	86.34	79.72	78.69
31	77.44	---	80.86	78.53	---	79.25	---	79.51	---	84.57	79.16	---
MEAN	77.07	---	---	78.73	81.53	---	82.66	87.00	---	---	81.22	78.61
MAX	77.51	---	---	81.35	88.06	---	95.73	105.75	---	---	87.67	79.98
MIN	76.86	---	---	77.82	78.61	---	78.00	79.51	---	---	78.83	77.56

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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LATITUDE 311533 LONGITUDE 0850637 NAD27 DRAINAGE AREA 8210.00* CONTRIBUTING DRAINAGE AREA DATUM 0.00 NGVD29

APPROVED

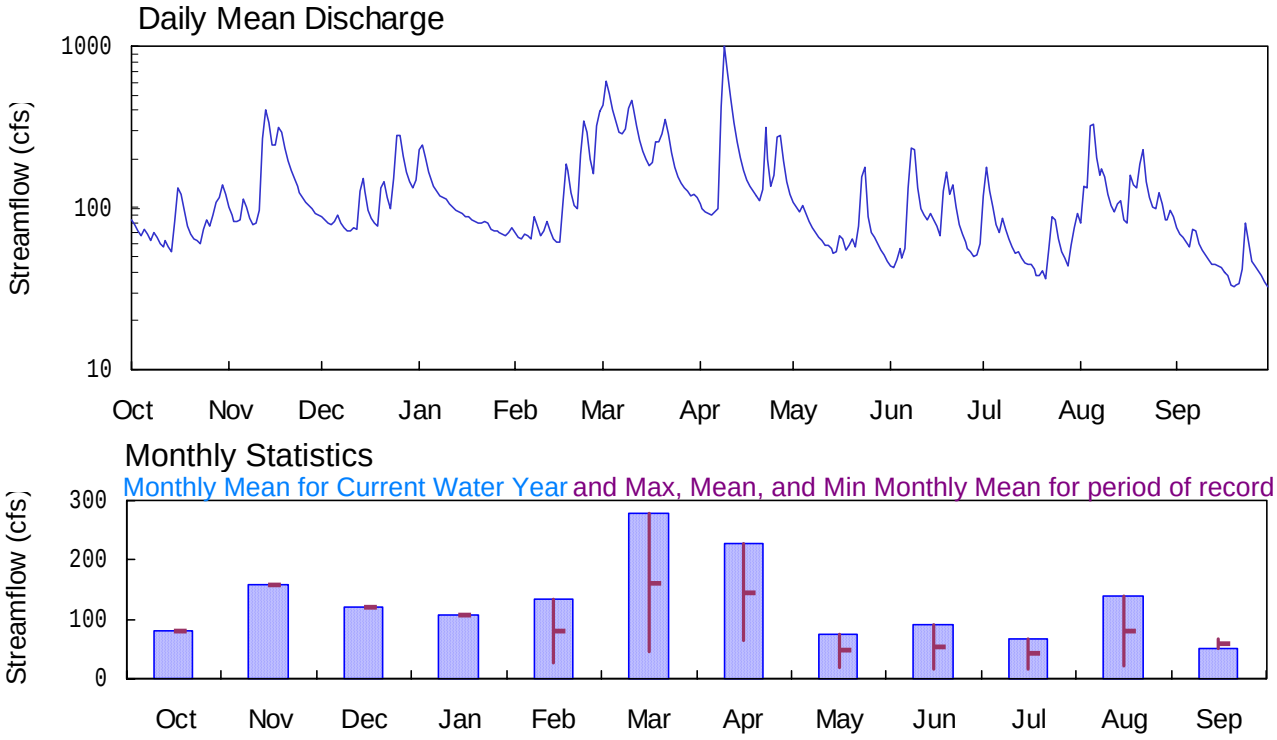
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.08	0.00	---	0.00	0.02	0.00	---	0.94	0.00
2	0.00	0.00	0.00	0.04	0.00	---	0.00	0.00	0.09	---	0.10	0.00
3	0.00	0.00	0.00	0.02	0.00	---	0.00	0.30	0.28	---	0.37	0.00
4	0.30	0.10	0.00	0.50	0.14	---	0.00	0.00	0.00	---	0.35	0.00
5	0.00	0.30	0.24	0.00	0.00	---	0.00	0.00	0.00	---	0.08	0.88
6	0.00	0.00	0.12	0.00	0.35	---	0.00	0.00	0.71	---	0.03	0.26
7	0.30	0.00	0.00	0.00	0.08	---	0.00	0.00	1.15	---	1.11	0.00
8	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.24	---	0.00	0.00
9	0.00	0.00	0.00	0.00	0.01	---	0.01	0.00	0.01	---	0.00	0.00
10	0.00	0.20	0.14	0.01	0.34	---	0.00	0.00	0.00	0.01	0.00	0.00
11	0.00	2.10	0.00	0.00	0.00	---	0.00	0.10	0.03	0.22	0.18	0.00
12	0.00	1.10	0.01	0.00	0.00	---	0.00	0.00	0.03	0.00	0.24	0.00
13	0.00	0.00	0.72	0.00	0.00	---	0.00	0.00	0.36	0.00	0.32	0.00
14	0.20	0.00	0.16	0.00	0.00	---	0.00	0.00	0.11	0.07	0.00	0.27
15	0.70	0.28	0.00	0.00	0.00	---	0.00	0.24	0.01	0.05	0.00	0.00
16	0.00	0.76	0.00	0.00	1.25	---	0.00	0.00	0.01	0.01	0.99	0.00
17	0.00	0.00	0.00	0.00	0.42	---	0.00	0.00	0.65	0.00	0.13	0.00
18	0.00	0.00	0.00	0.00	0.00	---	0.00	0.04	0.39	0.00	0.00	0.00
19	0.00	0.00	0.15	0.00	0.00	---	0.00	0.37	0.00	0.00	0.22	0.00
20	0.00	0.00	0.68	0.00	0.00	---	0.00	0.00	0.76	0.00	0.56	0.00
21	0.00	0.00	0.00	0.00	0.12	---	0.00	0.00	0.00	0.07	0.49	0.01
22	0.00	0.00	0.00	0.12	0.37	---	0.26	0.69	0.00	0.65	0.02	0.75
23	0.20	0.00	0.00	0.01	0.41	---	0.00	0.00	0.00	0.46	0.00	0.01
24	0.20	0.00	1.09	0.00	0.20	---	0.09	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.20	0.00	0.01	---	1.16	0.00	0.00	0.00	0.03	0.00
26	0.30	0.00	0.00	0.00	0.02	---	0.15	0.05	0.00	0.08	0.12	0.00
27	0.10	0.00	0.00	0.00	0.05	---	0.00	0.00	0.01	0.01	0.00	0.00
28	0.50	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.26	0.00	0.02
29	0.50	0.00	0.00	0.00	---	---	0.00	0.00	---	0.03	0.14	0.00
30	0.10	0.00	0.00	0.16	---	0.00	0.00	0.00	---	0.40	0.24	0.00
31	0.00	---	0.06	0.00	---	0.00	---	0.00	---	0.08	0.01	---
TOTAL	3.40	4.84	3.57	0.94	---	---	1.67	1.81	---	---	6.67	2.20

2003 Water Year

02343940 SAWHATCHEE CREEK AT CEDAR SPRINGS, GA

Latitude: 31°10'40" Longitude: 085°02'37" Hydrologic Unit Code: 03130004 Early County
Drainage Area: 64.2 mi^2 Datum: 99.0 feet



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2003 Water Year

02343940 SAWHATCHEE CREEK AT CEDAR SPRINGS, GA

LOCATION.—Lat 31°10'40", long 85°02'37" referenced to North American Datum (NAD) of 1927, Early County, Hydrologic Unit 03130004, 0.3 miles west of GA 363 on GA 273, 0.30 miles west of Cedar Springs.

DRAINAGE AREA.—64.2 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 18, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 99.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—January 18, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 99.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

PRECIPITATION RECORDS

PERIOD OF RECORD.—January 18, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02343940 SAWHATCHEE CREEK AT CEDAR SPRINGS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 099
LATITUDE 311040 LONGITUDE 0850237 NAD27 DRAINAGE AREA 64.2* CONTRIBUTING DRAINAGE AREA DATUM 99.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	102	88	231	71	437	105	109	44	120	81	76
2	79	90	83	243	66	608	100	101	42	180	135	68
3	72	83	80	207	65	507	95	95	48	128	132	66
4	68	82	78	167	69	402	92	104	57	102	319	62
5	73	85	82	146	67	343	90	93	49	79	330	58
6	69	114	90	136	64	295	95	83	56	70	206	73
7	63	101	81	127	89	288	98	76	133	85	159	71
8	70	87	75	119	77	306	422	70	233	73	174	61
9	65	80	73	115	68	412	998	66	228	65	157	55
10	60	81	72	112	71	464	683	63	134	57	121	51
11	58	96	76	107	82	413	471	59	99	52	104	48
12	62	269	74	100	71	324	339	58	90	53	94	45
13	57	400	126	96	65	260	256	56	84	49	106	44
14	54	340	154	94	62	223	203	53	93	46	110	43
15	82	244	126	92	61	199	169	54	84	45	85	43
16	133	246	97	89	108	183	148	68	77	45	81	40
17	122	314	86	88	187	189	136	64	67	41	158	38
18	96	293	80	85	171	259	127	55	127	38	139	34
19	77	236	78	82	124	257	118	59	165	38	132	32
20	70	196	134	81	105	288	111	65	120	40	186	33
21	65	171	144	81	99	353	129	57	139	37	227	34
22	63	153	117	82	216	284	313	78	101	57	146	42
23	60	137	100	80	346	217	198	157	79	87	116	81
24	74	124	152	74	297	179	136	178	69	85	100	61
25	84	115	282	72	200	155	159	88	62	64	99	47
26	78	109	282	72	161	142	278	71	57	53	124	44
27	90	104	211	70	319	132	281	66	53	48	107	41
28	109	98	166	69	396	126	195	60	50	43	84	38
29	115	93	146	68	---	118	144	55	51	59	85	35
30	138	90	134	70	---	120	122	51	60	75	96	33
31	120	---	147	76	---	115	---	47	---	92	88	---
TOTAL	2511	4733	3714	3331	3777	8598	6811	2359	2751	2106	4281	1497
MEAN	81.0	158	120	107	135	277	227	76.1	91.7	67.9	138	49.9
MAX	138	400	282	243	396	608	998	178	233	180	330	81
MIN	54	80	72	68	61	115	90	47	42	37	81	32
MED	73	111	97	89	85	260	146	66	78	57	121	45
AC-FT	4980	9390	7370	6610	7490	17050	13510	4680	5460	4180	8490	2970

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	81.0	158	120	107	80.3	161	146	47.9	54.0	41.9	79.7	58.8
MAX	81.0	158	120	107	135	277	227	76.1	91.7	67.9	138	67.6
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2002
MIN	81.0	158	120	107	25.7	45.3	64.6	19.6	16.4	15.8	21.4	49.9
(WY)	2003	2003	2003	2003	2002	2002	2002	2002	2002	2002	2002	2003

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	46469			
ANNUAL MEAN	127		127	
HIGHEST ANNUAL MEAN			127	2003
LOWEST ANNUAL MEAN			127	2003
HIGHEST DAILY MEAN	998	Apr 9	998	Apr 9 2003
LOWEST DAILY MEAN	32	Sep 19	5.8	Jul 18 2002
ANNUAL SEVEN-DAY MINIMUM	36	Sep 16	7.6	Jul 14 2002
MAXIMUM PEAK FLOW	1120	Apr 9		
MAXIMUM PEAK STAGE	8.66	Apr 9		
INSTANTANEOUS LOW FLOW	31	Sep 18		
ANNUAL RUNOFF (AC-FT)	92170		92230	
10 PERCENT EXCEEDS	264		264	
50 PERCENT EXCEEDS	90		90	
90 PERCENT EXCEEDS	51		51	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02343940 SAWHATCHEE CREEK AT CEDAR SPRINGS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 099
LATITUDE 311040 LONGITUDE 0850237 NAD27 DRAINAGE AREA 64.2* CONTRIBUTING DRAINAGE AREA DATUM 99.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.57	3.88	3.80	5.53	3.28	6.79	3.93	4.00	2.70	4.05	3.48	3.38
2	3.44	3.65	3.72	5.65	3.19	7.48	3.84	3.85	2.67	5.01	4.30	3.23
3	3.30	3.52	3.66	5.30	3.15	7.11	3.75	3.75	2.77	4.31	4.31	3.17
4	3.21	3.50	3.63	4.85	3.25	6.66	3.70	3.91	2.96	3.87	5.97	3.08
5	3.33	3.56	3.70	4.57	3.19	6.34	3.67	3.71	2.80	3.44	6.24	2.99
6	3.24	4.08	3.83	4.42	3.12	6.04	3.75	3.53	2.95	3.27	5.29	3.33
7	3.11	3.86	3.68	4.29	3.63	6.00	3.80	3.38	4.35	3.57	4.75	3.29
8	3.27	3.60	3.57	4.17	3.41	6.12	6.37	3.27	5.55	3.34	4.95	3.06
9	3.16	3.46	3.52	4.10	3.22	6.70	8.43	3.17	5.50	3.15	4.72	2.93
10	3.04	3.49	3.50	4.06	3.29	6.94	7.68	3.10	4.38	2.97	4.20	2.84
11	2.99	3.74	3.59	3.97	3.51	6.71	6.96	3.02	3.82	2.86	3.91	2.78
12	3.09	5.82	3.54	3.85	3.30	6.23	6.31	3.00	3.66	2.89	3.72	2.71
13	2.98	6.65	4.38	3.77	3.15	5.79	5.75	2.95	3.55	2.79	3.95	2.70
14	2.89	6.32	4.78	3.73	3.08	5.47	5.27	2.87	3.71	2.73	4.00	2.68
15	3.49	5.65	4.41	3.69	3.06	5.23	4.88	2.90	3.54	2.71	3.57	2.68
16	4.39	5.66	3.95	3.64	3.92	5.06	4.60	3.21	3.41	2.71	3.48	2.62
17	4.22	6.17	3.76	3.62	5.10	5.11	4.43	3.13	3.21	2.64	4.71	2.58
18	3.77	6.03	3.66	3.56	4.91	5.78	4.29	2.92	4.22	2.58	4.46	2.49
19	3.41	5.59	3.62	3.51	4.24	5.77	4.16	3.01	4.82	2.58	4.35	2.46
20	3.25	5.21	4.51	3.48	3.92	5.98	4.03	3.15	4.18	2.62	5.08	2.48
21	3.15	4.94	4.66	3.48	3.82	6.40	4.27	2.98	4.47	2.55	5.48	2.49
22	3.12	4.72	4.27	3.50	5.22	5.96	6.14	3.41	3.86	2.96	4.57	2.67
23	3.04	4.50	4.00	3.48	6.35	5.41	5.19	4.67	3.45	3.61	4.12	3.48
24	3.35	4.32	4.65	3.35	6.04	5.00	4.43	4.92	3.24	3.55	3.85	3.07
25	3.54	4.20	5.94	3.30	5.23	4.70	4.71	3.62	3.08	3.13	3.80	2.75
26	3.42	4.11	5.95	3.30	4.78	4.51	5.92	3.28	2.96	2.89	4.24	2.69
27	3.66	4.03	5.35	3.28	6.12	4.37	5.94	3.18	2.88	2.79	3.95	2.63
28	4.00	3.95	4.84	3.24	6.63	4.27	5.17	3.05	2.82	2.68	3.55	2.58
29	4.10	3.87	4.57	3.22	---	4.15	4.54	2.92	2.84	3.01	3.56	2.51
30	4.46	3.83	4.40	3.26	---	4.18	4.21	2.83	3.03	3.37	3.77	2.47
31	4.19	---	4.56	3.39	---	4.11	---	2.76	---	3.68	3.62	---
MEAN	3.46	4.53	4.19	3.89	4.11	5.69	5.00	3.34	3.58	3.17	4.32	2.83
MAX	4.46	6.65	5.95	5.65	6.63	7.48	8.43	4.92	5.55	5.01	6.24	3.48
MIN	2.89	3.46	3.50	3.22	3.06	4.11	3.67	2.76	2.67	2.55	3.48	2.46

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02343940 SAWHATCHEE CREEK AT CEDAR SPRINGS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 099
LATITUDE 311040 LONGITUDE 0850237 NAD27 DRAINAGE AREA 64.2* CONTRIBUTING DRAINAGE AREA DATUM 99.00 NGVD29

APPROVED

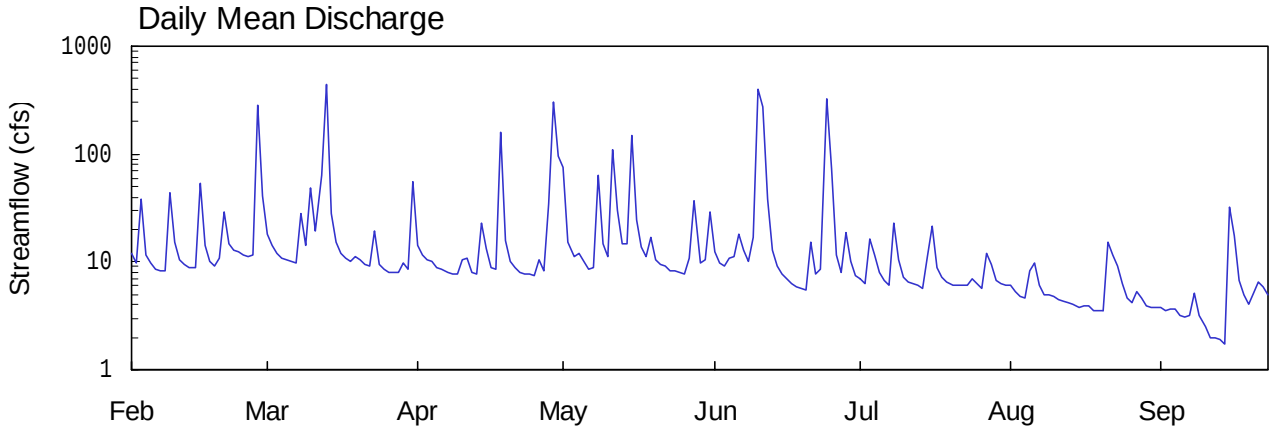
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

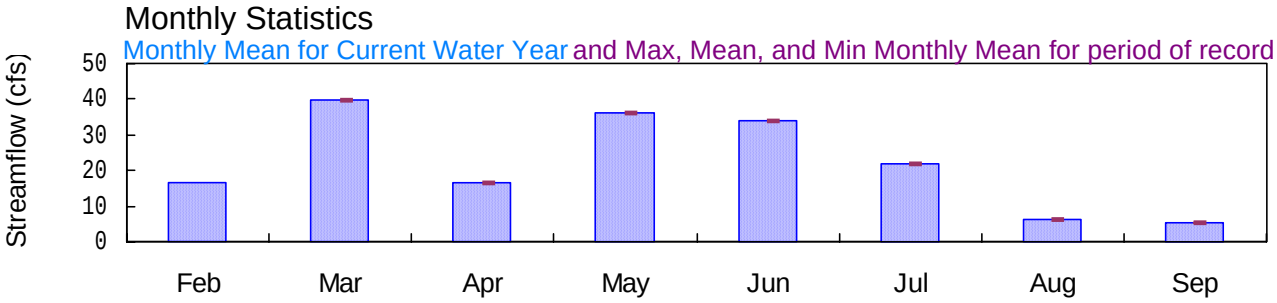
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01	0.00	0.00	0.00	0.00	2.15	0.00	0.00	0.00	2.18	0.34	0.00
2	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.04	0.02	0.50	0.13
3	0.00	0.05	0.00	0.00	0.00	0.35	0.00	0.22	0.76	0.18	0.05	0.00
4	0.11	0.06	0.00	0.00	0.13	0.09	0.00	0.00	0.01	0.17	0.10	0.00
5	0.00	0.65	0.18	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.07	0.12
6	0.00	0.08	0.00	0.00	0.52	0.07	0.00	0.00	1.67	0.10	0.06	0.00
7	0.22	0.00	0.01	0.00	0.01	0.61	0.92	0.00	1.54	0.00	0.44	0.00
8	0.00	0.00	0.00	0.00	0.00	0.80	3.11	0.00	0.34	0.00	0.00	0.00
9	0.00	0.02	0.00	0.00	0.03	0.86	0.09	0.00	0.00	0.00	0.00	0.00
10	0.00	0.07	0.08	0.01	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	2.28	0.00	0.00	0.00	0.00	0.00	0.04	0.57	0.03	0.25	0.00
12	0.00	0.71	0.09	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.28	0.00
13	0.01	0.01	1.10	0.00	0.00	0.01	0.00	0.00	0.27	0.00	0.30	0.00
14	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.11	0.00
15	0.75	0.30	0.00	0.00	0.00	0.00	0.00	0.10	0.01	0.26	0.00	0.00
16	0.00	0.96	0.00	0.00	1.74	0.00	0.00	0.00	0.00	0.00	1.91	0.00
17	0.04	0.00	0.00	0.00	0.08	0.87	0.00	0.00	0.15	0.00	0.39	0.00
18	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.07	0.84	0.00	0.00	0.00
19	0.00	0.00	0.91	0.00	0.00	0.01	0.00	0.26	0.52	0.23	2.67	0.00
20	0.01	0.00	0.01	0.00	0.00	0.74	0.00	0.00	0.25	0.00	0.03	0.00
21	0.00	0.00	0.00	0.00	0.47	0.00	0.66	0.00	0.01	0.01	0.09	0.05
22	0.00	0.00	0.00	0.02	2.00	0.00	0.00	0.99	0.00	0.87	0.00	0.89
23	0.16	0.00	0.07	0.00	0.00	0.00	0.00	0.01	0.00	0.51	0.00	0.00
24	0.49	0.00	1.45	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00
25	0.02	0.00	0.00	0.00	0.00	0.00	1.56	0.00	0.00	0.00	0.56	0.00
26	0.42	0.00	0.00	0.00	0.59	0.00	0.23	0.04	0.00	0.02	0.00	0.05
27	0.08	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00	0.01	0.00	0.00
28	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00
29	0.82	0.00	0.00	0.00	---	0.00	0.00	0.00	0.34	1.60	0.02	0.00
30	0.00	0.00	0.00	0.06	---	0.15	0.00	0.00	0.28	0.70	0.02	0.00
31	0.00	---	1.28	0.00	---	0.00	---	0.00	---	0.04	0.01	---
TOTAL	3.60	5.19	5.18	0.20	7.07	6.77	6.65	1.73	7.67	6.93	8.25	1.24

2003 Water Year

02344325 MORNING CREEK AT BETHSAIDA ROAD, NEAR FAIRBURN, GA

Latitude: 33°33'41" Longitude: 084°29'23" Hydrologic Unit Code: 03130005 Fulton County
Drainage Area: 11.1 mi^2 Datum: 850.0 feet





NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2003 Water Year

02344325 MORNING CREEK AT BETHSAIDA ROAD, NEAR FAIRBURN, GA

LOCATION.—Lat 33°33'41", long 84°29'23" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit 03130005, on the left upstream bank of Bethsaida Road, 0.6 miles upstream of Shannon Creek

DRAINAGE AREA.—11.1 square miles.

COOPERATION.—Fulton County Department of Public Works.

WATER–DISCHARGE RECORDS

PERIOD OF RECORD.—February 8, 2003 to September 30, 2003.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 850.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for periods of estimated discharge, which are poor.

WATER–STAGE RECORDS

PERIOD OF RECORD.—February 8, 2003 to September 30, 2003.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 850.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 8.40 feet, March 20; minimum gage-height recorded, 0.86 feet, September 13, 14.

PRECIPITATION RECORDS

PERIOD OF RECORD.— February 8, 2003 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344325 MORNING CREEK AT BETHSAIDA ROAD, NEAR FAIRBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333341 LONGITUDE 0842923 NAD27 DRAINAGE AREA 11.1 CONTRIBUTING DRAINAGE AREA 11.1* DATUM 850.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	13	8.7	7.8	7.9	330	6.4	4.6
2	---	---	---	---	---	12	8.1	7.4	7.6	74	5.6	4.2
3	---	---	---	---	---	12	8.1	11	11	12	12	5.4
4	---	---	---	---	---	11	8.0	8.1	37	8.0	9.6	4.6
5	---	---	---	---	---	12	9.9	34	9.9	19	6.6	3.9
6	---	---	---	---	---	283	8.6	300	10	10	6.2	3.8
7	---	---	---	---	---	41	55	97	29	7.5	6.2	3.8
8	---	---	---	---	12	18	14	74	12	6.9	6.0	3.8
9	---	---	---	---	9.9	14	12	15	9.8	6.2	5.3	3.5
10	---	---	---	---	38	12	11	11	9.1	16	4.8	3.7
11	---	---	---	---	12	11	10	12	11	11	4.7	3.6
12	---	---	---	---	9.8	10	8.8	10	11	8.0	8.3	3.2
13	---	---	---	---	8.6	10	8.4	8.6	e18	6.7	9.7	3.1
14	---	---	---	---	8.1	9.9	8.1	8.8	e13	6.1	6.1	3.2
15	---	---	---	---	8.2	28	7.8	63	e10	23	5.0	5.1
16	---	---	---	---	43	14	7.7	15	e17	11	4.9	e3.2
17	---	---	---	---	15	49	11	11	395	7.2	4.7	e2.5
18	---	---	---	---	11	19	11	111	275	6.4	4.4	e2.0
19	---	---	---	---	9.5	64	7.9	30	38	6.3	4.3	e2.0
20	---	---	---	---	8.9	441	7.6	15	13	6.1	4.2	e1.9
21	---	---	---	---	8.7	28	23	15	9.2	5.7	4.0	e1.7
22	---	---	---	---	53	15	13	149	7.7	11	3.8	32
23	---	---	---	---	14	12	8.9	24	6.9	22	3.9	17
24	---	---	---	---	10	11	8.4	14	6.2	8.8	3.9	6.8
25	---	---	---	---	9.2	10	161	11	5.9	7.1	3.6	4.9
26	---	---	---	---	11	11	16	17	5.7	6.4	3.6	4.0
27	---	---	---	---	29	10	10	10	5.5	6.1	3.5	5.1
28	---	---	---	---	15	9.3	8.8	9.5	15	e6.1	15	6.4
29	---	---	---	---	---	9.0	8.0	9.0	7.8	e6.0	12	5.8
30	---	---	---	---	---	20	7.7	8.3	8.5	e6.0	9.1	5.0
31	---	---	---	---	---	9.5	---	8.3	---	6.9	6.3	---
TOTAL	---	---	---	---	---	1228.7	496.5	1124.8	1022.7	673.5	193.7	159.8
MEAN	---	---	---	---	---	39.6	16.6	36.3	34.1	21.7	6.25	5.33
MAX	---	---	---	---	---	441	161	300	395	330	15	32
MIN	---	---	---	---	---	9.0	7.6	7.4	5.5	5.7	3.5	1.7
MED	---	---	---	---	---	12	8.8	12	10	7.2	5.3	3.9
AC-FT	---	---	---	---	---	2440	985	2230	2030	1340	384	317

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2003, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	39.6	16.6	36.3	34.1	21.7	6.25	5.33
MAX	---	---	---	---	---	39.6	16.6	36.3	34.1	21.7	6.25	5.33
(WY)	---	---	---	---	---	2003	2003	2003	2003	2003	2003	2003
MIN	---	---	---	---	---	39.6	16.6	36.3	34.1	21.7	6.25	5.33
(WY)	---	---	---	---	---	2003	2003	2003	2003	2003	2003	2003

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344325 MORNING CREEK AT BETHSAIDA ROAD, NEAR FAIRBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333341 LONGITUDE 0842923 NAD27 DRAINAGE AREA 11.1 CONTRIBUTING DRAINAGE AREA 11.1* DATUM 850.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	1.69	1.40	1.33	1.34	4.59	1.20	1.03
2	---	---	---	---	---	1.66	1.35	1.29	1.31	2.86	1.13	1.00
3	---	---	---	---	---	1.61	1.36	1.53	1.52	1.60	1.47	1.10
4	---	---	---	---	---	1.59	1.35	1.36	2.25	1.35	1.45	1.04
5	---	---	---	---	---	1.61	1.49	1.89	1.50	1.67	1.23	0.97
6	---	---	---	---	---	4.93	1.40	5.03	1.49	1.50	1.19	0.95
7	---	---	---	---	---	2.52	2.50	3.33	2.21	1.30	1.18	0.96
8	---	---	---	---	1.83	1.92	1.74	2.94	1.65	1.26	1.17	0.95
9	---	---	---	---	1.69	1.76	1.63	1.79	1.50	1.19	1.11	0.93
10	---	---	---	---	2.45	1.64	1.55	1.60	1.44	1.66	1.06	0.95
11	---	---	---	---	1.81	1.58	1.51	1.61	1.50	1.57	1.05	0.93
12	---	---	---	---	1.69	1.54	1.42	1.52	1.57	1.35	1.24	0.89
13	---	---	---	---	1.58	1.51	1.38	1.40	---	1.23	1.45	0.88
14	---	---	---	---	1.55	1.50	1.35	1.41	---	1.18	1.17	0.89
15	---	---	---	---	1.55	2.15	1.33	2.69	---	1.60	1.08	1.08
16	---	---	---	---	2.49	1.74	1.32	1.76	---	1.52	1.07	1.07
17	---	---	---	---	1.97	2.50	1.46	1.59	5.31	1.28	1.05	1.31
18	---	---	---	---	1.74	1.96	1.54	3.31	4.92	1.21	1.02	1.49
19	---	---	---	---	1.66	2.42	1.34	2.27	2.42	1.19	1.01	1.55
20	---	---	---	---	1.61	5.41	1.31	1.77	1.67	1.18	1.00	1.51
21	---	---	---	---	1.60	2.24	1.77	1.74	1.44	1.14	0.98	1.44
22	---	---	---	---	2.67	1.80	1.68	3.98	1.32	1.43	0.96	2.13
23	---	---	---	---	1.94	1.65	1.42	2.11	1.25	1.98	0.96	1.98
24	---	---	---	---	1.72	1.57	1.38	1.73	1.19	1.41	0.97	1.70
25	---	---	---	---	1.64	1.51	3.75	1.60	1.17	1.27	0.93	1.64
26	---	---	---	---	1.70	1.56	1.80	1.84	1.15	1.21	0.93	1.62
27	---	---	---	---	2.24	1.53	1.51	1.55	1.13	1.18	0.92	1.65
28	---	---	---	---	1.78	1.46	1.42	1.47	1.67	---	1.32	1.69
29	---	---	---	---	---	1.43	1.34	1.43	1.33	---	1.56	1.67
30	---	---	---	---	---	1.91	1.32	1.37	1.36	---	1.35	1.65
31	---	---	---	---	---	1.47	---	1.37	---	1.23	1.19	---
MEAN	---	---	---	---	---	1.98	1.57	1.99	---	---	1.14	1.29
MAX	---	---	---	---	---	5.41	3.75	5.03	---	---	1.56	2.13
MIN	---	---	---	---	---	1.43	1.31	1.29	---	---	0.92	0.88

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344325 MORNING CREEK AT BETHSAIDA ROAD, NEAR FAIRBURN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 121
LATITUDE 333341 LONGITUDE 0842923 NAD27 DRAINAGE AREA 11.1 CONTRIBUTING DRAINAGE AREA 11.1* DATUM 850.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	0.00	0.00	---	0.00	3.63	0.01	0.00
2	---	---	---	---	---	0.00	0.00	---	0.00	0.01	0.00	0.00
3	---	---	---	---	---	0.00	0.00	---	0.46	0.00	0.61	0.00
4	---	---	---	---	---	0.02	0.03	---	0.83	0.00	0.00	0.00
5	---	---	---	---	---	0.60	0.20	---	0.00	0.22	0.18	0.00
6	---	---	---	---	---	1.63	0.01	---	0.49	0.00	0.10	0.07
7	---	---	---	---	---	0.07	1.06	---	0.51	0.00	0.13	0.01
8	---	---	---	---	0.00	0.00	0.07	---	0.00	0.00	0.01	0.00
9	---	---	---	---	0.12	0.00	0.11	0.00	0.07	0.00	0.00	0.00
10	---	---	---	---	0.48	0.00	0.05	0.00	0.00	1.10	0.00	0.00
11	---	---	---	---	0.00	0.00	0.00	0.23	0.13	0.18	0.00	0.00
12	---	---	---	---	0.00	0.00	0.00	0.00	0.14	0.00	0.15	0.00
13	---	---	---	---	0.00	0.00	0.00	0.00	---	0.01	0.23	0.00
14	---	---	---	---	0.00	0.00	0.00	0.10	---	0.00	0.07	0.05
15	---	---	---	---	0.01	0.52	0.00	0.92	---	0.49	0.00	0.01
16	---	---	---	---	0.83	0.00	0.00	0.01	---	0.00	0.00	0.00
17	---	---	---	---	0.00	0.77	0.20	0.17	2.97	0.00	0.00	0.00
18	---	---	---	---	0.00	0.01	0.00	1.17	1.37	0.00	0.00	0.00
19	---	---	---	---	0.01	2.15	0.00	0.06	0.00	0.04	0.02	0.00
20	---	---	---	---	0.00	1.18	0.00	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	0.09	0.00	0.60	0.72	0.00	0.00	0.00	0.01
22	---	---	---	---	0.69	0.00	0.00	0.69	0.00	0.78	0.00	1.38
23	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00
24	---	---	---	---	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00
25	---	---	---	---	0.00	0.00	---	0.11	0.00	0.00	0.00	0.00
26	---	---	---	---	0.34	0.65	---	0.24	0.00	0.00	0.00	0.00
27	---	---	---	---	0.21	0.01	---	0.00	0.06	0.00	0.00	0.10
28	---	---	---	---	0.01	0.00	---	0.00	0.59	---	0.00	0.00
29	---	---	---	---	---	0.10	---	0.00	0.00	---	0.06	0.00
30	---	---	---	---	---	0.35	---	0.00	0.27	---	1.16	0.00
31	---	---	---	---	---	0.00	---	0.00	---	0.57	0.00	---
TOTAL	---	---	---	---	---	8.06	---	---	---	---	2.73	1.63

APALACHICOLA RIVER BASIN
2003 Water Year

02344340 MORNING CREEK AT GA 54, NEAR FAYETTEVILLE, GA

LOCATION.—Lat 33°28'43", long 84°24'34" referenced to North American Datum (NAD) of 1927, Fayette County, Hydrologic Unit 03130005, at bridge crossing on GA 54, and 2.2 miles above mouth.

DRAINAGE AREA.—40.3 square miles.

COOPERATION.—U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---March 2003 to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
MAR													
25...	1245	9	80020	3.80	45	10	23	747	8.2	83	6.8	66	15.1
SEP													
18...	1145	9	80020	2.78	7.1	40	22	748	9.6	105	6.3	88	18.9

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)
MAR													
25...	2.56	4.3	.32	E.02	.34	E.004	<.02	.08	.034	.66	.5	<.1	.5
SEP													
18...	3.62	3.1	.21	<.04	.20	<.008	<.02	.04	.025	.41	.4	<.1	.4

Date	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)
MAR													
25...	4.0	72	<.09	<.006	<.1	<.005	E.003	<.004	<.004	<.006	<.006	<.004	.039
SEP													
18...	3.0	100	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	E.004t

02344340 MORNING CREEK AT GA 54, NEAR FAYETTEVILLE, GA---continued.

Date	Azinphos-methyl oxon, water, fltrd, ug/L (61635)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)
MAR													
25...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.04	<.005
SEP													
18...	--u	<.050	<.010	E.007t	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	E.003n

Date	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)
MAR													
25...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
SEP													
18...	<.08	<.005	<.006	<.03	<.004	<.031	--u	<.03	<.009	<.005	<.005	<.007	<.002

Date	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methidathion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)
MAR													
25...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
SEP													
18...	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	E.003t	<.006	<.008

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)
MAR													
25...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	.035	.05	<.07	<.02	<.01
SEP													
18...	<.022	<.10	<.011	<.06	<.008	E.01t	<.005	<.004	.010	.06	<.07	<.02	<.01

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
MAR						
25...	<.009	<.01	96	16	15.00	3045
SEP						
18...	<.009	<.01	98	12	15.00	3070

02344340 MORNING CREEK AT GA 54, NEAR FAYETTEVILLE, GA---continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
MAY								
01...	0945	D	15.8	160	173.3	1.3	1.8	280

Remark codes used in this report:
   < -- Less than
   E -- Estimated value

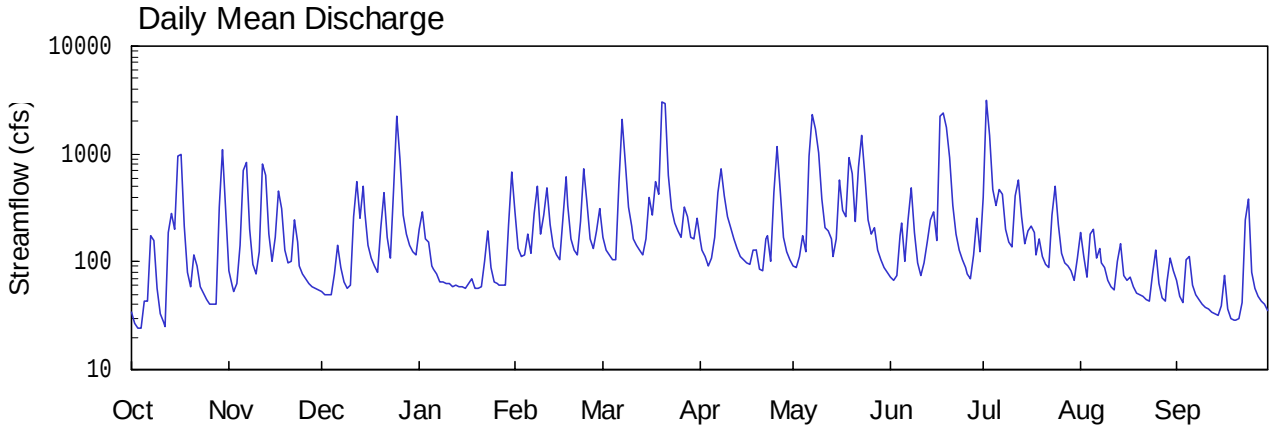
Value qualifier codes used in this report:
   n -- Below the NDV
   t -- Below the long-term MDL

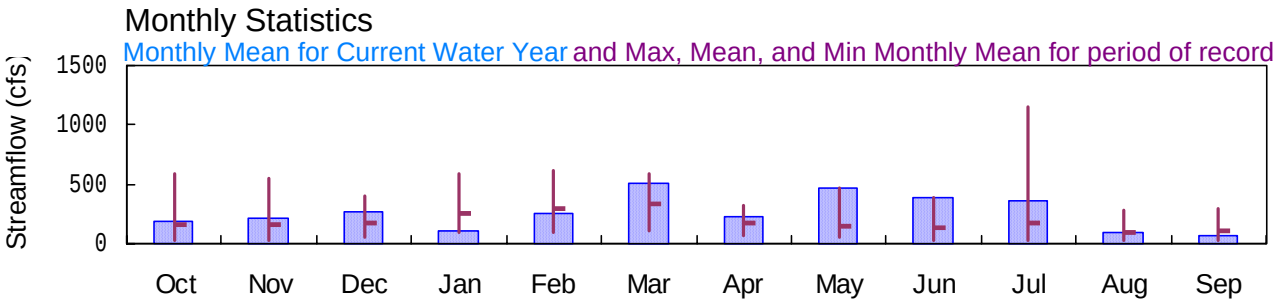
Null value qualifier codes used in this report:
   u -- Unable to determine-matrix interference

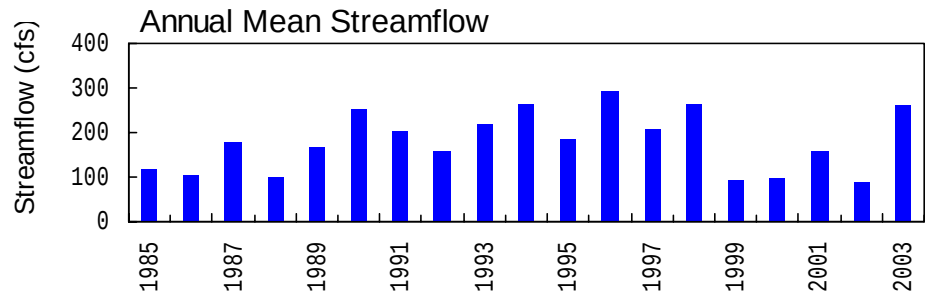
2003 Water Year

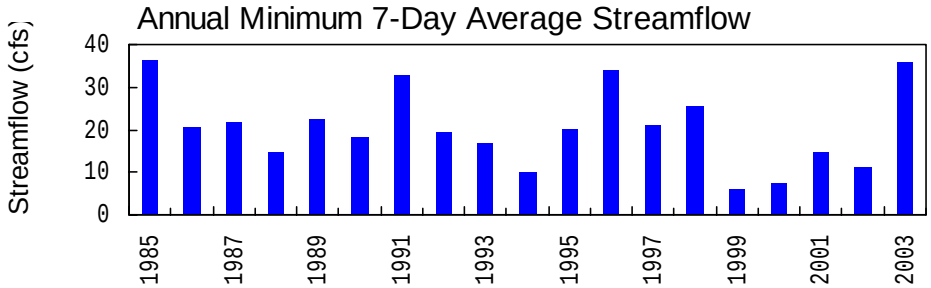
02344350 FLINT RIVER NEAR LOVEJOY, GA

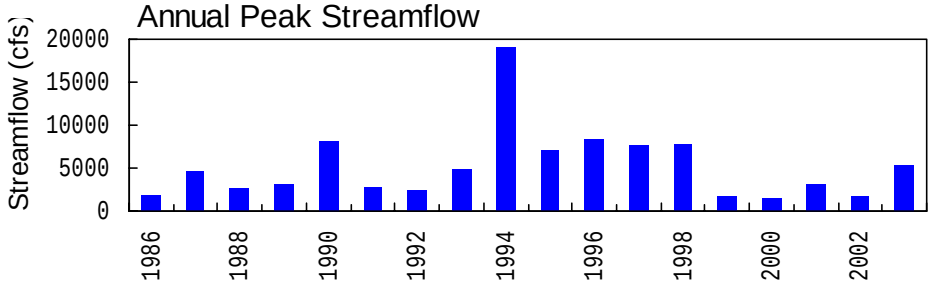
Latitude: 33°24'56" Longitude: 084°23'05" Hydrologic Unit Code: 03130005 Clayton County
Drainage Area: 130 mi² Datum: 758.7 feet

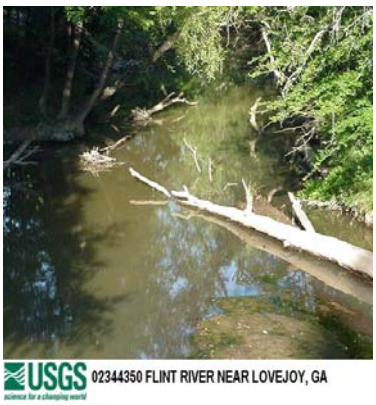












APALACHICOLA RIVER BASIN
2003 Water Year

02344350 FLINT RIVER NEAR LOVEJOY, GA

LOCATION.—Lat 33°24'56", long 84°23'05" referenced to North American Datum (NAD) of 1983, Clayton County, Hydrologic Unit 03130005, at the downstream side of bridge on North Bridge Road (revised), 0.7 miles upstream from Shoal Creek, 4.4 miles southwest of Lovejoy, 4.7 miles southeast of Fayetteville, and at mile 325.7.

DRAINAGE AREA.—130 square miles.

COOPERATION.—Clayton County Water Authority.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1985 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 758.75 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Clayton County Water Authority).

REMARKS.—Records good. Discharge affected by diversion by the Clayton County Water Authority.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,300 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
10/16	2200	1,410	9.90
10/30	0445	1,310	9.58
12/25	1200	2,840	12.23
03/07	1015	2,580	11.92
03/20	2230	5,350*	14.76*
04/26	0645	1,350	9.70
05/07	0115	2,840	12.23
05/23	0745	1,700	10.58
06/17	1145	3,240	12.68
07/02	1600	4,300	13.73

02344350 FLINT RIVER NEAR LOVEJOY, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1985 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 758.75 feet above sea level (levels by Clayton County Water Authority).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.76 feet, March 20; minimum gage-height recorded, 1.99 feet, September 22.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 10, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344350 FLINT RIVER NEAR LOVEJOY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 063
LATITUDE 332456 LONGITUDE 0842305 NAD83 DRAINAGE AREA 130 CONTRIBUTING DRAINAGE AREA 130* DATUM 758.75 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	84	53	197	292	167	158	91	72	396	189	68
2	27	61	50	290	135	128	127	88	68	3090	113	47
3	24	53	49	165	111	115	113	110	75	1490	73	42
4	24	63	50	152	116	103	90	174	173	460	182	106
5	44	143	77	92	182	105	109	125	231	336	203	113
6	44	695	144	85	118	542	167	945	103	460	106	61
7	176	826	89	78	280	2080	430	2340	244	427	133	49
8	159	198	66	66	499	820	736	1700	482	200	99	45
9	57	93	56	64	179	316	408	1010	188	152	87	40
10	33	78	61	63	272	214	258	386	97	137	68	37
11	28	122	259	62	491	164	206	207	75	412	58	36
12	25	816	557	59	220	142	161	192	98	581	55	34
13	189	633	252	60	136	126	131	160	153	259	102	33
14	276	182	497	59	115	117	114	112	245	149	148	32
15	198	103	294	59	104	164	104	164	290	193	76	39
16	941	170	142	57	256	392	97	583	157	211	67	74
17	1000	452	108	63	606	272	95	298	2220	186	73	36
18	214	310	90	69	335	562	129	260	2350	115	58	30
19	80	127	79	58	160	420	128	938	1790	165	51	29
20	58	99	210	56	127	3050	85	664	920	113	49	28
21	115	101	436	58	114	2980	83	237	336	94	48	29
22	91	242	170	102	233	643	164	765	179	90	45	42
23	59	152	107	196	728	316	174	1490	127	273	43	245
24	51	91	463	89	354	232	100	646	104	507	78	378
25	44	78	2240	64	162	190	443	249	88	218	127	81
26	40	70	880	62	131	170	1180	180	77	119	62	56
27	40	62	272	61	193	327	450	206	69	99	47	47
28	40	59	178	60	309	259	167	129	115	90	43	43
29	322	57	142	61	---	168	124	105	251	83	66	41
30	1090	55	123	225	---	164	104	89	126	67	109	36
31	301	---	114	673	---	255	---	78	---	109	84	---
TOTAL	5824	6275	8308	3505	6958	15703	6835	14721	11503	11281	2742	1977
MEAN	188	209	268	113	248	507	228	475	383	364	88.5	65.9
MAX	1090	826	2240	673	728	3050	1180	2340	2350	3090	203	378
MIN	24	53	49	56	104	103	83	78	68	67	43	28
CFSM	1.45	1.61	2.06	0.87	1.91	3.90	1.75	3.65	2.95	2.80	0.68	0.51
IN.	1.67	1.80	2.38	1.00	1.99	4.49	1.96	4.21	3.29	3.23	0.78	0.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2003, BY WATER YEAR (WY)

MEAN	160	164	171	251	289	331	181	141	135	180	90.8	103
MAX	584	549	396	590	614	591	320	475	383	1147	275	300
(WY)	1996	1993	1993	1996	1990	2001	1989	2003	2003	1994	1992	1994
MIN	20.5	27.9	53.2	98.7	93.2	112	68.5	55.0	21.0	30.3	25.3	30.7
(WY)	2002	2002	1989	1986	2000	1988	1999	1992	1988	1988	1999	1987

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1985 - 2003	
ANNUAL TOTAL	49313.2		95632			
ANNUAL MEAN	135		262		183	
HIGHEST ANNUAL MEAN					294	1996
LOWEST ANNUAL MEAN					88.8	2002
HIGHEST DAILY MEAN	2240	Dec 25	3090	Jul 2	11000	Jul 5 1994
LOWEST DAILY MEAN	9.0	Aug 14	24	Oct 3	5.3	Sep 20 1999
ANNUAL SEVEN-DAY MINIMUM	11	Aug 9	36	Sep 9	5.9	Sep 14 1999
MAXIMUM PEAK FLOW			5350	Mar 20	19000	Jul 5 1994
MAXIMUM PEAK STAGE			14.76	Mar 20	23.60	Jul 5 1994
ANNUAL RUNOFF (CFSM)	1.04		2.02		1.41	
ANNUAL RUNOFF (INCHES)	14.11		27.37		19.12	
10 PERCENT EXCEEDS	282		570		368	
50 PERCENT EXCEEDS	70		126		88	
90 PERCENT EXCEEDS	24		47		27	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344350 FLINT RIVER NEAR LOVEJOY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 063
LATITUDE 332456 LONGITUDE 0842305 NAD83 DRAINAGE AREA 130 CONTRIBUTING DRAINAGE AREA 130* DATUM 758.75 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.26	3.05	2.63	4.20	4.91	3.94	3.86	3.15	3.06	5.40	3.98	2.69
2	2.15	2.75	2.59	4.93	3.63	3.56	3.56	3.11	3.01	12.30	3.23	2.38
3	2.10	2.63	2.57	3.92	3.38	3.42	3.40	3.37	3.10	9.69	2.76	2.29
4	2.08	2.78	2.58	3.80	3.43	3.29	3.14	4.01	4.15	5.94	3.85	3.08
5	2.44	3.71	2.95	3.15	4.08	3.31	3.34	3.53	4.65	5.11	4.05	3.22
6	2.48	7.05	3.72	3.07	3.46	6.20	3.93	7.60	3.44	5.94	3.16	2.59
7	4.02	7.79	3.12	2.99	4.80	11.18	5.86	11.60	4.62	5.70	3.45	2.41
8	3.84	4.16	2.82	2.82	6.25	7.72	7.47	10.51	6.28	4.07	3.07	2.33
9	2.68	3.17	2.68	2.79	4.04	5.12	5.69	8.55	4.25	3.65	2.94	2.26
10	2.28	2.98	2.74	2.78	4.77	4.36	4.71	5.68	3.37	3.50	2.68	2.20
11	2.17	3.46	4.62	2.77	6.23	3.92	4.29	4.45	3.10	5.60	2.55	2.18
12	2.12	7.66	6.57	2.72	4.39	3.71	3.89	4.33	3.36	6.65	2.50	2.14
13	4.08	6.91	4.66	2.73	3.64	3.55	3.59	4.03	3.97	4.53	3.07	2.12
14	4.84	4.05	6.25	2.72	3.43	3.45	3.41	3.55	4.74	3.61	3.60	2.10
15	4.10	3.28	4.93	2.72	3.30	3.90	3.30	4.05	5.08	4.02	2.79	2.21
16	8.14	3.94	3.70	2.68	4.59	5.63	3.22	6.76	3.99	4.16	2.67	2.75
17	8.48	5.98	3.34	2.77	6.87	4.80	3.19	5.09	10.95	3.94	2.75	2.18
18	4.25	5.03	3.14	2.86	5.21	6.59	3.57	4.78	11.60	3.26	2.55	2.06
19	3.01	3.55	2.99	2.70	3.88	5.77	3.55	8.30	10.75	3.74	2.44	2.03
20	2.70	3.24	4.28	2.68	3.55	12.04	3.07	7.10	8.17	3.24	2.40	2.03
21	3.42	3.26	5.90	2.70	3.42	12.08	3.04	4.69	5.37	3.02	2.39	2.04
22	3.13	4.56	3.95	3.26	4.45	6.96	3.89	7.35	4.21	2.97	2.34	2.24
23	2.73	3.78	3.33	4.20	7.39	5.12	3.99	10.06	3.72	4.60	2.31	4.38
24	2.59	3.14	5.73	3.11	5.32	4.50	3.25	7.01	3.46	6.23	2.74	5.32
25	2.49	2.98	11.38	2.80	3.90	4.16	5.76	4.78	3.26	4.19	3.36	2.85
26	2.42	2.87	7.91	2.76	3.60	3.98	9.15	4.22	3.12	3.31	2.60	2.52
27	2.41	2.76	4.79	2.75	4.16	5.19	5.88	4.45	3.02	3.08	2.37	2.38
28	2.41	2.72	4.05	2.74	5.07	4.70	3.94	3.73	3.56	2.97	2.30	2.31
29	4.64	2.69	3.70	2.75	---	3.96	3.52	3.47	4.80	2.89	2.60	2.26
30	8.85	2.66	3.51	4.36	---	3.92	3.30	3.28	3.69	2.68	3.17	2.17
31	4.87	---	3.41	7.18	---	4.68	---	3.15	---	3.16	2.88	---
MEAN	3.55	3.95	4.21	3.24	4.47	5.31	4.19	5.48	4.79	4.62	2.89	2.52
MAX	8.85	7.79	11.38	7.18	7.39	12.08	9.15	11.60	11.60	12.30	4.05	5.32
MIN	2.08	2.63	2.57	2.68	3.30	3.29	3.04	3.11	3.01	2.68	2.30	2.03

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344350 FLINT RIVER NEAR LOVEJOY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 063
LATITUDE 332456 LONGITUDE 0842305 NAD83 DRAINAGE AREA 130 CONTRIBUTING DRAINAGE AREA 130* DATUM 758.75 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.18	0.00	0.01	0.00	0.03	0.00	2.80	0.02	0.00
2	0.00	0.00	0.00	0.11	0.00	0.01	0.00	0.96	0.00	0.01	0.00	0.01
3	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.13	0.37	0.00	0.14	0.00
4	0.40	0.14	0.00	0.00	0.27	0.03	0.02	0.00	0.02	0.53	0.07	0.02
5	0.00	1.01	0.54	0.00	0.00	0.63	0.30	1.02	0.00	0.87	0.47	0.00
6	2.07	0.01	0.00	0.00	0.77	1.60	1.10	2.86	0.45	0.04	0.60	0.02
7	0.90	0.00	0.00	0.00	0.02	0.62	1.02	2.35	1.68	0.00	0.00	0.01
8	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.03	0.00	0.00	0.00	0.00
9	0.00	0.01	0.00	0.00	0.06	0.00	0.26	0.00	0.00	0.00	0.00	0.00
10	0.00	0.01	0.98	0.02	0.83	0.00	0.06	0.00	0.00	0.63	0.00	0.00
11	0.00	1.47	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.27	0.00	0.00
12	0.61	0.48	0.00	0.00	0.00	0.00	0.00	0.01	0.31	0.00	0.43	0.00
13	2.01	0.00	0.69	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.01	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.18	0.36	0.00	0.40
15	2.21	0.07	0.00	0.00	0.00	0.79	0.00	0.22	0.00	0.10	0.00	0.00
16	0.04	0.77	0.00	0.17	1.29	0.01	0.00	0.00	1.33	0.01	0.62	0.00
17	0.00	0.01	0.00	0.00	0.01	0.76	0.36	0.01	2.86	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.01	0.01	1.12	1.09	0.21	0.00	0.00
19	0.00	0.00	0.76	0.00	0.00	2.38	0.00	0.02	0.00	0.06	0.00	0.00
20	0.21	0.03	0.03	0.00	0.00	0.65	0.00	0.01	0.00	0.00	0.00	0.00
21	0.00	0.12	0.00	0.05	0.16	0.00	0.83	0.55	0.00	0.00	0.00	0.01
22	0.00	0.00	0.03	0.44	1.06	0.00	0.01	1.64	0.00	0.32	0.00	2.53
23	0.07	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.06	0.00
24	0.00	0.00	1.99	0.00	0.00	0.00	0.30	0.00	0.00	0.01	0.41	0.00
25	0.04	0.00	0.00	0.00	0.00	0.00	1.58	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.34	0.57	0.00	0.00	0.00	0.01	0.00	0.00
27	0.03	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.10	0.00	0.00	0.08
28	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.00	0.00
29	0.06	0.00	0.00	0.65	---	0.00	0.00	0.00	0.00	0.00	0.04	0.00
30	0.01	0.00	0.00	0.51	---	0.26	0.00	0.00	0.61	0.12	0.00	0.00
31	0.00	---	0.42	0.00	---	0.00	---	0.00	---	0.38	0.00	---
TOTAL	9.01	4.40	5.46	2.13	5.07	8.33	5.92	11.16	10.37	7.18	2.87	3.08

02344396 FLINT RIVER AT WOOLSEY ROAD, NEAR WOOLSEY, GA

LOCATION.—Lat 33° 21'35", long 84°23'40" referenced to North American Datum (NAD) of 1927, Fayette County, Hydrologic Unit 03130005, 7.0 miles west of Hampton, 7.0 miles southeast of Fayetteville, downstream of Hampton Woolsey Road by 70 feet near right bank.

DRAINAGE AREA.—160 square miles.

COOPERATION.—Fayette County Water System.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—May 3, 2000 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 769.29 feet above National Geodetic Vertical Datum (NGVD) of 1983.

RATING.—Rating Number 2, effective October 1, 2001 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/01/02	39.01	34.6
04/24/03	39.50	120

APALACHICOLA RIVER BASIN
2003 Water Year

02344397 FLINT RIVER BELOW WOOLSEY ROAD, NEAR WOOLSEY, GA

LOCATION.—Lat 33° 21'34", long 84°23'40" referenced to North American Datum (NAD) of 1927, Clayton County, Hydrologic Unit 03130005, 7.0 miles west of Hampton, 7.0 miles southeast of Fayetteville, 150.0 feet downstream of bridge near left bank.

DRAINAGE AREA.—160 square miles.

COOPERATION.—City of Griffin.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—May 3, 2000 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 760.00 feet above National Geodetic Vertical Datum (NGVD) of 1983 (from topographic map).

RATING.—Rating Number 2, effective October 1, 2001 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/01/02	5.19	34.6
04/24/03	5.68	120

02344412 FLINT RIVER NEAR LOWRY, GA

LOCATION.—Lat 33°18'12", long 84°23'45" referenced to North American Datum (NAD) of 1927, Spalding-Fayette County line, Hydrologic Unit 03130005, 11.0 miles southeast of Fayetteville, 9.0 miles northwest of Griffin.

DRAINAGE AREA.—195 square miles.

COOPERATION.—City of Griffin.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—May 1998 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 730.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 3, in effect October 1, 2000 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/01/02	2.58	35.1

APALACHICOLA RIVER BASIN
2003 Water Year

02344480 SHOAL CREEK NEAR GRIFFIN, GA

LOCATION.—Lat 33°15'33", long 84°23'18" referenced to North American Datum (NAD) of 1927, Spalding County, Hydrologic Unit 03130005, at bridge crossing on Vaughn Road, 1.0 mile above Head Creek, and 2.92 miles above mouth.

DRAINAGE AREA.—20.5 square miles.

COOPERATION.—U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---November 2002 to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
NOV													
14...	1400	9	80020	5.21	E42	10	47	751	8.8	85	6.4	51	13.2
JAN													
23...	1545	9	80020	4.19	E10	10	9.4	753	11.1	89	6.6	56	5.6
MAR													
13...	1230	9	80020	4.84	24	10	13	748	8.8	91	6.5	52	16.3
MAY													
21...	1430	9	80020	4.80	27	10	15	750	7.9	88	6.7	55	19.8
JUL													
18...	1230	9	80020	4.50	19	10	13	751	7.0	85	6.6	58	24.1
SEP													
17...	1200	9	80020	4.05	8.0	40	13	751	8.9	99	6.8	62	19.7

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)
NOV													
14...	2.39	4.2	.33	--	<.04	.32	<.008	--	<.02	.18	.071	.65	1.2
JAN													
23...	3.10	3.0	.20	.05	.04	.24	<.008	.15	<.02	.07	.017	.44	.4
MAR													
13...	2.83	3.2	.50	.34	.26	.19	<.008	.23	<.02	.10	.053	.69	.8
MAY													
21...	3.52	2.6	.32	.12	.09	.23	E.006	.23	<.02	.07	.038	.55	.8
JUL													
18...	3.15	1.8	.29	--	E.02	.21	<.008	--	<.02	.06	.028	.50	.5
SEP													
17...	3.97	1.4	.14	--	<.04	.20	<.008	--	<.02	.04	.020	.34	.4

02344480 SHOAL CREEK NEAR GRIFFIN, GA---continued.

Date	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)
NOV													
14...	<.1	1.2	3.4	400	E.01	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006
JAN													
23...	<.1	.4	1.6	--	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006
MAR													
13...	<.1	.8	2.5	66	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006
MAY													
21...	<.1	.8	2.3	110	<.09	<.006	<.1	<.005	E.005	<.004	<.004	<.006	<.006
JUL													
18...	<.1	.5	2.6	85	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006
SEP													
17...	<.1	.4	1.9	250	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006

Date	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)	Azinphos-methyl oxon, water, fltrd, ug/L (61635)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)
NOV													
14...	<.004	E.004	<.02	<.050	<.010	E.020	<.06	<.005	<.006	<.008	<.009	<.003	<.004
JAN													
23...	<.004	<.007	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004
MAR													
13...	<.004	.016	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004
MAY													
21...	<.004	.024	<.02	<.050	<.010	<.041	<.06	E.003	<.006	<.008	<.009	<.003	<.004
JUL													
18...	<.004	E.004n	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004
SEP													
17...	<.004	.007	--u	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004

Date	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)
NOV													
14...	--	.011	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
JAN													
23...	<.04	E.003	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
MAR													
13...	<.04	<.005	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
MAY													
21...	<.01	E.004	<.08	<.005	<.006	<.03	<.004	.013	<.12	.03	<.009	<.005	<.005
JUL													
18...	<.01	<.005	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005
SEP													
17...	<.01	<.005	<.08	<.005	<.006	<.03	<.004	<.008	--u	<.03	<.009	<.005	<.005

02344480 SHOAL CREEK NEAR GRIFFIN, GA---continued.

Date	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)
NOV													
14...	<.007	<.002	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013
JAN													
23...	<.007	<.002	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013
MAR													
13...	<.007	<.002	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013
MAY													
21...	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013
JUL													
18...	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013
SEP													
17...	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013

Date	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)
NOV													
14...	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005	<.004	.148	<.02	<.07
JAN													
23...	<.006	<.008	<.022	<.10	<.011	<.06	<.008	M	<.005	<.004	.103	<.02	<.07
MAR													
13...	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	.017	<.02	<.07
MAY													
21...	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005	.019	.008	<.02	<.07
JUL													
18...	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01n	<.005	<.004	<.005	<.02	<.07
SEP													
17...	<.006	<.008	<.022	<.10	<.011	<.06	<.008	Mt	<.005	<.004	.005	<.02	<.07

Date	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
NOV								
14...	<.02	<.01	<.009	<.01	92	36	15.00	3045
JAN								
23...	<.02	<.01	E.005	<.01	90	10	15.00	3045
MAR								
13...	<.02	<.01	<.009	<.01	98	16	15.00	3045
MAY								
21...	<.02	<.01	<.009	<.01	88	20	15.00	3045
JUL								
18...	<.02	<.01	<.009	<.01	96	11	15.00	3045
SEP								
17...	<.02	<.01	<.009	<.01	95	5	15.00	3070

02344480 SHOAL CREEK NEAR GRIFFIN, GA---continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
MAY								
02...	0900	D	4.4	54	58.00	2.4	4.6	280

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

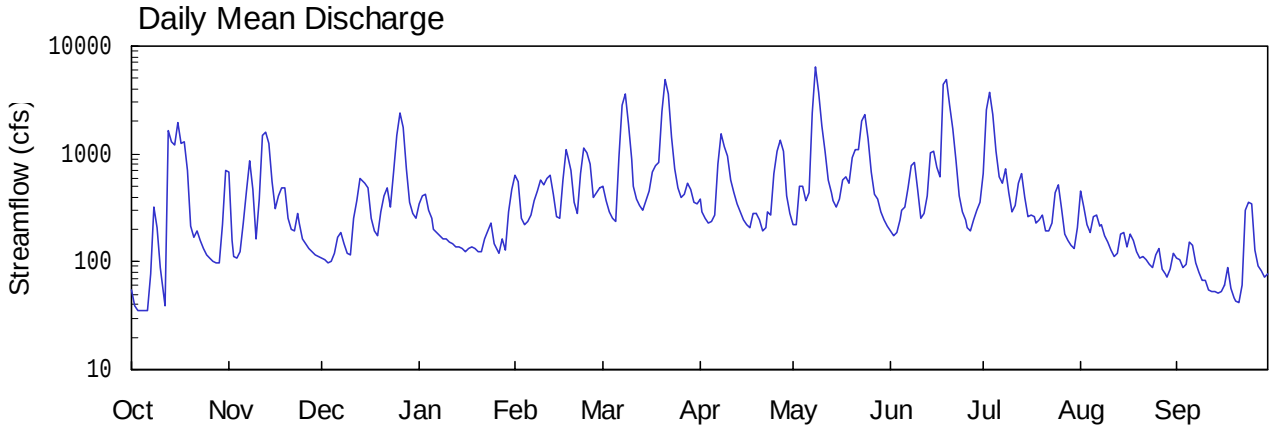
Value qualifier codes used in this report:
   n -- Below the NDV
   t -- Below the long-term MDL

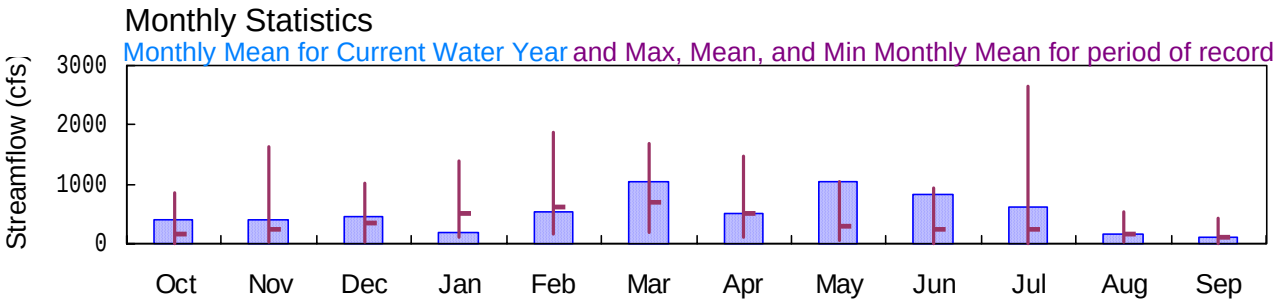
Null value qualifier codes used in this report:
   u -- Unable to determine-matrix interference

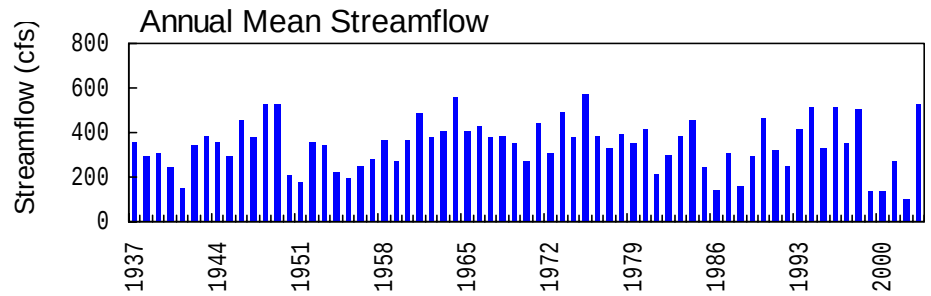
2003 Water Year

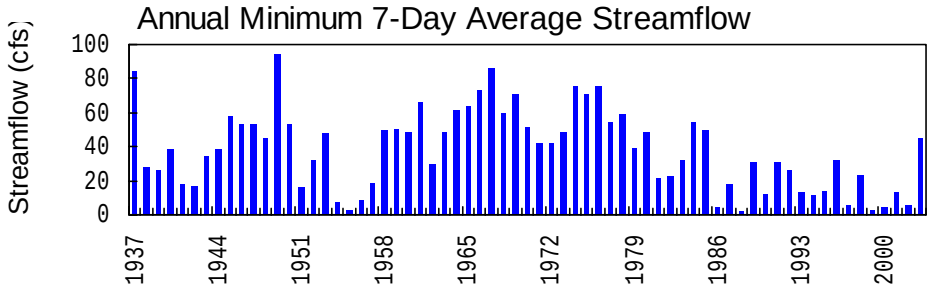
02344500 FLINT RIVER NEAR GRIFFIN, GA

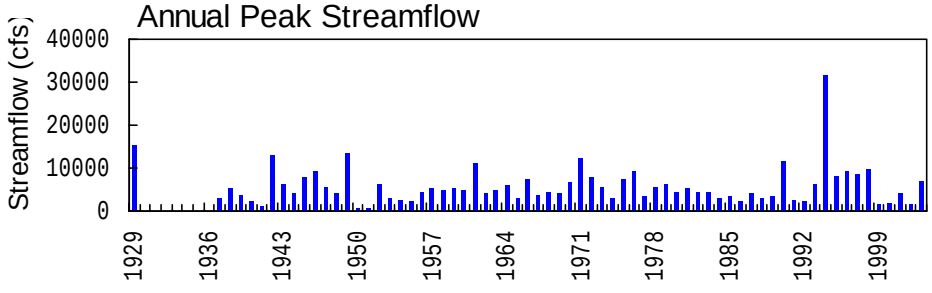
Latitude: 33°14'39" Longitude: 084°25'45" Hydrologic Unit Code: 03130005 Spalding County
Drainage Area: 272 mi² Datum: 711.4 feet











APALACHICOLA RIVER BASIN
2003 Water Year

02344500 FLINT RIVER NEAR GRIFFIN, GA

LOCATION.—Lat 33°14'39", long 84°25'45" referenced to North American Datum (NAD) of 1983, Spalding County, Hydrologic Unit 03130005, at downstream side of bridge pier on GA 16, 1.5 miles downstream from Shoal Creek, 5.5 miles upstream from Line Creek, 10.0 miles west of Griffin, and at mile 304.4.

DRAINAGE AREA.—272 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 1937 to current year.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 711.44 feet above National Geodetic Vertical Datum (NGVD) of 1927 (levels by U.S. Army Corps of Engineers). Prior to August 25, 1938, a non-recording gage was located at present site at a datum 3.00 feet higher. From August 25, 1938, to May 5, 1941, a non-recording gage was located at the site and from May 6, 1941 to August 20, 1959, a water-stage recorder was located at the site. From August 21, 1959 to September 13, 1960, a non-recording gage was located at the site. All gage installations were located at present site and datum.

REMARKS.—Records good, except for discharges below 48.0 cfs, which are fair. Some diurnal fluctuation occurs at low flow.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of March 14 or 15, 1929, reached a stage of 17.9 feet, present datum, from flood marks located by local resident, discharge, 15,300 cfs.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
10/13	1715	2,490	11.19
11/12	2045	2,110	10.77
12/26	1545	2,860	11.56
03/08	0715	4,090	12.53
03/21	2015	5,370	13.38
05/08	1000	6,920*	14.26*
05/24	0015	2,550	11.25
06/19	0245	5,830	13.65
07/03	1330	4,130	12.56

02344500 FLINT RIVER NEAR GRIFFIN, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 1937 to current year.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 711.44 feet above National Geodetic Vertical Datum (NGVD) of 1927 (levels by U.S. Army Corps of Engineers). Prior to August 25, 1938, a non-recording gage was located at present site at a datum 3.00 feet higher. From August 25, 1938, to May 5, 1941, a non-recording gage was located at the site and from May 6, 1941 to August 20, 1959, a water-stage recorder was located at the site. From August 21, 1959 to September 13, 1960, a non-recording gage was located at the site. All gage installations were located at present site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.26 feet, May 8; minimum gage-height recorded, 2.26 feet, October 6.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 10, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344500 FLINT RIVER NEAR GRIFFIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 255
LATITUDE 331439 LONGITUDE 0842545 NAD83 DRAINAGE AREA 272 CONTRIBUTING DRAINAGE AREA 272* DATUM 711.44 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	672	108	341	645	497	375	223	195	665	445	107
2	39	159	104	401	554	368	292	220	177	2540	319	104
3	36	112	99	416	254	295	252	500	189	3730	219	88
4	35	107	100	301	224	256	232	501	245	2340	189	94
5	36	124	121	255	235	237	238	367	301	1070	266	152
6	35	230	168	200	269	932	274	435	326	618	274	140
7	77	453	186	188	364	2850	793	2410	490	542	217	98
8	317	849	145	175	455	3650	1560	6460	791	736	221	80
9	205	471	121	164	578	1880	1190	3700	831	437	173	67
10	88	166	116	161	523	890	948	1840	463	293	150	67
11	52	383	250	154	599	502	573	1070	252	329	127	55
12	39	1470	373	147	645	384	438	578	284	527	110	53
13	1650	1590	599	139	422	329	349	438	409	653	121	52
14	1280	1240	561	136	266	296	290	365	1030	400	179	51
15	1220	551	529	131	253	372	242	323	1070	261	189	52
16	1930	308	478	126	583	457	219	383	743	268	136	61
17	1250	407	252	132	1110	675	210	577	622	265	182	89
18	1310	492	196	138	968	781	281	608	4400	231	156	56
19	713	482	173	134	698	825	282	540	4860	246	123	46
20	213	250	289	123	356	2450	241	934	2800	273	110	43
21	171	200	402	124	279	4860	194	1100	1680	191	111	42
22	190	194	488	164	668	3630	207	1110	849	196	103	60
23	156	279	322	194	1150	1440	293	2000	404	232	95	302
24	132	225	681	228	1010	726	274	2290	289	438	87	355
25	117	163	1510	148	814	485	658	1380	242	510	114	342
26	109	145	2430	127	391	399	1070	678	210	307	135	130
27	102	134	1790	121	444	416	1360	421	194	183	86	91
28	97	123	736	160	491	527	1060	387	241	157	78	81
29	99	117	362	128	---	467	409	293	298	141	73	71
30	220	112	285	288	---	360	280	244	352	132	84	78
31	692	---	251	475	---	349	---	214	---	207	120	---
TOTAL	12666	12208	14225	6119	15248	32585	15084	32589	25237	19118	4992	3107
MEAN	409	407	459	197	545	1051	503	1051	841	617	161	104
MAX	1930	1590	2430	475	1150	4860	1560	6460	4860	3730	445	355
MIN	35	107	99	121	224	237	194	214	177	132	73	42
CFSM	1.50	1.50	1.69	0.73	2.00	3.86	1.85	3.86	3.09	2.27	0.59	0.38
IN.	1.73	1.67	1.95	0.84	2.09	4.46	2.06	4.46	3.45	2.61	0.68	0.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2003, BY WATER YEAR (WY)

MEAN	164	244	357	501	604	706	517	303	232	248	159	119
MAX	863	1641	1009	1390	1880	1685	1466	1051	928	2644	548	437
(WY)	1996	1949	1984	1946	1961	1971	1964	2003	1963	1994	1967	1994
MIN	6.01	15.8	33.6	107	163	174	104	56.2	11.9	12.4	20.7	11.2
(WY)	1955	2002	2002	1956	1941	1988	1999	2000	1988	1988	2002	1954

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1937 - 2003	
ANNUAL TOTAL	74091.1		193178			
ANNUAL MEAN	203		529		345	
HIGHEST ANNUAL MEAN					573	1975
LOWEST ANNUAL MEAN					101	2002
HIGHEST DAILY MEAN	2430	Dec 26	6460	May 8	27000	Jul 6 1994
LOWEST DAILY MEAN	4.1	Sep 12	35	Oct 4	0.79	Jul 2 1988
ANNUAL SEVEN-DAY MINIMUM	5.6	Sep 7	45	Oct 1	1.8	Jun 27 1988
MAXIMUM PEAK FLOW			6920	May 8	32500	Jul 6 1994
MAXIMUM PEAK STAGE			14.26	May 8	24.22	Jul 6 1994
ANNUAL RUNOFF (CFSM)	0.75		1.95		1.27	
ANNUAL RUNOFF (INCHES)	10.13		26.42		17.22	
10 PERCENT EXCEEDS	515		1170		720	
50 PERCENT EXCEEDS	100		280		183	
90 PERCENT EXCEEDS	15		95		52	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344500 FLINT RIVER NEAR GRIFFIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 255
LATITUDE 331439 LONGITUDE 0842545 NAD83 DRAINAGE AREA 272 CONTRIBUTING DRAINAGE AREA 272* DATUM 711.44 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.67	6.80	3.47	5.17	6.79	6.05	5.36	4.43	4.23	6.82	5.76	3.48
2	2.40	3.78	3.44	5.51	6.31	5.33	4.88	4.40	4.09	11.18	5.05	3.45
3	2.33	3.31	3.38	5.60	4.64	4.90	4.63	6.07	4.18	12.27	4.41	3.30
4	2.33	3.26	3.39	4.93	4.44	4.65	4.50	6.07	4.58	10.96	4.19	3.35
5	2.33	3.44	3.60	4.65	4.51	4.52	4.53	5.32	4.93	8.54	4.71	3.88
6	2.32	4.38	4.01	4.26	4.74	7.70	4.77	5.69	5.09	6.82	4.77	3.79
7	2.89	5.81	4.16	4.18	5.30	11.51	7.18	10.56	5.97	6.48	4.39	3.39
8	5.01	7.66	3.82	4.07	5.82	12.20	9.91	14.01	7.45	7.32	4.42	3.22
9	4.16	5.78	3.60	3.99	6.47	10.35	8.97	12.19	7.62	5.92	4.06	3.09
10	3.06	3.85	3.55	3.96	6.19	7.83	8.08	10.36	5.84	5.10	3.87	3.09
11	2.62	5.27	4.60	3.90	6.58	6.07	6.44	8.50	4.62	5.33	3.67	2.93
12	2.40	9.44	5.35	3.84	6.80	5.41	5.72	6.46	4.82	6.40	3.51	2.90
13	9.40	9.95	6.56	3.77	5.62	5.10	5.22	5.72	5.42	6.98	3.61	2.88
14	9.08	9.09	6.38	3.75	4.72	4.91	4.87	5.31	8.40	5.71	4.11	2.87
15	8.81	6.25	6.22	3.70	4.63	5.34	4.56	5.07	8.52	4.88	4.19	2.88
16	10.47	4.98	5.93	3.65	6.35	5.83	4.40	5.40	7.24	4.93	3.75	3.00
17	9.11	5.54	4.62	3.70	8.71	6.92	4.34	6.46	6.67	4.91	4.13	3.31
18	9.30	6.02	4.24	3.76	8.18	7.41	4.81	6.61	12.54	4.66	3.93	2.94
19	6.95	5.96	4.06	3.72	7.02	7.60	4.82	6.27	13.03	4.77	3.63	2.78
20	4.26	4.61	4.85	3.62	5.25	10.94	4.55	8.02	11.49	4.97	3.51	2.73
21	3.90	4.26	5.52	3.63	4.80	13.06	4.22	8.66	10.06	4.36	3.52	2.71
22	4.08	4.22	6.00	3.98	6.75	12.13	4.31	8.67	7.70	4.40	3.44	2.95
23	3.77	4.80	5.04	4.22	8.84	9.52	4.88	10.55	5.71	4.67	3.36	4.93
24	3.53	4.44	6.73	4.46	8.33	7.15	4.77	10.97	5.06	5.95	3.29	5.25
25	3.38	3.97	9.82	3.85	7.52	5.99	6.73	9.45	4.75	6.32	3.54	5.16
26	3.28	3.82	11.09	3.66	5.45	5.49	8.53	6.91	4.51	5.16	3.73	3.70
27	3.20	3.72	10.20	3.61	5.75	5.59	9.46	5.62	4.39	4.30	3.28	3.33
28	3.15	3.61	7.14	3.95	6.02	6.22	8.48	5.43	4.74	4.07	3.20	3.23
29	3.17	3.57	5.29	3.66	---	5.88	5.55	4.89	5.13	3.92	3.14	3.13
30	4.23	3.51	4.84	4.81	---	5.28	4.81	4.57	5.47	3.84	3.25	3.19
31	6.96	---	4.62	5.93	---	5.22	---	4.36	---	4.32	3.61	---
MEAN	4.66	5.17	5.34	4.18	6.16	7.16	5.81	7.19	6.47	6.01	3.90	3.36
MAX	10.47	9.95	11.09	5.93	8.84	13.06	9.91	14.01	13.03	12.27	5.76	5.25
MIN	2.32	3.26	3.38	3.61	4.44	4.52	4.22	4.36	4.09	3.84	3.14	2.71

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344500 FLINT RIVER NEAR GRIFFIN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 255
LATITUDE 331439 LONGITUDE 0842545 NAD83 DRAINAGE AREA 272 CONTRIBUTING DRAINAGE AREA 272* DATUM 711.44 NGVD29

APPROVED

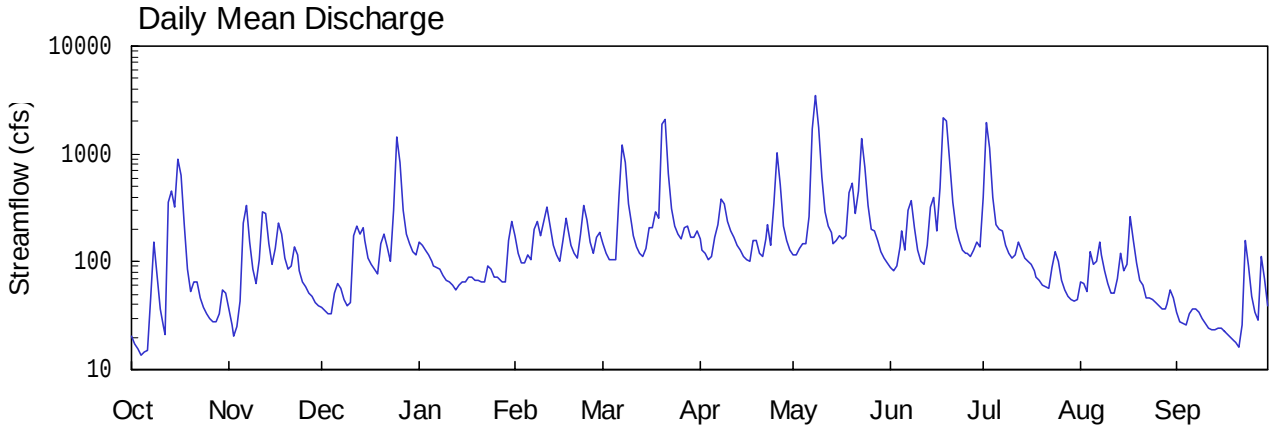
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

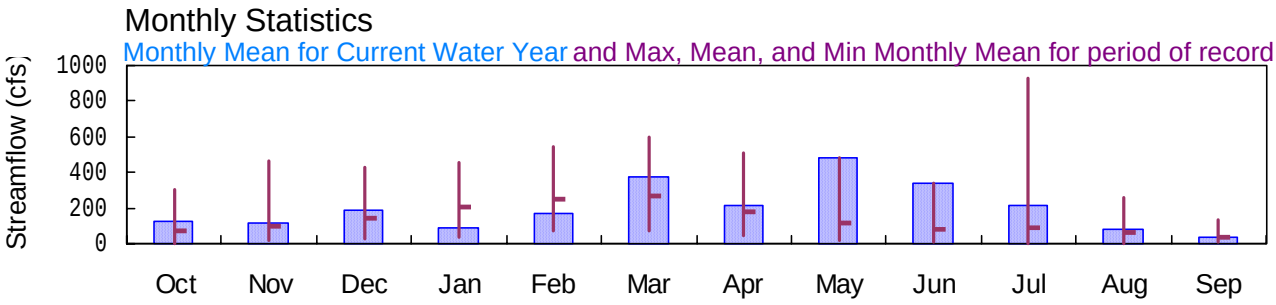
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.10	0.00	0.02	0.00	0.28	0.00	2.52	0.00	0.00
2	0.00	0.00	0.00	0.05	0.00	0.02	0.00	1.07	0.00	0.01	0.00	0.03
3	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.06	0.63	0.00	0.27	0.46
4	0.41	0.18	0.00	0.00	0.26	0.03	0.05	0.01	0.13	0.34	0.01	0.36
5	0.01	0.66	0.52	0.00	0.00	0.72	0.65	0.02	0.00	0.00	0.04	0.00
6	0.00	0.01	0.01	0.00	0.85	1.84	0.09	1.97	0.82	0.00	0.05	0.00
7	0.72	0.00	0.00	0.00	0.03	0.91	2.34	1.19	1.46	0.02	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.18	0.00	0.01	0.00	0.00
9	0.00	0.00	0.00	0.00	0.02	0.00	0.15	0.00	0.00	0.03	0.00	0.00
10	0.00	0.00	0.90	0.02	0.77	0.00	0.11	0.00	0.00	0.56	0.00	0.00
11	0.00	3.01	0.02	0.00	0.00	0.00	0.00	0.22	0.01	0.27	0.00	0.00
12	1.64	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.06	0.30	0.00
13	3.93	0.00	0.64	0.00	0.00	0.00	0.00	0.00	2.03	0.03	0.08	0.00
14	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.11	1.69	0.00	0.00	0.00
15	4.99	0.03	0.00	0.00	0.00	0.76	0.00	0.13	0.00	0.00	0.00	0.00
16	0.05	0.74	0.00	0.17	1.54	0.01	0.00	0.01	0.00	0.00	0.17	0.00
17	0.00	0.00	0.00	0.00	0.01	0.89	0.83	0.15	1.37	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.65	1.65	0.02	0.40	0.00
19	0.00	0.00	0.78	0.00	0.00	1.21	0.00	0.15	0.02	0.01	0.00	0.00
20	0.25	0.02	0.04	0.00	0.00	0.52	0.00	0.00	0.01	0.00	0.01	0.00
21	0.14	0.03	0.00	0.00	0.28	0.00	0.00	0.70	0.00	0.14	0.00	0.06
22	0.00	0.00	0.01	0.39	1.07	0.00	0.00	1.25	0.00	0.50	0.00	2.09
23	0.06	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.01
24	0.01	0.00	1.99	0.00	0.00	0.00	0.43	0.00	0.00	0.01	0.00	0.00
25	0.06	0.00	0.00	0.00	0.00	0.00	1.76	0.00	0.00	0.00	0.00	0.00
26	0.01	0.00	0.00	0.00	0.45	0.25	0.00	0.00	0.00	0.01	0.00	0.00
27	0.04	0.00	0.00	0.00	0.33	0.02	0.00	0.00	0.68	0.00	0.00	0.00
28	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.32	0.00
29	0.10	0.00	0.00	0.70	---	0.00	0.00	0.00	0.00	0.00	0.22	0.00
30	0.00	0.00	0.00	0.55	---	0.30	0.00	0.00	0.39	1.27	0.00	0.00
31	0.00	---	0.53	0.00	---	0.00	---	0.00	---	1.63	0.00	---
TOTAL	12.52	5.80	5.46	1.98	5.61	7.54	6.59	8.15	11.41	7.78	1.87	3.01

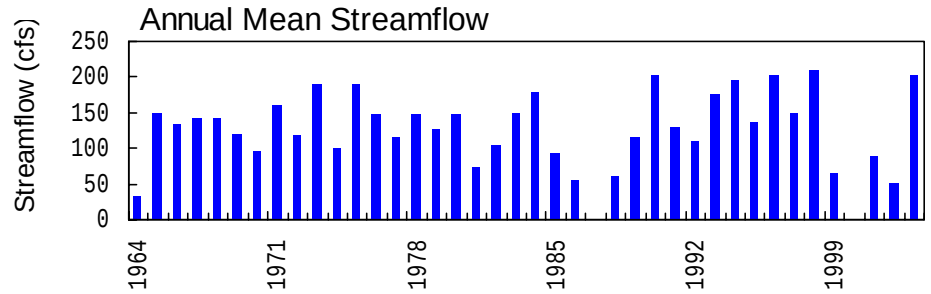
2003 Water Year

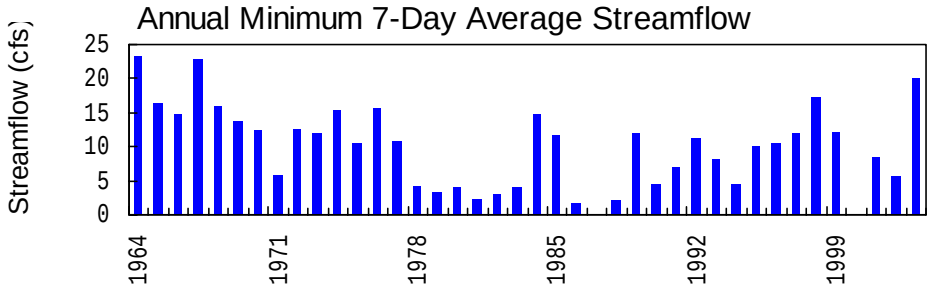
02344700 LINE CREEK NEAR SENOIA, GA

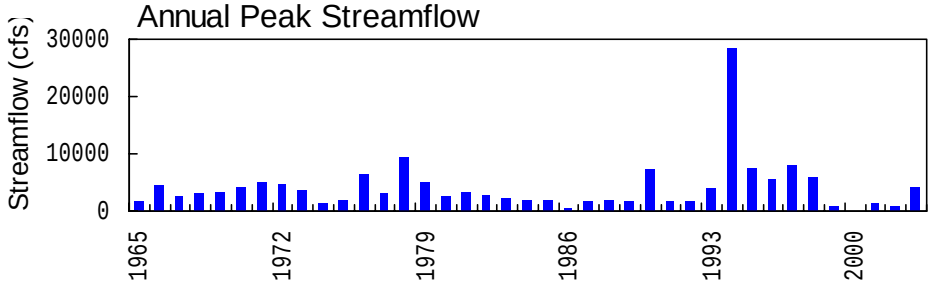
Latitude: 33°19'09" Longitude: 084°31'20" Hydrologic Unit Code: 03130005 Coweta County
Drainage Area: 101.0 mi² Datum: 729.2 feet











02344700 LINE CREEK NEAR SENOIA, GA

LOCATION.—Lat 33°19'09", long 84°31'20" referenced to North American Datum (NAD) of 1983, Coweta-Fayette County line, Hydrologic Unit 03130005, on downstream side of bridge on GA 85, 2.2 miles northeast of Senoia, 4.1 miles upstream from Whitewater Creek, and 11.2 miles upstream from mouth.

DRAINAGE AREA.—101 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—September 1964 to current year.

REVISED RECORDS.—WDR GA-87-1: 1986 (m).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 729.27 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records fair.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
12/25	1330	1,720	9.72
03/07	1545	1,430	9.24
03/20	2030	3,650	11.79
04/26	1045	1,140	8.68
05/08	1345	4,060*	12.09*
05/23	1000	1,620	9.57
06/18	1245	2,320	10.56
07/02	1330	2,170	10.36

02344700 LINE CREEK NEAR SENOIA, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—September 1964 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 729.27 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.09 feet, May 8; minimum gage-height recorded, 1.24 feet, October 4.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 27, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344700 LINE CREEK NEAR SENOIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 077
LATITUDE 331909 LONGITUDE 0843120 NAD83 DRAINAGE AREA 101.00 CONTRIBUTING DRAINAGE AREA 101.00* DATUM 729.27 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	36	37	151	176	145	161	115	89	397	64	34
2	17	26	36	140	118	119	130	116	82	1970	62	28
3	15	21	33	128	98	106	119	134	92	1120	53	27
4	14	25	33	116	99	106	104	146	138	390	122	26
5	15	44	51	102	116	105	111	149	192	218	94	33
6	15	232	63	93	106	398	166	259	128	200	101	37
7	47	327	57	88	203	1210	223	1720	296	e195	153	37
8	153	153	45	85	238	825	382	3450	372	e140	115	34
9	76	85	40	75	172	345	346	1760	203	e120	81	30
10	36	63	41	67	233	221	236	615	128	e110	62	27
11	25	105	176	66	327	173	195	293	101	e115	52	24
12	21	289	214	60	211	138	168	217	95	e150	51	23
13	359	284	182	56	144	121	145	184	141	e130	68	24
14	449	148	203	62	115	112	127	149	327	e110	120	24
15	317	95	156	65	102	134	113	157	388	e100	82	24
16	882	133	108	65	157	204	105	173	190	e95	95	23
17	630	229	96	72	254	209	100	160	486	82	265	21
18	218	179	86	71	204	294	157	172	2140	73	158	20
19	84	110	77	68	144	255	160	440	2010	66	97	19
20	53	85	149	67	118	1860	122	545	870	60	66	18
21	64	91	183	66	107	2080	111	283	357	58	60	16
22	65	137	137	65	181	648	163	458	205	57	46	26
23	47	116	102	93	338	307	219	1380	155	87	46	155
24	38	82	305	87	244	216	142	762	128	122	45	93
25	33	65	1460	73	150	181	341	328	121	102	42	49
26	29	58	825	72	120	164	1010	198	121	68	39	34
27	27	51	297	69	168	208	512	193	113	55	36	29
28	28	48	183	66	189	213	215	156	129	48	37	112
29	32	42	147	65	---	166	158	125	154	44	e40	69
30	54	39	124	158	---	169	129	108	136	43	e55	39
31	51	---	116	239	---	194	---	98	---	44	46	---
TOTAL	3914	3398	5762	2750	4832	11626	6370	15043	10087	6569	2453	1155
MEAN	126	113	186	88.7	173	375	212	485	336	212	79.1	38.5
MAX	882	327	1460	239	338	2080	1010	3450	2140	1970	265	155
MIN	14	21	33	56	98	105	100	98	82	43	36	16
CFSM	1.25	1.12	1.84	0.88	1.71	3.71	2.10	4.80	3.33	2.10	0.78	0.38
IN.	1.44	1.25	2.12	1.01	1.78	4.28	2.35	5.54	3.72	2.42	0.90	0.43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2003, BY WATER YEAR (WY)

MEAN	68.1	101	140	204	246	269	177	120	82.0	85.8	60.3	38.9
MAX	306	465	425	460	547	597	509	485	336	933	261	138
(WY)	1990	1993	1984	1990	1995	1971	1979	2003	2003	1994	1992	1994
MIN	4.12	13.8	29.5	36.0	74.8	71.8	43.7	21.0	4.63	3.15	3.93	5.32
(WY)	1979	1982	2002	1981	2002	1988	1986	2000	1988	1988	1986	1986

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1964 - 2003	
ANNUAL TOTAL	29690.7		73959			
ANNUAL MEAN	81.3		203		132	
HIGHEST ANNUAL MEAN					210	1998
LOWEST ANNUAL MEAN					50.9	2002
HIGHEST DAILY MEAN	1460	Dec 25	3450	May 8	15000	Jul 5 1994
LOWEST DAILY MEAN	4.4	Sep 12	14	Oct 4	1.0	Oct 7 1986
ANNUAL SEVEN-DAY MINIMUM	5.5	Sep 7	20	Sep 15	1.3	Oct 1 1986
MAXIMUM PEAK FLOW			4060	May 8	28400	Jul 5 1994
MAXIMUM PEAK STAGE			12.09	May 8	20.10	Jul 5 1994
ANNUAL RUNOFF (CFSM)	0.81		2.01		1.31	
ANNUAL RUNOFF (INCHES)	10.94		27.24		17.77	
10 PERCENT EXCEEDS	184		345		272	
50 PERCENT EXCEEDS	40		116		68	
90 PERCENT EXCEEDS	10		33		16	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344700 LINE CREEK NEAR SENOIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 077
LATITUDE 331909 LONGITUDE 0843120 NAD83 DRAINAGE AREA 101.00 CONTRIBUTING DRAINAGE AREA 101.00* DATUM 729.27 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.43	2.05	2.07	3.43	3.76	3.36	3.56	2.99	2.82	5.35	2.45	1.90
2	1.35	1.83	2.04	3.30	3.03	3.04	3.18	3.01	2.71	10.08	2.41	1.79
3	1.31	1.71	1.99	3.15	2.76	2.87	3.04	3.23	2.85	8.51	2.26	1.76
4	1.26	1.82	1.99	3.01	2.77	2.87	2.84	3.37	3.49	5.95	3.26	1.75
5	1.29	2.17	2.31	2.81	3.00	2.85	2.94	3.40	4.15	4.45	2.89	1.89
6	1.30	4.57	2.53	2.69	2.87	5.59	3.61	4.64	3.36	4.25	2.98	1.96
7	1.86	5.53	2.42	2.62	4.13	8.79	4.35	9.64	5.07	---	3.69	1.97
8	3.51	3.73	2.22	2.57	4.60	7.83	5.98	11.61	5.88	---	3.17	1.91
9	2.43	2.85	2.11	2.44	3.70	5.63	5.68	9.68	4.27	---	2.71	1.82
10	1.78	2.51	2.14	2.31	4.49	4.37	4.57	7.13	3.35	---	2.41	1.76
11	1.55	3.09	4.00	2.29	5.53	3.71	4.01	5.21	2.98	---	2.24	1.71
12	1.46	5.18	4.44	2.20	4.23	3.27	3.64	4.44	2.90	---	2.23	1.69
13	5.59	5.12	4.09	2.13	3.35	3.06	3.35	4.06	3.53	---	2.51	1.70
14	6.40	3.68	4.32	2.22	2.99	2.95	3.14	3.63	5.45	---	3.25	1.70
15	5.23	2.99	3.78	2.28	2.82	3.23	2.97	3.73	6.00	---	2.71	1.71
16	8.06	3.47	3.17	2.28	3.52	4.14	2.85	3.93	4.13	---	2.86	1.67
17	7.23	4.59	3.00	2.39	4.80	4.20	2.79	3.78	6.08	2.72	4.94	1.63
18	4.40	4.04	2.86	2.38	4.13	5.22	3.50	3.90	10.31	2.58	3.73	1.60
19	2.83	3.20	2.73	2.33	3.35	4.79	3.53	6.29	10.12	2.48	2.92	1.57
20	2.36	2.85	3.68	2.30	3.03	9.34	3.07	6.92	7.94	2.38	2.48	1.55
21	2.53	2.93	4.10	2.29	2.88	10.10	2.94	5.10	5.73	2.35	2.38	1.52
22	2.55	3.56	3.55	2.28	3.83	7.24	3.61	6.34	4.30	2.33	2.14	1.72
23	2.24	3.27	3.08	2.69	5.63	5.32	4.33	9.13	3.72	2.79	2.15	3.71
24	2.08	2.81	5.00	2.60	4.63	4.30	3.32	7.65	3.36	3.28	2.12	2.86
25	1.97	2.55	9.25	2.40	3.43	3.82	5.34	5.49	3.25	2.99	2.07	2.18
26	1.91	2.43	7.80	2.38	3.05	3.58	8.37	4.22	3.26	2.51	2.02	1.91
27	1.87	2.33	5.17	2.35	3.66	4.20	6.62	4.17	3.14	2.29	1.95	1.81
28	1.88	2.26	3.85	2.29	3.93	4.26	4.29	3.72	3.37	2.18	1.96	3.14
29	1.97	2.16	3.38	2.28	---	3.61	3.52	3.32	3.71	2.10	---	2.51
30	2.37	2.10	3.11	3.54	---	3.66	3.17	3.08	3.47	2.07	---	2.01
31	2.32	---	3.00	4.61	---	4.00	---	2.94	---	2.10	2.14	---
MEAN	2.78	3.11	3.52	2.61	3.71	4.68	3.94	5.15	4.49	---	---	1.95
MAX	8.06	5.53	9.25	4.61	5.63	10.10	8.37	11.61	10.31	---	---	3.71
MIN	1.26	1.71	1.99	2.13	2.76	2.85	2.79	2.94	2.71	---	---	1.52

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02344700 LINE CREEK NEAR SENOIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 077
LATITUDE 331909 LONGITUDE 0843120 NAD83 DRAINAGE AREA 101.00 CONTRIBUTING DRAINAGE AREA 101.00* DATUM 729.27 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	---	---	0.08	0.02	0.00	0.39	0.00	1.81	0.05	0.00
2	0.00	---	---	---	0.04	0.05	0.00	0.79	0.02	0.01	0.00	0.00
3	0.00	---	---	---	0.43	0.06	0.00	0.16	0.54	0.00	0.24	0.00
4	0.20	---	---	---	0.50	0.03	0.03	0.00	0.11	0.20	0.01	0.28
5	0.00	---	---	---	0.50	0.71	0.17	0.21	0.02	0.04	0.07	0.00
6	0.00	---	---	---	1.10	2.12	0.22	2.60	0.56	0.37	0.07	0.01
7	0.09	---	---	---	0.19	0.73	1.71	2.84	2.16	0.03	0.01	0.01
8	0.01	---	---	---	0.07	0.00	0.15	0.15	0.01	0.01	0.01	0.00
9	0.00	---	---	---	0.10	0.00	0.23	0.01	0.00	0.10	0.00	0.00
10	0.00	---	---	---	1.11	0.01	0.09	0.00	0.00	0.14	0.00	0.00
11	0.00	---	---	---	0.27	0.00	0.02	0.13	0.08	0.28	0.00	0.00
12	0.78	---	---	---	0.27	0.00	0.00	0.01	0.61	0.00	0.17	0.00
13	4.99	---	---	---	0.48	0.00	0.00	0.01	0.52	0.00	0.18	0.00
14	0.00	---	---	---	0.48	0.00	0.01	0.09	0.15	---	0.00	0.02
15	3.47	---	---	0.32	0.08	0.44	0.00	0.33	0.01	---	0.00	0.00
16	0.08	---	---	0.52	1.03	0.00	0.01	0.01	0.54	---	0.61	0.00
17	0.00	---	---	0.19	0.21	0.80	0.53	0.09	1.37	0.01	0.00	0.00
18	0.01	---	---	0.07	0.46	0.02	0.00	1.18	0.23	0.06	0.54	0.00
19	0.00	---	---	0.03	0.48	2.44	0.00	0.00	0.04	0.00	0.00	0.00
20	0.18	---	---	0.14	0.45	0.76	0.00	0.00	0.01	0.00	0.01	0.00
21	0.02	---	---	0.24	0.50	0.00	0.06	0.76	0.00	0.01	0.00	0.09
22	0.00	---	---	0.46	1.35	0.00	0.00	1.31	0.00	0.42	0.00	1.68
23	0.06	---	---	0.23	0.02	0.00	0.00	0.00	0.00	0.18	0.25	0.02
24	0.00	---	---	0.14	0.38	0.00	0.42	0.00	0.01	0.00	0.00	0.00
25	0.04	---	---	0.14	0.53	0.00	1.87	0.00	0.01	0.00	0.00	0.00
26	0.00	---	---	0.00	0.80	0.77	0.00	0.00	0.00	0.00	0.00	0.00
27	0.02	---	---	0.25	0.43	0.02	0.00	0.00	0.09	0.00	0.00	0.99
28	0.12	---	---	0.50	0.14	0.00	0.00	0.00	0.38	0.05	0.02	0.01
29	0.02	---	---	1.14	---	0.02	0.00	0.00	0.00	0.02	---	0.00
30	---	---	---	0.67	---	0.32	0.00	0.00	0.33	0.00	---	0.00
31	---	---	---	0.22	---	0.00	---	0.00	---	0.52	0.00	---
TOTAL	---	---	---	---	12.48	9.32	5.52	11.07	7.80	---	---	3.11

APALACHICOLA RIVER BASIN
2003 Water Year

02344737 WHITEWATER CREEK AT WILLOW POND ROAD, NEAR FAYETTEVILLE, GA

LOCATION.—Lat 33°24'42", long 84°29'53" referenced to North American Datum (NAD) of 1927, Fayette County, Hydrologic Unit 03130005, at bridge crossing on Willow Pond Road, 1.0 mile above Head Creek, and 12.0 miles above mouth.

DRAINAGE AREA.—42.9 square miles.

COOPERATION.—U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---November 2002 to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
NOV													
13...	1615	9	80020	5.45	--	40	18	750	7.6	77	6.7	84	15.0
JAN													
22...	1300	9	80020	4.90	54	10	27	747	10.2	88	7.0	79	8.2
MAR													
25...	1445	9	80020	5.15	--	40	29	746	7.9	85	6.8	70	17.9
MAY													
27...	1600	9	80020	5.39	--	40	17	748	6.7	78	6.7	63	21.6
JUL													
11...	1515	9	80020	6.13	--	40	14	748	6.1	76	6.7	63	25.7
SEP													
15...	1745	9	80020	3.70	9.1	10	17	748	6.3	75	6.7	132	23.4

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)
NOV													
13...	4.82	7.6	.42	--	<.04	--	--	.09	--	E.004	--	.09	.08
JAN													
22...	4.04	5.7	.63	.26	.20	--	--	.23	--	E.007n	.43	.03	.21
MAR													
25...	3.81	6.2	.47	.10	.07	--	--	.13	--	E.005	.40	.15	.14
MAY													
27...	3.50	3.7	.57	.10	.08	.629	.14	.15	.036	.011	.49	E.01	.06
JUL													
11...	3.79	3.0	.38	.07	.05	--	--	.12	--	E.005	.33	E.01	.06
SEP													
15...	9.92	9.5	.41	--	<.04	--	--	.20	--	E.006n	--	<.18d	.06

02344737 WHITEWATER CREEK AT WILLOW POND ROAD, NEAR FAYETTEVILLE, GA---continued.

Date	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor-ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naph-thol, water, fltrd 0.7u GF ug/L (49295)	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)-amino] propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)
NOV													
13...	.184	.51	.6	--i	--i	6.3	210	--	--	--	--	--	--
JAN													
22...	.125	.85	1.6	<.1	1.6	2.8	160	<.09	<.006	<.1	<.005	<.006	<.004
MAR													
25...	.23	.60	1.0	<.1	1.0	4.4	47	<.09	<.006	<.1	<.005	<.006	<.004
MAY													
27...	.080	.72	.5	.3	.1	4.6	200	<.09	<.006	<.1	<.005	E.007	<.004
JUL													
11...	.060	.51	.6	<.1	.6	4.7	--	<.09	<.006	<.1	<.005	<.006	<.004
SEP													
15...	.116	.61	.4	<.1	.4	3.5	600	<.09	<.006	<.1	<.005	E.003n	<.004

Date	3,4-Di-chloro-aniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	Cyflu-thrin, water, fltrd, ug/L (61585)
NOV													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
22...	.018	<.006	<.006	<.004	.014	<.02	<.050	<.010	E.014	<.06	<.005	<.006	<.008
MAR													
25...	.010	<.006	<.006	<.004	.051	<.02	<.050	<.010	<.041	<.06	E.003	<.006	<.008
MAY													
27...	.010	<.006	<.006	<.004	.029	<.02	<.050	<.010	E.011	<.06	<.005	<.006	<.008
JUL													
11...	.006	<.006	<.006	<.004	.010	<.02	<.050	<.010	E.009t	<.06	<.005	<.006	<.008
SEP													
15...	.022	<.006	<.006	<.004	E.005n	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008

Date	Cyper-methrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diaz-inon oxon, water, fltrd, ug/L (61638)	Diazi-non, water, fltrd, ug/L (39572)	Dicro-tophos, water fltrd, ug/L (38454)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)
NOV													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
22...	<.009	E.002	<.004	<.04	.008	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03
MAR													
25...	<.009	<.003	<.004	<.04	.010	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03
MAY													
27...	<.009	<.003	<.004	<.01	.009	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03
JUL													
11...	<.009	<.003	<.004	<.01	E.004n	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03
SEP													
15...	<.009	<.003	<.004	<.01	<.005	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03

02344737 WHITEWATER CREEK AT WILLOW POND ROAD, NEAR FAYETTEVILLE, GA---continued.

Date	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)
NOV 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 22...	<.009	<.005	<.005	E.007	<.002	<.003	--	<1	<.003	<.008	<.027	<.005	<.006
MAR 25...	<.009	<.005	<.005	E.007	<.002	<.003	--	<1	<.003	<.008	<.027	<.005	<.006
MAY 27...	<.009	<.005	<.005	E.008	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006
JUL 11...	<.009	<.005	<.006	E.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.006	<.006
SEP 15...	<.009	.007	<.005	E.009	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006

Date	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)
NOV 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 22...	<.03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	M	<.005	<.004
MAR 25...	<.03	<.006	E.003	<.006	<.008	E.008	<.10	<.011	<.06	<.008	<.01	<.005	.006
MAY 27...	<.03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005	<.004
JUL 11...	<.03	<.006	E.004t	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01n	<.005	<.004
SEP 15...	<.03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01n	<.005	<.004

Date	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
NOV 13...	--	--	--	--	--	--	--	92	15	15.00	3070
JAN 22...	.664	<.02	<.07	<.02	<.01	<.009	<.01	93	30	15.00	3045
MAR 25...	.083	<.02	<.07	<.02	<.01	<.009	<.01	95	18	15.00	3070
MAY 27...	.017	<.02	<.07	<.02	<.01	<.009	<.01	96	15	15.00	8010
JUL 11...	.007	E.02n	<.07	<.02	<.01	<.009	<.01	93	10	15.00	3060
SEP 15...	.009	.03	<.07	<.02	<.01	<.009	<.01	91	11	15.00	3045

02344737 WHITEWATER CREEK AT WILLOW POND ROAD, NEAR FAYETTEVILLE, GA---continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
MAY								
01...	1200	D	18.2	E170	E190.2	2.5	2.2	280

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this report:
   d -- Diluted sample: method hi range exceeded
   n -- Below the NDV
   t -- Below the long-term MDL

Null value qualifier codes used in this report:
   i -- Required sample type not received

APALACHICOLA RIVER BASIN
2003 Water Year

02344797 WHITE OAK CREEK AT CANNON ROAD, NEAR RAYMOND, GA

LOCATION.—Lat 33°18'18", long 84°42'16" referenced to North American Datum (NAD) of 1927, Coweta County, Hydrologic Unit 03130005, at bridge crossing on Cannon Road, 0.8 miles above Pine Creek, and 22.5 miles above mouth.

DRAINAGE AREA.—47.3 square miles.

COOPERATION.—U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---November 2002 to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
NOV													
15...	1445	9	80020	7.18	--	40	11	745	8.6	79	6.8	94	10.8
JAN													
22...	1715	9	80020	6.89	--	40	9.8	746	9.8	86	7.3	102	8.5
MAR													
11...	1130	9	80020	7.61	--	40	24	744	8.2	77	7.4	66	12.4
MAY													
20...	1645	9	80020	8.19	--	40	32	751	6.6	72	6.7	61	18.8
JUL													
15...	1300	9	80020	7.60	--	40	21	752	5.8	70	6.6	69	24.4
SEP													
15...	1200	9	80020	6.33	12	40	17	749	7.2	85	7.2	114	22.4

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)
NOV													
15...	5.82	6.8	.29	--	<.04	--	--	.56	--	<.008	--	.03	.08
JAN													
22...	7.89	5.4	.41	.24	.19	3.26	.74	.75	.046	.014	.22	.06	.12
MAR													
11...	2.63	4.6	1.1	--	<.04	--	--	.44	--	<.008	--	<.02	.07
MAY													
20...	2.01	4.7	1.0	.08	.06	1.41	.32	.33	.026	.008	.93	<.02	.60
JUL													
15...	3.06	3.6	.30	--	<.04	--	--	.39	--	<.008	--	<.02	.05
SEP													
15...	7.21	4.5	.25	--	<.04	--	--	1.18	--	E.006n	--	.23d	<.02

02344797 WHITE OAK CREEK AT CANNON ROAD, NEAR RAYMOND, GA---continued.

Date	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor-ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naph-thol, water, fltrd 0.7u GF ug/L (49295)	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino] propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)
NOV													
15...	.105	.85	.4	<.1	.4	3.9	160	<.09	<.006	<.1	<.005	E.004	<.004
JAN													
22...	.117	1.2	.7	<.1	.7	2.5	120	<.09	<.006	<.1	<.005	E.003	<.004
MAR													
11...	.078	1.5	.6	<.1	.6	2.9	68	<.09	<.006	<.1	<.005	E.041	<.004
MAY													
20...	.25	1.3	6.8	--i	--i	4.8	110	<.09	<.006	<.1	<.005	E.010	<.004
JUL													
15...	.067	.69	.7	<.1	.7	3.6	--	E.01	<.006	<.1	<.005	E.005n	<.004
SEP													
15...	.30oc	1.4	<.1	<.1	<.1	2.6	130	<.09	<.006	<.1	<.005	E.004n	<.004

Date	3,4-Di-chloro-aniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	Cyflu-thrin, water, fltrd, ug/L (61585)
NOV													
15...	<.004	<.006	<.006	<.004	.015	<.02	<.050	<.010	E.006	<.06	<.005	<.006	<.008
JAN													
22...	<.004	<.006	<.006	<.004	.014	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008
MAR													
11...	<.004	E.003	<.006	<.004	.611	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008
MAY													
20...	<.004	<.006	<.006	<.004	.069	<.02	<.050	<.010	E.018	<.06	E.003	<.006	<.008
JUL													
15...	<.004	E.002	<.006	<.004	.031	<.02	<.050	<.010	E.028n	<.06	<.005	<.006	<.008
SEP													
15...	.008	<.006	<.006	<.004	.015	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008

Date	Cyper-methrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diaz-inon oxon, water, fltrd, ug/L (61638)	Diazi-non, water, fltrd, ug/L (39572)	Dicro-tophos, water fltrd, ug/L (38454)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)
NOV													
15...	<.009	<.003	<.004	--	.009	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03
JAN													
22...	<.009	<.003	<.004	<.04	.005	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03
MAR													
11...	<.009	<.003	<.004	<.04	<.005	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03
MAY													
20...	<.009	<.003	<.004	<.01	.015	<.08	<.005	<.006	<.03	<.004	<.008	<.12	<.03
JUL													
15...	<.009	<.003	<.004	<.01	.005	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03
SEP													
15...	<.009	<.003	<.004	<.01	E.004n	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03

02344797 WHITE OAK CREEK AT CANNON ROAD, NEAR RAYMOND, GA---continued.

Date	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexa-zinone, water, fltrd, ug/L (04025)	Ipro-dione, water, fltrd, ug/L (61593)	Isofen-phos, water, fltrd, ug/L (61594)	Mala-oxon, water, fltrd, ug/L (61652)	Mala-thion, water, fltrd, ug/L (39532)	Meta-laxyl, water, fltrd, ug/L (61596)	Methi-althion water, fltrd, ug/L (61598)
NOV													
15...	<.009	<.005	<.005	<.007	<.002	<.003	--	<1	<.003	<.008	<.027	<.005	<.006
JAN													
22...	<.009	<.005	<.005	E.006	<.002	<.003	--	<1	<.003	<.008	<.027	<.005	<.006
MAR													
11...	<.009	<.005	<.005	E.005	<.002	<.003	--	<1	<.003	<.008	<.027	<.005	<.006
MAY													
20...	<.009	<.005	<.005	E.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006
JUL													
15...	<.009	<.005	<.005	<.007	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006
SEP													
15...	<.009	<.005	<.005	E.008	<.002	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006

Date	Methyl para-oxon, water, fltrd, ug/L (61664)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Myclo-butanil water, fltrd, ug/L (61599)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prome-ton, water, fltrd, ug/L (04037)	Prome-tryn, water, fltrd, ug/L (04036)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)
NOV													
15...	<.03	<.006	<.013	.007	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005	<.004
JAN													
22...	<.03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	M	<.005	<.004
MAR													
11...	<.03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	<.01	<.005	.020
MAY													
20...	<.03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01	<.005	.005
JUL													
15...	<.03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01n	<.005	<.004
SEP													
15...	<.03	<.006	<.013	<.006	<.008	<.022	<.10	<.011	<.06	<.008	E.01n	<.005	<.004

Date	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Ter-bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Ter-buthyl-azine, water, fltrd, ug/L (04022)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Di-chlor-vos, water fltrd, ug/L (38775)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
NOV											
15...	.370	<.02	<.07	<.02	<.01	<.009	<.01	95	8	15.00	3070
JAN											
22...	.264	<.02	<.07	<.02	<.01	<.009	<.01	89	8	15.00	3070
MAR											
11...	.516	<.02	<.07	<.02	<.01	<.009	<.01	98	17	15.00	3070
MAY											
20...	.043	<.02	<.07	<.02	<.01	<.009	<.01	96	25	15.00	3060
JUL											
15...	.015	<.02	<.07	<.02	<.01	<.009	<.01	96	15	15.00	3060
SEP											
15...	.020	<.02	<.07	<.02	<.01	<.009	<.01	95	6	15.00	3070

02344797 WHITE OAK CREEK AT CANNON ROAD, NEAR RAYMOND, GA---continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
APR								
29...	1515	D	10.1	170	184.5	.3	3.4	280

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this report:
   c -- See laboratory comment
   d -- Diluted sample: method hi range exceeded
   n -- Below the NDV
   o -- Result determined by alternate method

Null value qualifier codes used in this report:
   i -- Required sample type not received

APALACHICOLA RIVER BASIN
2003 Water Year

02344887 RED OAK CREEK NEAR GREENVILLE, GA

LOCATION.—Lat 33°06'13", long 84°39'59" referenced to North American Datum (NAD) of 1927, Meriwether County, Hydrologic Unit 03130005, at bridge crossing on GA 362, 1.3 miles above Cowtail Creek, and 12.3 miles above mouth.

DRAINAGE AREA.—41.4 square miles.

COOPERATION.—U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---March 2003 to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
MAR													
11...	1530	9	80020	3.98	71	10	16	743	9.5	92	6.6	35	13.1
SEP													
15...	1630	9	80020	3.02	22	10	27	749	8.1	93	7.3	46	21.0

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)
MAR													
11...	1.34	2.5	.21	E.02	.12	<.008	<.02	.10	.023	.33	.9	<.1	.9
SEP													
15...	2.59	.7	.17	E.04n	.10	<.008	<.18d	.08	.014	.28	.7	<.1	.7

Date	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)
MAR													
11...	2.5	62	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007
SEP													
15...	2.1	350	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007

02344887 RED OAK CREEK NEAR GREENVILLE, GA---continued.

Date	Azinphos-methyl oxon, water, fltrd, ug/L (61635)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)
MAR													
11...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.04	<.005
SEP													
15...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005

Date	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)
MAR													
11...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
SEP													
15...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002

Date	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methidathion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)
MAR													
11...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
SEP													
15...	<.003	E.011	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)
MAR													
11...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005	<.02	<.07	<.02	<.01
SEP													
15...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005	<.02	<.07	<.02	<.01

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
MAR						
11...	<.009	<.01	87	14	15.00	3045
SEP						
15...	<.009	<.01	93	10	15.00	3045

02344887 RED OAK CREEK NEAR GREENVILLE, GA---continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
MAY								
01...	1200	D	44.9	E140	E182.2	3.9	3.4	280

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
n -- Below the NDV

APALACHICOLA RIVER BASIN
2003 Water Year

02346195 LAZAR CREEK AT GA 41, NEAR TALBOTTON, GA

LOCATION.—Lat 32°44'33", long 84°33'20" referenced to North American Datum (NAD) of 1927, Talbot County, Hydrologic Unit 03130005, at GA 41, 5.0 miles north of Talbotton.

DRAINAGE AREA.—81.3 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1981, 1984 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 500.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but it not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 24.10 feet, March 17, 1990
DISCHARGE: 36,100 cfs, March 17, 1990

MAXIMUM FOR CURRENT YEAR.—
STAGE: 17.56 feet, May 9
DISCHARGE: 9,310 cfs, May 9

APALACHICOLA RIVER BASIN
2003 Water Year

02346217 COLEOATCHEE CREEK NEAR MANCHESTER, GA
(previously published as Celeoth Creek near Manchester, GA)

LOCATION.—Lat 32°49'20", long 84°36'16" referenced to North American Datum (NAD) of 1927, Talbot County, Hydrologic Unit 03130005, at culvert on County Road 39, 1.2 miles southeast of Manchester.

DRAINAGE AREA.—2.82 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1969 to 1986, 1988 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 779.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but it not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 8.31 feet, March 16, 1990
DISCHARGE: 1,750 cfs, March 16, 1990

MAXIMUM FOR CURRENT YEAR.—
STAGE: 4.37 feet, May 22
DISCHARGE: 867 cfs, May 22

APALACHICOLA RIVER BASIN
2003 Water Year

02346358 TURNPIKE CREEK NEAR MILNER, GA

LOCATION.—Lat 33°06'51", long 84°14'58" referenced to North American Datum (NAD) of 1983, Pike County, Hydrologic Unit 03130005, at bridge crossing on, 1.3 miles, and miles above mouth.

DRAINAGE AREA.—18.6 square miles.

COOPERATION.—U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---March 2003 to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
MAR													
13...	0930	9	80020	3.15	36	10	27	749	9.1	91	6.3	34	14.5
SEP													
17...	0930	9	80020	4.24	5.4	40	12	752	7.9	87	6.5	52	19.4

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)
MAR													
13...	2.07	3.6	.32	E.03	.12	<.008	<.02	.12	.045	.44	1.4	<.1	1.4
SEP													
17...	2.78	1.6	.19	<.04	.23	<.008	<.02	.04	.013	.42	.3	<.1	.3

Date	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)
MAR													
13...	3.6	58	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007
SEP													
17...	2.6	510	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007

02346358 TURNPIKE CREEK NEAR MILNER, GA---continued.

Date	Azinphos-methyl oxon, water, fltrd, ug/L (61635)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)
MAR													
13...	<.02	<.050	<.010	<.041	<.06	E.004	<.006	<.008	<.009	<.003	<.004	<.04	<.005
SEP													
17...	--u	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005

Date	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)
MAR													
13...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
SEP													
17...	<.08	<.005	<.006	<.03	<.004	<.008	--u	<.03	<.009	<.005	<.005	<.007	<.002

Date	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methidathion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)
MAR													
13...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
SEP													
17...	<.003	E.007	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)
MAR													
13...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	E.005n	<.02	<.07	<.02	<.01
SEP													
17...	<.022	<.10	<.011	<.06	<.008	Mt	<.005	<.004	<.005	E.01t	<.07	<.02	<.01

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
MAR						
13...	<.009	<.01	50	45	15.00	3045
SEP						
17...	<.009	<.01	91	4	15.00	3070

02346358 TURNPIKE CREEK NEAR MILNER, GA---continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
MAY								
02...	1500	D	3.3	40	43.40	2.3	3.4	280

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this report:
   n -- Below the NDV
   t -- Below the long-term MDL

Null value qualifier codes used in this report:
   u -- Unable to determine-matrix interference

02346475 POTATO CREEK NORTHWEST OF THOMASTON, GA

LOCATION.—Lat 32°54'38", long. 84°21'25" referenced to North American Datum (NAD) of 1927, Upson County, Hydrologic Unit 03130005, 0.5 miles upstream from Basin Creek, 0.5 miles downstream from Tenmile Creek, and 2.4 miles northwest of Thomaston.

DRAINAGE AREA.—178.0 square miles.

COOPERATION.—City of Thomaston.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—August 1984 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 622 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 3, effective August 29, 1990 to September 30, 2002.

REMARKS.—Records fair only due to poor available sections for standard measuring methods. Measurements for the current water year are as follows:

DATE	GAGE HEIGHT (feet)	DISCHARGE (cfs)
12/10/02	1.83	77.7

APALACHICOLA RIVER BASIN
2003 Water Year

02347748 AUCHUMPKEE CREEK AT ALLEN ROAD, NEAR ROBERTA, GA

LOCATION.—Lat 32°45'21", long 84°13'47" referenced to North American Datum (NAD) of 1983, Upson County, Hydrologic Unit 03130005, at bridge crossing on Allen Road, 4.04 miles below Little Creek, and 6.65 miles above mouth.

DRAINAGE AREA.—43.2 square miles.

COOPERATION.—U.S. Geological Survey, National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---November 2002 to September 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
NOV													
14...	0945	9	80020	6.09	E48	40	45	762	9.3	84	6.7	69	11.0
JAN													
23...	1115	9	80020	5.89	25	10	14	762	11.2	90	6.9	58	5.9
MAR													
12...	1330	9	80020	6.36	52	10	21	759	10.0	97	6.6	48	13.9
MAY													
21...	0945	9	80020	6.05	28	10	10	760	8.1	87	7.0	59	18.4
JUL													
23...	1600	9	80020	6.58	94	10	29	754	7.1	84	6.9	63	23.0
SEP													
16...	1245	9	80020	5.82	19	40	15	759	8.3	92	7.1	67	20.1

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)
NOV													
14...	3.66	7.5	.34	<.04	.95	E.005	<.02	.21	.060	1.3	1.5	<.1	1.5
JAN													
23...	3.14	4.9	.16	<.04	.12	<.008	<.02	.07	.020	.28	.4	<.1	.4
MAR													
12...	2.27	4.2	.23	E.03	.21	<.008	<.02	.09	.037	.44	.7	<.1	.7
MAY													
21...	2.94	2.4	.21	<.04	.15	<.008	<.02	.05	.023	.36	.3	<.1	.3
JUL													
23...	2.54	1.8	.26	<.04	.16	<.008	<.02	.12	.041	.42	1.0	<.1	1.0
SEP													
16...	3.42	1.2	.14	<.04	.11	<.008	<.18d	.06	.015	.25	.4	<.1	.4

02347748 AUCHUMPKEE CREEK AT ALLEN ROAD, NEAR ROBERTA, GA---continued.

Date	Organic carbon, water, fltrd, mg/L (00681)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	1-Naph-thol, water, fltrd 0.7u GF ug/L (49295)	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)-amino] propan-1-ol, ug/L (61615)	2Chloro-2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)	3,4-Di-chloro-aniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	Atra-zine, water, fltrd, ug/L (39632)
NOV													
14...	4.2	240	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	E.003
JAN													
23...	2.0	--	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007
MAR													
12...	2.4	690	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007
MAY													
21...	2.3	90	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007
JUL													
23...	3.2	410	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007
SEP													
16...	2.0	540	<.09	<.006	<.1	<.005	<.006	<.004	<.004	<.006	<.006	<.004	<.007

Date	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	Cyflu-thrin, water, fltrd, ug/L (61585)	Cyper-methrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diaz-inon oxon, water, fltrd, ug/L (61638)	Diazi-non, water, fltrd, ug/L (39572)
NOV													
14...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	--	<.005
JAN													
23...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.04	<.005
MAR													
12...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.04	<.005
MAY													
21...	<.02	<.050	<.010	<.041	<.06	.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
JUL													
23...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005
SEP													
16...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.004	<.01	<.005

Date	Dicro-tophos, water fltrd, ug/L (38454)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)
NOV													
14...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
JAN													
23...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
MAR													
12...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
MAY													
21...	<.08	<.005	<.006	<.03	<.004	<.008	<.12	<.03	<.009	<.005	<.005	<.007	<.002
JUL													
23...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002
SEP													
16...	<.08	<.005	<.006	<.03	<.004	<.008	<.03	<.03	<.009	<.005	<.005	<.007	<.002

02347748 AUCHUMPKEE CREEK AT ALLEN ROAD, NEAR ROBERTA, GA---continued.

Date	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)
NOV													
14...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
JAN													
23...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
MAR													
12...	<.003	--	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
MAY													
21...	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
JUL													
23...	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008
SEP													
16...	<.003	<.013	<1	<.003	<.008	<.027	<.005	<.006	<.03	<.006	<.013	<.006	<.008

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)
NOV													
14...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005	<.02	<.07	<.02	<.01
JAN													
23...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005	<.02	<.07	<.02	<.01
MAR													
12...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005	<.02	<.07	<.02	<.01
MAY													
21...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005	<.02	<.07	<.02	<.01
JUL													
23...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005	<.02	<.07	<.02	<.01
SEP													
16...	<.022	<.10	<.011	<.06	<.008	<.01	<.005	<.004	<.005	<.02	<.07	<.02	<.01

Date	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Sample purpose code (71999)	Sampler type, code (84164)
NOV						
14...	<.009	<.01	98	18	15.00	3070
JAN						
23...	<.009	<.01	90	9	15.00	3045
MAR						
12...	<.009	<.01	97	17	15.00	3045
MAY						
21...	<.009	<.01	96	14	15.00	3045
JUL						
23...	<.009	<.01	99	26	15.00	3045
SEP						
16...	<.009	<.01	100	4	15.00	3070

02347748 AUCHUMPKEE CREEK AT ALLEN ROAD, NEAR ROBERTA, GA---continued.

Date	Time	Medium code	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)	Sampler type, code (84164)
MAY								
01...	0800	D	1.6	45	46.90	.3	2.3	280
01...	0805	D	.8	39	40.00	<.1	.4	280

Remark codes used in this report:
< -- Less than
E -- Estimated value

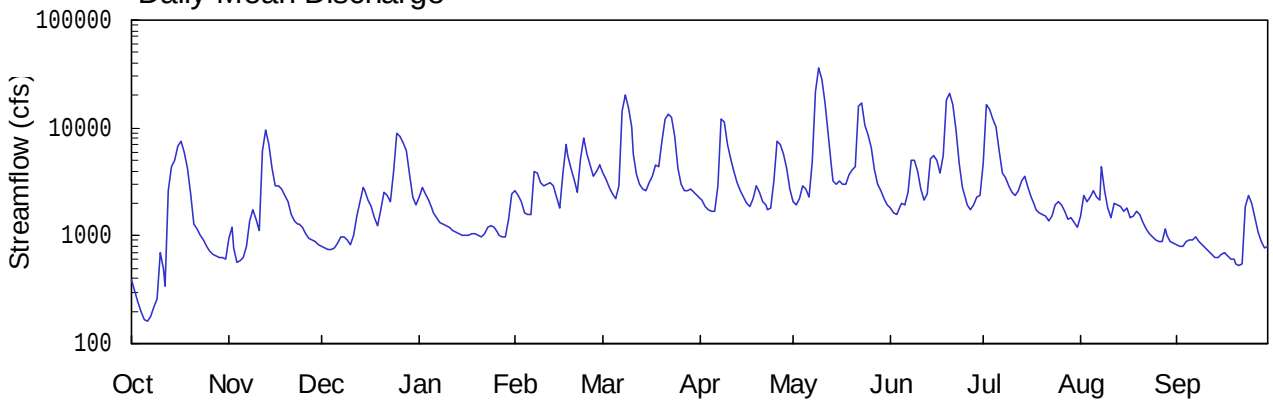
Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded

2003 Water Year

02347500 FLINT RIVER NEAR CULLODEN, GA

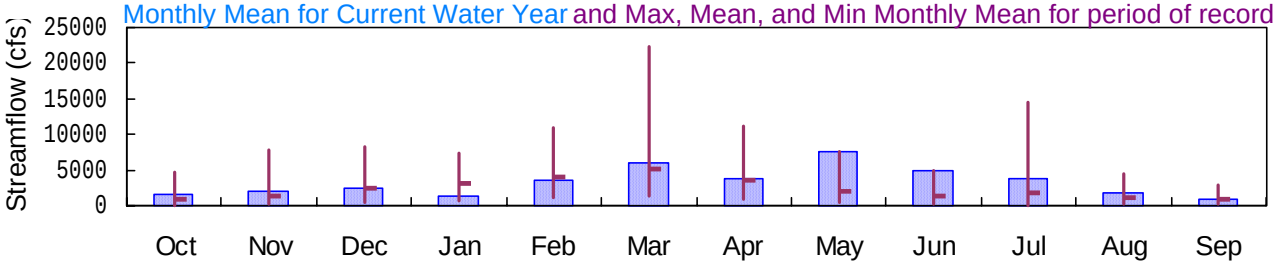
Latitude: 32°43'17" Longitude: 084°13'57" Hydrologic Unit Code: 03130005 Upson County
Drainage Area: 1850. mi^2 Datum: 334.5 feet

Daily Mean Discharge

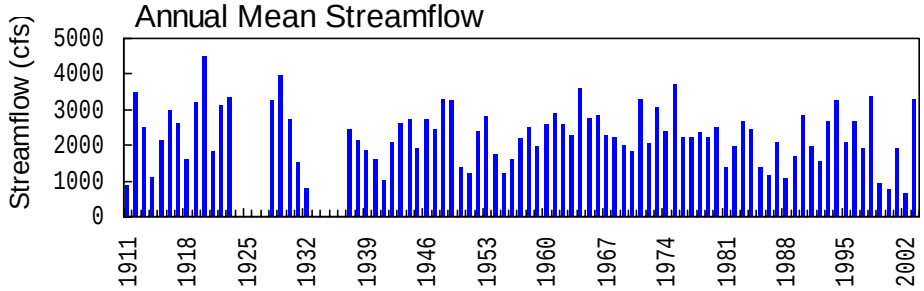


Monthly Statistics

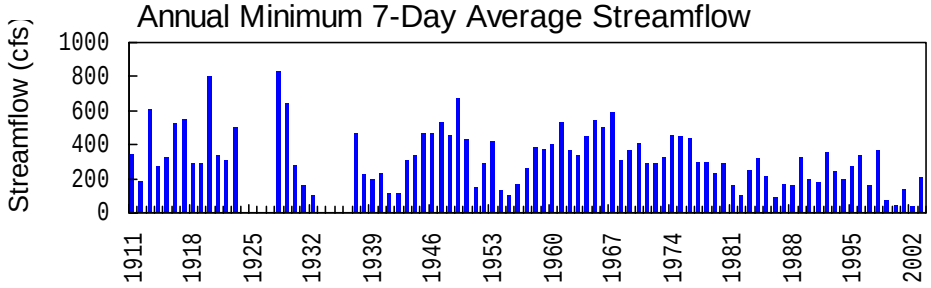
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



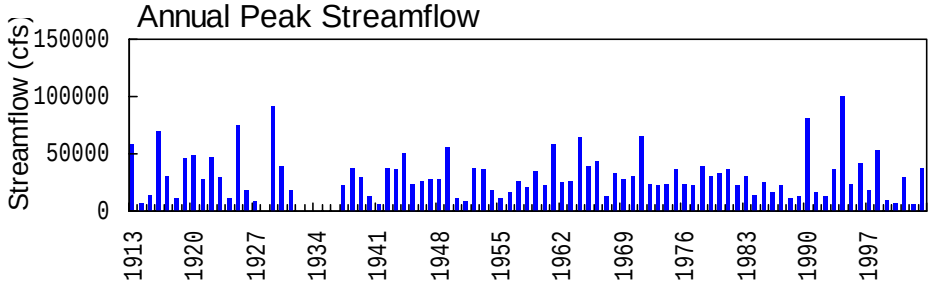
Annual Mean Streamflow

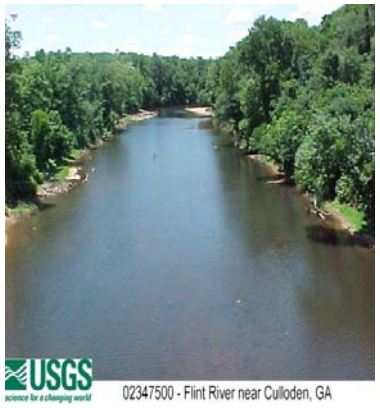


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





APALACHICOLA RIVER BASIN
2003 Water Year

02347500 FLINT RIVER NEAR CULLODEN, GA

LOCATION.—Lat 32°43'17", long 84°13'57" referenced to North American Datum (NAD) of 1983, Taylor-Upson County line, Hydrologic Unit 03130005, on left bank underneath bridge on US 19, 4.0 miles upstream from Auchumpkee Creek, 5.0 miles downstream from Swift Creek, 13.0 miles southwest of Culloden, and at mile 238.4.

DRAINAGE AREA.—1,850 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 1911 to May 1923, July 1928 to December 1931, March 1937 to current year.

REVISED RECORDS.—WSP 697: 1911-23. WSP 1002: 1943. WSP 1504: 1913, 1916-17, 1918(M), 1919-22, 1923(M), drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 334.54 feet above National Geodetic Vertical Datum (NGVD) of 1929. From July 1, 1911 to October 11, 1918, a non-recording gage was installed. From October 12, 1918 to May 31, 1923, a water-stage recorder was located at a site 2.5 miles downstream at different datum. From July 21, 1928 to December 31, 1931, and from March 18, 1937 to May 3, 1939, a non-recording gage was located at present site and datum.

REMARKS.—Records good, except those below 100 cfs.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 11,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/08	1000	21,000	17.92
03/22	1915	13,500	13.96
04/08	2130	13,800	14.10
05/09	1400	37,500*	24.89*
05/22	2030	21,200	18.02
06/20	0130	21,800	18.32
07/02	0530	16,900	15.84

02347500 FLINT RIVER NEAR CULLODEN, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—July 1911 to May 1923, July 1928 to December 1931, March 1937 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 334.54 feet above National Geodetic Vertical Datum (NGVD) of 1929. From July 1, 1911 to October 11, 1918, a non-recording gage was installed. From October 12, 1918 to May 31, 1923, a water-stage recorder was located at a site 2.5 miles downstream at different datum. From July 21, 1928 to December 31, 1931, and from March 18, 1937 to May 3, 1939, a non-recording gage was located at present site and datum.

REMARKS.—Records good.

EXTREMES FOR THE CURRENT YEAR.—Maximum gage-height recorded, 24.89 feet, May 9; minimum gage-height recorded, 0.99 feet, October 7.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 20, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02347500 FLINT RIVER NEAR CULLODEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 293
LATITUDE 324317 LONGITUDE 0841357 NAD83 DRAINAGE AREA 1850.00* CONTRIBUTING DRAINAGE AREA DATUM 334.54 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	395	930	810	2290	2610	3820	2230	2060	1770	4710	1500	839
2	307	1210	781	2780	2400	3340	2110	1910	1610	16400	2390	795
3	240	766	754	2490	2040	2860	1890	2190	1570	14900	2050	790
4	197	565	751	2150	1620	2440	1740	2880	1840	12300	2290	874
5	169	584	774	1830	1600	2220	1680	2730	2010	10200	2650	903
6	164	628	862	1630	1560	2860	1680	2300	1940	6230	2290	913
7	175	795	974	1450	3970	14400	2880	4790	2540	3870	2130	988
8	220	1380	966	1350	3770	20300	12300	21500	5040	3390	4350	892
9	259	1760	899	1280	3110	15500	11200	35800	5070	2940	2610	812
10	699	1420	836	1240	2880	10300	7060	28700	3930	2490	1800	763
11	488	1120	1010	1190	3040	5830	5220	17300	2720	2400	1480	711
12	343	6040	1540	1130	3070	3670	3920	8710	2170	2630	2020	677
13	2640	9550	2090	1090	2880	3010	3150	4370	2480	3190	1960	636
14	4350	7070	2800	1050	2250	2670	2640	3260	5150	3560	1880	619
15	5030	4250	2620	1020	1800	2630	2270	3030	5610	2830	1700	670
16	6900	2930	2170	1010	3870	3060	2020	3180	4940	2290	1820	691
17	7590	2880	1850	1020	7090	3530	1860	3050	3870	1950	1490	646
18	5890	2710	1450	1050	5530	4550	2180	2990	5570	1750	1520	615
19	4190	2370	1250	1040	4270	4420	2950	3690	18300	1640	1670	599
20	2440	2030	1730	1010	3290	7650	2570	4060	21000	1560	1560	557
21	1300	1580	2530	978	2540	12300	2100	4340	16600	1540	1320	530
22	1150	1360	2340	1040	5190	13300	1900	15700	9410	1380	1170	548
23	1020	1270	2060	1200	8070	12700	1760	16800	4630	1510	1060	1860
24	926	1280	3950	1220	5720	8380	1810	10700	2810	1940	974	2370
25	798	1200	8900	1200	4490	4230	3220	8720	2240	2060	918	1970
26	722	1040	8230	1070	3510	3000	7520	6540	1920	1940	873	1480
27	676	961	7380	1020	3910	2630	7080	4070	1720	1670	879	1080
28	650	920	6160	985	4520	2620	5780	2990	1920	1400	1150	869
29	638	873	3730	970	---	2710	4270	2610	2290	1480	996	767
30	634	835	2310	1420	---	2500	2670	2230	2330	1350	896	784
31	609	---	1910	2480	---	2350	---	1950	---	1200	843	---
TOTAL	51809	62307	76417	42683	100600	185780	111660	235150	145000	118700	52239	27248
MEAN	1671	2077	2465	1377	3593	5993	3722	7585	4833	3829	1685	908
MAX	7590	9550	8900	2780	8070	20300	12300	35800	21000	16400	4350	2370
MIN	164	565	751	970	1560	2220	1680	1910	1570	1200	843	530
CFSM	0.90	1.12	1.33	0.74	1.94	3.24	2.01	4.10	2.61	2.07	0.91	0.49
IN.	1.04	1.25	1.54	0.86	2.02	3.74	2.25	4.73	2.92	2.39	1.05	0.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2003, BY WATER YEAR (WY)

MEAN	960	1367	2402	3151	4041	5217	3475	2056	1431	1696	1168	836
MAX	4691	7856	8151	7256	10960	22290	11240	7585	4833	14430	4371	2908
(WY)	1930	1949	1920	1946	1961	1929	1964	2003	2003	1994	1928	1953
MIN	108	236	463	715	1049	1303	933	392	144	77.5	122	121
(WY)	1955	2002	2002	1956	1938	1918	1999	2000	2000	2000	2002	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1911 - 2003	
ANNUAL TOTAL	416126		1209593			
ANNUAL MEAN	1140		3314		2301	
HIGHEST ANNUAL MEAN					4500	1920
LOWEST ANNUAL MEAN					689	2002
HIGHEST DAILY MEAN	9550	Nov 13	35800	May 9	92000	Jul 6 1994
LOWEST DAILY MEAN	29	Sep 12	164	Oct 6	29	Sep 12 2002
ANNUAL SEVEN-DAY MINIMUM	38	Sep 7	203	Oct 3	38	Sep 7 2002
MAXIMUM PEAK FLOW			37500	May 9	100000	Jul 6 1994
MAXIMUM PEAK STAGE			24.89	May 9	45.73	Jul 6 1994
INSTANTANEOUS LOW FLOW			156	Oct 7	26	Sep 13 2002
ANNUAL RUNOFF (CFSM)	0.62		1.79		1.24	
ANNUAL RUNOFF (INCHES)	8.37		24.32		16.90	
10 PERCENT EXCEEDS	2590		7080		4750	
50 PERCENT EXCEEDS	689		2060		1300	
90 PERCENT EXCEEDS	135		765		425	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02347500 FLINT RIVER NEAR CULLODEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 293
LATITUDE 324317 LONGITUDE 0841357 NAD83 DRAINAGE AREA 1850.00* CONTRIBUTING DRAINAGE AREA DATUM 334.54 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.62	2.58	2.39	4.50	4.92	6.42	4.43	4.22	3.84	7.04	3.44	2.44
2	1.41	3.02	2.34	5.12	4.65	5.82	4.28	4.02	3.61	15.57	4.63	2.37
3	1.24	2.31	2.30	4.76	4.20	5.22	4.00	4.38	3.55	14.73	4.21	2.36
4	1.12	1.95	2.29	4.34	3.62	4.70	3.79	5.25	3.93	13.24	4.52	2.50
5	1.03	1.99	2.33	3.91	3.59	4.43	3.70	5.07	4.15	11.90	4.96	2.55
6	1.02	2.07	2.48	3.62	3.53	5.19	3.71	4.52	4.06	8.87	4.51	2.56
7	1.05	2.36	2.66	3.38	6.57	14.14	5.08	7.21	4.83	6.48	4.31	2.68
8	1.19	3.27	2.65	3.22	6.36	17.57	13.21	17.80	7.78	5.89	6.96	2.53
9	1.27	3.82	2.54	3.13	5.54	15.07	12.52	24.25	7.81	5.33	4.92	2.40
10	2.20	3.32	2.44	3.06	5.25	11.95	9.61	21.35	6.54	4.77	3.87	2.31
11	1.81	2.87	2.71	2.98	5.46	8.50	7.95	15.97	5.06	4.65	3.42	2.22
12	1.50	8.36	3.50	2.90	5.49	6.23	6.54	10.79	4.36	4.94	4.13	2.16
13	4.59	11.46	4.25	2.83	5.25	5.41	5.59	7.03	4.75	5.64	4.09	2.09
14	7.04	9.58	5.15	2.78	4.46	4.99	4.95	5.73	7.82	6.10	3.98	2.06
15	7.77	6.91	4.93	2.74	3.87	4.94	4.49	5.44	8.34	5.18	3.73	2.15
16	9.48	5.32	4.36	2.72	6.17	5.48	4.17	5.63	7.68	4.51	3.89	2.19
17	10.06	5.25	3.95	2.74	9.64	6.06	3.96	5.46	6.48	4.07	3.43	2.11
18	8.58	5.04	3.37	2.78	8.26	7.27	4.37	5.39	7.94	3.80	3.47	2.05
19	6.84	4.62	3.07	2.77	6.94	7.13	5.34	6.26	16.49	3.64	3.69	2.02
20	4.70	4.18	3.75	2.72	5.77	9.96	4.86	6.72	17.90	3.53	3.53	1.94
21	3.15	3.57	4.81	2.67	4.82	13.19	4.27	7.04	15.65	3.50	3.19	1.89
22	2.92	3.24	4.57	2.76	7.52	13.85	4.02	14.87	11.30	3.27	2.95	1.92
23	2.73	3.11	4.23	3.01	10.39	13.48	3.82	15.77	7.29	3.46	2.79	3.88
24	2.58	3.12	6.28	3.03	8.43	10.57	3.88	12.20	5.17	4.07	2.66	4.61
25	2.37	3.01	11.02	2.99	7.20	6.87	5.58	10.89	4.45	4.22	2.57	4.09
26	2.24	2.77	10.54	2.81	6.04	5.40	10.00	9.17	4.04	4.07	2.50	3.41
27	2.16	2.64	9.90	2.73	6.51	4.94	9.63	6.70	3.76	3.68	2.51	2.82
28	2.11	2.57	8.83	2.68	7.24	4.92	8.49	5.39	4.03	3.30	2.92	2.49
29	2.09	2.50	6.29	2.65	---	5.03	6.94	4.91	4.51	3.42	2.69	2.32
30	2.08	2.44	4.54	3.32	---	4.78	4.99	4.43	4.57	3.23	2.53	2.35
31	2.04	---	4.03	4.75	---	4.59	---	4.08	---	3.01	2.45	---
MEAN	3.29	3.98	4.47	3.24	5.99	7.87	5.94	8.64	6.72	5.78	3.66	2.52
MAX	10.06	11.46	11.02	5.12	10.39	17.57	13.21	24.25	17.90	15.57	6.96	4.61
MIN	1.02	1.95	2.29	2.65	3.53	4.43	3.70	4.02	3.55	3.01	2.45	1.89

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02347500 FLINT RIVER NEAR CULLODEN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 293
LATITUDE 324317 LONGITUDE 0841357 NAD83 DRAINAGE AREA 1850.00* CONTRIBUTING DRAINAGE AREA DATUM 334.54 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	---	0.18	0.00	0.29	0.00	1.00	0.00	1.59	0.02	0.00
2	0.00	0.00	---	0.12	0.00	0.02	0.00	0.36	0.00	0.00	0.06	0.00
3	0.00	0.07	---	0.01	0.00	0.00	0.00	0.01	0.35	0.00	0.01	0.00
4	0.00	0.17	---	0.00	0.28	0.07	0.12	0.00	0.00	0.19	0.02	0.38
5	0.00	0.15	---	0.00	0.00	0.02	0.01	0.00	0.00	0.03	0.00	0.02
6	0.00	0.12	---	0.00	1.29	0.84	0.01	0.00	0.48	0.00	0.01	0.11
7	0.00	0.00	---	0.00	0.01	1.23	1.01	0.02	0.72	0.10	0.00	0.00
8	0.00	0.00	---	0.00	0.00	0.00	0.50	2.98	0.16	0.00	0.00	0.00
9	0.00	0.04	0.00	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.00
10	0.00	0.02	---	0.00	0.23	0.00	0.13	0.00	0.37	0.62	0.00	0.00
11	0.00	1.70	---	0.00	0.00	0.00	0.00	0.20	0.01	0.05	0.01	0.00
12	0.00	1.08	---	0.00	0.00	0.00	0.00	0.01	0.53	0.58	0.00	0.00
13	1.42	0.00	0.82	0.00	0.00	0.06	0.00	0.00	1.26	0.33	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.08	0.18	0.00	0.01	0.00
15	1.47	0.00	0.00	0.00	0.00	0.45	0.00	0.49	0.00	0.00	0.00	0.01
16	0.00	0.93	0.00	0.16	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.95	0.02	0.02	0.03	0.00	0.00	0.00
18	0.00	0.01	0.00	0.00	0.00	0.03	0.00	0.39	0.18	0.62	0.00	0.00
19	0.01	0.00	0.86	0.00	0.00	0.21	0.00	0.22	0.00	0.04	0.00	0.00
20	0.02	0.00	0.05	0.00	0.00	1.74	0.00	0.01	0.04	0.03	0.02	0.00
21	0.04	0.00	0.00	0.00	0.13	0.00	0.03	1.96	0.00	0.02	0.00	0.00
22	0.01	0.00	0.00	0.75	1.06	0.00	0.01	0.73	0.00	0.02	0.00	2.04
23	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00
24	0.16	0.00	2.17	0.00	0.00	0.00	0.42	0.00	0.00	1.06	0.00	0.00
25	0.02	0.00	0.00	0.00	0.00	0.00	1.67	0.00	0.00	0.11	0.00	0.00
26	0.05	0.00	0.00	0.00	0.52	0.00	0.00	0.01	0.00	0.08	0.00	0.00
27	0.17	0.00	0.00	0.00	0.43	0.09	0.00	0.00	0.85	0.00	0.77	0.03
28	0.12	---	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.33	0.00	0.01
29	0.01	---	0.00	0.44	---	0.00	0.00	0.00	0.52	0.11	0.00	0.00
30	0.01	0.00	0.00	0.50	---	0.06	0.06	0.00	0.81	0.12	0.00	0.00
31	0.00	---	0.54	0.00	---	0.00	---	0.25	---	0.08	0.00	---
TOTAL	3.53	---	---	2.16	5.59	6.07	4.03	8.74	7.15	6.26	0.93	2.60

APALACHICOLA RIVER BASIN
2003 Water Year

02349030 CEDAR CREEK AT US 19, NEAR RUPERT, GA

LOCATION.—Lat 32°23'21", long 84°17'49" referenced to North American Datum (NAD) of 1927, Taylor County, Hydrologic Unit 03130005, at US 19, 3.0 miles south of Rupert.

DRAINAGE AREA.—41.1 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1979 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 390.00 feet above National Geodetic Vertical Datum (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 7.50 feet, July 6, 1994
DISCHARGE: 2,400 cfs, July 6, 1994

MAXIMUM FOR CURRENT YEAR.—
STAGE: 2.56 feet, March 20
DISCHARGE: 147 cfs, March 20

APALACHICOLA RIVER BASIN
2003 Water Year

02349330 BUCK CREEK TRIBUTARY AT GA 240, NEAR TAZEWELL, GA

LOCATION.—Lat 32°20'50", long 84°22'26" referenced to North American Datum (NAD) of 1927, Schley County, Hydrologic Unit 03130006, at culvert on GA 240, 4.3 miles east of Tazewell.

DRAINAGE AREA.—0.43 square miles approximately.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1977 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 495.00 feet above National Geodetic Vertical Datum (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 4.37 feet, October 1, 1989
DISCHARGE: 103 cfs, October 1, 1989

MAXIMUM FOR CURRENT YEAR.—
STAGE: 2.33 feet, May 22
DISCHARGE: 27.4 cfs, May 22

02349350 BUCK CREEK AT US 19, NEAR ELLAVILLE, GA

LOCATION.—Lat 32°18'35", long 84°17'36" referenced to North American Datum (NAD) of 1927, Schley County, Hydrologic Unit 03130006, at US 19, 5.0 miles north of Ellaville.

DRAINAGE AREA.—146 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1979 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 350.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

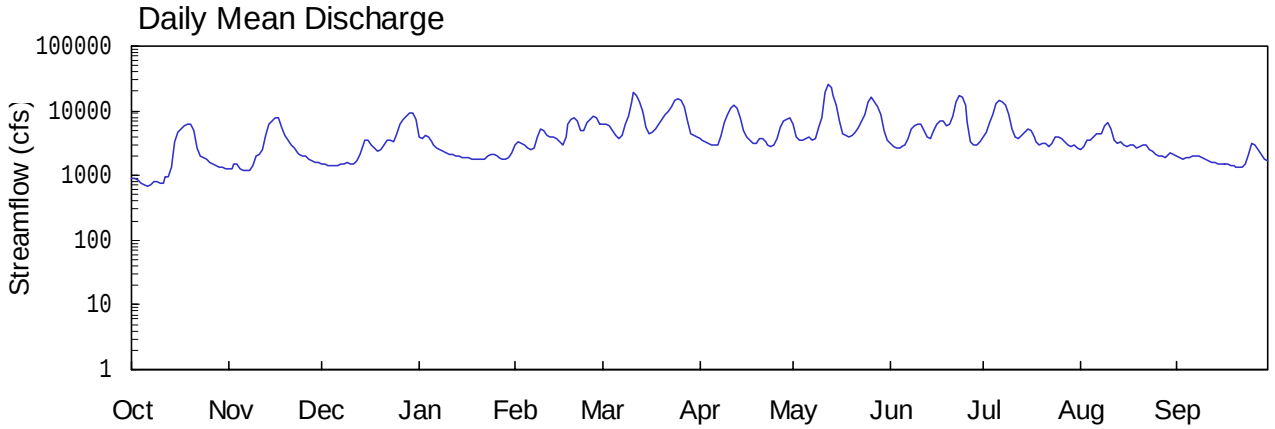
MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 11.31 feet, July 6, 1994
DISCHARGE: 7,800 cfs, July 6, 1994

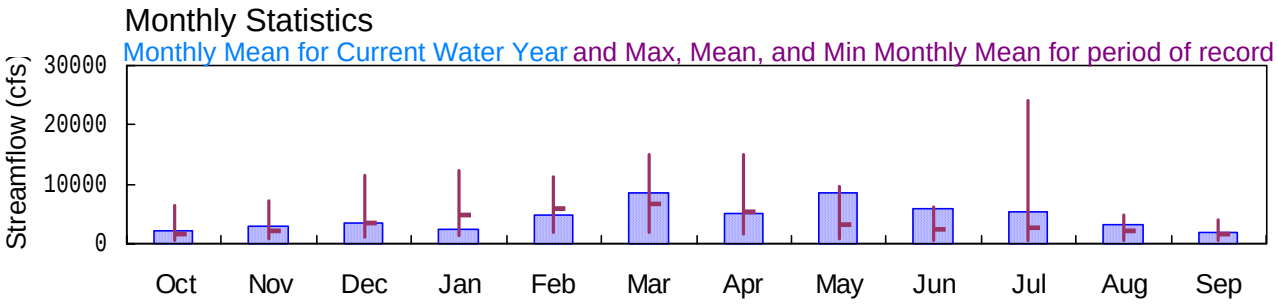
MAXIMUM FOR CURRENT YEAR.—
STAGE: 7.50 feet, November 13
DISCHARGE: 1,130 cfs, November 13

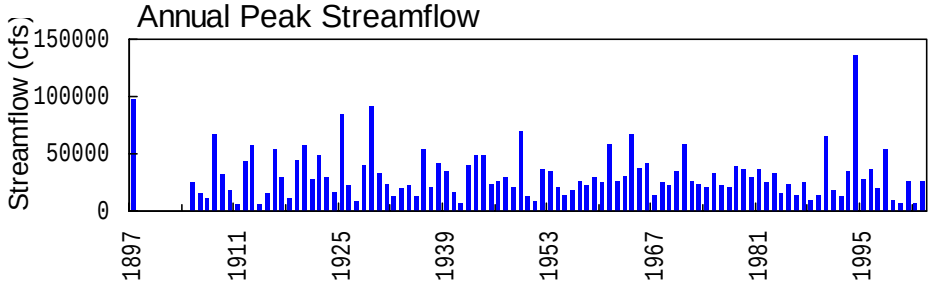
2003 Water Year

02349605 FLINT RIVER AT GA 26, NEAR MONTEZUMA, GA

Latitude: 32°17'35" Longitude: 084°02'37" Hydrologic Unit Code: 03130006 Macon County
Drainage Area: 2920. mi^2 Datum: 250.0 feet







NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2003 Water Year

02349605 FLINT RIVER AT GA 26, NEAR MONTEZUMA, GA

LOCATION.—Lat 32°17'35", long 84°02'37" referenced to North American Datum (NAD) of 1983, Macon County, Hydrologic Unit 03130006, near left bank on downstream end of pier of bridge on GA 26, 1,250 feet downstream from Central of Georgia Railway bridge, 850 feet downstream from Seaboard Coast Line Railroad (formerly Atlanta, Birmingham and Coast) bridge, 0.3 miles downstream from Buck Creek, 1.0 mile west of Montezuma and at mile 180.3.

DRAINAGE AREA.—2,920 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District; Crisp County Power Commission.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1904 to December 1912 (published as "near Montezuma"), July 1930 to September 30, 2002 (published as station 02349500 Flint River at Montezuma, GA), October 1, 2002 to September 30, 2003. Monthly discharge only for January to December 1910, published in WSP 1304. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 822: Drainage area. WSP 852: 1936(M). WSP 1504: 1905-9, 1911-12, drainage area (at site used prior 1912). WDR GA-82-1: 1981(P).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 255.83 feet above National Geodetic Vertical Datum (NGVD) of 1929. From January 1905 to December 1909, and from January 1911 to December 1912, a non-recording gage was located at a site 1.5 miles upstream at same datum. From July 1, 1930 to June 30, 1933, and from October 1, 1934 to December 12, 1941, a non-recording gage was located at the site. From December 13, 1941 to October 25, 1955, a water-stage recorder was located at a site 500 feet downstream at same datum. From October 25, 1955 to September 30, 2002, a water stage recorder was located 2,250 feet upstream of current location at the same datum.

REMARKS.—Records good. Prior to December 31, 1963, when operation was discontinued, moderate diurnal fluctuation at low flow caused by power plant above station.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood on March 2, 1897, reached a stage of 26.0 feet at former site with a discharge of 97,000 cfs, determined from rating curve extended above 10,000 cfs on basis of peak flows passing upstream and downstream stations (from National Weather Service). Flood on March 17, 1929, reached a stage of 27.4 feet at the present site with a discharge of 92,300 cfs, determined from a rating curve extended above 65,000 cfs (from National Weather Service).

02349605 FLINT RIVER AT GA 26, NEAR MONTEZUMA, GA—continued.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 13,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/11	1215	19,400	15.74
03/25	1045	15,400	14.07
05/12	0830	26,800*	18.17*
05/26	0415	16,600	14.60
06/23	1245	17,900	15.14
07/06	0630	15,000	13.90

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1904 to December 1912 (published as "near Montezuma"), July 1930 to September 30, 2002 (published as station 02349500 Flint River at Montezuma, GA), October 1, 2002 to September 30, 2003. Monthly discharge only for January to December 1910, published in WSP 1304. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 255.83 feet above National Geodetic Vertical Datum (NGVD) of 1929. From January 1905 to December 1909, and from January 1911 to December 1912, a non-recording gage was located at a site 1.5 miles upstream at same datum. From July 1, 1930 to June 30, 1933, and from October 1, 1934 to December 12, 1941, a non-recording gage was located at the site. From December 13, 1941 to October 25, 1955, a water-stage recorder was located at a site 500 feet downstream at same datum. From October 25, 1955 to September 30, 2002, a water stage recorder was located 2,250 feet upstream of current location at the same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded 18.17 feet, May 12; minimum gage-height recorded, 0.09 feet, October 7.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 1, 2002 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02349605 FLINT RIVER AT GA 26, NEAR MONTEZUMA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 193
LATITUDE 321735 LONGITUDE 0840237 NAD83 DRAINAGE AREA 2920.00* CONTRIBUTING DRAINAGE AREA DATUM 250.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	892	1240	1530	4030	3050	6090	3680	6230	3120	3850	2540	1970
2	884	1240	1490	3710	3360	6340	3490	3890	2860	4780	2810	1860
3	836	1510	1450	4070	3200	5820	3340	3440	2690	6410	3470	1810
4	778	1510	1410	3850	2950	5080	3170	3440	2640	8820	3600	1910
5	726	1290	1410	3400	2600	4260	2990	3780	2770	13200	4020	1850
6	698	1210	1440	3010	2470	3800	2930	3880	2920	14900	4380	1970
7	706	1210	1480	2720	2640	4080	3030	3440	3720	13900	4350	2040
8	823	1220	1550	2510	4020	6120	4200	3680	5210	12100	4450	2010
9	791	1450	1580	2350	5220	8190	6690	5470	5800	8950	5920	1890
10	749	1960	1540	2250	4820	14000	8610	8010	6250	5360	6740	1760
11	775	2130	1530	2170	4100	19100	11200	19100	6050	4030	5210	1670
12	947	2440	1650	2090	3920	17300	12500	26300	4940	3660	3430	1600
13	979	4070	2150	2020	3890	14000	10900	22700	3930	4180	3120	1550
14	1340	6090	2920	1960	3730	9760	7760	17400	3790	4730	3250	1500
15	3410	7110	3460	1900	3300	5460	4920	12600	4990	5320	3030	1470
16	4590	7810	3500	1850	2940	4330	3890	7000	6120	5010	2830	1470
17	5270	7800	3050	1840	4030	4600	3450	4520	7040	3920	2970	1480
18	5860	5460	2690	1830	6210	5330	3200	4220	6910	3340	2930	1450
19	6260	4080	2370	1830	7280	6150	3130	3960	5800	3020	2710	1400
20	6290	3450	2460	1810	7730	7500	3640	4180	6300	3120	2740	1370
21	4820	3030	2950	1800	6870	8880	3670	4710	8250	3090	3030	1350
22	2680	2610	3510	1820	5070	9560	3330	5690	13600	2830	2900	1340
23	2040	2270	3470	1940	5060	11800	3050	6970	17500	3070	2570	1480
24	1860	2090	3300	2090	6480	14500	2870	8780	16000	3920	2330	2100
25	1770	2000	4350	2090	7560	15300	2970	14000	12300	4050	2170	3070
26	1640	1950	6180	2000	8260	14300	3820	16200	6410	3720	2050	2940
27	1510	1830	7300	1920	7850	11600	5680	14100	3370	3350	1950	2460
28	1430	1710	8300	1830	6250	6870	6830	11700	2900	3010	1910	2090
29	1380	1640	9100	1770	---	4440	7490	8670	2920	2770	2050	1810
30	1330	1580	9170	1850	---	4130	7620	4850	3350	3030	2200	1650
31	1290	---	7160	2260	---	3940	---	3530	---	2730	2070	---
TOTAL	65354	84990	105450	72570	134860	262630	154050	266440	180450	168170	99730	54320
MEAN	2108	2833	3402	2341	4816	8472	5135	8595	6015	5425	3217	1811
MAX	6290	7810	9170	4070	8260	19100	12500	26300	17500	14900	6740	3070
MIN	698	1210	1410	1770	2470	3800	2870	3440	2640	2730	1910	1340
CFSM	0.72	0.97	1.16	0.80	1.65	2.90	1.76	2.94	2.06	1.86	1.10	0.62
IN.	0.83	1.08	1.34	0.92	1.72	3.35	1.96	3.39	2.30	2.14	1.27	0.69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 2003, BY WATER YEAR (WY)

MEAN	1686	2102	3523	4746	5861	6784	5474	3282	2380	2585	2050	1535
MAX	6339	7272	11490	12350	11380	14980	15030	9758	6122	23990	4854	4105
(WY)	1965	1993	1949	1936	1974	1971	1936	1953	1959	1994	1936	1953
MIN	639	838	1100	1443	1962	1953	1736	840	509	477	506	647
(WY)	1955	1932	2002	1956	1989	1911	1986	2000	2000	2000	2000	2002

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1905 - 2003	
ANNUAL TOTAL	675231		1649014			
ANNUAL MEAN	1850		4518		3510	
HIGHEST ANNUAL MEAN					5593	1975
LOWEST ANNUAL MEAN					1381	2002
HIGHEST DAILY MEAN	9170	Dec 30	26300	May 12	130000	Jul 7 1994
LOWEST DAILY MEAN	454	Sep 12	698	Oct 6	408	Aug 26 2000
ANNUAL SEVEN-DAY MINIMUM	459	Sep 7	753	Oct 5	416	Aug 14 2000
MAXIMUM PEAK FLOW			26800	May 12	136000	Jul 8 1994
MAXIMUM PEAK STAGE			18.17	May 12	34.11	Jul 8 1994
INSTANTANEOUS LOW FLOW			681	Oct 7	397	Aug 26 2000
ANNUAL RUNOFF (CFSM)	0.63		1.55		1.20	
ANNUAL RUNOFF (INCHES)	8.60		21.01		16.33	
10 PERCENT EXCEEDS	3480		8800		7080	
50 PERCENT EXCEEDS	1380		3360		2340	
90 PERCENT EXCEEDS	577		1480		1040	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02349605 FLINT RIVER AT GA 26, NEAR MONTEZUMA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 193
LATITUDE 321735 LONGITUDE 0840237 NAD83 DRAINAGE AREA 2920.00* CONTRIBUTING DRAINAGE AREA DATUM 250.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.62	1.40	1.97	5.72	4.44	7.96	5.30	8.08	4.54	5.51	3.70	2.76
2	0.60	1.40	1.89	5.33	4.88	8.21	5.05	5.55	4.18	6.57	4.10	2.57
3	0.48	1.93	1.81	5.79	4.66	7.69	4.86	4.99	3.92	8.27	5.02	2.48
4	0.34	1.92	1.74	5.51	4.30	6.90	4.61	4.99	3.85	10.28	5.20	2.66
5	0.21	1.49	1.75	4.93	3.78	6.00	4.37	5.42	4.05	12.99	5.72	2.56
6	0.14	1.34	1.81	4.39	3.58	5.45	4.27	5.54	4.26	13.83	6.14	2.77
7	0.15	1.33	1.88	3.96	3.85	5.78	4.42	4.98	5.34	13.34	6.11	2.88
8	0.45	1.35	2.00	3.64	5.68	7.97	5.90	5.28	7.04	12.37	6.21	2.84
9	0.37	1.81	2.06	3.39	7.05	9.81	8.53	7.32	7.67	10.38	7.79	2.63
10	0.27	2.74	1.99	3.24	6.62	13.31	10.15	9.61	8.13	7.19	8.60	2.39
11	0.33	3.04	1.98	3.10	5.82	15.61	11.85	15.43	7.93	5.73	7.03	2.24
12	0.75	3.53	2.19	2.98	5.60	14.91	12.62	18.02	6.75	5.27	4.97	2.11
13	0.82	5.71	3.05	2.85	5.56	13.38	11.73	16.88	5.61	5.91	4.55	2.00
14	1.54	7.95	4.26	2.74	5.36	10.91	9.44	14.94	5.43	6.53	4.72	1.92
15	4.92	8.93	5.01	2.64	4.79	7.29	6.72	12.64	6.81	7.15	4.42	1.86
16	6.37	9.53	5.07	2.56	4.30	6.09	5.56	8.73	7.99	6.82	4.13	1.85
17	7.10	9.51	4.45	2.53	5.68	6.38	4.99	6.29	8.87	5.60	4.33	1.87
18	7.73	7.30	3.93	2.52	8.07	7.16	4.65	5.96	8.75	4.85	4.27	1.81
19	8.13	5.78	3.42	2.51	9.08	8.03	4.56	5.64	7.67	4.40	3.96	1.73
20	8.16	5.00	3.57	2.49	9.47	9.25	5.25	5.91	8.16	4.54	4.01	1.67
21	6.59	4.41	4.30	2.46	8.70	10.36	5.28	6.51	9.85	4.50	4.42	1.61
22	3.89	3.81	5.08	2.51	6.89	10.86	4.84	7.54	13.16	4.14	4.23	1.59
23	2.88	3.27	5.03	2.72	6.88	12.23	4.44	8.80	15.01	4.46	3.74	1.88
24	2.57	2.96	4.80	2.96	8.35	13.65	4.18	10.26	14.35	5.59	3.36	2.97
25	2.41	2.82	6.08	2.97	9.32	14.03	4.33	13.39	12.50	5.75	3.10	4.47
26	2.17	2.74	8.04	2.81	9.90	13.58	5.46	14.45	8.13	5.34	2.90	4.29
27	1.93	2.52	9.10	2.69	9.56	12.09	7.54	13.47	4.88	4.87	2.73	3.56
28	1.77	2.31	9.92	2.52	8.12	8.62	8.68	12.17	4.23	4.39	2.66	2.97
29	1.67	2.17	10.53	2.41	---	6.21	9.26	10.17	4.27	4.04	2.91	2.49
30	1.58	2.07	10.58	2.55	---	5.86	9.37	6.63	4.86	4.42	3.15	2.19
31	1.49	---	8.91	3.25	---	5.63	---	5.11	---	3.98	2.93	---
MEAN	2.53	3.74	4.46	3.31	6.44	9.39	6.61	9.05	7.27	6.74	4.55	2.45
MAX	8.16	9.53	10.58	5.79	9.90	15.61	12.62	18.02	15.01	13.83	8.60	4.47
MIN	0.14	1.33	1.74	2.41	3.58	5.45	4.18	4.98	3.85	3.98	2.66	1.59

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02349605 FLINT RIVER AT GA 26, NEAR MONTEZUMA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 193
LATITUDE 321735 LONGITUDE 0840237 NAD83 DRAINAGE AREA 2920.00* CONTRIBUTING DRAINAGE AREA DATUM 250.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.23	0.00	0.24	0.00	0.13	0.00	0.41	0.00	0.00
2	0.00	0.00	0.00	0.13	0.00	0.02	0.00	0.35	0.00	0.04	0.10	0.00
3	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.01	0.31	0.00	0.64	1.62
4	0.00	0.11	0.00	0.00	0.08	0.21	0.00	0.00	1.65	0.00	0.26	0.01
5	0.00	0.37	0.31	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.09	0.12
6	0.00	0.05	0.00	0.00	0.80	0.22	0.00	0.00	0.97	0.00	0.17	0.09
7	0.85	0.00	0.00	0.00	0.01	0.61	1.93	0.00	1.68	0.00	1.38	0.02
8	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.00	0.09	0.01	0.27	0.00
9	0.00	0.01	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00
10	0.00	0.69	0.25	0.00	0.18	0.00	0.30	0.00	0.00	0.00	0.23	0.00
11	0.00	1.05	0.02	0.00	0.00	0.00	0.00	0.57	0.00	0.28	0.71	0.00
12	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.01	1.64	2.25	0.03	0.00
13	1.20	0.00	1.31	0.00	0.00	0.19	0.00	0.00	0.19	0.10	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.02	0.50	0.01	0.00	0.03
15	1.79	0.00	0.00	0.00	0.00	0.13	0.00	0.02	0.00	0.00	0.00	0.00
16	0.01	0.39	0.00	0.08	1.26	0.00	0.00	0.00	0.32	0.02	0.03	0.00
17	0.00	0.18	0.00	0.00	0.03	1.69	0.12	0.52	1.02	0.00	0.01	0.00
18	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.08	0.01	0.00	0.00	0.00
19	0.00	0.00	0.38	0.00	0.00	0.22	0.00	0.11	0.01	0.00	0.04	0.00
20	0.00	0.00	0.69	0.00	0.00	2.16	0.00	0.00	0.00	0.00	0.04	0.00
21	0.06	0.00	0.00	0.00	0.50	0.00	0.01	0.90	0.00	0.00	0.00	0.03
22	0.01	0.00	0.00	0.71	1.23	0.00	0.00	2.26	0.00	1.07	0.07	0.09
23	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.08
24	0.44	0.00	1.57	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.01
25	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.04	0.02
26	0.03	0.00	0.00	0.00	0.13	0.00	0.00	0.50	0.00	0.00	0.00	0.01
27	0.16	0.00	0.00	0.00	0.40	0.04	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00
29	0.08	0.00	0.00	0.00	---	0.00	0.00	0.00	0.29	1.76	0.19	0.00
30	0.00	0.00	0.00	0.69	---	0.10	0.00	0.00	0.61	0.02	0.01	0.00
31	0.00	---	0.68	0.00	---	0.00	---	0.39	---	0.00	0.00	---
TOTAL	4.67	3.78	5.21	1.84	4.62	6.01	5.00	5.87	9.29	6.55	4.41	2.13

APALACHICOLA RIVER BASIN
2003 Water Year

02349695 HORSEHEAD CREEK AT GA 224, NEAR MONTEZUMA, GA

LOCATION.—Lat 32°21'28", long 83°56'11" referenced to North American Datum (NAD) of 1927, Macon County, Hydrologic Unit 03130006, at culvert on GA 224, 8.7 miles northeast of Montezuma.

DRAINAGE AREA.—0.72 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1977 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 315.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 6.96 feet, July 6, 1994
DISCHARGE: 200 cfs, July 6, 1994

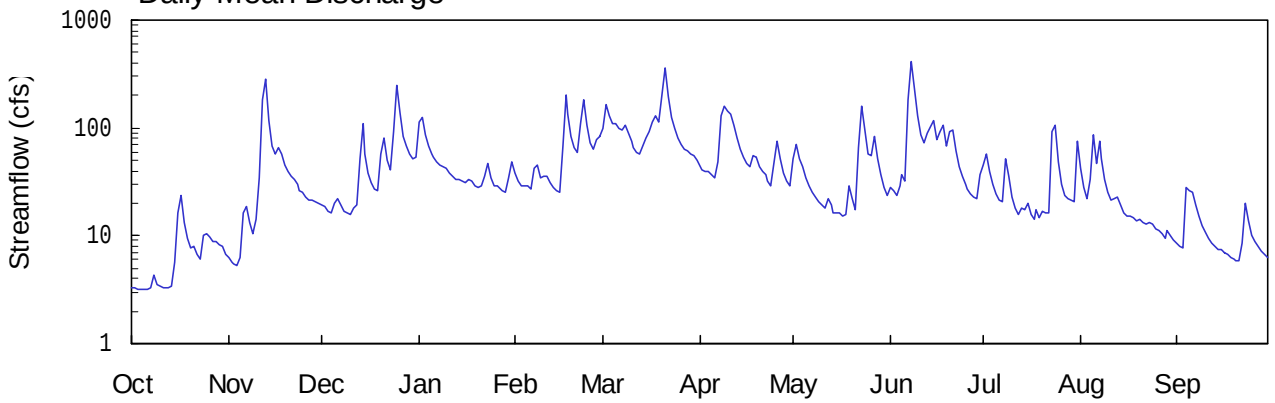
MAXIMUM FOR CURRENT YEAR.—
STAGE: 3.36 feet, September 22
DISCHARGE: 70.0 cfs, September 22

2003 Water Year

02349900 TURKEY CREEK AT BYROMVILLE, GA

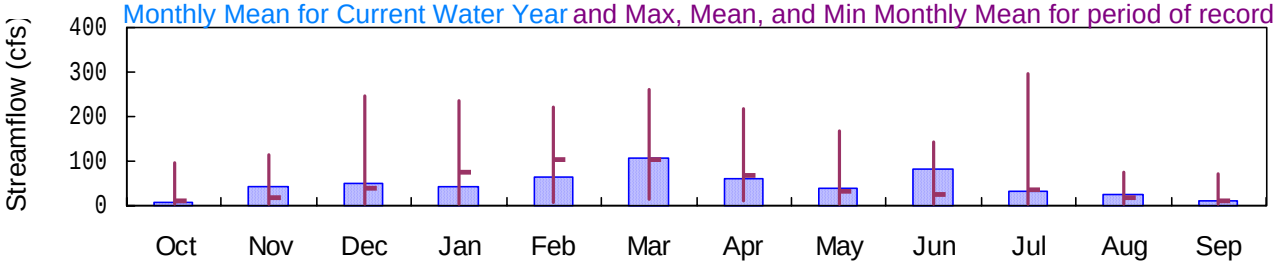
Latitude: 32°11'44" Longitude: 083°54'08" Hydrologic Unit Code: 03130006 Dooly County
Drainage Area: 45.0 mi² Datum: 286.0 feet

Daily Mean Discharge

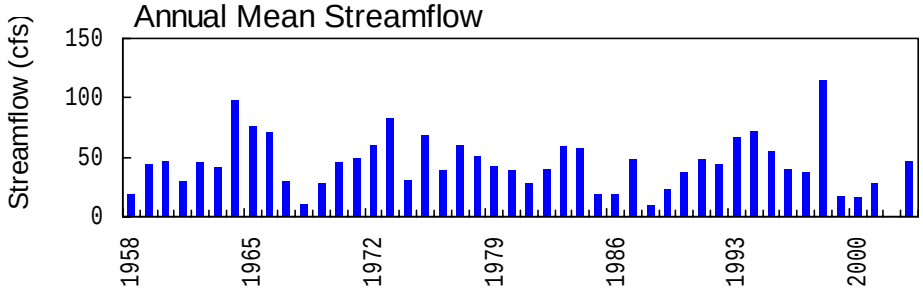


Monthly Statistics

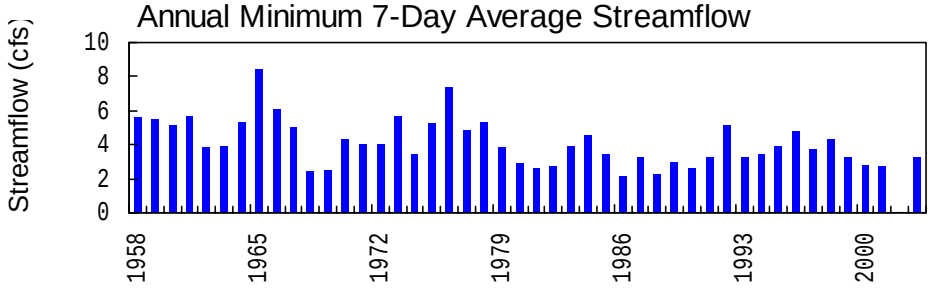
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



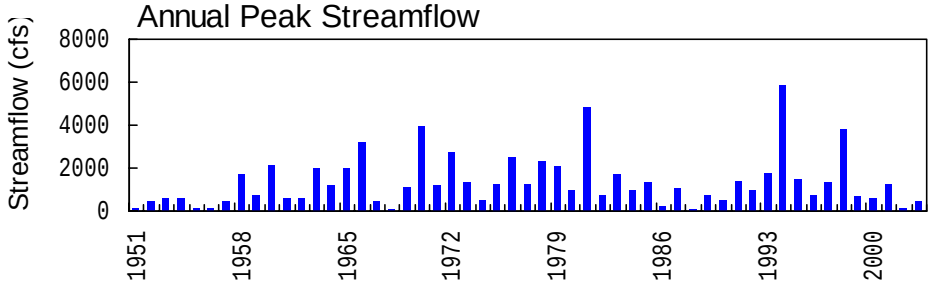
Annual Mean Streamflow

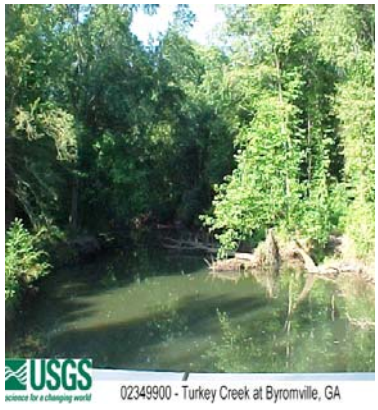


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





APALACHICOLA RIVER BASIN
2003 Water Year

02349900 TURKEY CREEK AT BYROMVILLE, GA

LOCATION.—Lat 32°11'44", long 83°54'08" referenced to North American Datum (NAD) of 1983, Dooly County, Hydrologic Unit 03130006, on downstream side of bridge pier on GA 90, 0.5 miles southwest of Byromville, 1.1 miles downstream from Rogers Branch, and 11.0 miles upstream from mouth.

DRAINAGE AREA.—45 square miles, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Water years 1951-58 (annual maximum), June 1958 to current year.

REVISED RECORDS.—WDR GA-90-1: 1967, 1969, WDR GA-92-1: 1968.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 286.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). Prior to June 19, 1958, a crest-stage gage was located at a site 50.00 feet upstream at same datum.

REMARKS.—Records good.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 400 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/21	0330	459*	9.50*
06/08	1245	456	9.49

WATER-STAGE RECORDS

PERIOD OF RECORD.—Water years 1951-58 (annual maximum), June 1958 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 286.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). Prior to June 19, 1958, a crest-stage gage was located at a site 50.00 feet upstream at same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 9.50 feet, March 21; minimum gage-height recorded, 4.53 feet, October 7.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02349900 TURKEY CREEK AT BYROMVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 093
LATITUDE 321144 LONGITUDE 0835408 NAD83 DRAINAGE AREA 45.00 CONTRIBUTING DRAINAGE AREA 45.00* DATUM 286.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	6.3	19	115	38	98	44	52	28	46	43	8.5
2	3.2	5.7	19	124	32	167	41	71	26	58	28	8.0
3	3.2	5.5	17	85	29	131	40	52	23	40	22	7.7
4	3.2	5.3	16	68	29	110	39	43	29	30	34	28
5	3.2	6.4	20	58	29	111	37	34	36	24	87	26
6	3.2	16	22	53	27	97	35	29	32	21	47	26
7	3.3	19	19	48	43	95	49	25	180	20	75	19
8	4.3	13	17	44	45	106	131	23	406	51	52	15
9	3.5	10	16	43	34	88	162	21	230	35	34	13
10	3.4	14	16	42	35	76	146	19	132	23	25	11
11	3.3	35	18	39	36	66	136	18	87	18	21	9.3
12	3.2	181	19	35	31	59	106	22	74	16	22	8.4
13	3.3	285	52	34	28	57	80	19	88	18	23	7.9
14	3.4	116	110	33	26	67	63	16	102	17	19	7.6
15	5.8	69	58	32	25	80	53	16	119	20	16	7.4
16	16	58	38	31	67	93	47	16	78	16	15	7.1
17	24	66	31	33	204	113	43	15	94	14	15	6.7
18	13	58	27	32	136	131	56	16	106	17	15	6.3
19	9.5	45	26	29	84	114	53	29	68	15	14	6.2
20	7.7	39	58	28	66	203	43	22	92	17	14	5.9
21	8.0	36	81	29	59	361	39	18	94	16	13	5.8
22	6.8	34	50	36	110	194	37	66	62	16	13	8.6
23	6.2	30	40	47	184	125	32	157	44	92	13	20
24	10	26	91	35	105	97	29	96	35	105	13	14
25	11	25	244	29	74	81	47	57	30	49	12	10
26	9.9	23	141	29	63	70	75	55	27	30	11	8.8
27	8.7	21	85	28	77	64	53	82	24	23	10	7.9
28	8.9	22	67	26	84	61	38	52	23	22	9.6	7.2
29	8.3	20	58	25	---	58	32	36	22	21	11	6.7
30	8.1	20	52	34	---	55	29	28	37	20	10	6.3
31	6.7	---	53	49	---	50	---	24	---	75	9.1	---
TOTAL	215.6	1310.2	1580	1373	1800	3278	1815	1229	2428	985	745.7	330.3
MEAN	6.95	43.7	51.0	44.3	64.3	106	60.5	39.6	80.9	31.8	24.1	11.0
MAX	24	285	244	124	204	361	162	157	406	105	87	28
MIN	3.2	5.3	16	25	25	50	29	15	22	14	9.1	5.8
CFSM	0.15	0.97	1.13	0.98	1.43	2.35	1.34	0.88	1.80	0.71	0.53	0.24
IN.	0.18	1.08	1.31	1.14	1.49	2.71	1.50	1.02	2.01	0.81	0.62	0.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2003, BY WATER YEAR (WY)

MEAN	11.8	18.3	39.0	74.0	105	105	68.6	32.5	26.7	33.9	19.5	10.8
MAX	95.1	115	248	235	223	260	218	166	142	297	76.3	69.8
(WY)	1995	1998	1998	1964	1983	1966	1998	1976	1973	1994	1969	1998
MIN	3.06	4.16	3.96	5.29	7.74	15.6	10.6	4.56	3.69	2.62	2.51	2.86
(WY)	2001	1989	1989	1989	1989	1989	1968	2002	1988	1988	2002	1990

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1958 - 2003	
ANNUAL TOTAL	6065.4		17089.8			
ANNUAL MEAN	16.6		46.8		45.1	
HIGHEST ANNUAL MEAN					115	1998
LOWEST ANNUAL MEAN					9.36	2002
HIGHEST DAILY MEAN	285	Nov 13	406	Jun 8	3900	Jul 6 1994
LOWEST DAILY MEAN	2.1	Aug 22	3.2	Oct 2-6,12	2.0	Oct 5 1968
ANNUAL SEVEN-DAY MINIMUM	2.2	Aug 20	3.2	Oct 1	2.1	Jul 10 1986
MAXIMUM PEAK FLOW			459	Mar 21	5820	Jul 6 1994
MAXIMUM PEAK STAGE			9.50	Mar 21	14.29	Jul 6 1994
INSTANTANEOUS LOW FLOW			2.8	Oct 1	1.9	Oct 5 1968
ANNUAL RUNOFF (CFSM)	0.37		1.04		1.00	
ANNUAL RUNOFF (INCHES)	5.01		14.13		13.63	
10 PERCENT EXCEEDS	36		105		106	
50 PERCENT EXCEEDS	6.9		30		15	
90 PERCENT EXCEEDS	2.5		7.8		4.4	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02349900 TURKEY CREEK AT BYROMVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 093
LATITUDE 321144 LONGITUDE 0835408 NAD83 DRAINAGE AREA 45.00 CONTRIBUTING DRAINAGE AREA 45.00* DATUM 286.00 NGVD29

APPROVED

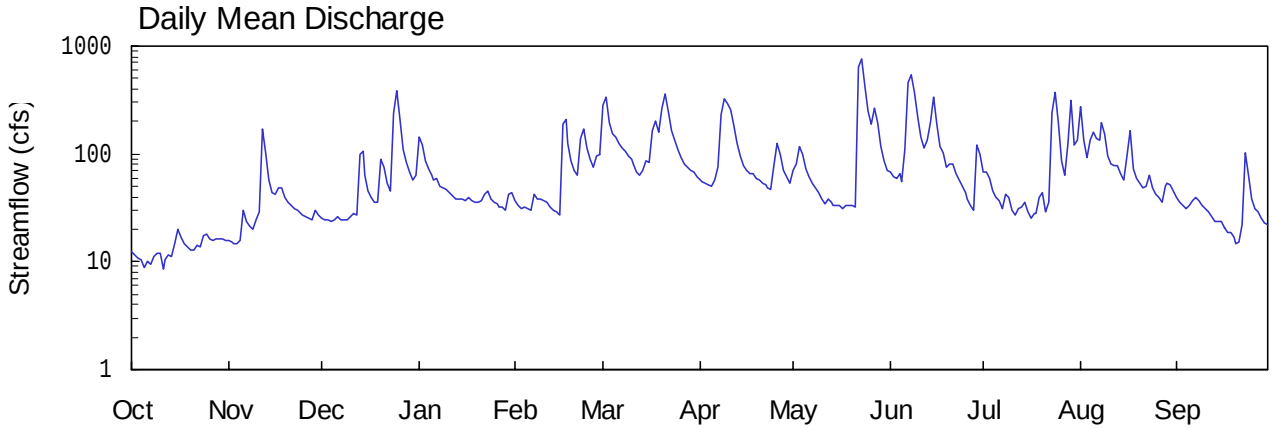
Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

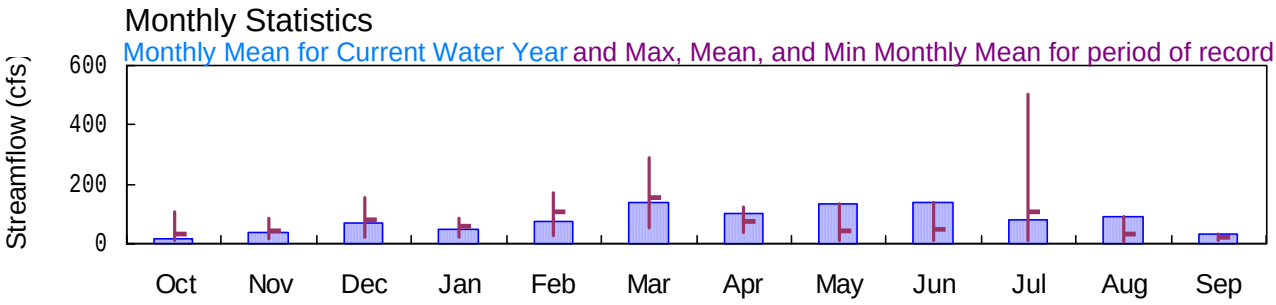
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.55	4.84	5.70	7.47	6.16	7.23	6.31	6.47	5.86	6.35	6.27	4.99
2	4.55	4.79	5.68	7.59	5.99	8.00	6.24	6.85	5.81	6.62	5.88	4.95
3	4.54	4.78	5.60	7.10	5.90	7.66	6.21	6.50	5.72	6.21	5.67	4.93
4	4.54	4.76	5.58	6.81	5.92	7.43	6.19	6.30	5.89	5.95	5.98	5.85
5	4.54	4.84	5.72	6.63	5.90	7.44	6.12	6.06	6.12	5.76	7.09	5.79
6	4.54	5.43	5.81	6.52	5.84	7.27	6.07	5.91	5.97	5.65	6.37	5.80
7	4.55	5.53	5.71	6.40	6.28	7.24	6.37	5.79	7.95	5.60	6.85	5.55
8	4.66	5.28	5.61	6.32	6.33	7.38	7.66	5.70	9.31	6.46	6.48	5.36
9	4.58	5.13	5.58	6.29	6.06	7.15	7.96	5.63	8.45	6.08	6.04	5.22
10	4.56	5.34	5.57	6.26	6.09	6.96	7.82	5.57	7.66	5.70	5.78	5.12
11	4.56	6.05	5.65	6.18	6.11	6.77	7.71	5.53	7.13	5.51	5.63	5.04
12	4.55	8.00	5.70	6.09	5.96	6.65	7.38	5.69	6.92	5.43	5.67	4.98
13	4.55	8.74	6.48	6.04	5.86	6.61	7.01	5.56	7.13	5.51	5.71	4.95
14	4.56	7.48	7.43	6.02	5.81	6.79	6.72	5.45	7.34	5.48	5.55	4.93
15	4.77	6.84	6.65	5.99	5.78	7.02	6.51	5.44	7.53	5.58	5.41	4.92
16	5.39	6.66	6.24	5.96	6.60	7.21	6.38	5.43	6.98	5.42	5.36	4.89
17	5.72	6.80	6.07	6.03	8.28	7.44	6.29	5.39	7.21	5.35	5.34	4.87
18	5.28	6.65	5.96	5.99	7.70	7.66	6.58	5.42	7.37	5.49	5.32	4.84
19	5.07	6.39	5.93	5.92	7.07	7.47	6.52	5.90	6.82	5.37	5.28	4.82
20	4.95	6.26	6.64	5.89	6.77	8.18	6.30	5.67	7.15	5.46	5.31	4.80
21	4.97	6.19	7.04	5.90	6.64	9.11	6.18	5.50	7.23	5.44	5.26	4.80
22	4.88	6.13	6.51	6.10	7.33	8.21	6.13	6.66	6.69	5.44	5.24	4.96
23	4.83	6.03	6.30	6.37	8.14	7.60	6.00	7.92	6.30	7.11	5.26	5.56
24	5.10	5.93	7.03	6.08	7.35	7.27	5.90	7.22	6.09	7.36	5.24	5.29
25	5.14	5.89	8.54	5.92	6.91	7.03	6.37	6.61	5.95	6.41	5.17	5.09
26	5.10	5.83	7.75	5.90	6.72	6.85	6.93	6.53	5.83	5.94	5.14	5.01
27	5.02	5.78	7.09	5.87	6.97	6.75	6.50	7.05	5.75	5.72	5.10	4.95
28	5.04	5.78	6.80	5.81	7.08	6.68	6.17	6.49	5.71	5.68	5.06	4.90
29	4.99	5.74	6.62	5.79	---	6.62	6.00	6.11	5.68	5.64	5.14	4.86
30	4.97	5.72	6.50	6.05	---	6.56	5.91	5.89	6.13	5.61	5.08	4.84
31	4.87	---	6.51	6.43	---	6.45	---	5.73	---	6.85	5.03	---
MEAN	4.84	5.99	6.32	6.25	6.56	7.25	6.55	6.06	6.72	5.88	5.60	5.10
MAX	5.72	8.74	8.54	7.59	8.28	9.11	7.96	7.92	9.31	7.36	7.09	5.85
MIN	4.54	4.76	5.57	5.79	5.78	6.45	5.90	5.39	5.68	5.35	5.03	4.80

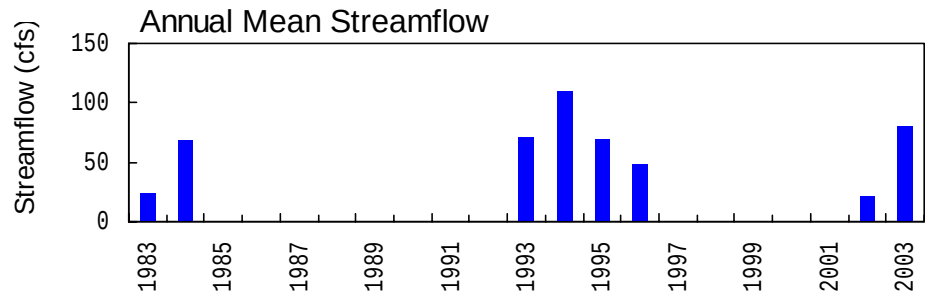
2003 Water Year

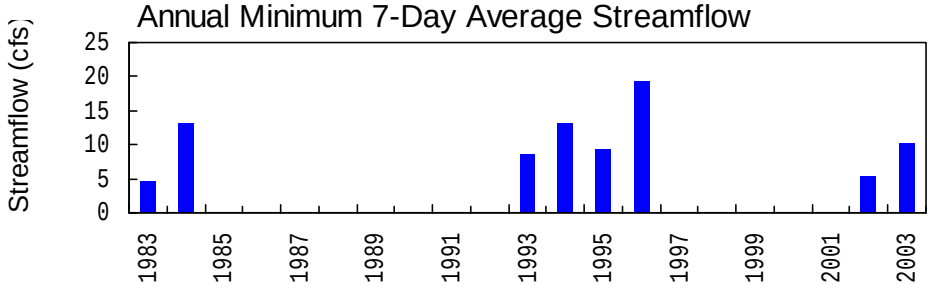
02350080 LIME CREEK NEAR COBB, GA

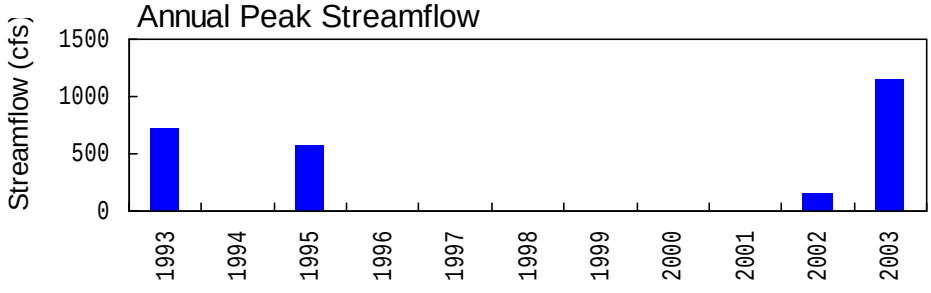
Latitude: 32°02'02" Longitude: 083°59'47" Hydrologic Unit Code: 03130006 Sumter County
Drainage Area: 61.4 mi² Datum: 250.0 feet











APALACHICOLA RIVER BASIN
2003 Water Year

02350080 LIME CREEK NEAR COBB, GA

LOCATION.--Lat 32°02'02", long 83°59'47" referenced to North American Datum (NAD) of 1927, Sumter County, Hydrologic Unit 03130006, on right side of stream, 0.4 miles upstream of bridge crossing for Spring Creek Church Road, 1.85 miles north of intersection of Spring Creek Church Road and Lower River Road, 6.85 miles north of Cobb.

DRAINAGE AREA.—61.8 square miles, approximately.

COOPERATION.—USGS National Water-Quality Assessment (NAWQA) Program.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1983 to January 1984, March 1993 to February 1996, May 30, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 250.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). From April 1983 to January 1984, and from March 1993 to July 1994, a recording gage was located on bridge downstream 0.4 miles downstream.

REMARKS.—Records good.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1983 to January 1984, March 1993 to July 1994, May 30, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 250.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). From April 1983 to January 1984, and from March 1993 to July 1994, a recording gage was located on bridge downstream 0.4 miles downstream.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 16.42 feet, May 22; minimum gage-height recorded, 8.68 feet, October 11.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 30, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02350080 LIME CREEK NEAR COBB, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 261
LATITUDE 320202 LONGITUDE 0835947 NAD27 DRAINAGE AREA 61.4* CONTRIBUTING DRAINAGE AREA DATUM 250.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	16	26	142	37	289	57	70	68	67	271	39
2	12	15	25	121	34	338	56	81	61	68	135	e35
3	11	15	24	88	32	197	54	117	59	60	91	33
4	10	15	24	73	32	151	51	98	66	46	135	31
5	8.8	16	24	64	31	142	50	72	55	40	158	33
6	10	30	26	58	30	124	57	61	109	37	140	37
7	9.4	24	25	59	42	113	76	53	450	31	136	39
8	11	21	25	51	38	107	231	48	551	43	192	37
9	12	20	24	49	38	94	320	43	373	39	155	33
10	12	25	e26	47	37	88	296	38	223	30	95	31
11	8.5	29	28	43	35	79	256	35	142	28	80	29
12	10	168	27	40	32	69	180	38	114	31	77	26
13	12	103	98	39	30	64	127	35	133	32	78	24
14	11	57	107	38	29	70	96	33	197	35	65	24
15	14	44	63	38	27	86	77	33	334	29	57	23
16	20	42	45	37	191	83	70	33	188	25	97	21
17	17	48	39	39	206	166	66	31	119	29	166	19
18	15	48	36	37	125	200	66	33	103	28	73	19
19	14	39	36	36	86	162	58	33	75	39	59	17
20	13	36	90	36	70	264	56	33	81	43	54	15
21	13	34	75	36	63	356	54	32	79	29	49	15
22	14	31	53	42	141	250	52	642	67	36	49	22
23	14	30	45	45	171	164	48	773	58	243	63	102
24	17	29	236	38	115	132	46	434	50	375	48	64
25	18	27	387	36	88	108	79	247	44	196	42	38
26	16	26	209	34	76	92	125	192	38	87	40	31
27	16	26	110	33	96	81	101	265	33	64	36	29
28	16	25	82	32	97	75	71	194	30	125	50	26
29	16	30	67	31	---	70	62	117	120	319	53	23
30	16	27	58	43	---	67	54	85	98	121	52	22
31	16	---	63	44	---	60	---	70	---	136	44	---
TOTAL	414.7	1096	2203	1549	2029	4341	2992	4069	4118	2511	2840	937
MEAN	13.4	36.5	71.1	50.0	72.5	140	99.7	131	137	81.0	91.6	31.2
MAX	20	168	387	142	206	356	320	773	551	375	271	102
MIN	8.5	15	24	31	27	60	46	31	30	25	36	15
CFSM	0.22	0.60	1.16	0.81	1.18	2.28	1.62	2.14	2.24	1.32	1.49	0.51
IN.	0.25	0.66	1.33	0.94	1.23	2.63	1.81	2.47	2.49	1.52	1.72	0.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2003, BY WATER YEAR (WY)

MEAN	31.5	42.5	78.9	56.5	106	157	76.0	44.5	50.7	107	32.3	20.5
MAX	105	83.7	157	83.1	172	288	124	131	137	504	91.6	31.2
(WY)	1995	1995	1995	1995	1994	1993	1993	2003	2003	1994	2003	2003
MIN	11.9	15.3	20.7	22.6	29.3	53.2	38.6	10.5	8.26	12.2	7.64	12.9
(WY)	2002	2002	2002	2002	2002	2002	1995	2002	2002	2002	1983	1993

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1983 - 2003	
ANNUAL TOTAL	9860.6		29099.7			
ANNUAL MEAN	27.0		79.7		70.1	
HIGHEST ANNUAL MEAN					110	1994
LOWEST ANNUAL MEAN					20.9	2002
HIGHEST DAILY MEAN	387	Dec 25	773	May 23	6000	Jul 6 1994
LOWEST DAILY MEAN	3.5	Jul 11	8.5	Oct 11	3.2	Aug 17 1983
ANNUAL SEVEN-DAY MINIMUM	5.4	Sep 7	10	Oct 5	4.6	Aug 16 1983
MAXIMUM PEAK FLOW			1150	May 22	1150	May 22 2003
MAXIMUM PEAK STAGE			16.42	May 22	23.70	Jul 6 1994
INSTANTANEOUS LOW FLOW			0.73	Oct 11		
ANNUAL RUNOFF (CFSM)	0.44		1.30		1.14	
ANNUAL RUNOFF (INCHES)	5.97		17.63		15.50	
10 PERCENT EXCEEDS	54		183		145	
50 PERCENT EXCEEDS	19		48		36	
90 PERCENT EXCEEDS	7.1		17		11	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02350080 LIME CREEK NEAR COBB, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 261
LATITUDE 320202 LONGITUDE 0835947 NAD27 DRAINAGE AREA 61.4* CONTRIBUTING DRAINAGE AREA DATUM 250.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.65	9.78	10.16	11.66	10.42	12.55	10.74	10.82	10.82	10.88	12.64	10.46
2	9.62	9.76	10.14	11.47	10.35	13.05	10.73	11.01	10.69	10.89	11.58	---
3	9.59	9.75	10.13	11.13	10.30	12.11	10.70	11.42	10.67	10.78	11.16	10.33
4	9.56	9.74	10.12	10.96	10.32	11.75	10.66	11.22	10.77	10.57	11.59	10.30
5	9.49	9.78	10.13	10.84	10.29	11.66	10.63	10.88	10.60	10.47	11.80	10.34
6	9.55	10.20	10.17	10.75	10.27	11.49	10.71	10.70	11.11	10.41	11.64	10.42
7	9.52	10.04	10.14	10.77	10.50	11.39	10.91	10.57	13.68	10.29	11.58	10.46
8	9.61	9.97	10.14	10.65	10.44	11.33	12.35	10.48	14.21	10.52	12.08	10.42
9	9.63	9.93	10.13	10.63	10.44	11.20	12.95	10.37	13.26	10.45	11.77	10.34
10	9.64	10.07	10.15	10.59	10.42	11.13	12.80	10.25	12.30	10.27	11.21	10.29
11	9.44	10.17	10.22	10.53	10.38	11.03	12.55	10.18	11.66	10.21	11.04	10.25
12	9.57	11.81	10.20	10.48	10.32	10.90	11.98	10.26	11.40	10.30	11.00	10.18
13	9.62	11.27	11.14	10.45	10.28	10.83	11.52	10.20	11.57	10.32	11.01	10.12
14	9.61	10.72	11.32	10.43	10.24	10.92	11.20	10.14	12.11	10.38	10.85	10.12
15	9.73	10.51	10.82	10.43	10.21	11.11	10.94	10.14	13.04	10.24	10.74	10.11
16	9.93	10.47	10.57	10.41	11.75	11.07	10.84	10.14	12.04	10.16	11.11	10.03
17	9.81	10.58	10.46	10.46	12.17	11.82	10.79	10.09	11.44	10.23	11.82	9.97
18	9.74	10.58	10.40	10.42	11.50	12.14	10.78	10.13	11.28	10.21	10.95	9.96
19	9.71	10.43	10.40	10.40	11.11	11.83	10.66	10.14	10.94	10.41	10.77	9.91
20	9.68	10.37	11.14	10.39	10.91	12.55	10.62	10.13	11.02	10.52	10.69	9.85
21	9.67	10.31	10.97	10.40	10.82	13.17	10.58	10.11	11.01	10.25	10.63	9.85
22	9.72	10.27	10.68	10.51	11.58	12.49	10.55	14.25	10.84	10.35	10.63	10.06
23	9.70	10.24	10.56	10.57	11.91	11.85	10.47	15.12	10.71	12.28	10.82	11.27
24	9.84	10.22	12.11	10.43	11.41	11.57	10.43	13.60	10.61	13.28	10.61	10.83
25	9.87	10.18	13.35	10.39	11.13	11.34	10.93	12.46	10.50	12.08	10.51	10.47
26	9.80	10.17	12.19	10.36	10.99	11.18	11.50	12.06	10.41	11.11	10.46	10.34
27	9.78	10.16	11.36	10.32	11.21	11.05	11.25	12.61	10.32	10.83	10.40	10.30
28	9.80	10.15	11.06	10.31	11.23	10.97	10.86	12.09	10.26	11.32	10.62	10.24
29	9.80	10.26	10.88	10.28	---	10.91	10.72	11.42	11.40	12.90	10.69	10.18
30	9.81	10.21	10.76	10.51	---	10.87	10.58	11.07	11.19	11.46	10.67	10.17
31	9.79	---	10.81	10.54	---	10.79	---	10.84	---	11.60	10.55	---
MEAN	9.69	10.27	10.74	10.60	10.82	11.55	11.10	11.13	11.40	10.84	11.08	---
MAX	9.93	11.81	13.35	11.66	12.17	13.17	12.95	15.12	14.21	13.28	12.64	---
MIN	9.44	9.74	10.12	10.28	10.21	10.79	10.43	10.09	10.26	10.16	10.40	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02350080 LIME CREEK NEAR COBB, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 261
LATITUDE 320202 LONGITUDE 0835947 NAD27 DRAINAGE AREA 61.4* CONTRIBUTING DRAINAGE AREA DATUM 250.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.15	0.00	1.67	0.00	0.37	0.00	0.48	0.30	0.00
2	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.65	0.00	0.32	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.01	0.33	0.01	0.42	0.00
4	0.00	0.05	0.00	0.00	0.12	0.22	0.00	0.00	0.01	0.00	0.53	0.00
5	0.00	1.01	0.15	0.00	0.00	0.01	0.21	0.00	0.00	0.00	0.03	0.05
6	0.00	0.03	0.00	0.00	0.50	0.00	0.01	0.00	1.97	0.13	0.19	0.04
7	0.76	0.00	0.01	0.00	0.00	0.28	1.38	0.00	1.98	1.79	0.96	0.00
8	0.01	0.00	0.00	0.00	0.00	0.00	0.90	0.00	0.06	0.00	0.00	0.00
9	0.00	0.02	0.00	0.00	0.02	0.08	0.37	0.00	0.00	0.00	0.00	0.00
10	0.00	0.49	0.19	0.00	0.22	0.00	0.22	0.00	0.00	0.04	0.04	0.00
11	0.00	0.92	0.00	0.00	0.00	0.00	0.00	0.35	0.01	0.22	0.00	0.00
12	0.00	1.53	0.01	0.00	0.00	0.00	0.00	0.01	0.06	0.38	0.22	0.00
13	0.05	0.00	1.51	0.00	0.00	0.28	0.00	0.00	0.54	0.02	0.01	0.00
14	0.01	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.94	0.01	0.00	0.03
15	1.53	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.02	0.00	0.00
16	0.00	0.33	0.00	0.11	2.61	0.00	0.00	0.00	0.00	0.00	0.57	0.00
17	0.00	0.17	0.00	0.00	0.03	0.84	0.09	0.03	0.02	0.09	0.00	0.00
18	0.00	0.00	0.06	0.00	0.01	0.03	0.00	0.47	0.03	0.00	0.00	0.00
19	0.00	0.00	0.35	0.00	0.00	0.10	0.00	0.01	0.08	0.91	0.00	0.00
20	0.01	0.03	0.51	0.00	0.00	0.85	0.00	0.02	0.01	0.00	0.02	0.00
21	0.23	0.00	0.01	0.00	0.14	0.00	0.00	0.09	0.00	0.00	0.00	0.02
22	0.05	0.00	0.00	0.35	0.91	0.00	0.00	7.40	0.00	0.81	0.02	1.35
23	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.01	0.57
24	0.71	0.00	1.94	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.04	0.00
26	0.02	0.00	0.00	0.00	0.24	0.00	0.01	0.56	0.00	0.00	0.00	0.00
27	0.07	0.00	0.00	0.00	0.31	0.16	0.00	0.01	0.00	0.00	0.00	0.00
28	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.71	0.23	0.00
29	0.06	0.00	0.00	0.00	---	0.00	0.00	0.00	1.23	0.02	0.00	0.00
30	0.01	0.00	0.00	0.53	---	0.17	0.08	0.00	0.22	0.60	0.01	0.00
31	0.00	---	0.88	0.01	---	0.00	---	0.23	---	0.24	0.00	---
TOTAL	3.57	4.58	5.62	1.16	5.11	5.42	4.82	10.21	7.97	8.29	3.60	2.06

APALACHICOLA RIVER BASIN
2003 Water Year

02350080 LIME CREEK NEAR COBB, GA

LOCATION.--Lat 32°02'02", long 83°59'47" referenced to North American Datum (NAD) of 1927, Sumter County, Hydrologic Unit 03130006, on right side of stream, 0.4 miles upstream of bridge crossing for Spring Creek Church Road, 1.85 miles north of intersection of Spring Creek Church Road and Lower River Road, 6.85 miles north of Cobb.

DRAINAGE AREA.—61.8 square miles, approximately.

COOPERATION.—USGS National Water-Quality Assessment Program.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---April 1992 to December 1995, February 2000 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)
OCT													
10...	1000	1028	80020	9.65	12	40	9.5	763	6.8	77	7.1	80	--
NOV													
08...	1045	1028	80020	9.75	21	10	4.5	768	8.7	81	7.2	113	--
DEC													
04...	1030	1028	80020	10.13	24	10	4.6	767	9.5	83	7.3	126	--
JAN													
16...	1130	1028	80020	10.76	37	10	7.3	766	10.4	83	7.2	112	--
FEB													
12...	1000	1028	80020	10.32	32	10	6.2	767	10.2	86	7.3	113	--
MAR													
20...	1145	1028	80020	12.95	317	40	75	755	7.1	76	7.0	112	--
APR													
03...	0915	1028	80020	10.70	54	10	7.2	768	8.3	82	7.2	109	15.5
17...	1100	1028	80020	10.78	66	40	12	759	7.6	81	7.1	108	18.5
MAY													
01...	1530	1028	80020	11.12	89	40	32	760	7.0	80	7.0	93	26.5
15...	1045	1028	80020	10.14	33	10	13	761	7.8	86	7.2	114	--
28...	0900	1028	80020	12.27	216	40	39	763	6.7	74	6.6	80	--
JUN													
18...	0830	1028	80020	11.37	111	40	22	760	5.9	70	6.9	95	--
JUL													
03...	1030	1028	80020	10.82	63	40	23	761	6.4	76	7.0	122	23.5
24...	1030	1028	80020	13.38	391	40	60	764	5.8	68	6.6	80	--
30...	1300	1028	80020	11.24	98	40	33	763	6.0	72	6.8	89	30.5
AUG													
14...	1230	1028	80020	10.87	67	40	15	770	6.3	73	7.0	102	--
29...	1045	1028	80020	10.70	54	10	17	763	6.2	75	7.0	111	--
SEP													
10...	0915	1028	80020	10.30	31	10	9.9	763	6.9	80	7.2	97	20.5

02350080 LIME CREEK NEAR COBB, GA—continued.

Date	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)
OCT													
10...	21.8	28	34	4.71	1.0	.30	<.04	--	--	.15	--	<.008	--
NOV													
08...	12.7	44	54	4.92	2.5	.31	<.04	--	--	.31	--	E.004	--
DEC													
04...	9.6	44	54	5.81	2.9	.16	<.04	--	--	.43	--	<.008	--
JAN													
16...	6.1	39	48	4.75	4.0	.17	<.04	--	--	.67	--	<.008	--
FEB													
12...	8.4	39	48	5.24	4.3	.16	<.04	--	--	.37	--	<.008	--
MAR													
20...	18.3	40	49	5.23	2.9	.81	.06	2.75	.62	.63	.026	.008	.75
APR													
03...	15.2	--	--	--	--	.36	.05	--	--	.54	--	E.005	.30
17...	18.3	40	49	5.11	2.4	.35	.05	2.98	.67	.68	.030	.009	.29
MAY													
01...	21.7	--	--	--	--	.63	<.04	--	--	.89	--	E.006	--
15...	20.3	42	51	5.47	1.9	.31	E.03	--	--	.42	--	E.006	--
28...	20.1	--	--	--	--	.67	.05	--	--	.43	--	E.006	.62
JUN													
18...	24.1	33	40	5.67	1.4	.55	E.04	--	--	.48	--	E.007	--
JUL													
03...	24.0	--	--	--	--	.47	.04	--	--	.47	--	E.007n	.43
24...	23.3	28	34	4.25	1.8	.76	<.04	--	--	.28	--	<.008	--
30...	25.0	--	--	--	--	.55	E.03	--	--	.38	--	E.004	--
AUG													
14...	22.9	36	44	5.74	1.4	.40	E.02n	--	--	.36	--	E.005n	--
29...	25.3	--	--	--	--	.37	<.04	--	--	.33	--	E.005n	--
SEP													
10...	22.6	36	44	5.13	1.3	.30	<.04	--	--	.30	--	<.008	--

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	1,4-Naphthoquinone, water, fltrd, ug/L (61611)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2-(4-t-Butylphenoxy)cyclohexanol wat flt ug/L (61637)	2,5-Dichloroaniline water, fltrd, ug/L (61614)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)
OCT													
10...	<.02	.05	.027	.45	.5	<.1	.5	3.3	<.05	<.09	<.01	<.03	<.006
NOV													
08...	<.02	<.02	.019	.62	.2	<.1	.2	3.8	<.05	<.09	<.01	<.03	<.006
DEC													
04...	<.02	.05	.012	.59	.2	<.1	.2	2.9	<.05	<.09	<.01	<.03	<.006
JAN													
16...	<.02	.05	.022	.85	.2	<.1	.2	2.7	<.05mc	<.09mc	<.01	<.03	<.006
FEB													
12...	<.02	.04	.017	.53	.2	<.1	.2	2.7	<.05	<.09	<.01	<.03	<.006
MAR													
20...	E.01	.32	.137	1.4	3.5	<.1	E3.4	6.0	<.05	<.09	<.01	<.03	<.006
APR													
03...	<.02	--	.027	.89	--	--	--	--	<.05	<.09	<.01	<.03	<.006
17...	<.02	.07	.041	1.0	.7	<.1	.7	4.2	<.05	<.09	<.01	<.03	<.006
MAY													
01...	<.02	--	.071	1.5	--	--	--	--	<.05	<.09	<.01	<.03	<.006
15...	<.02	.06	.032	.73	.5	<.1	.5	3.5	<.05	<.09	<.01	<.03	<.006
28...	<.02	--	.078	1.1	--	--	--	--	<.05mc	<.09mc	<.01	<.03	<.006
JUN													
18...	<.02	.12	.054	1.0	1.0	<.1	1.0	5.4	<.05mc	<.09mc	<.01	<.03	<.006
JUL													
03...	<.02	--	.046	.94	--	--	--	--	--u	--u	<.01	<.03	<.006
24...	<.02	.27	.115	1.0	2.5	<.1	2.5	7.3	<.05mc	<.09mc	<.01	<.03	<.006
30...	<.02	--	.061	.93	--	--	--	--	<.05mc	--u	<.01	<.03	<.006
AUG													
14...	<.18d	.07	.036	.76	.8	<.1c	E.8c	4.8	<.05mc	--u	<.01	<.03	<.006
29...	<.02	--	.034	.70	--	--	--	--	<.05mc	--u	<.01	<.03	<.006
SEP													
10...	<.02	.04	.024	.60	.4	<.1	.4	3.5	<.05mc	<.09mc	<.01	<.03	<.006

02350080 LIME CREEK NEAR COBB, GA—continued.

Date	2-[(2-Amino-Et-6-Me-Ph)-amino]propan-1-ol, ug/L (61615)	2Chloro-N-iso-propyl-benz-amide, wat flt ug/L (61617)	2-Ethyl-2',6'-diethyl acet-anilide wat flt ug/L (61618)	3-(Tri-fluoro-methyl) CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)	3-(Tri-fluoro-methyl) aniline water, fltrd, ug/L (61630)	3,4-Di-chloro-aniline water fltrd, ug/L (61625)	3,5-Di-chloro-aniline water, fltrd, ug/L (61627)	3-Phen-oxy-benzyl alcohol water, fltrd, ug/L (61629)	4-(MeOH)-pendi-meth-alin, wat flt ug/L (61665)	4,4'-Di-4Chloro benzo-phen-one, wat flt ug/L (61631)	4Chloro phenyl-methyl sulfone water, fltrd, ug/L (61634)	Aceto-chlor, water, fltrd, ug/L (49260)
OCT													
10...	--u	<.005	<.005	<.006	<.004	<.01	<.004	<.005	--u	--u	<.003	--m	<.006
NOV													
08...	<.1	<.005	<.005	E.005	<.004	<.01	<.004	<.005	<.05	<.1	<.003	<.03	<.006
DEC													
04...	<.1	<.005	<.005	E.004	<.004	<.01	<.004	<.005	<.05	<.1	<.003	<.03	<.006
JAN													
16...	<.1	<.005	<.005	E.003	<.004mc	<.01mc	<.004	<.005	<.05	<.1	<.003mc	<.03mc	<.006
FEB													
12...	<.1	<.005	<.005	<.006	<.004	<.01	<.004	<.005	<.05	<.1	<.003	<.03	<.006
MAR													
20...	<.1	<.005	<.005	<.006	<.004	<.01	<.004	<.005	<.05	<.1	<.003	<.03	<.006
APR													
03...	<.1	<.005	<.005	E.003	<.004	<.01	<.004	<.005	<.05	--u	<.003	<.03	<.006
17...	--u	<.005	<.005	<.006	<.004	<.01	<.004	<.005	--u	--u	<.003	<.03	<.006
MAY													
01...	<.1	<.005	<.005	E.004	<.004	<.01	<.004	<.005	<.05	<.1	<.003	<.03	<.006
15...	<.1	<.005	<.005	E.007	<.004	<.01	<.004	<.005	<.05	<.1	<.003	<.03	<.006
28...	<.1	<.005	<.005	E.016	<.004mc	<.01mc	<.004	<.005	<.05	<.1	<.003mc	<.03mc	<.006
JUN													
18...	<.1	<.005	<.005	E.009	<.004mc	<.01mc	<.004	<.005	<.05	<.1	<.003mc	<.03mc	<.006
JUL													
03...	<.1	<.005	<.005	E.005	<.004mc	<.01mc	.040	<.005	<.05	<.1	<.003mc	<.03mc	<.006
24...	<.1	<.005	<.005	<.006	<.004mc	<.01mc	.012	<.005	--u	--u	<.003mc	<.03mc	<.006
30...	<.1	<.005	<.005	E.004n	<.004mc	<.01mc	.068	<.005	--u	--u	<.003mc	<.03mc	<.006
AUG													
14...	<.1	<.005	<.005	E.004n	<.004mc	<.01mc	.008	<.005	--u	--u	<.003mc	<.03mc	<.006
29...	<.1	<.005	<.005	<.006	<.004mc	<.01mc	.009	<.005	--u	--u	<.003mc	<.03mc	<.006
SEP													
10...	<.1	<.005	<.005	<.006	<.004mc	<.01mc	<.004	<.005	--u	--u	<.003mc	<.03mc	<.006

Date	Ala-chlor, water, fltrd, ug/L (46342)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	alpha-HCH, water, fltrd, ug/L (34253)	Amino-methyl-phos-phonic acid, wat flt ug/L (62649)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	beta-Endo-sulfan, water, fltrd, ug/L (34357)	Bifen-thrin, water, fltrd, ug/L (61580)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)
OCT													
10...	<.004	<.005	<.005	<.1	<.007	<.02	<.050	<.010	<.01	<.005	<.020	<.06	<.006
NOV													
08...	<.004	<.005	<.005	<.1	.021	<.02	<.050	<.010	<.01	<.005	<.020	<.06	<.006
DEC													
04...	<.004	<.005	<.005	<.1	E.006n	<.02	<.050	<.010	<.01	<.005	<.020	<.06	<.006
JAN													
16...	<.004	<.005	<.005	<.1	.007	<.02mc	<.050	<.010	<.01mc	<.005mc	<.020	<.06mc	<.006
FEB													
12...	<.004	<.005	<.005	<.1	<.010	<.12	<.050	<.010	<.01	<.005	<.020	<.06	<.006
MAR													
20...	<.004	<.005	<.005	<.1	E.004n	<.02	<.050	<.010	<.01	<.005	<.020	<.06	<.006
APR													
03...	<.004	<.005	<.005	<.1	.014	<.02	<.050	<.010	<.01	<.005	<.020	<.06	<.006
17...	<.004	<.005	<.005	<.1	.011	<.02	<.050	<.010	<.01	<.005	<.020	<.06	<.006
MAY													
01...	<.004	<.005	<.005	<.1	.082	<.02	<.050	<.010	<.01	<.005	<.020	<.06	<.006
15...	<.004	<.005	<.005	<.1	.090	<.02	<.050	<.010	<.01	<.005	<.020	<.06	<.006
28...	.006	<.005	<.005	<.1	.169	<.03mc	<.050	<.010	<.01mc	<.005mc	<.020	<.06mc	<.006
JUN													
18...	<.004	<.005	<.005	<.1	.082	<.02mc	<.050	<.010	<.01mc	<.005mc	<.020	<.06mc	<.006
JUL													
03...	<.004	<.005	<.005	<.1	.046	<.02mc	<.050	<.010	<.01mc	<.005mc	<.020	<.06mc	<.006
24...	<.004	<.005	<.005	.4	.024	<.02mc	<.050	<.010	<.01mc	<.005mc	<.020	<.06mc	<.006
30...	<.004	<.005	<.005	.1	.030	<.02mc	<.050	<.010	<.01mc	<.005mc	<.020	<.06mc	<.006
AUG													
14...	<.004	<.005	<.005	<.1	.012	<.02mc	<.050	<.010	<.01mc	<.005mc	<.020	<.06mc	<.006
29...	<.004	<.005	<.005	<.1	.012	<.02mc	<.050	<.010	<.01mc	<.005mc	<.020	<.06mc	<.006
SEP													
10...	<.004	<.005	<.005	<.1	.012	<.02mc	<.050	<.010	<.01mc	<.005mc	<.020	<.06mc	<.006

02350080 LIME CREEK NEAR COBB, GA—continued.

Date	cis-Propiconazole, water, fltrd, ug/L (79846)	Cycloate, water, fltrd, ug/L (04031)	Cyfluthrin, water, fltrd, ug/L (61585)	Cyhalothrin, water, fltrd, ug/L (61595)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Disulfoton sulfone water, fltrd, ug/L (61640)	Disulfoton sulfoxide, water, fltrd, ug/L (61641)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	e-Dimethomorph, water, fltrd, ug/L (79844)
OCT													
10...	<.008	<.005	<.008	<.009	<.009	<.003	<.005	<.005	<.006	<.02	<.002	<.02	<.02
NOV													
08...	<.008	<.005	<.008	<.009	<.009	<.003	.005	<.005	<.006	<.02	<.002	<.02	<.02
DEC													
04...	<.008	<.005	<.008	<.009	<.009	<.003	<.005	<.005	<.006	<.02	<.002	<.02	<.02
JAN													
16...	<.008	<.005	<.008mc	<.009	<.009mc	<.003	<.005	<.005	<.006mc	<.02	<.002mc	<.02	<.02
FEB													
12...	<.008	<.005	<.008	<.009	<.009	<.003	<.005	<.005	<.006	<.02	<.002	<.02	<.02
MAR													
20...	<.008	<.005	<.008	<.009	<.009	<.003	<.005	<.005	<.006	<.02	<.002	<.02	<.02
APR													
03...	<.008	<.005	<.008	<.009	<.009	<.003	<.005	<.005	<.006	<.02	<.002	<.02	<.02
17...	<.008	<.005	<.008	<.009	<.009	<.003	<.005	<.005	<.006	<.02	<.002	<.02	<.02
MAY													
01...	<.008	<.005	<.008	<.009	<.009	<.003	<.005	<.005	<.006	<.02	<.002	<.02	<.02
15...	<.008	<.005	<.008	<.009	<.009	<.003	<.005	<.005	<.006	<.02	<.002	<.02	<.02
28...	<.008	<.005	<.008mc	<.009	<.009mc	<.003	<.005	<.005	<.006mc	<.02	<.002mc	<.02	<.02
JUN													
18...	<.008	<.005	<.008mc	<.009	<.009mc	<.003	<.005	<.005	<.006mc	<.02	<.002mc	<.02	<.02
JUL													
03...	<.008	<.005	<.008mc	<.009	<.009mc	<.003	<.005	<.005	<.006mc	<.02	<.002mc	<.02	<.02
24...	<.008	<.005	<.008mc	<.009	<.009mc	<.003	<.005	<.005	<.006mc	<.02	<.002mc	<.02	<.02
30...	<.008	<.005	<.008mc	<.009	<.009mc	<.003	<.005	<.005	<.006mc	<.02	<.002mc	<.02	<.02
AUG													
14...	<.008	<.005	<.008mc	<.009	<.009mc	<.003	<.005	<.005	<.006mc	<.02	<.002mc	<.02	<.02
29...	<.008	<.005	<.008mc	<.009	<.009mc	<.003	<.005	<.005	<.006mc	<.02	<.002mc	<.02	<.02
SEP													
10...	<.008	<.005	<.008mc	<.009	<.009mc	<.003	<.005	<.005	<.006mc	<.02	<.002mc	<.02	<.02

Date	Endosulfan ether, water, fltrd, ug/L (61642)	Endosulfan sulfate water, fltrd, ug/L (61590)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Fenthion sulfoxide, water, fltrd, ug/L (61647)	Fenthion, water, fltrd, ug/L (38801)	Desulfinylfipronil amide, wat flt ug/L (62169)
OCT													
10...	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02	<.009
NOV													
08...	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02	<.009
DEC													
04...	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02	<.009
JAN													
16...	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02	<.009
FEB													
12...	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	--u	<.03	<.008	<.02	<.009
MAR													
20...	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02	<.009
APR													
03...	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02	<.009
17...	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02	<.009
MAY													
01...	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02	<.009
15...	<.004	<.006	<.002	<.009	<.03	<.004	<.005	<.008	<.03	<.03	<.008	<.02	<.009
28...	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.031	<.03mc	<.03	<.008mc	<.02	<.009
JUN													
18...	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02	<.009
JUL													
03...	<.004	.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02	<.009
24...	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02	<.009
30...	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02	<.009
AUG													
14...	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02	<.009
29...	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02	<.009
SEP													
10...	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02	<.009

02350080 LIME CREEK NEAR COBB, GA—continued.

Date	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Flumetralin, water, fltrd, ug/L (61592)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Glufosinate, water, fltrd 0.7u GF ug/L (62721)	Glyphosate, water, fltrd 0.7u GF ug/L (62722)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)
OCT													
10...	<.005	<.005	<.007	<.004	<.002	<.003	<.1	<.1	<.013	<1	<.003	<.004	<.035
NOV													
08...	<.005	<.005	<.007	<.004	<.002	<.003	<.1	<.1	<.013	<1	<.003	<.004	<.035
DEC													
04...	<.005	<.005	<.007	<.004	<.002	<.003	<.1	<.1	E.006	<1	<.003	<.004	<.035
JAN													
16...	<.005	<.005	<.007	<.004	<.002mc	<.003	<.1	<.1	<.013	<1mc	<.003	<.004	<.035
FEB													
12...	<.005	<.005	<.007	<.004	<.002	<.003	<.1	<.1	<.013	<1	<.003	<.004	<.035
MAR													
20...	<.005	<.005	<.007	<.004	<.002	<.003	<.1	<.1	<.013	<1	<.003	<.004	<.035
APR													
03...	<.005	<.005	<.007	<.004	<.002	<.003	<.1	<.1	<.013	<1	<.003	<.004	<.035
17...	<.005	<.005	<.007	<.004	<.002	<.003	<.1	<.1	<.013	<1	<.003	<.004	<.035
MAY													
01...	<.005	<.005	<.007	<.004	<.002	<.003	<.1	<.1	<.013	<1	<.003	<.004	<.035
15...	<.005	<.005	<.007	<.004	<.002	<.003	<.1	<.1	<.013	<1	<.003	<.004	<.035
28...	<.005	<.005	<.007	<.004	<.002mc	<.003	<.1	<.1	<.013	<1mc	<.003	<.004	<.035
JUN													
18...	<.005	<.005	<.007	<.004	<.002mc	<.003	<.1	<.1	<.013	<1mc	<.003	<.004	<.035
JUL													
03...	<.005	<.005	<.007	<.004	<.002mc	<.003	<.1	<.1	<.013	<1mc	<.003	<.004	<.035
24...	<.005	<.005	<.007	<.004	<.002mc	<.003	<.1	<.1	<.013	<1mc	<.003	<.004	<.035
30...	<.005	<.005	<.007	<.004	<.002mc	<.003	<.1	<.1	<.013	<1mc	<.003	<.004	<.035
AUG													
14...	<.005	<.005	<.007	<.004	<.002mc	<.003	<.1	<.1	<.013	<1mc	<.003	<.004	<.035
29...	<.005	<.005	<.007	<.004	<.002mc	<.003	<.1	<.1	<.013	<1mc	<.003	<.004	<.035
SEP													
10...	<.005	<.005	<.007	<.004	<.002mc	<.003	<.1	<.1	<.013	<1mc	<.003	<.004	<.035

Date	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	c-Permethric acid methyl ester, wat flt ug/L (79842)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	t-Permethric acid methyl ester, wat flt ug/L (79843)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Myclobutanil water, fltrd, ug/L (61599)	Napropamide, water, fltrd 0.7u GF ug/L (82684)
OCT													
10...	<.008	<.027	<.005	<.006	<.04	<.03	<.006	<.03	<.013	<.006	<.002	<.008	<.007
NOV													
08...	<.008	<.027	<.005	<.006	<.04	<.03	<.006	<.03	E.004n	<.006	<.002	<.008	.016
DEC													
04...	<.008	<.027	<.005	<.006	<.04	<.03	<.006	<.03	E.002n	<.006	<.002	<.008	<.007
JAN													
16...	<.008	<.027	<.005	<.006	<.04	<.03mc	<.006	<.03	E.006t	<.006	<.002	<.008	<.007
FEB													
12...	<.008	<.027	<.005	<.006	<.04	<.03	<.006	<.03	<.013	<.006	<.002	<.008	<.007
MAR													
20...	<.008	<.027	<.005	<.006	<.04	<.03	<.006	<.03	E.009n	.015	<.002	<.008	<.007
APR													
03...	<.008	<.027	<.005	<.006	<.04	<.03	<.006	<.03	E.011n	.008	<.002	<.008	<.007
17...	<.008	<.027	<.005	<.006	<.04	<.03	<.006	<.03	E.007n	<.006	<.002	<.008	<.007
MAY													
01...	<.008	<.027	<.005	<.006	<.04	<.03	<.006	<.03	E.006n	<.006	<.002	<.008	<.007
15...	<.008	<.027	<.005	<.006	<.04	<.03	<.006	<.03	E.007n	<.010	<.002	<.008	<.007
28...	<.008	<.027	<.005	<.006	<.04	<.03mc	<.006	<.03	.014	.007	<.002	<.008	<.007
JUN													
18...	<.008	<.027	<.005	<.006	<.04	<.03mc	<.006	<.03	E.010n	E.005n	<.002	<.008	<.007
JUL													
03...	<.008	<.027	<.005	<.006	<.04	<.03mc	<.006	<.03	.060	<.006	<.002	<.008	<.007
24...	<.008	<.027	<.005	<.006	<.04	<.03mc	<.006	<.03	.038	<.006	<.002	<.008	<.007
30...	<.008	<.027	<.005	<.006	<.04	<.03mc	<.006	<.03	.044	.010	<.002	<.008	<.007
AUG													
14...	<.008	<.027	<.005	<.006	<.04	<.03mc	<.006	<.03	E.011n	<.006	<.002	<.008	<.007
29...	<.008	<.027	<.005	<.006	<.04	<.03mc	<.006	<.03	.019	.009	<.002	<.008	<.007
SEP													
10...	<.008	<.027	<.005	<.006	<.04	<.03mc	<.006	<.03	E.010n	<.006	<.002	<.008	<.007

02350080 LIME CREEK NEAR COBB, GA—continued.

Date	O-Et-O-Me-S-Pr-phos-phoro-thioate wat flt ug/L (61660)	Oxy-fluor-fen, water, fltrd, ug/L (61600)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-oxon, water, fltrd, ug/L (61663)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Phoste-bupirim water, fltrd, ug/L (61602)	Pro-fenofos water, fltrd, ug/L (61603)
OCT													
10...	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005	<.006
NOV													
08...	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005	<.006
DEC													
04...	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005	<.006
JAN													
16...	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005	<.006
FEB													
12...	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005	<.006
MAR													
20...	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005	<.006
APR													
03...	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005	<.006
17...	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005	<.006
MAY													
01...	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005	<.006
15...	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10	<.011	<.06	<.008	<.005	<.006
28...	<.008	<.007	<.003	<.008	<.010	<.004	E.015n	<.10mc	<.011	<.06mc	<.008mc	<.005	<.006
JUN													
18...	<.008	<.007	<.003	<.008	<.010	<.004	E.008n	<.10mc	<.011	<.06mc	<.008mc	<.005	<.006
JUL													
03...	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005	<.006
24...	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005	<.006
30...	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005	<.006
AUG													
14...	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005	<.006
29...	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005	<.006
SEP													
10...	<.008	<.007	<.003	<.008	<.010	<.004	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005	<.006

Date	Prome-ton, water, fltrd, ug/L (04037)	Prome-tryn, water, fltrd, ug/L (04036)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Propet-amphos, water, fltrd, ug/L (61604)	Sima-zine, water, fltrd, ug/L (04035)	Sulfo-tepp, water, fltrd, ug/L (61605)	Sulpro-fos, water, fltrd, ug/L (38716)	Tebu-pirim-phos oxon, water, fltrd, ug/L (61669)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Teflu-thrin metab-olite R119365 wat flt ug/L (61671)
OCT													
10...	<.01	E.003	<.004	<.010	<.011	<.02	<.004	<.005	<.003	<.02	<.006	<.02	<.02
NOV													
08...	<.01	E.003	<.004	<.010	<.011	<.02	<.004	.008	<.003	<.02	<.006	<.02	<.02
DEC													
04...	<.01	.008	<.004	<.010	<.011	<.02	<.004	<.005	<.003	<.02	<.006	<.02	<.02
JAN													
16...	<.01	E.005	.029	<.010	<.011	<.02	<.004	.218	<.003mc	<.02mc	<.006	<.02	<.02mc
FEB													
12...	<.01	E.004	.019	<.010	<.011	<.02	<.004	.101	<.003	<.02	<.006	<.02	<.02
MAR													
20...	<.01	.006	.009	<.010	<.011	<.02	<.004	.030	<.003	<.02	<.006	<.02	<.02
APR													
03...	<.01	E.005	.007	<.010	<.011	<.02	<.004	.021	<.003	<.02	<.006	<.02	--
17...	<.01	.006	.004	<.010	<.011	<.02	<.004	.014	<.003	<.02	<.006	<.02	--
MAY													
01...	<.01	E.004	.006	<.010	<.011	<.02	<.004	.007	<.003	<.02	<.006	<.02	--
15...	<.01	<.005	.005	<.010	<.011	<.02	<.004	.007	<.003	<.02	<.006	E.01n	--
28...	Mn	E.002	.004	<.010	<.011	<.02	<.004	.006	<.003mc	<.02mc	<.006	E.01n	--
JUN													
18...	<.01	<.005	<.004	<.010	<.011	<.02	<.004	<.005	<.003mc	<.02mc	<.006	E.01n	--
JUL													
03...	<.01	.007	<.004	<.010	<.011	<.02	<.004	<.005	<.003mc	<.02mc	<.006	<.02	--
24...	<.01	E.005	<.004	<.010	<.011	<.02	<.004	<.005	<.003mc	<.02mc	<.006	<.02	--
30...	<.01	E.005	<.004	<.010	<.011	<.02	<.004	<.005	<.003mc	<.02mc	<.006	<.02	--
AUG													
14...	<.01	<.005	<.004	<.010	<.011	<.02	<.004	<.005	<.003mc	<.02mc	<.006	E.01t	--
29...	<.01	E.005	<.004	<.010	<.011	<.02	<.004	<.005	<.003mc	<.02mc	<.006	<.02	--
SEP													
10...	<.01	<.005	<.004	<.010	<.011	<.07	<.004	<.005	<.003mc	<.02mc	<.006	E.01n	--

02350080 LIME CREEK NEAR COBB, GA—continued.

Date	Teflu-thrin metab-olite R152913 wat flt ug/L (61672)	Teflu-thrin, water, fltrd, ug/L (61606)	Teme-phos, water, fltrd, ug/L (61607)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Ter-bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Ter-buthyl-azine, water, fltrd, ug/L (04022)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	trans-Propi-cona-zole, water, fltrd, ug/L (79847)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tribu-phos, water, fltrd, ug/L (61610)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	z-Di-metho-morph, water, fltrd, ug/L (79845)
OCT													
10...	<.01	<.008	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009	<.05
NOV													
08...	<.01	<.008	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009	<.05
DEC													
04...	<.01	<.008	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009	<.05
JAN													
16...	<.01	<.008mc	<.3mc	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004mc	<.009	<.05
FEB													
12...	<.01	<.008	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009	<.05
MAR													
20...	<.01	<.008	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009	<.05
APR													
03...	--	<.008	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009	<.05
17...	--	<.008	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009	<.05
MAY													
01...	--	<.008	<.4	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009	<.05
15...	--	<.008	<.3	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004	<.009	<.05
28...	--	<.008mc	<.3mc	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004mc	E.005n	<.05
JUN													
18...	--	<.008mc	<.3mc	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004mc	<.009	<.05
JUL													
03...	--	<.008mc	<.3mc	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004mc	<.009	<.05
24...	--	<.008mc	<.3mc	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004mc	<.009	<.05
30...	--	<.008mc	<.3mc	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004mc	E.001t	<.05
AUG													
14...	--	<.008mc	<.3mc	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004mc	<.009	<.05
29...	--	<.008mc	<.3mc	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004mc	<.009	<.05
SEP													
10...	--	<.008mc	<.3mc	<.034	<.07	<.02	<.01	<.005	<.01	<.002	<.004mc	<.009	<.05

Date	Di-chlor-vos, water fltrd, ug/L (38775)	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment load, tons/d (80155)	Sample purpose code (71999)	Sampler type, code (84164)
OCT						
10...	<.01	98	10	.32	15.00	3070
NOV						
08...	<.01	98	8	.45	15.00	3045
DEC						
04...	<.01	95	8	.52	15.00	3045
JAN						
16...	<.01mc	88	6	.60	15.00	3045
FEB						
12...	<.01	89	8	.69	15.00	3045
MAR						
20...	<.01	82	81	69	15.00	3070
APR						
03...	<.01	95	13	1.9	15.00	3045
17...	<.01	81	17	3.0	15.00	3070
MAY						
01...	<.01	92	42	10	15.00	3070
15...	<.01	90	14	1.2	15.00	3045
28...	<.01mc	83	30	17	15.00	3060
JUN						
18...	<.01mc	75	26	7.8	15.00	3060
JUL						
03...	<.01mc	88	23	3.9	15.00	3060
24...	<.01mc	66	64	68	15.00	3060
30...	<.01mc	98	21	5.6	15.00	3060
AUG						
14...	<.01mc	94	11	2.0	15.00	3060
29...	<.01mc	91	15	2.2	15.00	3045
SEP						
10...	<.01mc	82	8	.67	15.00	3045

Date	Time	Medium code	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Biomass periphyton, ashfree drymass g/m2 (49954)	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)
MAY									
16...	1200	D	1028	80020	20.0	310	334.6	5.3	11.6

Remark codes used in this report:
   < -- Less than
   E -- Estimated value
   M -- Presence verified, not quantified

Value qualifier codes used in this report:
   c -- See laboratory comment
   d -- Diluted sample: method hi range exceeded
   m -- Highly var comp using method, ? prec
   n -- Below the NDV
   t -- Below the long-term MDL

Null value qualifier codes used in this report:
   m -- Results sent by separate memo
   u -- Unable to determine-matrix interference

APALACHICOLA RIVER BASIN
2003 Water Year

02350080 LIME CREEK NEAR COBB, GA
(National Water-Quality Assessment station)

LOCATION.--Lat 32°02'02", long 83°59'47" referenced to North American Datum (NAD) of 1927, Sumter County, Hydrologic Unit 03130006, on right side of stream, 0.4 miles upstream of bridge crossing for Spring Creek Church Road, 1.85 miles north of intersection of Spring Creek Church Road and Lower River Road, 6.85 miles north of Cobb.

DRAINAGE AREA.—61.8 square miles, approximately.

COOPERATION.—USGS National Water-Quality Assessment (NAWQA) Program; Atlanta Regional Commission.

PERIODIC ECOLOGICAL RECORDS

PERIOD OF RECORD.—May 16, 2003 (invertebrates) and September 18, 2003 (fishes).

REMARKS.— Data collection protocols used are from the Revised Protocols for Sampling Algal, Invertebrate, and Fish Communities as Part of the National Water-Quality Assessment Program (USGS, Open File Report 02-150, 2002). The Biological Group of the USGS National Water Quality Laboratory identified invertebrates and Mary Freeman and Paula Marcinek of USGS, Biological Resources Division, identified fishes. Total reach length assessed was 150 meters. Fish abbreviations: TL-total length in millimeters, SL-standard length in millimeters. Weight is measured in grams.

Fishes

Scientific Name	Common Name	Method	ShockSec	Count	SL	TL	Weight
Ameiurus natalis	yellow bullhead	11A	1426	1	118	140	32
Aphredoderus sayanus	pirate perch	11A	1426	1	68	88	9.2
Aphredoderus sayanus	pirate perch	11A	1426	1	62	80	8
Aphredoderus sayanus	pirate perch	11A	1426	1	40	50	2.1
Aphredoderus sayanus	pirate perch	11A	1426	1	43	53	2
Aphredoderus sayanus	pirate perch	11A	1426	1	36	46	1.4
Aphredoderus sayanus	pirate perch	11A	1426	1	35	45	1.3
Aphredoderus sayanus	pirate perch	11A	1426	1	43	55	2.5
Aphredoderus sayanus	pirate perch	11A	1426	1	35	45	1.4
Aphredoderus sayanus	pirate perch	11A	1426	1	42	53	2.5
Aphredoderus sayanus	pirate perch	11A	1426	1	39	49	1.7
Aphredoderus sayanus	pirate perch	11A	1426	1	44	55	2.5
Aphredoderus sayanus	pirate perch	11A	1426	1	35	45	1.4
Aphredoderus sayanus	pirate perch	11A	1426	1	34	44	1.4
Aphredoderus sayanus	pirate perch	11A	1426	1	40	50	1.9
Aphredoderus sayanus	pirate perch	11A	1426	1	37	48	1.6
Aphredoderus sayanus	pirate perch	11A	1426	1	30	38	0.8
Aphredoderus sayanus	pirate perch	11A	1426	1	40	53	2.2
Aphredoderus sayanus	pirate perch	11A	1426	1	37	48	1.4
Aphredoderus sayanus	pirate perch	11A	1426	8	NA	NA	18.1
Cyprinella venusta	blacktail shiner	11A	1426	1	88	108	13
Cyprinella venusta	blacktail shiner	11A	1426	1	84	104	10.7
Cyprinella venusta	blacktail shiner	11A	1426	1	66	81	5.2
Cyprinella venusta	blacktail shiner	11A	1426	1	85	105	9.5
Cyprinella venusta	blacktail shiner	11A	1426	1	68	86	5.5
Cyprinella venusta	blacktail shiner	11A	1426	1	55	70	3.3
Cyprinella venusta	blacktail shiner	11A	1426	1	63	78	4.3
Cyprinella venusta	blacktail shiner	11A	1426	1	61	75	4.1
Cyprinella venusta	blacktail shiner	11A	1426	1	50	64	2.1
Cyprinella venusta	blacktail shiner	11A	1426	1	55	68	2.8
Cyprinella venusta	blacktail shiner	11A	1426	1	55	70	3.1
Cyprinella venusta	blacktail shiner	11A	1426	1	54	65	2.2

02350080 LIME CREEK NEAR COBB, GA —continued.

Scientific Name	Common Name	Method	ShockSec	Count	SL	TL	Weight
Cyprinella venusta	blacktail shiner	11A	1426	1	45	55	1.2
Cyprinella venusta	blacktail shiner	11A	1426	1	46	57	1.6
Cyprinella venusta	blacktail shiner	11A	1426	1	34	46	0.7
Cyprinella venusta	blacktail shiner	11A	1426	1	37	47	0.9
Cyprinella venusta	blacktail shiner	11A	1426	1	30	38	1.4
Etheostoma edwini	brown darter	11A	1426	1	34	43	0.6
Etheostoma edwini	brown darter	11A	1426	1	29	35	0.4
Etheostoma swaini	gulf darter	11A	1426	1	27	32	0.3
Hybopsis sp. cf. winchelli		11A	1426	1	42	53	1.3
Hybopsis sp. cf. winchelli		11A	1426	1	53	67	2.3
Hybopsis sp. cf. winchelli		11A	1426	1	42	53	1.2
Hybopsis sp. cf. winchelli		11A	1426	1	49	62	1.8
Hybopsis sp. cf. winchelli		11A	1426	1	42	52	1
Hybopsis sp. cf. winchelli		11A	1426	1	38	48	0.9
Ichthyomyzon gagei	southern brook lamprey	11A	1426	1	NA	132	5.2
Ichthyomyzon gagei	southern brook lamprey	11A	1426	1	NA	140	6.7
Ictalurus punctatus	channel catfish	11A	1426	1	44	54	1.2
Labidesthes sicculus	brook silverside	11A	1426	1	22	27	0.1
Labidesthes sicculus	brook silverside	11A	1426	1	49	59	1.1
Labidesthes sicculus	brook silverside	11A	1426	1	42	50	0.7
Labidesthes sicculus	brook silverside	11A	1426	1	39	47	0.5
Labidesthes sicculus	brook silverside	11A	1426	1	49	55	1
Labidesthes sicculus	brook silverside	11A	1426	1	42	50	0.7
Labidesthes sicculus	brook silverside	11A	1426	1	50	60	1.1
Labidesthes sicculus	brook silverside	11A	1426	1	34	42	0.5
Labidesthes sicculus	brook silverside	11A	1426	1	48	58	0.9
Labidesthes sicculus	brook silverside	11A	1426	1	34	42	0.4
Labidesthes sicculus	brook silverside	11A	1426	1	46	55	0.9
Labidesthes sicculus	brook silverside	11A	1426	1	43	56	0.8
Labidesthes sicculus	brook silverside	11A	1426	1	46	55	0.9
Labidesthes sicculus	brook silverside	11A	1426	1	45	54	0.8
Labidesthes sicculus	brook silverside	11A	1426	1	43	51	0.8
Labidesthes sicculus	brook silverside	11A	1426	1	49	50	1.1
Labidesthes sicculus	brook silverside	11A	1426	1	44	53	0.8
Labidesthes sicculus	brook silverside	11A	1426	1	42	50	0.7
Labidesthes sicculus	brook silverside	11A	1426	1	45	53	0.9
Labidesthes sicculus	brook silverside	11A	1426	1	41	50	0.7
Labidesthes sicculus	brook silverside	11A	1426	1	37	45	0.6
Labidesthes sicculus	brook silverside	11A	1426	1	42	50	0.8
Labidesthes sicculus	brook silverside	11A	1426	1	41	50	0.7
Labidesthes sicculus	brook silverside	11A	1426	1	46	55	0.9
Lepomis auritus	redbreast sunfish	11A	1426	1	115	142	44
Lepomis auritus	redbreast sunfish	11A	1426	1	83	105	18
Lepomis auritus	redbreast sunfish	11A	1426	1	83	105	18
Lepomis auritus	redbreast sunfish	11A	1426	1	84	108	24
Lepomis auritus	redbreast sunfish	11A	1426	1	60	76	7.1
Lepomis auritus	redbreast sunfish	11A	1426	1	65	84	90
Lepomis auritus	redbreast sunfish	11A	1426	1	55	73	6.3
Lepomis auritus	redbreast sunfish	11A	1426	1	65	85	10.1
Lepomis auritus	redbreast sunfish	11A	1426	1	56	73	5.9
Lepomis auritus	redbreast sunfish	11A	1426	1	53	67	4.4
Lepomis auritus	redbreast sunfish	11A	1426	1	30	36	0.4
Lepomis gulosus	warmouth	11A	1426	1	110	140	58
Lepomis gulosus	warmouth	11A	1426	1	123	155	84
Lepomis gulosus	warmouth	11A	1426	1	38	48	1.7
Lepomis macrochirus	bluegill sunfish	11A	1426	1	95	123	30
Lepomis macrochirus	bluegill sunfish	11A	1426	1	94	113	22
Lepomis macrochirus	bluegill sunfish	11A	1426	1	101	135	40
Lepomis macrochirus	bluegill sunfish	11A	1426	1	140	182	104
Lepomis macrochirus	bluegill sunfish	11A	1426	1	80	103	20
Lepomis macrochirus	bluegill sunfish	11A	1426	1	35	45	1.2
Lepomis macrochirus	bluegill sunfish	11A	1426	1	22	29	0.3
Lepomis macrochirus	bluegill sunfish	11A	1426	1	21	27	0.3
Lepomis macrochirus	bluegill sunfish	11A	1426	1	35	45	1.3
Lepomis punctatus	spotted sunfish	11A	1426	1	112	142	64

02350080 LIME CREEK NEAR COBB, GA —continued.

Scientific Name	Common Name	Method	ShockSec	Count	SL	TL	Weight
Lepomis punctatus	spotted sunfish	11A	1426	1	114	142	60
Lepomis punctatus	spotted sunfish	11A	1426	1	83	105	24
Lepomis punctatus	spotted sunfish	11A	1426	1	58	74	8.3
Lepomis punctatus	spotted sunfish	11A	1426	1	90	114	32
Lepomis punctatus	spotted sunfish	11A	1426	1	70	88	12
Lepomis punctatus	spotted sunfish	11A	1426	1	55	68	6
Lepomis punctatus	spotted sunfish	11A	1426	1	59	75	8.6
Lepomis punctatus	spotted sunfish	11A	1426	1	30	37	1
Micropterus salmoides	largemouth bass	11A	1426	1	62	77	5.2
Minytrema melanops	spotted sucker	11A	1426	1	219	270	228
Notropis harperi	redeye chub	11A	1426	1	32	39	0.4
Notropis harperi	redeye chub	11A	1426	1	31	38	0.5
Notropis harperi	redeye chub	11A	1426	1	28	34	0.3
Notropis petersoni	coastal shiner	11A	1426	1	44	50	1.4
Notropis petersoni	coastal shiner	11A	1426	1	45	55	1.5
Notropis petersoni	coastal shiner	11A	1426	1	38	46	0.8
Notropis petersoni	coastal shiner	11A	1426	1	30	36	0.5
Notropis texanus	weed shiner	11A	1426	1	46	57	1.7
Notropis texanus	weed shiner	11A	1426	1	45	57	1.6
Notropis texanus	weed shiner	11A	1426	1	37	47	0.9
Notropis texanus	weed shiner	11A	1426	1	41	51	1.1
Notropis texanus	weed shiner	11A	1426	1	45	56	1.6
Notropis texanus	weed shiner	11A	1426	1	29	35	0.4
Notropis texanus	weed shiner	11A	1426	1	31	40	0.5
Notropis texanus	weed shiner	11A	1426	1	31	38	0.5
Notropis texanus	weed shiner	11A	1426	1	36	44	0.7
Notropis texanus	weed shiner	11A	1426	1	39	49	1.1
Notropis texanus	weed shiner	11A	1426	1	39	48	0.9
Notropis texanus	weed shiner	11A	1426	1	31	39	0.5
Notropis texanus	weed shiner	11A	1426	1	40	49	1
Notropis texanus	weed shiner	11A	1426	1	29	35	1.4
Notropis texanus	weed shiner	11A	1426	1	32	39	0.5
Notropis texanus	weed shiner	11A	1426	1	27	34	0.3
Notropis texanus	weed shiner	11A	1426	1	30	37	0.4
Notropis texanus	weed shiner	11A	1426	1	44	55	1.5
Notropis texanus	weed shiner	11A	1426	1	29	36	0.4
Notropis texanus	weed shiner	11A	1426	1	27	34	0.7
Notropis texanus	weed shiner	11A	1426	1	33	42	0.6
Notropis texanus	weed shiner	11A	1426	1	50	63	2.1
Notropis texanus	weed shiner	11A	1426	1	32	39	0.5
Notropis texanus	weed shiner	11A	1426	1	35	43	1.2
Notropis texanus	weed shiner	11A	1426	1	47	57	1.6
Notropis texanus	weed shiner	11A	1426	1	43	53	1.3
Notropis texanus	weed shiner	11A	1426	1	30	37	0.4
Notropis texanus	weed shiner	11A	1426	1	27	33	0.3
Notropis texanus	weed shiner	11A	1426	1	32	40	0.5
Notropis texanus	weed shiner	11A	1426	1	30	37	0.5
Notropis texanus	weed shiner	11A	1426	32	NA	NA	21.6
Noturus leptacanthus	speckled madtom	11A	1426	1	28	36	0.4
Noturus leptacanthus	speckled madtom	11A	1426	1	40	46	0.9
Noturus leptacanthus	speckled madtom	11A	1426	1	51	60	2.3
Noturus leptacanthus	speckled madtom	11A	1426	1	33	40	0.6
Opsopoeodus emiliae	pugnose minnow	11A	1426	1	37	47	0.9
Percina nigrofasciata	blackbanded darter	11A	1426	1	45	53	1.2
Percina nigrofasciata	blackbanded darter	11A	1426	1	65	75	3.7
Percina nigrofasciata	blackbanded darter	11A	1426	1	62	73	3.4
Percina nigrofasciata	blackbanded darter	11A	1426	1	60	68	3
Percina nigrofasciata	blackbanded darter	11A	1426	1	40	46	0.8
Percina nigrofasciata	blackbanded darter	11A	1426	1	40	48	1
Percina nigrofasciata	blackbanded darter	11A	1426	1	42	50	1
Percina nigrofasciata	blackbanded darter	11A	1426	1	38	45	0.7
Percina nigrofasciata	blackbanded darter	11A	1426	1	41	48	1
Percina nigrofasciata	blackbanded darter	11A	1426	1	35	42	0.5
Percina nigrofasciata	blackbanded darter	11A	1426	1	25	29	0.2
Percina nigrofasciata	blackbanded darter	11A	1426	1	39	45	0.7

02350080 LIME CREEK NEAR COBB, GA —continued.

Scientific Name	Common Name	Method	ShockSec	Count	SL	TL	Weight
Percina nigrofasciata	blackbanded darter	11A	1426	1	35	42	0.6
Percina nigrofasciata	blackbanded darter	11A	1426	1	29	35	0.3
Aphredoderus sayanus	pirate perch	11B	1570	1	73	94	11.4
Aphredoderus sayanus	pirate perch	11B	1570	1	45	62	3.7
Aphredoderus sayanus	pirate perch	11B	1570	1	28	35	0.7
Aphredoderus sayanus	pirate perch	11B	1570	1	48	60	3.2
Aphredoderus sayanus	pirate perch	11B	1570	1	26	30	0.6
Aphredoderus sayanus	pirate perch	11B	1570	1	42	54	2.2
Aphredoderus sayanus	pirate perch	11B	1570	1	44	56	2.3
Aphredoderus sayanus	pirate perch	11B	1570	1	50	63	3.9
Aphredoderus sayanus	pirate perch	11B	1570	1	38	50	1.6
Aphredoderus sayanus	pirate perch	11B	1570	1	40	54	2.6
Aphredoderus sayanus	pirate perch	11B	1570	1	60	76	6.1
Aphredoderus sayanus	pirate perch	11B	1570	1	32	41	1.1
Aphredoderus sayanus	pirate perch	11B	1570	1	35	45	1.3
Aphredoderus sayanus	pirate perch	11B	1570	1	35	46	1.5
Aphredoderus sayanus	pirate perch	11B	1570	1	38	48	1.7
Aphredoderus sayanus	pirate perch	11B	1570	1	24	32	0.4
Aphredoderus sayanus	pirate perch	11B	1570	1	42	64	2
Aphredoderus sayanus	pirate perch	11B	1570	1	28	35	0.5
Aphredoderus sayanus	pirate perch	11B	1570	1	30	40	0.7
Aphredoderus sayanus	pirate perch	11B	1570	1	40	52	1.9
Aphredoderus sayanus	pirate perch	11B	1570	1	40	48	1.7
Aphredoderus sayanus	pirate perch	11B	1570	1	35	44	1.2
Aphredoderus sayanus	pirate perch	11B	1570	1	40	50	1.8
Aphredoderus sayanus	pirate perch	11B	1570	1	38	50	1.5
Aphredoderus sayanus	pirate perch	11B	1570	1	30	40	0.8
Aphredoderus sayanus	pirate perch	11B	1570	1	25	34	0.3
Aphredoderus sayanus	pirate perch	11B	1570	1	33	41	1
Aphredoderus sayanus	pirate perch	11B	1570	1	38	48	1.2
Aphredoderus sayanus	pirate perch	11B	1570	1	28	35	0.5
Aphredoderus sayanus	pirate perch	11B	1570	5	NA	NA	12.4
Cyprinella venusta	blacktail shiner	11B	1570	1	50	62	1.9
Cyprinella venusta	blacktail shiner	11B	1570	1	60	75	3.5
Cyprinella venusta	blacktail shiner	11B	1570	1	80	100	8.5
Cyprinella venusta	blacktail shiner	11B	1570	1	40	60	1.9
Cyprinella venusta	blacktail shiner	11B	1570	1	69	83	4.6
Cyprinella venusta	blacktail shiner	11B	1570	1	47	59	1.7
Etheostoma edwini	brown darter	11B	1570	1	27	34	0.3
Etheostoma swaini	gulf darter	11B	1570	1	28	33	0.3
Etheostoma swaini	gulf darter	11B	1570	1	25	30	0.3
Etheostoma swaini	gulf darter	11B	1570	1	24	28	0.2
Etheostoma swaini	gulf darter	11B	1570	1	29	34	0.8
Etheostoma swaini	gulf darter	11B	1570	1	25	30	0.2
Hybopsis sp. cf. winchelli		11B	1570	1	52	61	2.1
Hybopsis sp. cf. winchelli		11B	1570	1	40	51	0.9
Hybopsis sp. cf. winchelli		11B	1570	1	41	52	1.1
Hybopsis sp. cf. winchelli		11B	1570	1	44	56	1.3
Hybopsis sp. cf. winchelli		11B	1570	1	37	47	0.8
Ichthyomyzon gagei	southern brook lamprey	11B	1570	1	NA	114	4
Ichthyomyzon gagei	southern brook lamprey	11B	1570	1	NA	130	4.6
Labidesthes sicculus	brook silverside	11B	1570	1	42	51	0.7
Labidesthes sicculus	brook silverside	11B	1570	1	45	55	0.9
Labidesthes sicculus	brook silverside	11B	1570	1	39	47	0.6
Labidesthes sicculus	brook silverside	11B	1570	1	47	57	1
Labidesthes sicculus	brook silverside	11B	1570	1	42	50	0.7
Labidesthes sicculus	brook silverside	11B	1570	1	40	48	0.6
Labidesthes sicculus	brook silverside	11B	1570	1	43	52	0.8
Labidesthes sicculus	brook silverside	11B	1570	1	40	48	0.6
Labidesthes sicculus	brook silverside	11B	1570	1	42	50	0.7
Labidesthes sicculus	brook silverside	11B	1570	1	43	52	0.7
Lepomis auritus	redbreast sunfish	11B	1570	1	104	130	38
Lepomis auritus	redbreast sunfish	11B	1570	1	70	90	12.8
Lepomis auritus	redbreast sunfish	11B	1570	1	75	95	13.8

02350080 LIME CREEK NEAR COBB, GA —continued.

Scientific Name	Common Name	Method	ShockSec	Count	SL	TL	Weight
Lepomis auritus	redbreast sunfish	11B	1570	1	65	84	8.3
Lepomis auritus	redbreast sunfish	11B	1570	1	24	30	0.5
Lepomis auritus	redbreast sunfish	11B	1570	1	55	70	5.2
Lepomis auritus	redbreast sunfish	11B	1570	1	65	80	8.2
Lepomis auritus	redbreast sunfish	11B	1570	1	55	70	5.2
Lepomis cyanellus	green sunfish	11B	1570	1	30	32	0.3
Lepomis gulosus	warmouth	11B	1570	1	93	116	32
Lepomis gulosus	warmouth	11B	1570	1	100	125	36
Lepomis gulosus	warmouth	11B	1570	1	71	91	13.4
Lepomis gulosus	warmouth	11B	1570	1	80	100	16.2
Lepomis macrochirus	bluegill sunfish	11B	1570	1	135	165	116
Lepomis macrochirus	bluegill sunfish	11B	1570	1	111	146	48
Lepomis macrochirus	bluegill sunfish	11B	1570	1	120	156	66
Lepomis macrochirus	bluegill sunfish	11B	1570	1	85	110	20.6
Lepomis macrochirus	bluegill sunfish	11B	1570	1	94	122	30
Lepomis macrochirus	bluegill sunfish	11B	1570	1	79	101	15.2
Lepomis macrochirus	bluegill sunfish	11B	1570	1	66	89	10.8
Lepomis macrochirus	bluegill sunfish	11B	1570	1	71	94	12.1
Lepomis macrochirus	bluegill sunfish	11B	1570	1	50	64	3.8
Lepomis punctatus	spotted sunfish	11B	1570	1	100	128	46
Lepomis punctatus	spotted sunfish	11B	1570	1	80	100	24
Lepomis punctatus	spotted sunfish	11B	1570	1	76	99	20
Lepomis punctatus	spotted sunfish	11B	1570	1	85	106	24
Lepomis punctatus	spotted sunfish	11B	1570	1	40	50	2.4
Lepomis punctatus	spotted sunfish	11B	1570	1	30	39	1
Lepomis punctatus	spotted sunfish	11B	1570	1	27	35	0.8
Lepomis punctatus	spotted sunfish	11B	1570	1	26	33	0.6
Lepomis punctatus	spotted sunfish	11B	1570	1	27	34	0.7
Lepomis punctatus	spotted sunfish	11B	1570	1	22	28	0.4
Micropterus salmoides	largemouth bass	11B	1570	1	175	217	114
Micropterus salmoides	largemouth bass	11B	1570	1	210	265	226
Micropterus salmoides	largemouth bass	11B	1570	1	77	95	8.7
Micropterus salmoides	largemouth bass	11B	1570	1	70	87	7.2
Moxostoma lachneri	greater jumprock	11B	1570	1	179	221	94
Notropis harperi	redeye chub	11B	1570	1	29	34	0.3
Notropis texanus	weed shiner	11B	1570	38	NA	NA	34.2
Notropis texanus	weed shiner	11B	1570	9	NA	NA	7.3
Notropis texanus	weed shiner	11B	1570	1	NA	NA	1.4
Noturus leptacanthus	speckled madtom	11B	1570	1	38	42	0.8
Noturus leptacanthus	speckled madtom	11B	1570	1	26	33	0.4
Noturus leptacanthus	speckled madtom	11B	1570	1	30	35	0.4
Noturus leptacanthus	speckled madtom	11B	1570	1	28	34	0.4
Noturus leptacanthus	speckled madtom	11B	1570	1	28	34	0.3
Opsopoeodus emiliae	pugnose minnow	11B	1570	1	35	44	0.6
Opsopoeodus emiliae	pugnose minnow	11B	1570	1	33	42	0.5
Opsopoeodus emiliae	pugnose minnow	11B	1570	1	37	46	0.8
Opsopoeodus emiliae	pugnose minnow	11B	1570	1	35	43	0.6
Opsopoeodus emiliae	pugnose minnow	11B	1570	1	39	48	0.9
Opsopoeodus emiliae	pugnose minnow	11B	1570	1	35	43	0.6
Opsopoeodus emiliae	pugnose minnow	11B	1570	1	34	42	0.5
Opsopoeodus emiliae	pugnose minnow	11B	1570	1	37	46	0.7
Percina nigrofasciata	blackbanded darter	11B	1570	1	42	50	1
Percina nigrofasciata	blackbanded darter	11B	1570	1	34	40	0.4
Percina nigrofasciata	blackbanded darter	11B	1570	1	48	55	1.4
Percina nigrofasciata	blackbanded darter	11B	1570	1	28	34	0.2
Percina nigrofasciata	blackbanded darter	11B	1570	1	35	44	0.6
Percina nigrofasciata	blackbanded darter	11B	1570	1	39	44	0.6
Percina nigrofasciata	blackbanded darter	11B	1570	1	39	49	0.8
Percina nigrofasciata	blackbanded darter	11B	1570	1	54	60	1.9
Percina nigrofasciata	blackbanded darter	11B	1570	1	40	48	0.9
Percina nigrofasciata	blackbanded darter	11B	1570	1	38	45	0.7
Percina nigrofasciata	blackbanded darter	11B	1570	1	40	46	0.8
Percina nigrofasciata	blackbanded darter	11B	1570	1	41	50	1
Percina nigrofasciata	blackbanded darter	11B	1570	1	48	56	1.4
Percina nigrofasciata	blackbanded darter	11B	1570	1	54	60	1.5

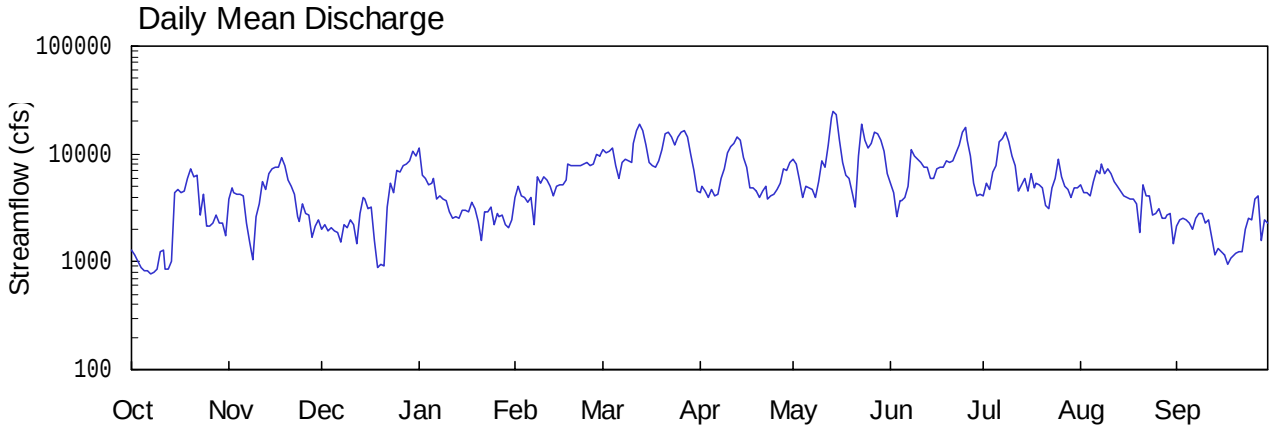
02350080 LIME CREEK NEAR COBB, GA —continued.

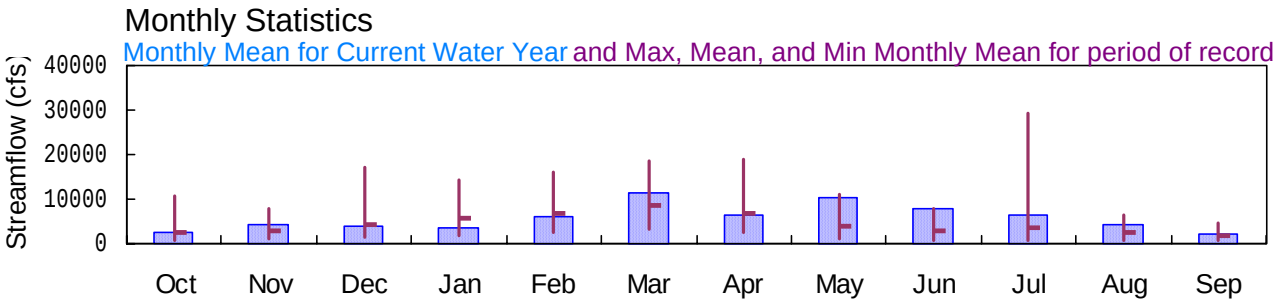
Scientific Name	Common Name	Method	ShockSec	Count	SL	TL	Weight
Percina nigrofasciata	blackbanded darter	11B	1570	1	40	46	0.8
Percina nigrofasciata	blackbanded darter	11B	1570	1	40	45	0.7
Percina nigrofasciata	blackbanded darter	11B	1570	1	50	58	1.8
Percina nigrofasciata	blackbanded darter	11B	1570	1	40	46	1
Percina nigrofasciata	blackbanded darter	11B	1570	1	44	50	1
Percina nigrofasciata	blackbanded darter	11B	1570	1	40	47	0.8
Percina nigrofasciata	blackbanded darter	11B	1570	1	38	44	0.6
Percina nigrofasciata	blackbanded darter	11B	1570	1	34	38	0.4
Percina nigrofasciata	blackbanded darter	11B	1570	1	32	36	0.3
Percina nigrofasciata	blackbanded darter	11B	1570	1	26	31	0.1
Percina nigrofasciata	blackbanded darter	11B	1570	1	40	45	0.6
Percina nigrofasciata	blackbanded darter	11B	1570	1	30	36	0.4

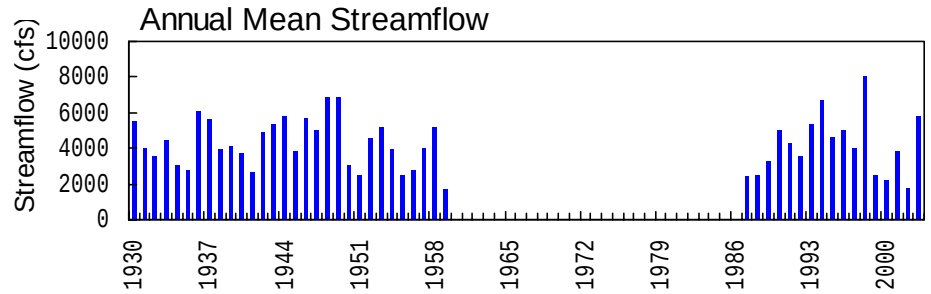
2003 Water Year

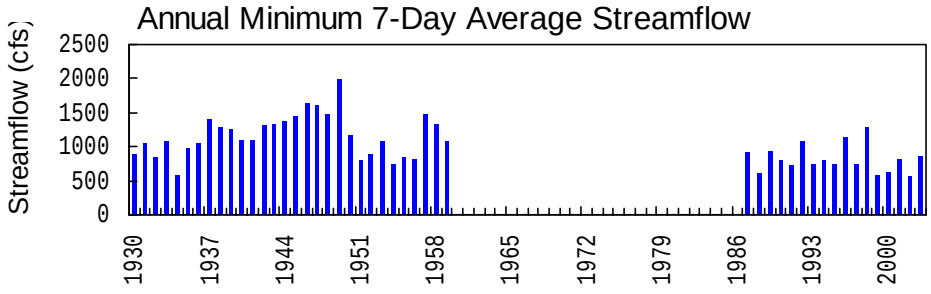
02350512 FLINT RIVER AT GA 32, NEAR OAKFIELD, GA

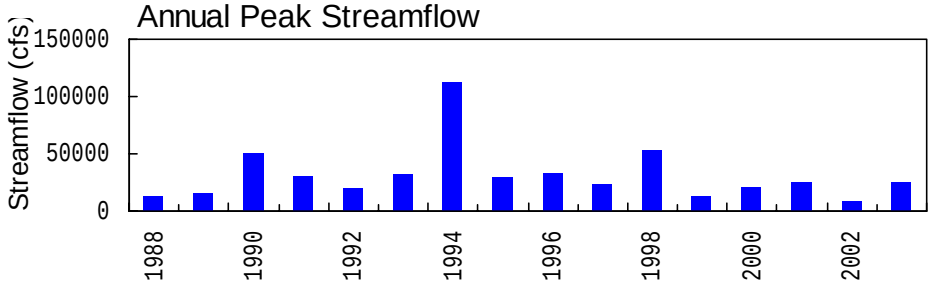
Latitude: 31°43'30" Longitude: 084°01'07" Hydrologic Unit Code: 03130006 Worth County
Drainage Area: 388 mi² Datum: 185.8 feet

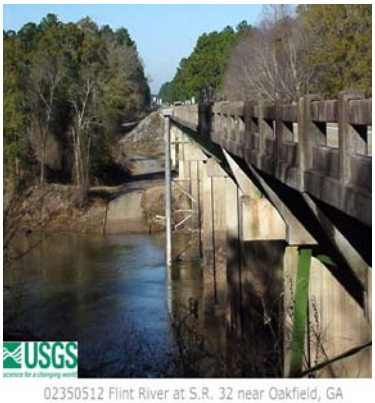












02350512 Flint River at S.R. 32 near Oakfield, GA

APALACHICOLA RIVER BASIN
2003 Water Year

02350512 FLINT RIVER AT GA 32, NEAR OAKFIELD, GA

LOCATION.—Lat 31°43'30", long 84°01'07" referenced to North American Datum (NAD) of 1927, Worth-Lee County line, Hydrologic Unit 03130006, on downstream end of pier of bridge on GA 32, 5.0 miles southwest of Oakfield, 3.2 miles downstream from Jones Creek, 13.9 miles downstream from Crisp County dam site, and at river mile 120.8.

DRAINAGE AREA.—3,880 square miles, approximately.

COOPERATION.—Georgia Power Corporation; Crisp County Power Commission.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1929 to December 1958, May 1987 to current year. Monthly discharge only, October 1929 to January 1930 and June 1933 to October 1934 (published in WSP 1304). Prior to May 1987, published as "at Oakfield" (station 02350500).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 185.87 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). From January 9, 1930 to June 23, 1933, and from October 1, 1934 to December 31, 1958, a recording gage was located at a site 4.2 miles upstream at datum 193.29 feet above sea level, supplementary adjustment of 1936.

REMARKS.—Records good, except for periods of estimated discharge. Flow regulated by power plant at Warwick Reservoir since 1930 that has a capacity of approximately 35,000 acre-ft. Normal operation of power plant does not materially affect figures of monthly runoff.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1898, 35.1 feet, January 20, 1925, from flood marks, 90,000 cfs. Flood in March 1929 reached a stage of 34.0 feet, from flood marks, 85,000 cfs.

02350512 FLINT RIVER AT GA 32, NEAR OAKFIELD, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1929 to December 1958, May 1987 to current year. Monthly discharge only, October 1929 to January 1930 and June 1933 to October 1934 (published in WSP 1304). Prior to May 1987, published as "at Oakfield" (station 02350500).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 185.87 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). From January 9, 1930 to June 23, 1933, and from October 1, 1934 to December 31, 1958, a recording gage was located at a site 4.2 miles upstream at datum 193.29 feet above sea level, supplementary adjustment of 1936.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 17.64 feet, May 14; Minimum gage-height recorded, 2.11 feet, September 17.

PRECIPITATION RECORDS

PERIOD OF RECORD.—October 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02350512 FLINT RIVER AT GA 32, NEAR OAKFIELD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 321
LATITUDE 314330 LONGITUDE 0840107 NAD27 DRAINAGE AREA 3880 CONTRIBUTING DRAINAGE AREA 3880* DATUM 185.87 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1270	3830	1990	11200	3920	11100	4420	8800	5380	4040	5170	2140
2	1150	4770	2210	6310	4970	10300	5060	8120	4410	5420	4400	2470
3	1020	4390	1950	6010	4040	10600	4480	5780	2660	4720	4320	2550
4	868	4170	2090	5120	3910	11200	4000	3890	3700	6700	4050	2470
5	834	4160	1950	5310	3610	7870	4700	5050	3730	7840	5510	2270
6	829	4080	1870	5860	3900	5930	4030	4840	3990	13000	e6980	2000
7	776	2270	1510	3810	2200	8470	4180	4700	4950	13800	e6660	2520
8	785	1500	2190	4100	6090	9050	5900	3950	10800	15800	e8030	2820
9	864	1030	2070	3790	5330	8630	7270	5630	9650	13000	e6470	2830
10	1250	2610	2480	3640	6130	8480	10100	8500	8820	9630	e7280	2300
11	1300	3420	2250	2930	5660	12400	11900	7500	8330	7870	e6550	2410
12	849	5450	1460	2570	5070	16400	12400	12200	7490	4520	e5610	1660
13	841	4680	2850	2600	4110	18700	14200	21500	7480	5140	4950	1150
14	1010	6470	3890	2500	4950	16500	13500	24800	5940	5940	4460	e1330
15	4420	7330	3750	3030	e5250	12100	9140	22900	6020	4580	4110	e1220
16	4700	7460	3080	e3000	e5200	8260	7590	13300	7260	6590	3970	e1170
17	4310	7590	3250	e2920	e5660	7870	4900	8340	7540	4900	3790	942
18	e4550	9110	1580	e3520	8030	7470	4860	6440	7580	5420	3790	1090
19	5920	7800	893	e3150	7780	8550	4480	6020	8510	5160	3400	1160
20	7210	5740	956	e2360	7750	11000	3970	4440	8450	4810	1860	1200
21	e6120	5060	920	e1600	7750	15500	4520	3260	8770	3320	5120	1240
22	e6280	4290	3180	2890	7810	15800	4920	9410	10300	3120	4070	1250
23	e2710	2630	5270	2900	8140	14300	3780	18700	12300	4830	4040	2030
24	e4190	2350	4400	3180	8220	12100	4060	13600	16000	5910	2670	2500
25	e2170	3440	7010	2190	7860	14600	4170	11300	17700	8920	2770	2490
26	2170	2810	6840	2850	8010	16000	4660	12500	13500	6070	3130	3780
27	e2250	2740	7840	2620	9720	16400	5360	15700	9510	4920	2520	4140
28	e2680	1690	8070	2740	9440	14200	7340	15600	5380	4760	2540	1560
29	2320	2140	8650	2180	---	9810	7050	13300	4030	3980	2670	2410
30	2320	2490	10400	2060	---	6980	8430	10500	4170	4790	2830	2320
31	1750	---	9440	2430	---	4580	---	6500	---	4840	1450	---
TOTAL	79716	127500	116289	111370	170510	351150	195370	317070	234350	204340	135170	61422
MEAN	2571	4250	3751	3593	6090	11330	6512	10230	7812	6592	4360	2047
MAX	7210	9110	10400	11200	9720	18700	14200	24800	17700	15800	8030	4140
MIN	776	1030	893	1600	2200	4580	3780	3260	2660	3120	1450	942
CFSM	0.66	1.10	0.97	0.93	1.57	2.92	1.68	2.64	2.01	1.70	1.12	0.53
IN.	0.76	1.22	1.11	1.07	1.63	3.37	1.87	3.04	2.25	1.96	1.30	0.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2003, BY WATER YEAR (WY)

MEAN	2344	2759	4431	5825	6899	8555	6645	3904	2814	3585	2497	1957
MAX	10690	7848	17020	14120	15890	18670	18880	11000	7812	29160	6360	4501
(WY)	1930	1931	1949	1936	1998	1998	1936	1953	2003	1994	1994	1953
MIN	821	1036	1402	1705	2524	3048	2559	1189	697	688	683	797
(WY)	2002	2002	2002	1956	1989	1955	1999	2000	2000	2000	1988	2002

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1930 - 2003	
ANNUAL TOTAL	862214		2104257			
ANNUAL MEAN	2362		5765		4354	
HIGHEST ANNUAL MEAN					8013	1998
LOWEST ANNUAL MEAN					1750	2002
HIGHEST DAILY MEAN	10400	Dec 30	24800	May 14	109000	Jul 10 1994
LOWEST DAILY MEAN	515	Sep 13	776	Oct 7	152	Jun 8 1941
ANNUAL SEVEN-DAY MINIMUM	567	Sep 8	854	Oct 3	567	Sep 8 2002
MAXIMUM PEAK FLOW			25400	May 14	112000	Jul 10 1994
MAXIMUM PEAK STAGE			17.64	May 14	40.10	Jul 10 1994
INSTANTANEOUS LOW FLOW			510	Sep 17	497	Sep 12 2002
ANNUAL RUNOFF (CFSM)	0.61		1.49		1.12	
ANNUAL RUNOFF (INCHES)	8.27		20.17		15.25	
10 PERCENT EXCEEDS	5020		11500		8840	
50 PERCENT EXCEEDS	1870		4700		3000	
90 PERCENT EXCEEDS	725		1680		1100	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02350512 FLINT RIVER AT GA 32, NEAR OAKFIELD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 321
LATITUDE 314330 LONGITUDE 0840107 NAD27 DRAINAGE AREA 3880 CONTRIBUTING DRAINAGE AREA 3880* DATUM 185.87 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.11	5.33	3.77	10.48	5.41	10.35	5.96	9.06	6.67	5.54	6.49	3.83
2	2.96	6.15	4.03	7.35	6.39	9.94	6.54	8.63	5.86	6.70	5.88	4.18
3	2.80	5.83	3.75	7.15	5.64	10.12	6.06	7.04	4.36	6.05	5.77	4.28
4	2.61	5.64	3.91	6.49	5.52	10.48	5.65	5.62	5.27	7.67	5.54	4.19
5	2.57	5.64	3.73	6.62	5.29	8.48	6.26	6.53	5.27	8.45	6.77	4.05
6	2.56	5.54	3.66	7.07	5.50	7.09	5.73	6.38	5.48	11.50	---	3.79
7	2.49	3.95	3.29	5.45	3.96	8.79	5.85	6.26	6.27	11.93	---	4.24
8	2.50	3.34	4.00	5.71	7.21	9.14	7.14	5.67	10.26	12.99	---	4.57
9	2.61	2.79	3.84	5.44	6.58	8.91	8.08	6.93	9.57	11.54	---	4.56
10	3.06	4.38	4.30	5.32	7.25	8.86	9.87	8.88	9.07	9.54	---	4.08
11	3.13	5.05	4.08	4.70	6.87	11.18	10.91	8.23	8.76	8.44	---	4.22
12	2.59	6.73	3.25	4.40	6.45	13.35	11.19	10.97	8.23	5.97	---	3.51
13	2.58	6.07	4.65	4.41	5.73	14.48	12.18	15.81	8.22	6.47	6.31	2.96
14	2.79	7.52	5.44	4.32	6.36	13.35	11.80	17.36	7.11	7.14	5.90	---
15	6.00	8.12	5.29	4.80	---	11.02	9.25	16.48	7.18	6.00	5.61	---
16	6.25	8.21	4.77	---	---	8.72	8.29	11.60	8.08	7.63	5.49	---
17	5.92	8.29	4.76	---	---	8.48	6.41	8.77	8.26	6.30	5.37	2.66
18	---	9.25	3.35	---	8.58	8.21	6.39	7.49	8.29	6.71	5.37	2.88
19	7.15	8.42	2.64	---	8.41	8.90	6.10	7.17	8.87	6.50	4.99	2.98
20	8.04	6.95	2.73	---	8.40	10.36	5.69	5.98	8.84	6.27	3.62	3.02
21	---	6.40	2.68	---	8.40	12.88	6.13	4.91	9.04	4.91	6.45	3.07
22	---	5.75	4.66	4.68	8.44	13.02	6.44	9.32	9.94	4.75	5.57	3.08
23	---	4.36	6.55	4.67	8.65	12.24	5.53	14.51	11.13	6.21	5.55	3.91
24	---	4.15	5.81	4.94	8.70	11.01	5.76	11.85	13.13	7.05	4.42	4.39
25	---	5.00	7.90	3.94	8.47	12.37	5.85	10.54	14.00	9.12	4.40	4.38
26	3.94	4.45	7.78	4.44	8.57	13.11	6.24	11.21	11.75	7.22	4.79	5.49
27	---	4.42	8.45	4.40	9.61	13.34	6.75	12.95	9.48	6.29	4.22	5.81
28	---	3.48	8.60	4.53	9.44	12.16	8.13	12.92	6.67	6.15	4.26	3.43
29	4.05	3.97	8.96	4.01	---	9.65	7.93	11.66	5.53	5.50	4.36	4.30
30	4.09	4.20	10.03	3.88	---	7.86	8.83	10.04	5.65	6.18	4.53	4.21
31	3.54	---	9.44	4.01	---	6.08	---	7.54	---	6.21	3.25	---
MEAN	---	5.65	5.16	---	---	10.45	7.43	9.62	8.21	7.38	---	---
MAX	---	9.25	10.03	---	---	14.48	12.18	17.36	14.00	12.99	---	---
MIN	---	2.79	2.64	---	---	6.08	5.53	4.91	4.36	4.75	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

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LATITUDE 314330 LONGITUDE 0840107 NAD27 DRAINAGE AREA 3880 CONTRIBUTING DRAINAGE AREA 3880* DATUM 185.87 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.11	0.00	1.53	0.00	0.26	0.00	0.31	0.16	0.01
2	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.00	0.83	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.02	0.32	0.00	0.75	1.00
4	0.00	0.15	0.00	0.00	0.10	0.15	0.00	0.02	0.02	0.03	0.49	0.01
5	0.00	0.31	0.34	0.00	0.00	0.02	0.00	0.01	0.00	0.01	0.01	0.13
6	0.00	0.12	0.00	0.00	0.63	0.02	0.00	0.01	1.07	0.18	---	0.01
7	0.08	0.00	0.00	0.00	0.02	0.52	2.29	0.01	1.25	1.51	---	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	1.42	0.00	0.20	0.00	---	0.00
9	0.00	0.01	0.00	0.00	0.04	0.20	0.43	0.00	0.01	0.00	---	0.00
10	0.00	0.07	0.12	0.00	0.08	0.00	0.15	0.00	0.00	0.00	---	0.00
11	0.00	1.57	0.01	0.00	0.00	0.00	0.00	0.10	0.02	0.08	---	0.00
12	0.00	1.10	0.01	0.00	0.00	0.00	0.00	0.05	0.27	0.06	---	0.00
13	0.09	0.00	1.28	0.00	0.00	0.43	0.00	0.05	0.60	0.00	0.03	0.00
14	0.01	0.00	0.00	0.00	0.00	0.22	0.00	0.01	0.17	0.00	0.01	---
15	1.29	0.00	0.00	0.00	0.00	0.76	0.00	0.01	0.01	0.01	0.31	---
16	0.00	0.44	0.00	0.04	---	0.00	0.00	0.00	0.00	0.01	0.18	---
17	0.00	0.08	0.00	0.00	---	0.87	0.00	0.06	0.03	0.00	0.05	0.00
18	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.03	0.11	0.00	0.01	0.00
19	0.00	0.00	0.36	0.00	0.00	0.39	0.00	0.24	0.29	0.04	1.01	0.00
20	0.00	0.00	0.54	0.00	0.00	2.55	0.00	0.01	0.50	0.00	0.42	0.00
21	0.00	0.00	0.00	0.00	0.05	0.00	0.04	0.06	0.00	0.00	0.01	0.23
22	0.01	0.00	0.00	0.00	0.62	0.00	0.00	4.55	0.00	2.40	0.36	0.46
23	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.18	0.00	0.04
24	---	0.00	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	---	0.00	0.00	0.00	0.00	0.00	1.47	0.00	0.00	0.03	0.00	0.00
26	0.00	0.00	0.00	0.00	0.49	0.00	0.08	0.23	0.00	0.00	0.49	0.01
27	0.03	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.16	0.00
28	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.69	0.00
29	0.18	0.00	0.00	0.00	---	0.00	0.00	0.00	0.45	0.00	0.77	0.00
30	0.12	0.00	0.00	0.12	---	0.22	0.28	0.00	0.49	0.26	0.01	0.00
31	0.00	---	0.97	0.00	---	0.00	---	0.00	---	0.18	0.00	---
TOTAL	---	3.85	5.22	0.27	---	8.10	6.16	6.75	5.81	7.51	---	---

APALACHICOLA RIVER BASIN
2003 Water Year

02350600 KINCHAFOONEE CREEK AT PRESTON, GA

LOCATION.—Lat 32°03'09", long 84°32'54" referenced to North American Datum (NAD) of 1927, Webster County, Hydrologic Unit 03130007, at bridge on GA 41, 1.0 miles southwest of Preston, and 1.0 mile upstream from Harrell Mill Creek.

DRAINAGE AREA.—197 square miles.

COOPERATION.—Georgia Department of Transportation.

WATER-STAGE RECORDS

PERIOD OF RECORD.—1943, 1948 to 1950, 1951 to 1977 as a continuous record gaging station, 1978 to 1980, and as a continuous stage station from 1987 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 337.70 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good. This station is published as a continuous stage station with peak instantaneous stage and discharge.

EXTREMES FOR PERIOD OF RECORD.—Maximum gage-height, 12.16 feet, March 17, 1990; maximum discharge, 14,500 cfs, March 17, 1990.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 6.46 feet, May 24; maximum discharge, 1,380 cfs, May 24; minimum gage-height recorded, 1.04 feet, October 5.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 5, 2002 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02350600 KINCHAFOONEE CREEK AT PRESTON, GA SOURCE AGENCY USGS STATE 13 COUNTY 307
LATITUDE 320309 LONGITUDE 0843254 NAD27 DRAINAGE AREA 197.00 CONTRIBUTING DRAINAGE AREA 197.00* DATUM 337.70 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.42	1.95	2.29	3.95	3.65	3.97	3.15	2.99	2.20	2.77	3.34	2.22
2	1.35	1.82	2.25	4.39	3.09	4.01	3.05	3.45	2.14	3.96	3.58	2.13
3	1.21	1.73	2.22	4.02	2.86	3.87	3.01	3.82	2.26	4.67	3.37	2.62
4	1.09	1.76	2.22	3.55	2.83	3.71	2.98	3.72	3.02	3.65	3.40	2.65
5	1.06	1.99	2.41	3.27	2.88	3.70	2.96	3.32	2.93	3.00	3.77	2.83
6	1.13	2.50	2.65	3.12	2.79	3.63	2.95	2.96	2.60	2.90	4.51	3.34
7	1.83	2.46	2.55	3.02	3.33	4.07	3.16	2.74	3.86	2.61	4.23	3.10
8	2.01	2.15	2.38	2.94	3.73	4.90	4.70	2.57	4.63	2.47	4.26	2.66
9	1.59	1.96	2.31	2.91	3.30	5.46	5.94	2.47	4.54	2.23	3.66	2.33
10	1.41	2.44	2.31	2.91	3.09	4.49	5.73	2.32	3.57	2.01	3.11	2.11
11	1.36	2.87	2.96	2.84	3.13	3.85	4.91	2.21	2.91	2.10	2.74	1.96
12	1.34	4.67	3.45	2.75	2.95	3.58	4.27	2.84	2.99	2.22	2.58	1.82
13	1.34	5.14	3.60	2.69	2.78	3.48	3.83	3.19	3.32	2.37	2.73	1.71
14	1.46	4.75	3.91	2.68	2.69	3.62	3.52	2.60	3.73	3.03	2.84	1.68
15	2.20	3.40	3.54	2.68	2.65	4.01	3.32	2.42	3.88	2.97	2.81	1.84
16	3.93	3.55	2.96	2.67	3.60	3.92	3.17	2.53	4.11	2.51	2.97	1.79
17	3.88	3.99	2.72	2.73	4.85	3.82	3.08	2.48	4.65	2.14	3.55	1.66
18	2.72	3.59	2.60	2.78	5.30	3.96	3.04	2.29	4.09	1.97	3.14	1.55
19	2.13	3.06	2.57	2.67	4.55	4.11	2.97	2.76	3.37	2.55	2.74	1.45
20	1.85	2.81	4.13	2.64	3.62	4.89	2.91	3.35	3.22	2.13	2.59	1.39
21	1.75	2.72	4.86	2.67	3.42	5.38	2.89	3.09	4.17	1.89	2.73	1.37
22	2.00	2.65	4.54	2.77	3.84	5.46	2.96	4.21	3.95	2.04	2.69	1.61
23	2.01	2.54	3.43	3.10	4.59	4.38	2.91	5.46	2.96	2.97	2.52	3.64
24	2.25	2.40	3.92	2.99	5.32	3.86	2.69	6.02	2.57	3.97	2.33	3.46
25	2.86	2.37	5.01	2.71	4.28	3.64	3.66	4.77	2.29	3.55	2.14	2.60
26	2.50	2.35	5.19	2.67	3.63	3.49	5.06	3.61	2.09	2.75	2.01	2.16
27	2.27	2.34	4.21	2.66	3.80	3.41	5.10	3.23	1.96	2.43	1.89	1.98
28	2.40	2.32	3.46	2.61	4.05	3.36	3.88	3.01	1.86	2.13	1.84	1.85
29	2.38	2.27	3.26	2.58	---	3.29	3.24	2.76	2.02	2.62	2.63	1.71
30	2.27	2.28	3.15	2.85	---	3.31	2.97	2.53	2.56	3.38	2.73	1.60
31	2.11	---	3.13	3.61	---	3.32	---	2.34	---	3.01	2.42	---
MEAN	1.97	2.76	3.23	2.98	3.59	4.00	3.60	3.16	3.15	2.74	2.96	2.16
MAX	3.93	5.14	5.19	4.39	5.32	5.46	5.94	6.02	4.65	4.67	4.51	3.64
MIN	1.06	1.73	2.22	2.58	2.65	3.29	2.69	2.21	1.86	1.89	1.84	1.37

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02350600 KINCHAFOONEE CREEK AT PRESTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 307
LATITUDE 320309 LONGITUDE 0843254 NAD27 DRAINAGE AREA 197.00 CONTRIBUTING DRAINAGE AREA 197.00* DATUM 337.70 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	0.00	0.30	0.00	0.60	0.00	0.60	0.00	1.41	0.10	0.00
2	---	---	0.00	0.07	0.00	0.02	0.00	0.49	0.00	0.00	0.00	1.56
3	---	---	0.00	0.00	0.00	0.15	0.00	0.03	0.51	0.14	0.00	0.00
4	---	---	0.00	0.00	0.18	0.19	0.00	0.00	0.05	0.39	0.08	0.00
5	---	---	0.35	0.00	0.01	0.07	0.00	0.00	0.00	0.00	0.18	0.50
6	---	0.07	0.00	0.00	0.55	0.10	0.01	0.00	0.77	0.00	0.00	0.00
7	---	0.00	0.00	0.00	0.01	0.54	1.47	0.00	1.04	0.13	1.07	0.00
8	---	0.00	0.00	0.00	0.00	0.00	1.21	0.00	0.07	0.00	0.15	0.00
9	---	0.05	0.01	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.26	0.00
10	---	0.74	0.34	0.00	0.18	0.00	0.12	0.00	0.00	0.00	0.00	0.00
11	---	1.65	0.02	0.00	0.00	---	0.01	0.74	0.22	0.00	0.00	0.00
12	---	0.90	0.06	0.00	0.00	---	0.00	0.02	0.04	0.36	0.23	0.00
13	---	0.00	0.85	0.00	0.00	---	0.00	0.00	0.20	0.41	0.00	0.00
14	---	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.27	0.00	0.29
15	---	0.09	0.00	0.00	0.00	0.08	0.00	0.08	0.22	0.00	1.55	0.00
16	---	0.50	0.00	0.09	1.91	0.01	0.00	0.05	0.46	0.00	0.51	0.00
17	---	0.00	0.00	0.00	0.06	0.42	0.00	0.00	0.76	0.00	0.00	0.00
18	---	0.00	0.01	0.00	0.04	0.00	0.00	0.14	0.00	0.00	0.00	0.00
19	---	0.00	1.29	0.00	0.00	0.06	0.00	1.12	0.12	0.45	0.00	0.00
20	---	0.00	0.03	0.00	0.00	1.74	0.00	0.02	0.00	0.00	0.52	0.00
21	---	0.00	0.00	0.00	0.25	0.01	0.07	0.77	0.00	0.14	0.29	0.06
22	---	0.00	0.00	0.20	0.55	0.00	0.05	0.98	0.00	1.86	0.00	2.29
23	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.04
24	---	0.00	1.65	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.00	0.00
25	---	0.00	0.00	0.00	0.00	0.00	2.06	0.00	0.00	0.00	0.00	0.00
26	---	0.00	0.00	0.00	0.32	0.00	0.00	0.14	0.00	0.00	0.00	0.00
27	---	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	---	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.14	0.00
29	---	0.00	0.00	0.02	---	0.01	0.03	0.00	0.71	0.09	0.08	0.00
30	---	0.00	0.00	0.50	---	0.22	0.82	0.00	0.00	0.63	0.00	0.00
31	---	---	0.64	0.02	---	0.01	---	0.00	---	0.07	0.00	---
TOTAL	---	---	5.25	1.20	4.41	---	6.58	5.18	5.17	7.33	5.16	4.74

APALACHICOLA RIVER BASIN
2003 Water Year

02350685 CHOCTAHATCHEE CREEK TRIBUTARY AT US 280, NEAR PLAINS, GA

LOCATION.—Lat 32°02'02", long 84°25'04" referenced to North American Datum (NAD) of 1927, Sumter County, Hydrologic Unit 03130007, at culvert on US 280, 2.4 miles west of Plains.

DRAINAGE AREA.—0.32 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1977 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 440.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

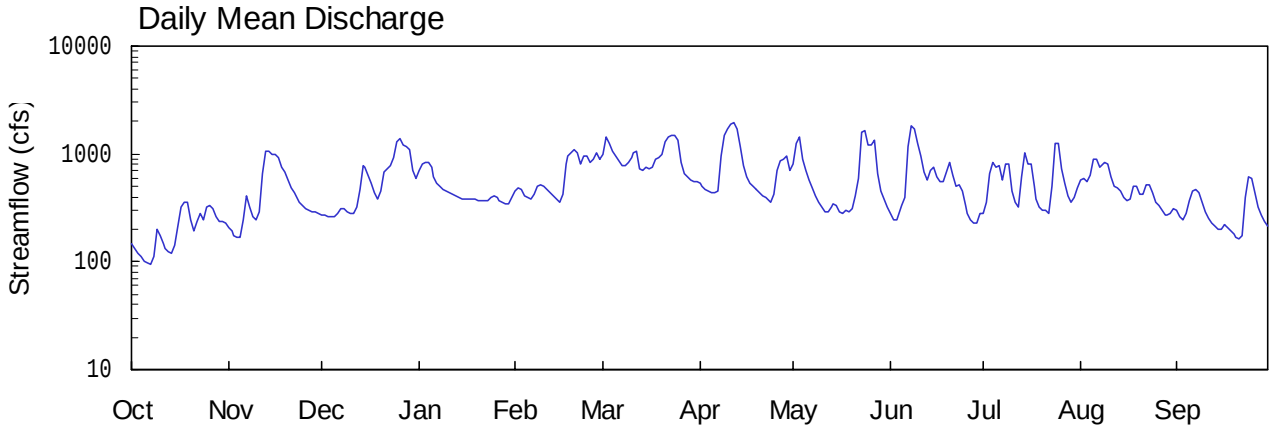
MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 9.25 feet, July 6, 1994
DISCHARGE: 625 cfs, July 6, 1994

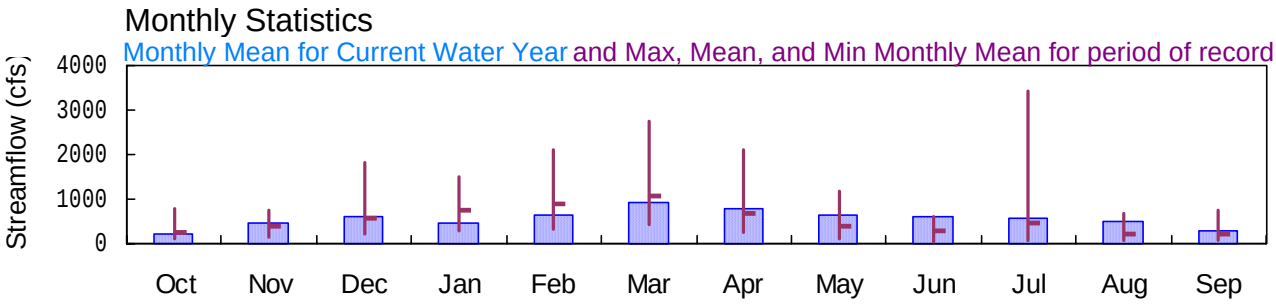
MAXIMUM FOR CURRENT YEAR.—
STAGE: 0.86 feet, April 26
DISCHARGE: 3.30 cfs, April 26

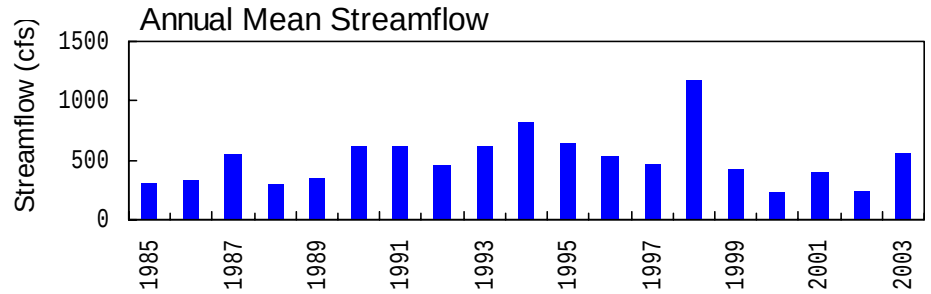
2003 Water Year

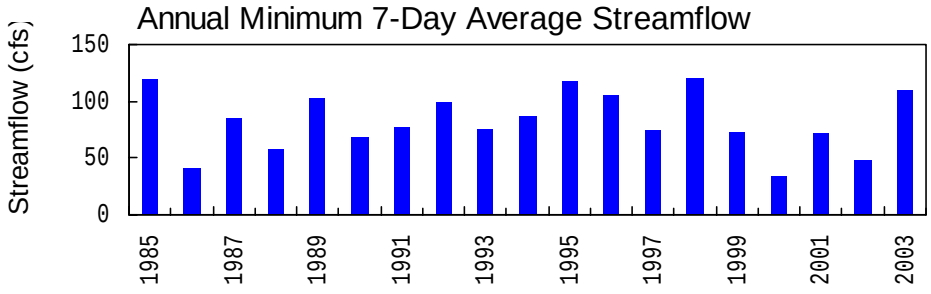
02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA

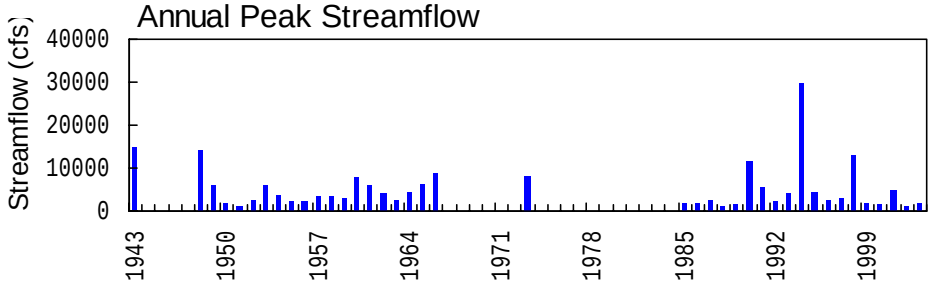
Latitude: 31°45'52" Longitude: 084°15'12" Hydrologic Unit Code: 03130007 Lee County
Drainage Area: 527.0 mi² Datum: 211.7 feet











APALACHICOLA RIVER BASIN
2003 Water Year

02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA

LOCATION.—Lat 31°45'52", long 84°15'12" referenced to North American Datum (NAD) of 1927, Lee County, Hydrologic Unit 03130007, on downstream end of bridge pier on Pinewood Road, 3.6 miles west of US 19, 12.4 miles east of Dawson, and 5.2 miles northwest of Leesburg.

DRAINAGE AREA.—527 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Water years 1949-65 (annual maximum), March 1985 to current year.

GAGE.—Phone telemetry with a water-stage recorder. Datum of gage is 211.74 feet above National Geodetic Vertical Datum (NGVD) of 1929 (Georgia State Highway Commission benchmark). From April 6, 1949 to September 30, 1965, a crest-stage gage was located at a site 1,500 feet upstream at same datum.

REMARKS.—Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood in 1943 or 1944 is believed to have reached an elevation of about 23 feet from information by local resident. Maximum stage of 20.46 feet was reached March 5, 1966.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,600 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
04/12	1000	2,010*	10.74*
05/23	2345	1,760	10.25
06/08	1315	1,850	10.50

WATER-STAGE RECORDS

PERIOD OF RECORD.—Water years 1949-65 (annual maximum), March 1985 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 211.74 feet above sea level (Georgia State Highway Commission benchmark). From April 6, 1949 to September 30, 1965, a crest-stage gage was located at a site 1,500 feet upstream at same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 10.74 feet, April 12; minimum gage-height recorded, 2.51 feet, October 7.

02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 14, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 177
LATITUDE 314552 LONGITUDE 0841512 NAD27 DRAINAGE AREA 527.00 CONTRIBUTING DRAINAGE AREA 527.00* DATUM 211.74 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	148	210	272	710	451	996	531	812	276	284	569	304
2	133	192	268	809	482	1420	502	1250	248	354	588	265
3	119	177	264	821	464	1260	469	1430	248	650	563	245
4	110	169	261	843	414	1050	447	906	302	830	637	280
5	102	168	260	762	394	951	440	701	329	757	888	370
6	96	244	283	609	380	865	436	581	395	780	891	449
7	93	406	308	537	422	785	457	485	1170	568	750	466
8	113	322	309	500	494	773	951	415	1800	803	773	434
9	199	267	291	476	513	823	1500	358	1680	813	836	351
10	176	242	277	457	506	924	1730	317	1260	459	802	292
11	145	291	283	442	467	1030	1880	290	949	353	618	255
12	131	648	318	425	443	1070	1980	287	674	326	499	230
13	122	1070	471	407	412	735	1720	326	568	613	485	212
14	121	1070	776	393	375	715	1190	349	702	1020	455	201
15	141	997	742	383	352	746	768	328	750	807	401	201
16	214	980	635	378	421	732	618	293	607	818	365	218
17	321	927	530	380	796	759	539	284	548	508	380	208
18	362	758	436	383	970	899	493	300	561	381	503	193
19	352	674	384	380	1020	934	462	291	681	325	505	180
20	242	571	449	373	1080	999	437	313	836	302	418	168
21	192	485	690	365	1040	1310	413	403	628	297	415	163
22	238	430	733	364	796	1420	396	597	508	282	516	176
23	279	387	778	373	969	1470	377	1570	515	507	514	389
24	244	355	931	399	954	1500	357	1640	453	1240	438	613
25	322	332	1290	412	847	1330	420	1220	335	1250	358	592
26	327	314	1380	389	888	839	716	1220	282	734	330	433
27	307	304	1200	366	1030	668	853	1320	247	531	305	318
28	263	294	1190	353	893	611	894	666	226	406	273	269
29	241	286	1100	343	---	579	944	452	226	362	270	240
30	239	279	713	347	---	562	712	375	276	398	282	216
31	228	---	589	396	---	550	---	321	---	479	310	---
TOTAL	6320	13849	18411	14575	18273	29305	23632	20100	18280	18237	15937	8931
MEAN	204	462	594	470	653	945	788	648	609	588	514	298
MAX	362	1070	1380	843	1080	1500	1980	1640	1800	1250	891	613
MIN	93	168	260	343	352	550	357	284	226	282	270	163
CFSM	0.39	0.88	1.13	0.89	1.24	1.79	1.49	1.23	1.16	1.12	0.98	0.56
IN.	0.45	0.98	1.30	1.03	1.29	2.07	1.67	1.42	1.29	1.29	1.12	0.63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2003, BY WATER YEAR (WY)

MEAN	255	383	586	750	902	1079	667	387	294	450	225	221
MAX	773	755	1811	1502	2107	2763	2119	1176	609	3413	675	737
(WY)	1995	1998	1998	1990	1998	1998	1998	1991	2003	1994	1994	1998
MIN	91.4	160	208	277	315	430	257	94.7	47.1	62.4	66.2	73.9
(WY)	2002	1991	1989	1989	2001	2000	1986	2000	2000	1986	2000	1990

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1985 - 2003	
ANNUAL TOTAL	107871		205850			
ANNUAL MEAN	296		564		517	
HIGHEST ANNUAL MEAN					1177	1998
LOWEST ANNUAL MEAN					233	2000
HIGHEST DAILY MEAN	1380	Dec 26	1980	Apr 12	25000	Jul 7 1994
LOWEST DAILY MEAN	44	Aug 12	93	Oct 7	28	Jun 17 2000
ANNUAL SEVEN-DAY MINIMUM	48	Aug 9	109	Oct 2	33	Jun 13 2000
MAXIMUM PEAK FLOW			2010	Apr 12	29500	Jul 7 1994
MAXIMUM PEAK STAGE			10.74	Apr 12	26.56	Jul 7 1994
INSTANTANEOUS LOW FLOW			93	Oct 7	27	Jun 17 2000
ANNUAL RUNOFF (CFSM)	0.56		1.07		0.98	
ANNUAL RUNOFF (INCHES)	7.61		14.53		13.34	
10 PERCENT EXCEEDS	658		1040		1100	
50 PERCENT EXCEEDS	244		447		335	
90 PERCENT EXCEEDS	68		229		103	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 177
LATITUDE 314552 LONGITUDE 0841512 NAD27 DRAINAGE AREA 527.00 CONTRIBUTING DRAINAGE AREA 527.00* DATUM 211.74 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.98	3.42	3.80	5.96	4.74	7.04	5.15	6.94	3.98	4.04	5.76	4.16
2	2.87	3.29	3.77	6.36	4.90	8.64	5.00	8.61	3.80	4.48	5.87	3.91
3	2.75	3.18	3.75	6.41	4.81	8.02	4.83	9.21	3.80	6.17	5.73	3.78
4	2.67	3.12	3.74	6.48	4.55	7.18	4.72	7.35	4.15	7.04	6.13	4.00
5	2.60	3.11	3.73	6.17	4.45	6.86	4.68	6.45	4.33	6.72	7.28	4.58
6	2.55	3.61	3.86	5.52	4.38	6.56	4.66	5.82	4.72	6.82	7.30	5.04
7	2.52	4.51	4.00	5.18	4.59	6.27	4.77	5.26	8.27	5.75	6.68	5.15
8	2.69	4.07	4.00	4.99	4.96	6.22	6.85	4.84	10.36	6.85	6.79	4.96
9	3.36	3.77	3.90	4.86	5.06	6.41	8.94	4.50	10.00	6.92	7.08	4.46
10	3.20	3.63	3.83	4.77	5.02	6.76	9.78	4.25	8.67	5.11	6.92	4.09
11	2.96	3.90	3.86	4.69	4.82	7.11	10.32	4.08	7.53	4.48	6.02	3.84
12	2.85	5.63	4.05	4.61	4.70	7.27	10.65	4.06	6.31	4.31	5.35	3.67
13	2.78	7.24	4.84	4.52	4.54	6.06	9.79	4.31	5.76	5.90	5.26	3.55
14	2.77	7.24	6.23	4.45	4.36	5.98	7.87	4.45	6.45	7.79	5.08	3.47
15	2.93	7.01	6.09	4.40	4.23	6.11	6.32	4.32	6.68	6.93	4.76	3.47
16	3.45	6.95	5.64	4.37	4.58	6.05	5.70	4.09	5.97	6.96	4.55	3.59
17	4.15	6.77	5.14	4.38	6.28	6.16	5.34	4.03	5.64	5.40	4.64	3.52
18	4.37	6.15	4.66	4.40	6.92	6.68	5.11	4.14	5.71	4.65	5.37	3.41
19	4.24	5.81	4.40	4.38	7.07	6.80	4.97	4.08	6.35	4.30	5.39	3.31
20	3.62	5.34	4.73	4.34	7.28	7.02	4.85	4.22	7.07	4.15	4.86	3.23
21	3.29	4.91	5.88	4.30	7.14	8.21	4.75	4.78	6.07	4.12	4.85	3.18
22	3.58	4.63	6.06	4.30	6.30	8.67	4.68	5.77	5.40	4.02	5.45	3.28
23	3.84	4.42	6.24	4.34	6.92	8.83	4.59	9.66	5.45	5.35	5.44	4.68
24	3.64	4.25	6.79	4.48	6.87	8.95	4.49	9.88	5.07	8.59	4.98	6.01
25	4.07	4.13	8.15	4.54	6.50	8.31	4.88	8.51	4.36	8.60	4.50	5.89
26	4.10	4.03	8.48	4.43	6.64	6.45	6.51	8.53	4.02	6.60	4.33	4.95
27	3.99	3.98	7.78	4.31	7.13	5.79	7.15	8.87	3.79	5.54	4.17	4.25
28	3.74	3.92	7.74	4.24	6.66	5.54	7.31	6.22	3.65	4.79	3.96	3.93
29	3.62	3.87	7.37	4.19	---	5.39	7.51	5.06	3.64	4.53	3.94	3.74
30	3.61	3.83	5.97	4.21	---	5.30	6.46	4.61	3.98	4.74	4.02	3.57
31	3.54	---	5.44	4.46	---	5.24	---	4.28	---	5.22	4.20	---
MEAN	3.33	4.66	5.29	4.81	5.59	6.83	6.29	5.84	5.70	5.71	5.38	4.09
MAX	4.37	7.24	8.48	6.48	7.28	8.95	10.65	9.88	10.36	8.60	7.30	6.01
MIN	2.52	3.11	3.73	4.19	4.23	5.24	4.49	4.03	3.64	4.02	3.94	3.18

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 177
LATITUDE 314552 LONGITUDE 0841512 NAD27 DRAINAGE AREA 527.00 CONTRIBUTING DRAINAGE AREA 527.00* DATUM 211.74 NGVD29

APPROVED

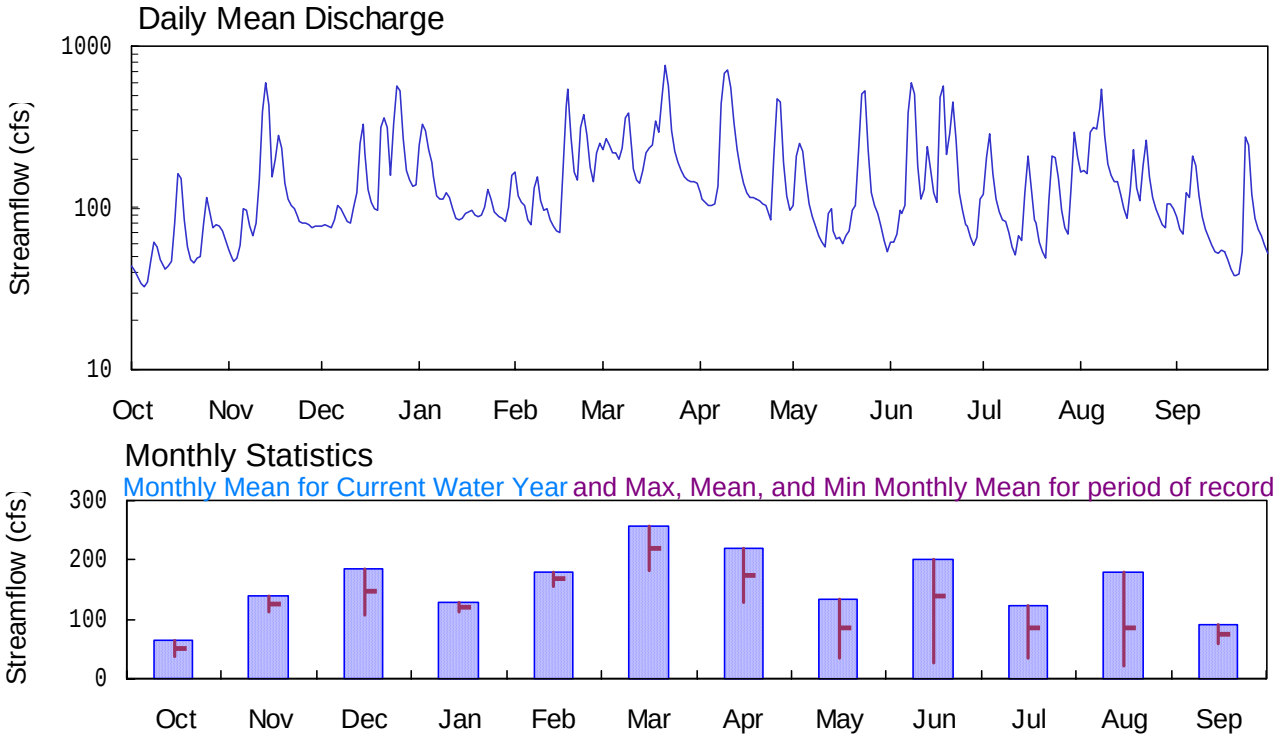
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

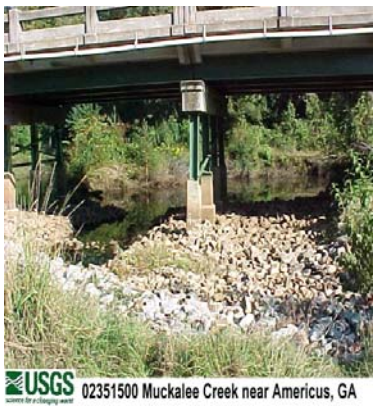
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.01	---	---	---	---	---	1.97	0.00	0.33	0.27	0.00
2	0.00	0.00	---	---	---	---	---	0.18	0.01	0.28	0.00	0.00
3	0.00	0.00	---	---	---	---	---	0.01	0.43	0.99	0.10	0.00
4	0.01	---	---	---	---	---	---	0.00	0.01	0.02	0.82	0.01
5	0.00	---	---	---	---	---	---	0.00	0.00	0.01	0.10	0.16
6	0.00	---	---	---	---	---	---	0.00	2.17	0.83	0.29	0.01
7	0.17	---	---	---	---	---	---	0.00	1.53	0.24	0.16	0.00
8	0.01	---	---	---	---	---	---	0.00	0.04	0.00	0.00	0.00
9	0.00	---	---	---	---	---	---	0.00	0.01	0.00	0.00	0.00
10	0.01	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
11	0.00	---	---	---	---	---	---	0.34	0.07	0.32	0.18	0.00
12	0.45	---	---	---	---	---	---	0.00	0.28	0.05	0.15	0.00
13	0.01	---	---	---	---	---	---	0.00	0.51	0.00	0.01	0.00
14	0.00	---	---	---	---	---	---	0.00	0.06	0.00	0.00	0.00
15	1.16	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.15	0.00
17	0.00	---	---	---	---	---	0.00	0.95	0.00	0.00	0.01	0.00
18	0.00	---	---	---	---	---	0.00	0.05	0.06	0.00	0.51	0.00
19	0.00	---	---	---	---	---	0.00	0.31	0.66	0.16	0.02	0.00
20	0.00	---	---	---	---	---	0.00	0.00	0.30	0.00	0.05	0.00
21	---	---	---	---	---	---	0.01	0.04	0.00	0.01	0.05	0.53
22	---	---	---	---	---	---	0.01	2.12	0.00	1.46	1.15	1.52
23	0.05	---	---	---	---	---	0.00	0.00	0.00	0.87	0.00	0.02
24	---	---	---	---	---	---	0.13	0.00	0.00	0.01	0.00	0.00
25	---	---	---	---	---	---	1.25	0.00	0.00	0.00	0.00	0.00
26	0.00	---	---	---	---	---	0.02	0.27	0.00	0.00	0.00	0.00
27	0.03	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
28	0.07	---	---	---	---	---	0.00	0.00	0.00	0.41	0.46	0.00
29	0.04	---	---	---	---	---	0.00	0.00	0.46	0.00	0.86	0.00
30	0.03	---	---	---	---	---	0.49	0.00	0.00	0.35	0.00	0.00
31	0.01	---	---	---	---	---	---	0.00	---	0.19	0.00	---
TOTAL	---	---	---	---	---	---	---	6.24	6.60	6.53	5.34	2.25

2003 Water Year

02351500 MUCKALEE CREEK NEAR AMERICUS, GA

Latitude: 32°04'59" Longitude: 084°15'29" Hydrologic Unit Code: 03130007 Sumter County
Drainage Area: 140.0 mi² Datum: 321.0 feet





APALACHICOLA RIVER BASIN
2003 Water Year

02351500 MUCKALEE CREEK NEAR AMERICUS, GA

LOCATION.—Lat 32°04'59", long 84°15'29" referenced to North American Datum (NAD) of 1927, Sumter County, Hydrologic Unit 03130007, on GA 30, 1.0 mile west of intersection with GA 19/38 in Americus.

DRAINAGE AREA.—140 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 31, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 321.09 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.— Records good for period from October 1, 2002 to November 11, 2002 and from February 14, 2003 to September 30, 2003; records fair from November 12, 2002 to February 11, 2003.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 31, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 321.09 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good for period from October 1, 2002 to November 11, 2002 and from February 14, 2003 to September 30, 2003; records fair from November 12, 2002 to February 11, 2003.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.48 feet, June 17; minimum gage-height recorded, 1.30 feet, October 5, 6.

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PRECIPITATION RECORDS

PERIOD OF RECORD.—May 23, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02351500 MUCKALEE CREEK NEAR AMERICUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 261
LATITUDE 320459 LONGITUDE 0841529 NAD27 DRAINAGE AREA 140.00* CONTRIBUTING DRAINAGE AREA DATUM 321.09 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	55	77	248	168	228	123	103	62	123	166	89
2	41	49	78	333	120	270	113	208	61	203	170	73
3	37	46	76	304	107	246	108	252	69	288	163	69
4	34	49	76	227	105	221	104	225	96	165	293	125
5	33	59	85	193	85	220	103	148	92	113	316	116
6	35	99	104	155	79	199	106	105	104	95	306	208
7	47	96	99	120	134	232	137	88	389	84	414	181
8	61	78	90	113	156	362	443	76	588	83	539	117
9	58	67	82	114	110	382	680	68	506	71	279	89
10	47	81	80	124	97	231	718	61	184	57	188	73
11	43	150	100	115	98	176	552	57	112	51	160	66
12	42	393	125	98	85	149	337	93	131	67	145	59
13	43	593	248	87	76	143	229	98	238	62	145	54
14	47	436	330	85	72	169	175	71	175	125	121	52
15	81	157	221	86	70	218	143	64	123	207	99	55
16	161	198	131	92	172	235	125	66	108	133	87	54
17	151	279	108	95	423	243	115	61	487	85	129	48
18	84	232	99	e96	536	344	115	68	570	81	229	42
19	58	141	97	91	273	296	113	72	216	62	133	38
20	48	112	318	88	168	483	110	97	285	54	111	38
21	46	104	362	90	149	769	105	105	451	49	183	39
22	49	98	318	102	312	566	104	226	261	111	265	53
23	50	89	157	130	375	301	96	510	124	210	155	274
24	79	82	328	112	279	223	85	531	97	202	116	245
25	117	80	565	94	178	190	216	227	79	151	99	120
26	93	80	536	90	144	169	474	123	77	96	89	86
27	75	79	270	89	220	156	451	104	66	75	78	73
28	80	76	169	86	248	148	192	91	59	69	76	67
29	76	76	147	83	---	145	120	76	65	133	105	58
30	72	77	135	101	---	146	97	63	114	295	106	53
31	63	---	139	160	---	142	---	54	---	210	99	---
TOTAL	1995	4211	5750	4001	5039	8002	6589	4191	5989	3810	5564	2714
MEAN	64.4	140	185	129	180	258	220	135	200	123	179	90.5
MAX	161	593	565	333	536	769	718	531	588	295	539	274
MIN	33	46	76	83	70	142	85	54	59	49	76	38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	50.8	126	147	121	168	220	175	85.5	139	86.5	86.6	76.2
MAX	64.4	140	185	129	180	258	220	135	200	123	179	90.5
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	37.3	112	108	113	156	181	130	35.7	28.1	35.6	22.1	59.9
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	34852.8		57855			
ANNUAL MEAN	95.5		159		121	
HIGHEST ANNUAL MEAN					159	2003
LOWEST ANNUAL MEAN					84.2	2002
HIGHEST DAILY MEAN	672	Feb 8	769	Mar 21	937	Jul 1 2001
LOWEST DAILY MEAN	9.8	Aug 13	33	Oct 5	9.8	Aug 13 2002
ANNUAL SEVEN-DAY MINIMUM	11	Aug 9	39	Oct 1	11	Aug 9 2002
MAXIMUM PEAK FLOW			871	Jun 17		
MAXIMUM PEAK STAGE			6.48	Jun 17		
INSTANTANEOUS LOW FLOW			33	Oct 5		
10 PERCENT EXCEEDS	182		318		260	
50 PERCENT EXCEEDS	71		111		88	
90 PERCENT EXCEEDS	19		57		27	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02351500 MUCKALEE CREEK NEAR AMERICUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 261
LATITUDE 320459 LONGITUDE 0841529 NAD27 DRAINAGE AREA 140.00* CONTRIBUTING DRAINAGE AREA DATUM 321.09 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.57	1.88	2.25	3.96	3.36	3.84	2.99	2.75	2.00	2.89	3.29	2.42
2	1.51	1.77	2.26	4.50	2.93	4.13	2.87	3.69	1.98	3.62	3.35	2.19
3	1.42	1.71	2.23	4.33	2.78	3.96	2.82	4.01	2.11	4.24	3.30	2.13
4	1.33	1.76	2.23	3.83	2.75	3.78	2.78	3.81	2.53	3.30	4.26	2.90
5	1.31	1.95	2.37	3.56	2.47	3.78	2.75	3.21	2.46	2.77	4.40	2.79
6	1.35	2.58	2.64	3.22	2.40	3.61	2.80	2.79	2.56	2.52	4.35	3.64
7	1.64	2.52	2.58	2.87	3.06	3.85	3.06	2.54	4.77	2.34	4.88	3.45
8	1.91	2.26	2.43	2.79	3.28	4.66	5.03	2.38	5.64	2.34	5.45	2.82
9	1.83	2.08	2.32	2.80	2.82	4.77	5.95	2.24	5.29	2.15	4.17	2.42
10	1.64	2.30	2.29	2.93	2.67	3.85	6.07	2.13	3.46	1.92	3.52	2.19
11	1.56	3.16	2.59	2.82	2.69	3.44	5.49	2.05	2.76	1.81	3.26	2.08
12	1.53	4.78	2.91	2.59	2.50	3.22	4.52	2.62	2.88	2.09	3.13	1.95
13	1.56	5.66	3.91	2.43	2.38	3.18	3.84	2.69	3.90	2.01	3.12	1.86
14	1.63	4.97	4.49	2.40	2.31	3.38	3.43	2.30	3.40	2.83	2.87	1.82
15	2.22	3.23	3.76	2.41	2.28	3.76	3.17	2.19	2.89	3.67	2.57	1.89
16	3.27	3.55	2.98	2.52	3.24	3.89	3.01	2.21	2.70	2.98	2.39	1.86
17	3.16	4.18	2.70	2.56	4.96	3.94	2.90	2.12	4.92	2.36	2.90	1.75
18	2.30	3.86	2.57	---	5.44	4.56	2.91	2.23	5.53	2.31	3.83	1.62
19	1.89	3.08	2.54	2.50	4.11	4.28	2.88	2.27	3.72	2.00	3.00	1.53
20	1.74	2.76	4.37	2.47	3.38	5.17	2.85	2.62	4.20	1.86	2.74	1.53
21	1.70	2.64	4.67	2.50	3.22	6.21	2.78	2.71	5.08	1.76	3.37	1.55
22	1.77	2.56	4.39	2.67	4.32	5.54	2.78	3.64	3.98	2.41	4.07	1.83
23	1.78	2.43	3.24	3.02	4.73	4.31	2.67	5.34	2.90	3.69	3.21	4.12
24	2.26	2.33	4.26	2.82	4.17	3.80	2.50	5.42	2.55	3.64	2.80	3.95
25	2.82	2.29	5.56	2.58	3.46	3.55	3.64	3.77	2.27	3.17	2.57	2.84
26	2.49	2.30	5.44	2.52	3.18	3.39	5.19	2.89	2.24	2.52	2.43	2.37
27	2.22	2.28	4.08	2.50	3.77	3.28	5.07	2.64	2.07	2.21	2.26	2.18
28	2.28	2.23	3.35	2.46	3.98	3.22	3.56	2.46	1.95	2.12	2.22	2.08
29	2.23	2.24	3.15	2.42	---	3.19	2.95	2.23	2.06	2.97	2.66	1.94
30	2.17	2.25	3.03	2.67	---	3.20	2.68	2.02	2.77	4.28	2.66	1.83
31	2.01	---	3.06	3.30	---	3.16	---	1.85	---	3.69	2.57	---
MEAN	1.94	2.79	3.25	---	3.31	3.93	3.53	2.83	3.25	2.72	3.28	2.32
MAX	3.27	5.66	5.56	---	5.44	6.21	6.07	5.42	5.64	4.28	5.45	4.12
MIN	1.31	1.71	2.23	---	2.28	3.16	2.50	1.85	1.95	1.76	2.22	1.53

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02351500 MUCKALEE CREEK NEAR AMERICUS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 261
LATITUDE 320459 LONGITUDE 0841529 NAD27 DRAINAGE AREA 140.00* CONTRIBUTING DRAINAGE AREA DATUM 321.09 NGVD29

APPROVED

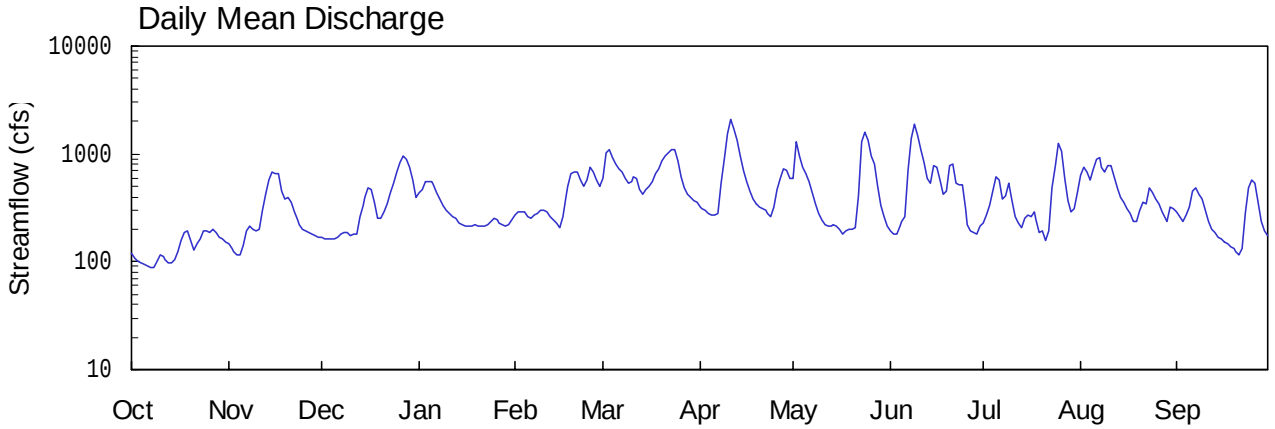
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

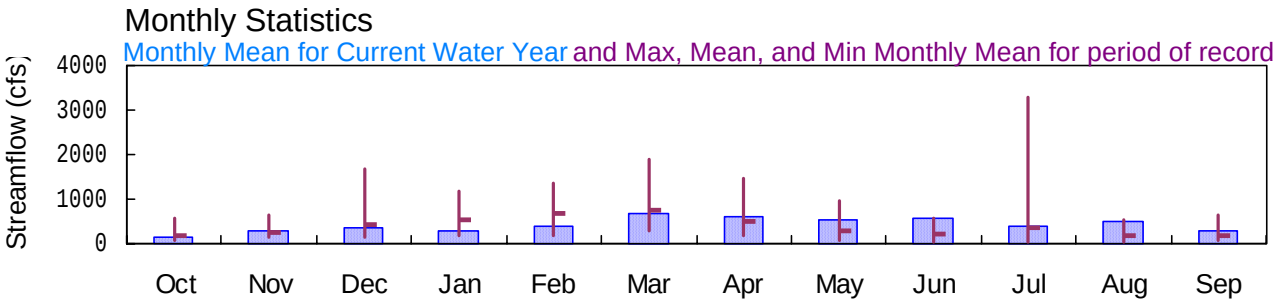
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	---	---	---	---	---	---	0.01	0.58	0.21	0.01
2	0.00	---	---	---	---	---	---	---	0.00	0.01	0.15	0.01
3	0.00	---	---	---	---	---	---	---	0.51	0.03	0.30	0.11
4	0.00	---	---	---	---	---	---	---	0.01	0.67	0.30	0.06
5	0.00	---	---	---	---	---	---	---	0.03	0.02	0.07	0.76
6	0.00	---	---	---	---	---	---	---	2.03	0.00	0.11	0.01
7	---	---	---	---	---	---	---	---	1.32	0.04	1.19	0.00
8	---	---	---	---	---	---	---	---	0.16	0.01	0.39	0.01
9	---	---	---	---	---	---	---	---	0.00	0.00	0.08	0.00
10	---	---	---	---	---	---	---	---	0.01	0.00	0.01	0.00
11	---	---	---	---	---	---	---	---	0.06	0.55	0.01	0.00
12	---	---	---	---	---	---	---	---	1.76	0.01	0.33	0.00
13	---	---	---	---	---	---	---	---	0.25	0.11	0.02	0.00
14	---	---	---	---	---	---	---	---	0.05	0.27	0.01	0.00
15	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	---	---	0.53	0.00	0.01	0.00
17	---	---	---	---	---	---	---	---	0.11	0.04	0.01	0.00
18	---	---	---	---	---	---	---	---	0.01	0.00	0.00	0.00
19	---	---	---	---	---	---	---	---	0.04	0.00	0.01	0.00
20	---	---	---	---	---	---	---	0.00	0.01	0.00	0.22	0.00
21	---	---	---	---	---	---	---	0.41	0.00	0.00	0.86	0.33
22	---	---	---	---	---	---	---	2.41	0.00	3.06	0.31	1.64
23	---	---	---	---	---	---	---	0.01	0.00	1.06	0.00	0.11
24	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.01
25	---	---	---	---	---	---	---	0.00	0.01	0.00	0.24	0.00
26	---	---	---	---	---	---	---	0.05	0.00	0.00	0.00	0.00
27	---	---	---	---	---	---	---	0.02	0.02	0.00	0.00	0.00
28	---	---	---	---	---	---	---	0.00	0.01	0.53	0.51	0.00
29	---	---	---	---	---	---	---	0.01	0.10	0.29	0.26	0.00
30	---	---	---	---	---	---	---	0.00	0.00	0.89	0.58	0.00
31	---	---	---	---	---	---	---	0.44	---	0.69	0.13	---
TOTAL	---	---	---	---	---	---	---	---	7.04	8.86	6.32	3.06

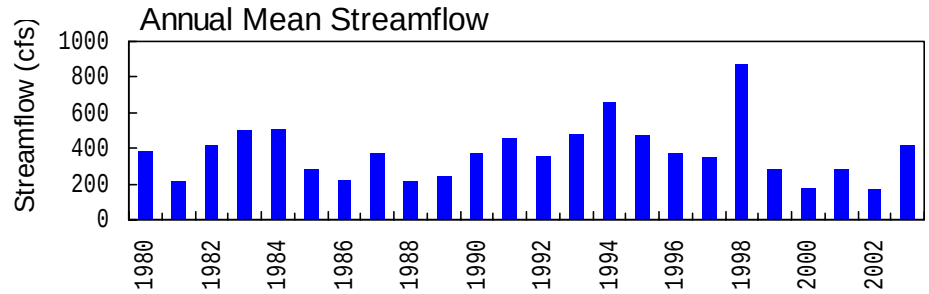
2003 Water Year

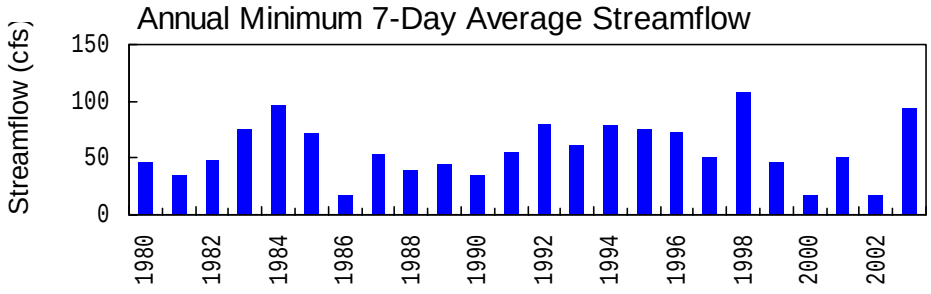
02351890 MUCKALEE CREEK AT GA 195, NEAR LEESBURG, GA

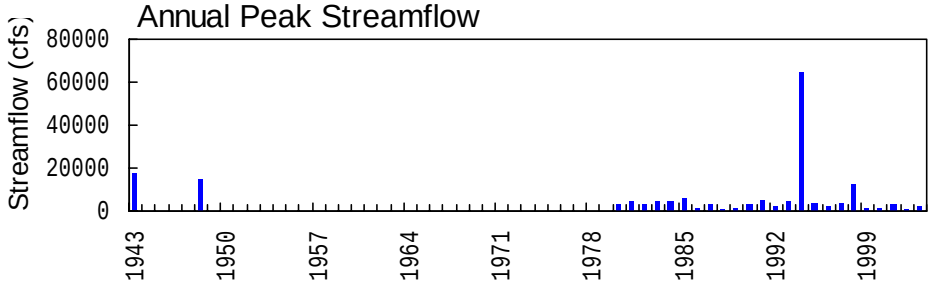
Latitude: 31°46'34" Longitude: 084°08'22" Hydrologic Unit Code: 03130007 Lee County
Drainage Area: 362.0 mi² Datum: 220 feet











APALACHICOLA RIVER BASIN
2003 Water Year

02351890 MUCKALEE CREEK AT GA 195, NEAR LEESBURG, GA

LOCATION.—Lat 31°46'34", long 84°08'22" referenced to North American Datum (NAD) of 1927, Lee County, Hydrologic Unit 03130007, on downstream end of bridge pier on GA 195, 75 feet downstream from White Oak Branch, 3.3 miles downstream from Muckaloochee Creek, and 4.0 miles northeast of Leesburg.

DRAINAGE AREA.—362 square miles.

COOPERATION.—Georgia Geologic Survey; Georgia Power Corporation.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—December 1979 to current year.

REVISED RECORDS.—WRD GA-82-1: 1980(P), 1981(P).

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 220.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for the period of estimated discharge, which is fair. Discharges during growing season affected by undetermined amount of irrigation withdrawal.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,200 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/02	2200	1,240	10.18
04/11	0645	2,200*	11.54*
05/02	0945	1,390	10.49
06/09	0400	1,960	11.29
07/25	1645	1,340	10.38

WATER-STAGE RECORDS

PERIOD OF RECORD.—December 1979 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Elevation of gage is 220.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.54 feet, April 11; minimum gage-height recorded, 3.08 feet, October 7, 8.

02351890 MUCKALEE CREEK AT GA 195, NEAR LEESBURG, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—February 13, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02351890 MUCKALEE CREEK AT GA 195, NEAR LEESBURG, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 177
LATITUDE 314634 LONGITUDE 0840822 NAD27 DRAINAGE AREA 362.00 CONTRIBUTING DRAINAGE AREA 362.00* DATUM 220 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	145	166	437	270	588	324	584	191	225	641	289
2	110	133	164	466	287	1040	310	1290	180	272	753	262
3	102	123	163	558	295	1110	296	948	180	334	683	235
4	97	117	162	562	287	920	282	745	215	459	572	275
5	93	117	164	563	263	797	274	650	233	622	724	326
6	90	143	169	522	249	728	273	555	266	570	893	445
7	88	192	178	435	275	683	276	432	704	384	910	485
8	88	216	187	377	282	591	527	343	1390	410	748	420
9	102	198	186	330	297	537	906	284	1860	533	683	383
10	115	190	177	299	303	559	1540	244	1470	373	787	300
11	111	197	179	281	288	620	2120	219	1100	267	775	233
12	103	301	183	264	258	600	1720	217	843	230	618	199
13	98	416	259	251	243	474	1330	216	590	209	479	185
14	98	577	332	233	225	418	958	224	542	252	395	168
15	105	687	391	218	210	463	692	216	786	267	354	161
16	124	662	484	212	267	500	545	201	748	261	306	154
17	157	647	462	214	411	559	447	183	581	294	279	149
18	185	446	359	217	492	663	379	192	428	244	237	138
19	193	381	258	218	655	734	343	202	446	189	234	131
20	158	393	257	216	674	870	326	203	785	195	e297	124
21	130	360	292	214	684	965	313	204	810	159	e358	116
22	148	292	343	214	582	1020	302	413	528	194	e348	135
23	165	242	434	218	502	1100	280	1310	514	492	e491	284
24	193	218	541	235	574	1090	263	1570	513	763	e433	487
25	193	202	681	251	759	856	318	1330	311	1240	e379	581
26	185	190	821	246	674	614	472	965	223	1040	342	528
27	197	183	943	230	580	483	599	816	192	588	291	357
28	186	178	881	219	508	429	722	503	189	365	254	236
29	166	174	761	215	---	397	711	338	179	286	238	195
30	161	170	569	219	---	374	583	258	212	311	321	173
31	154	---	401	247	---	354	---	217	---	433	306	---
TOTAL	4217	8490	11547	9381	11394	21136	18431	16072	17209	12461	15129	8154
MEAN	136	283	372	303	407	682	614	518	574	402	488	272
MAX	197	687	943	563	759	1110	2120	1570	1860	1240	910	581
MIN	88	117	162	212	210	354	263	183	179	159	234	116
CFSM	0.38	0.78	1.03	0.84	1.12	1.88	1.70	1.43	1.58	1.11	1.35	0.75
IN.	0.43	0.87	1.19	0.96	1.17	2.17	1.89	1.65	1.77	1.28	1.55	0.84

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2003, BY WATER YEAR (WY)

MEAN	175	264	421	548	691	744	487	298	223	346	195	165
MAX	566	629	1667	1194	1360	1906	1450	957	574	3296	552	644
(WY)	1995	1998	1998	1998	1998	1998	1998	1991	2003	1994	1984	1998
MIN	78.8	129	145	183	196	281	169	65.8	33.3	35.1	40.9	57.7
(WY)	2001	1991	1989	1989	1989	1989	1986	2000	2000	1986	2002	1990

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1980 - 2003	
ANNUAL TOTAL	70311		153621			
ANNUAL MEAN	193		421		379	
HIGHEST ANNUAL MEAN					876	1998
LOWEST ANNUAL MEAN					165	2002
HIGHEST DAILY MEAN	943	Dec 27	2120	Apr 11	36000	Jul 7 1994
LOWEST DAILY MEAN	13	Aug 13	88	Oct 7	12	Jul 20 1986
ANNUAL SEVEN-DAY MINIMUM	17	Aug 10	94	Oct 3	16	Jul 15 1986
MAXIMUM PEAK FLOW			2200	Apr 11	64400	Jul 6 1994
MAXIMUM PEAK STAGE			11.54	Apr 11	29.10	Jul 6 1994
INSTANTANEOUS LOW FLOW			87	Oct 7	11	Aug 14 2002
ANNUAL RUNOFF (CFSM)	0.53		1.16		1.05	
ANNUAL RUNOFF (INCHES)	7.23		15.79		14.24	
10 PERCENT EXCEEDS	401		791		785	
50 PERCENT EXCEEDS	162		303		228	
90 PERCENT EXCEEDS	40		161		81	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02351890 MUCKALEE CREEK AT GA 195, NEAR LEESBURG, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 177
LATITUDE 314634 LONGITUDE 0840822 NAD27 DRAINAGE AREA 362.00 CONTRIBUTING DRAINAGE AREA 362.00* DATUM 220 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.61	3.98	4.24	6.62	5.31	7.47	5.79	7.40	4.53	4.91	7.75	5.65
2	3.44	3.83	4.22	6.81	5.46	9.55	5.66	10.28	4.40	5.33	8.35	5.40
3	3.32	3.70	4.20	7.32	5.53	9.87	5.54	9.27	4.41	5.86	7.97	5.14
4	3.24	3.62	4.18	7.35	5.46	9.18	5.42	8.30	4.81	6.74	7.40	5.52
5	3.18	3.62	4.22	7.35	5.25	8.58	5.35	7.79	4.98	7.65	8.18	5.98
6	3.13	3.95	4.28	7.13	5.13	8.21	5.34	7.30	5.27	7.38	9.05	6.86
7	3.10	4.55	4.39	6.60	5.36	7.96	5.37	6.58	8.07	6.24	9.13	7.15
8	3.10	4.82	4.49	6.19	5.42	7.50	7.11	5.93	10.41	6.41	8.35	6.72
9	3.32	4.61	4.47	5.83	5.55	7.21	9.06	5.44	11.18	7.18	8.02	6.44
10	3.51	4.52	4.37	5.57	5.61	7.33	10.70	5.08	10.61	6.16	8.58	5.74
11	3.46	4.61	4.40	5.41	5.47	7.64	11.46	4.85	9.83	5.28	8.54	5.13
12	3.33	5.57	4.44	5.26	5.21	7.54	11.01	4.83	8.79	4.95	7.76	4.76
13	3.26	6.47	5.20	5.15	5.07	6.85	10.37	4.82	7.48	4.74	7.01	4.61
14	3.26	7.41	5.85	4.98	4.91	6.49	9.31	4.90	7.23	5.15	6.46	4.40
15	3.37	7.98	6.30	4.84	4.75	6.78	8.02	4.82	8.52	5.29	6.17	4.32
16	3.67	7.84	6.91	4.77	5.26	7.01	7.25	4.65	8.32	5.23	5.78	4.23
17	4.12	7.77	6.78	4.79	6.44	7.33	6.68	4.44	7.43	5.52	5.54	4.17
18	4.47	6.65	6.05	4.82	6.95	7.85	6.21	4.55	6.56	5.08	5.17	4.04
19	4.56	6.23	5.20	4.84	7.81	8.24	5.93	4.66	6.66	4.51	5.13	3.95
20	4.13	6.31	5.19	4.81	7.90	8.94	5.80	4.67	8.50	4.58	---	3.85
21	3.80	6.06	5.51	4.79	7.96	9.39	5.69	4.68	8.63	4.16	---	3.75
22	4.02	5.50	5.93	4.79	7.45	9.60	5.59	6.21	7.16	4.49	---	3.99
23	4.23	5.06	6.60	4.84	7.02	9.84	5.40	10.28	7.09	6.94	---	5.59
24	4.55	4.84	7.22	5.00	7.40	9.81	5.25	10.79	7.07	8.38	---	7.15
25	4.56	4.65	7.95	5.15	8.38	8.86	5.71	10.35	5.65	10.16	---	7.71
26	4.47	4.52	8.70	5.10	7.92	7.61	6.84	9.37	4.88	9.57	6.11	7.41
27	4.61	4.45	9.29	4.96	7.44	6.91	7.53	8.67	4.55	7.47	5.66	6.21
28	4.47	4.38	8.99	4.84	7.05	6.57	8.18	6.99	4.51	6.10	5.32	5.15
29	4.24	4.33	8.39	4.81	---	6.34	8.12	5.89	4.40	5.46	5.17	4.72
30	4.18	4.28	7.37	4.85	---	6.17	7.44	5.21	4.77	5.67	5.94	4.46
31	4.09	---	6.37	5.11	---	6.02	---	4.82	---	6.58	5.80	---
MEAN	3.80	5.20	5.86	5.51	6.23	7.89	7.10	6.57	6.89	6.10	---	5.34
MAX	4.61	7.98	9.29	7.35	8.38	9.87	11.46	10.79	11.18	10.16	---	7.71
MIN	3.10	3.62	4.18	4.77	4.75	6.02	5.25	4.44	4.40	4.16	---	3.75

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02351890 MUCKALEE CREEK AT GA 195, NEAR LEESBURG, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 177
LATITUDE 314634 LONGITUDE 0840822 NAD27 DRAINAGE AREA 362.00 CONTRIBUTING DRAINAGE AREA 362.00* DATUM 220 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

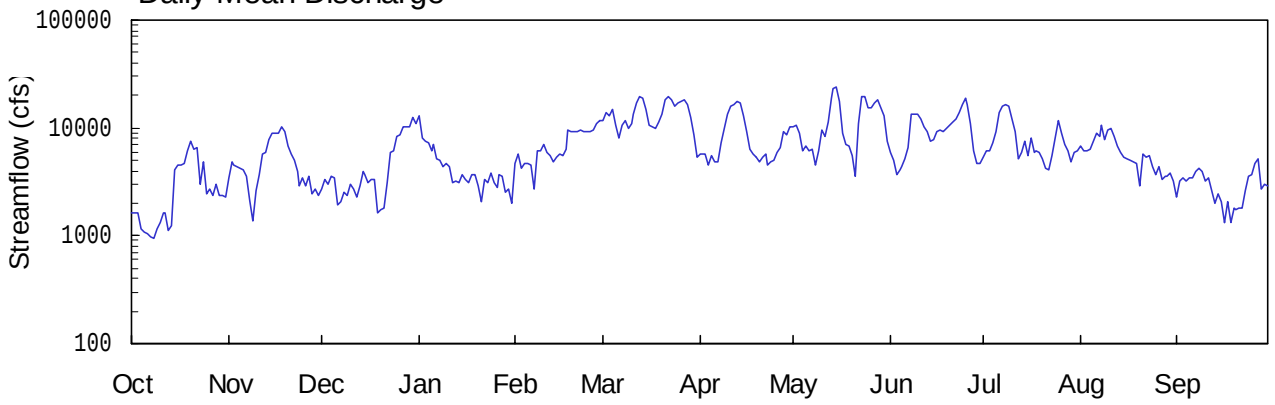
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.12	0.00	1.26	0.00	0.19	0.00	0.52	---	---
2	0.00	0.00	0.00	0.06	0.00	0.01	0.00	0.18	0.00	0.22	---	---
3	0.00	0.00	0.00	0.01	0.00	0.17	0.00	0.02	0.24	0.15	---	---
4	0.01	0.14	0.02	0.00	0.20	0.19	0.00	0.00	0.00	0.32	---	---
5	0.00	0.37	0.36	0.00	0.00	0.01	0.06	0.00	0.00	0.01	---	---
6	0.00	0.06	0.00	0.00	0.54	0.01	0.00	0.00	1.10	0.46	---	---
7	0.12	0.00	0.00	0.00	0.06	0.34	1.01	0.00	1.93	1.90	---	---
8	0.00	0.00	0.00	0.00	0.00	0.06	1.26	0.00	0.17	0.01	---	---
9	0.00	0.02	0.00	0.00	0.01	0.05	0.85	0.00	0.01	0.00	---	---
10	0.00	0.57	0.19	0.00	0.08	0.00	0.13	0.00	0.00	0.00	---	---
11	0.00	0.80	0.02	0.00	0.00	0.00	0.00	0.59	0.02	0.06	---	---
12	0.00	1.03	0.05	0.00	0.00	0.00	0.00	0.01	0.03	---	---	---
13	0.09	0.01	1.39	0.00	0.00	0.33	0.00	0.00	0.55	---	---	---
14	0.07	0.00	0.00	0.00	0.00	0.16	0.00	0.01	0.62	---	---	---
15	0.77	0.00	0.00	0.00	0.00	0.29	0.00	0.03	0.00	---	---	---
16	0.01	0.33	0.00	0.12	2.05	0.06	0.00	0.00	0.00	---	---	---
17	0.00	0.14	0.00	0.00	0.04	0.75	0.00	0.21	0.00	---	---	---
18	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.78	0.05	---	---	---
19	0.00	0.00	0.22	0.00	0.00	0.21	0.00	0.00	1.32	---	---	---
20	0.00	0.00	0.28	0.00	0.00	1.53	0.00	0.00	0.09	---	---	---
21	0.84	0.00	0.00	0.00	0.04	0.00	0.02	0.00	0.00	---	---	---
22	0.01	0.00	0.00	0.00	0.63	0.00	0.01	4.15	0.00	1.64	---	---
23	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	---	---
24	---	0.00	1.85	0.00	0.00	0.00	0.06	0.00	0.00	0.01	---	---
25	---	0.00	0.00	0.00	0.00	0.01	1.25	0.00	0.00	0.00	---	---
26	0.01	0.00	0.00	0.00	0.49	0.00	0.04	0.05	0.00	---	---	---
27	0.07	0.00	0.00	0.00	0.53	0.00	0.00	0.00	0.00	---	---	---
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
29	0.13	0.00	0.00	0.00	---	0.00	0.00	0.00	0.22	---	---	---
30	0.02	0.00	0.00	0.39	---	0.15	0.61	0.00	0.03	---	---	---
31	0.00	---	1.02	0.00	---	0.00	---	0.00	---	---	---	---
TOTAL	---	3.47	5.40	0.70	4.67	5.61	5.30	6.22	6.38	---	---	---

2003 Water Year

02352500 FLINT RIVER AT ALBANY, GA

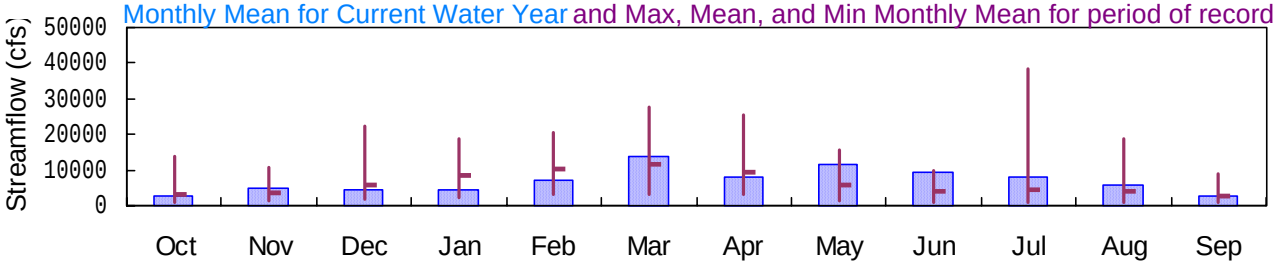
Latitude: 31°35'39" Longitude: 084°08'39" Hydrologic Unit Code: 03130008 Dougherty County
Drainage Area: 5310. mi² Datum: 150.0 feet

Daily Mean Discharge

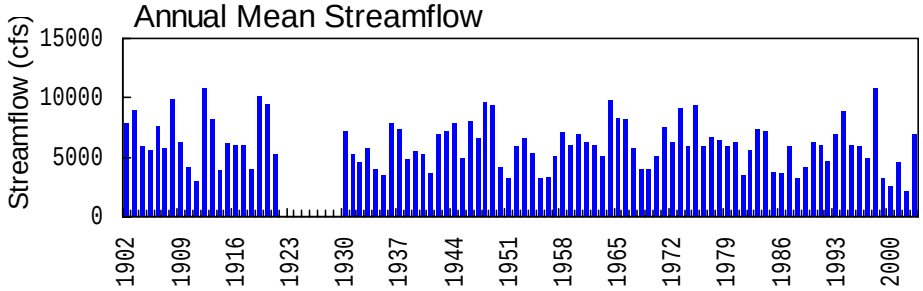


Monthly Statistics

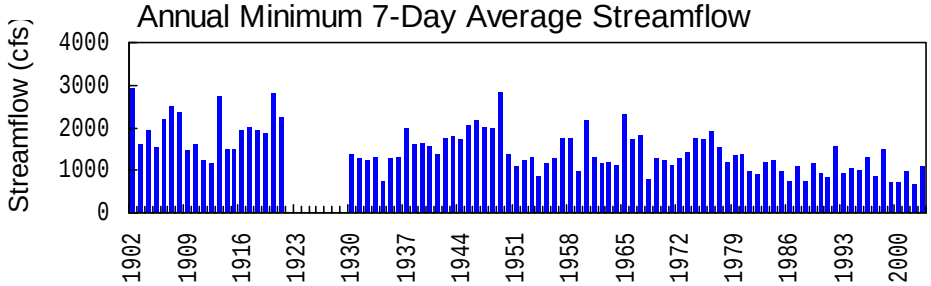
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



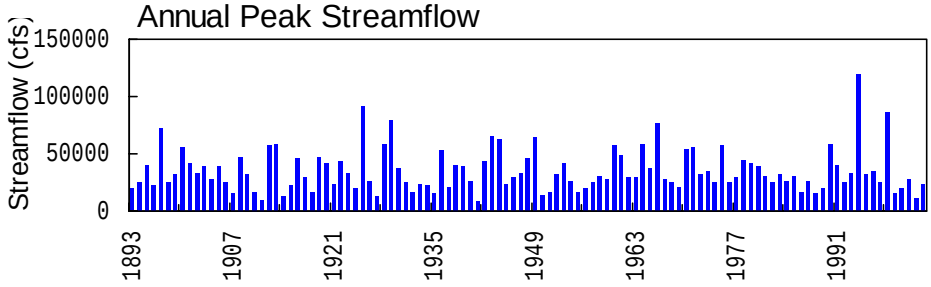
Annual Mean Streamflow

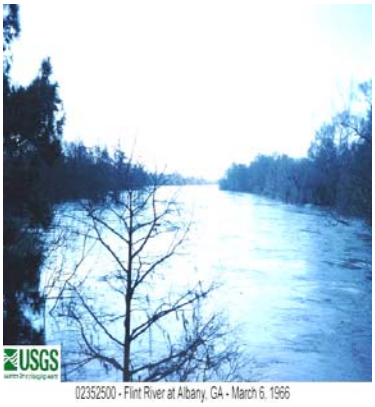


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





APALACHICOLA RIVER BASIN
2003 Water Year

02352500 FLINT RIVER AT ALBANY, GA

LOCATION.—Lat 31°35'39", long 84°08'39" referenced to North American Datum (NAD) of 1927, Dougherty County, Hydrologic Unit 03130008, on right bank at downstream side of Georgia Northern Railway bridge in Albany, 0.5 miles downstream from Muckafoonee Creek, and at mile 103.4.

DRAINAGE AREA.—5,310 square miles, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—February 1897 to September 1901 (gage-height only), October 1901 to June 1921, October 1929 to current year. Gage-height records collected at site 1.0 mile downstream since 1893 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 1504: 1902, 1913(M), 1916-17, 1919- 21, 1930(m), 1934(m), drainage area; WDR GA-95-1:1994.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 150.03 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to January 1, 1902, a non-recording gage was located at site 1.0 mile downstream at datum 1.3 feet lower. From January 1, 1902 to June 30, 1921, a non-recording gage was located at site 1.0 mile downstream at datum 2.0 feet lower.

REMARKS.—Records good. Flow regulated by power plants at Flint River Reservoir since 1921 with a capacity of 7,500 acre-feet; and at Warwick Reservoir since 1930 with a capacity of about 35,000 acre-feet. Normal operation of power plants does not materially affect figures of monthly runoff.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of January 21, 1925 reached a stage of 37.84 feet, from flood marks, present site and datum, discharge, 92,000 cfs.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 20,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
05/15	1345	24,300*	18.20*
05/24	0345	21,200	15.97

02352500 FLINT RIVER AT ALBANY, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—February 1897 to September 1901 (gage-height only), October 1901 to June 1921, October 1929 to current year. Gage-height records collected at site 1.0 mile downstream since 1893 are contained in reports of National Weather Service.

GAGE.—Phone telemetry with a water-stage recorder. Datum of gage is 150.03 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to January 1, 1902, a non-recording gage was located at site 1.0 mile downstream at datum 1.3 feet lower. From January 1, 1902 to June 30, 1921, a non-recording gage was located at site 1.0 mile downstream at datum 2.0 feet lower.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 18.20 feet, May 15; minimum gage-height recorded, 1.13 feet, October 9.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02352500 FLINT RIVER AT ALBANY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 095
LATITUDE 313539 LONGITUDE 0840839 NAD27 DRAINAGE AREA 5310.00* CONTRIBUTING DRAINAGE AREA DATUM 150.03 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1630	3490	2680	12900	4740	11800	5750	10200	5950	5310	6810	2310
2	1630	4840	3330	8040	5660	14000	5740	10700	5030	6200	6200	3250
3	1620	4510	3060	7440	4290	13000	5670	9060	3690	6100	6080	3450
4	1170	4370	3540	7310	4630	15000	4470	6200	4020	7310	6310	3260
5	1070	4220	3440	6220	4620	10600	5610	6850	4320	9120	7610	3420
6	1030	4090	1940	6970	4520	7970	4800	6080	5250	13800	8910	3400
7	975	3570	2100	5240	2700	10700	4920	6260	6480	16000	8360	3890
8	948	2110	2540	4990	6120	11900	7280	4500	13400	16600	10400	4190
9	1150	1390	2360	4320	6070	10000	10000	6150	13600	15800	7700	3970
10	1350	2620	3050	4630	6940	10900	13300	9710	13300	12300	9640	3230
11	1610	3690	2720	4370	5990	13300	16000	8340	12200	9320	9920	3420
12	1610	5740	2320	3110	5630	16800	16600	11100	10300	5200	8200	2580
13	1140	5990	2930	3230	4790	19500	17600	19000	9320	5840	6850	1970
14	1220	7860	3940	3100	5280	18900	17100	22900	7480	7500	6020	2420
15	4150	8940	3640	3740	5670	14700	13000	23800	7850	5620	5300	2070
16	4590	8990	3090	3330	5590	10700	9150	17400	9300	7980	5220	1310
17	4550	8960	3330	3160	6420	10100	6310	8860	9650	5900	4960	2060
18	4730	10300	3280	3680	9410	9810	5820	6960	9090	6180	4920	1320
19	6040	9250	1650	3720	9290	11300	5290	6740	9750	5970	4700	1810
20	7560	6750	1730	2890	9200	13600	4880	5470	10700	5200	2950	1740
21	6270	5750	1780	2040	9340	18300	5350	3540	11300	4170	5820	1780
22	6560	5000	3080	3330	9460	19500	5690	10900	12000	4060	5300	1800
23	2980	3910	5940	3160	9360	18000	4530	19300	13900	5540	5500	2600
24	4830	2920	6170	3850	e9230	16000	4810	19200	16500	7940	4330	3530
25	2490	3490	8380	3070	9090	16900	4990	15300	18600	11600	3630	3650
26	2670	2950	8660	2800	9470	17800	5900	15400	16600	8960	4380	4630
27	2380	3580	10200	3630	11000	18200	6570	17300	10900	6960	3330	5260
28	3040	2440	10300	3520	11900	16400	9200	18400	6130	6180	3500	2710
29	2370	2740	10300	2540	---	12400	8530	15500	4650	4800	3580	2990
30	2390	2360	12600	2740	---	8630	10300	12800	4700	5950	3860	2900
31	2290	---	10800	1980	---	5310	---	7410	---	6140	3190	---
TOTAL	88043	146820	144880	135050	196410	422020	245160	361330	285960	245550	183480	86920
MEAN	2840	4894	4674	4356	7015	13610	8172	11660	9532	7921	5919	2897
MAX	7560	10300	12600	12900	11900	19500	17600	23800	18600	16600	10400	5260
MIN	948	1390	1650	1980	2700	5310	4470	3540	3690	4060	2950	1310
CFSM	0.53	0.92	0.88	0.82	1.32	2.56	1.54	2.20	1.80	1.49	1.11	0.55
IN.	0.62	1.03	1.01	0.95	1.38	2.96	1.72	2.53	2.00	1.72	1.29	0.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 2003, BY WATER YEAR (WY)

MEAN	3068	3416	6019	8301	10340	11790	9300	5629	4008	4675	4003	2797
MAX	13970	10520	22210	18590	20680	27490	25500	15410	9722	38480	18950	8709
(WY)	1930	1931	1949	1964	1908	1998	1944	1920	1973	1994	1919	1903
MIN	1099	1374	1993	2306	3252	3053	2984	1408	814	814	861	986
(WY)	2001	2002	1989	1956	1989	1911	1986	2000	2000	1986	2002	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1902 - 2003	
ANNUAL TOTAL	1040249		2541623			
ANNUAL MEAN	2850		6963		6107	
HIGHEST ANNUAL MEAN					10910	1912
LOWEST ANNUAL MEAN					2204	2002
HIGHEST DAILY MEAN	12600	Dec 30	23800	May 15	119000	Jul 10 1994
LOWEST DAILY MEAN	611	Aug 23	948	Oct 8	327	Aug 24 1930
ANNUAL SEVEN-DAY MINIMUM	656	Aug 18	1100	Oct 4	656	Aug 18 2002
MAXIMUM PEAK FLOW			24300	May 15	120000	Jul 11 1994
MAXIMUM PEAK STAGE			18.20	May 15	43.00	Jul 11 1994
INSTANTANEOUS LOW FLOW			450	Oct 9		
ANNUAL RUNOFF (CFSM)	0.54		1.31		1.15	
ANNUAL RUNOFF (INCHES)	7.29		17.81		15.63	
10 PERCENT EXCEEDS	5900		13800		13100	
50 PERCENT EXCEEDS	2360		5690		4090	
90 PERCENT EXCEEDS	778		2360		1680	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02352500 FLINT RIVER AT ALBANY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 095
LATITUDE 313539 LONGITUDE 0840839 NAD27 DRAINAGE AREA 5310.00* CONTRIBUTING DRAINAGE AREA DATUM 150.03 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

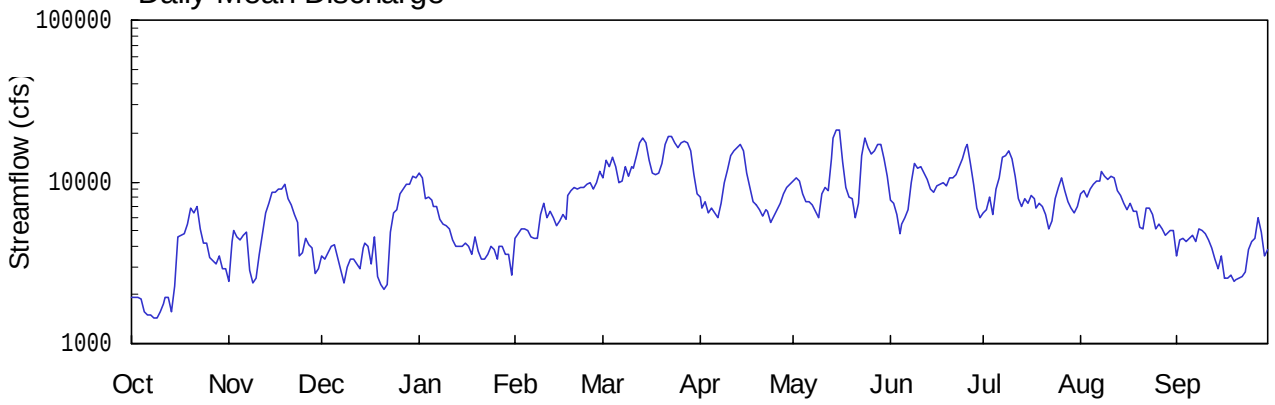
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.76	4.42	3.85	9.95	5.17	9.37	5.89	8.37	6.01	5.63	6.49	3.57
2	2.76	5.32	4.38	7.19	5.83	10.74	5.91	8.65	5.43	6.06	6.14	4.22
3	2.76	5.13	4.13	6.87	5.03	10.06	5.87	7.78	4.58	6.08	6.06	4.33
4	2.28	5.06	4.54	6.78	5.22	11.38	5.13	6.18	4.81	6.76	6.19	4.24
5	2.19	4.95	4.48	6.16	5.22	8.62	5.84	6.57	5.00	7.81	6.94	4.40
6	2.15	4.86	3.22	6.60	5.16	7.13	5.35	6.12	5.59	10.63	7.68	4.36
7	2.08	4.32	3.33	5.59	3.83	8.66	5.41	6.22	6.20	12.10	7.39	4.77
8	2.04	3.39	3.72	5.45	6.11	9.42	6.80	5.16	10.31	12.59	8.51	4.95
9	2.26	2.68	3.59	5.04	6.07	8.32	8.30	6.15	10.47	11.94	7.03	4.77
10	2.49	3.76	4.19	5.23	6.58	8.77	10.20	8.13	10.16	9.66	8.09	4.26
11	2.74	4.53	3.89	5.07	6.03	10.25	12.08	7.39	9.54	7.92	8.24	4.39
12	2.75	5.88	3.51	4.21	5.82	12.73	12.53	9.03	8.46	5.52	7.31	3.76
13	2.25	6.01	4.09	4.27	5.33	14.75	13.28	14.38	7.91	5.94	6.51	3.25
14	2.35	7.10	4.81	4.19	5.62	14.29	12.95	17.23	6.86	6.90	6.02	3.71
15	4.81	7.71	4.62	4.67	5.84	11.18	10.14	17.82	7.09	5.82	5.61	3.36
16	5.19	7.73	4.20	4.37	5.78	8.70	7.81	13.23	7.90	7.20	5.53	2.53
17	5.16	7.72	4.29	4.22	6.25	8.34	6.24	7.66	8.09	5.97	5.42	3.33
18	5.27	8.44	4.18	4.56	7.96	8.17	5.97	6.61	7.79	6.14	5.39	2.58
19	6.09	7.88	2.98	4.65	7.89	9.01	5.66	6.46	8.15	6.01	5.21	3.12
20	6.98	6.46	3.05	4.02	7.85	10.50	5.40	5.72	8.67	5.57	4.06	3.08
21	6.21	5.85	3.11	3.30	7.92	13.85	5.69	4.46	9.02	4.79	5.91	3.12
22	6.38	5.45	4.09	4.38	7.99	14.74	5.89	8.86	9.43	4.81	5.61	3.14
23	3.96	4.47	5.99	4.21	7.94	13.59	5.18	14.56	10.56	5.76	5.72	3.83
24	5.37	4.02	6.16	4.75	---	12.12	5.35	14.50	12.44	7.12	5.03	4.55
25	3.71	4.32	7.41	4.13	7.77	12.77	5.47	11.59	14.06	9.23	4.54	4.63
26	3.74	3.95	7.56	3.77	7.99	13.49	6.01	11.67	12.54	7.71	5.01	5.23
27	3.52	4.45	8.39	4.49	8.86	13.79	6.41	13.06	8.77	6.60	4.27	5.63
28	4.12	3.56	8.43	4.49	9.39	12.36	7.85	13.94	6.04	6.12	4.39	3.87
29	3.51	3.92	8.46	3.74	---	9.73	7.49	11.77	5.16	5.31	4.47	4.16
30	3.55	3.47	9.79	3.90	---	7.54	8.43	9.96	5.19	5.99	4.69	4.10
31	3.38	---	8.72	3.20	---	5.60	---	6.83	---	6.09	4.18	---
MEAN	3.70	5.23	5.07	4.95	---	10.64	7.35	9.55	8.07	7.15	5.92	3.97
MAX	6.98	8.44	9.79	9.95	---	14.75	13.28	17.82	14.06	12.59	8.51	5.63
MIN	2.04	2.68	2.98	3.20	---	5.60	5.13	4.46	4.58	4.79	4.06	2.53

2003 Water Year

02353000 FLINT RIVER AT NEWTON, GA

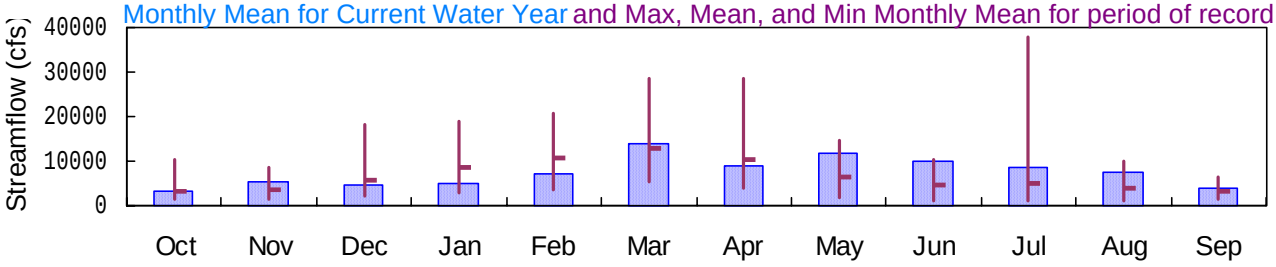
Latitude: 31°18'24" Longitude: 084°20'19" Hydrologic Unit Code: 03130008 Baker County
Drainage Area: 5740. mi^2 Datum: 110.2 feet

Daily Mean Discharge

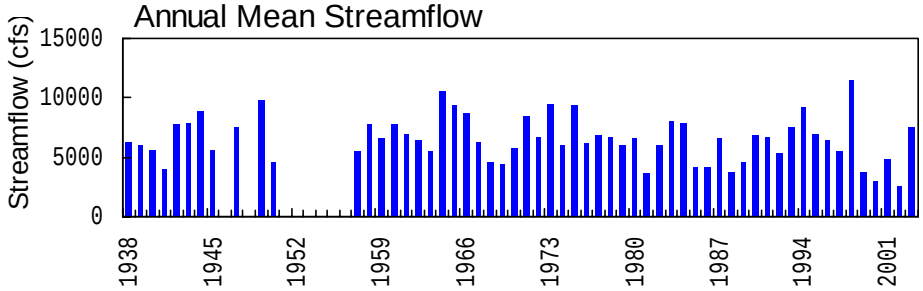


Monthly Statistics

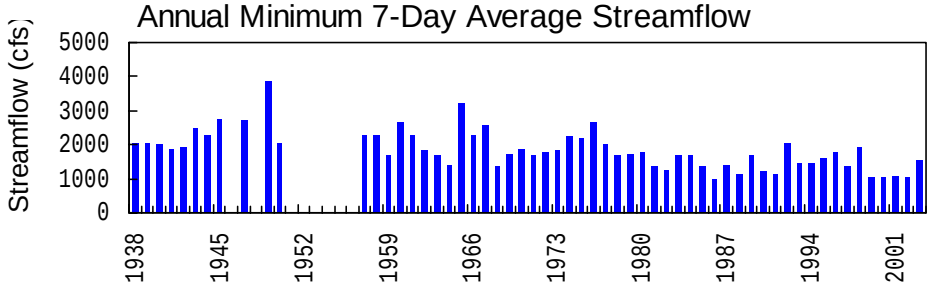
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



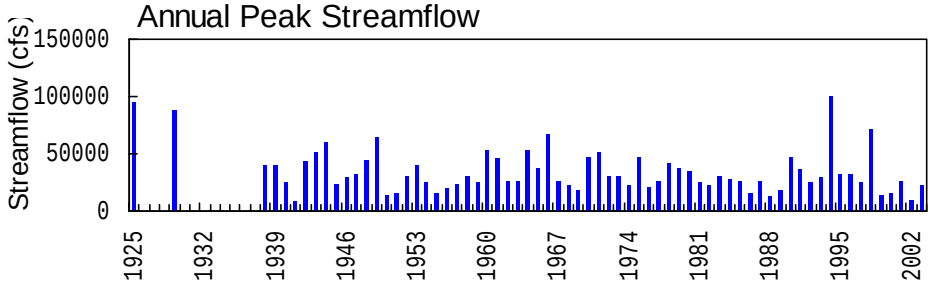
Annual Mean Streamflow

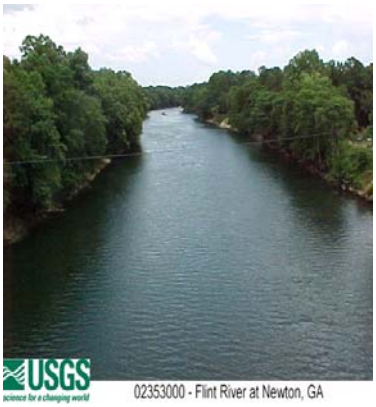


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





APALACHICOLA RIVER BASIN
2003 Water Year

02353000 FLINT RIVER AT NEWTON, GA

LOCATION.—Lat 31°18'24", long 84°20'19" referenced to North American Datum (NAD) of 1927, Baker-Mitchell County line, Hydrologic Unit 03130008, on downstream side of pier of bridge on GA 37 at Newton, 1.0 mile downstream from Coolewahee Creek, and at mile 69.5.

DRAINAGE AREA.—5,740 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1938 to September 1950 (monthly discharge only for October 1945 to September 1946, October 1947 to December 1948, published in WSP 1304), October 1956 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 110.20 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to November 12, 1956, a non-recording gage was located at same site and datum.

REMARKS.—Records good. Flow regulated by power plants at Flint River Reservoir since 1921, with a capacity of 7,500 acre-ft; and at Warwick Reservoir since 1930, with a capacity of about 35,000 acre-ft. Normal operation of power plants does not materially affect figures of monthly runoff. Periods of monthly discharge only are not included in statistics computations.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharge greater than base discharge of 20,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
05/16	0245	22,000*	17.66*

No other peaks above base discharge

02353000 FLINT RIVER AT NEWTON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1938 to September 1950 (monthly discharge only for October 1945 to September 1946, October 1947 to December 1948, published in WSP 1304), October 1956 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 110.20 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to November 12, 1956, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded 17.66 feet, May 16; minimum gage-height recorded, 3.35 feet, October 9.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02353000 FLINT RIVER AT NEWTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 311824 LONGITUDE 0842019 NAD27 DRAINAGE AREA 5740.00* CONTRIBUTING DRAINAGE AREA DATUM 110.20 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1930	2440	3450	11400	4450	10600	8140	10100	7670	6360	8500	3490
2	1910	4300	3350	10700	4830	13600	6820	10500	7390	6730	8760	4340
3	1920	5000	3670	7850	5110	12500	7600	10100	6250	8000	8000	4430
4	1890	4600	3950	8090	5170	14300	6400	8400	4770	6320	8980	4320
5	1580	4400	4060	7720	4960	12500	6950	7540	5480	9030	9630	4440
6	1510	4670	3430	7090	4570	9890	6370	7540	5940	10600	10200	4630
7	1510	4900	2820	7000	4450	10000	6000	7160	6690	14200	10200	4290
8	1450	2830	2350	5810	4440	12300	7430	6520	9810	14400	11700	5150
9	1440	2370	2980	5490	6290	10800	9950	5960	13100	15500	10800	5050
10	1560	2540	3350	5360	7310	12300	11900	8420	12100	14000	10300	4810
11	1780	3540	3330	5120	6030	12200	14600	9290	12300	10900	10800	4350
12	1920	4800	3120	4320	6540	14500	15700	8890	11200	7960	10700	3910
13	1920	6410	2890	3970	6010	17400	16300	14000	10200	7050	8760	3350
14	1590	7340	3880	3990	5360	18700	17000	18700	8980	7910	8190	2930
15	2250	8600	4140	3990	5770	17300	15500	21100	8660	7320	7400	3500
16	4540	8680	4010	4160	6240	13600	11400	21100	9480	8180	6680	2540
17	4670	8940	3090	3960	5930	11300	9220	13200	9740	7870	7300	2530
18	4750	9100	4610	3570	8250	11100	7480	9280	9790	6920	6540	2660
19	5480	9710	2610	4610	8920	11400	7240	8140	9550	7290	6530	2450
20	6800	7900	2310	3720	9130	13000	6710	7950	10600	7070	5240	2490
21	6460	7160	2160	3330	9080	17000	6160	5940	10600	6270	5180	2510
22	7040	6220	2320	3310	9340	19300	6790	7430	11100	5170	6860	2600
23	5140	5630	4870	3560	9210	19200	6530	14500	12400	5780	6800	2790
24	4140	3490	6440	4030	9690	17600	5620	18700	13800	7920	6270	3850
25	4210	3630	6790	3830	9840	16200	6140	16400	16100	9180	5160	4310
26	3420	4460	8380	3290	9010	17600	6680	14800	16900	10600	5470	4430
27	3220	4060	9060	3970	9910	17900	7350	15600	13000	8900	5110	6010
28	3080	3870	9580	4030	11500	17600	8410	17200	9670	7590	4630	4920
29	3440	2740	9680	3600	---	15400	9140	16900	6800	6860	4750	3450
30	2890	2920	10700	3530	---	11100	9630	14000	6000	6390	5000	3810
31	2890	---	10500	2630	---	8430	---	10700	---	7000	5020	---
TOTAL	98330	157250	147880	157030	197340	436620	271160	366060	296070	265270	235460	114340
MEAN	3172	5242	4770	5065	7048	14080	9039	11810	9869	8557	7595	3811
MAX	7040	9710	10700	11400	11500	19300	17000	21100	16900	15500	11700	6010
MIN	1440	2370	2160	2630	4440	8430	5620	5940	4770	5170	4630	2450
CFSM	0.55	0.91	0.83	0.88	1.23	2.45	1.57	2.06	1.72	1.49	1.32	0.66
IN.	0.64	1.02	0.96	1.02	1.28	2.83	1.76	2.37	1.92	1.72	1.53	0.74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2003, BY WATER YEAR (WY)

MEAN	3267	3618	5656	8634	10780	12960	10480	6281	4738	5044	4021	3062
MAX	10440	8461	18280	18990	20820	28620	28750	14770	10300	37690	9841	6557
(WY)	1965	1998	1998	1964	1998	1998	1944	1964	1973	1994	1994	1994
MIN	1419	1504	2243	2768	3457	5322	3869	1934	1211	1144	1173	1268
(WY)	2001	2002	1991	1981	1989	1981	1999	2000	2000	1986	1986	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1938 - 2003	
ANNUAL TOTAL	1185978		2742810			
ANNUAL MEAN	3249		7515		6486	
HIGHEST ANNUAL MEAN					11540	1998
LOWEST ANNUAL MEAN					2608	2002
HIGHEST DAILY MEAN	10700	Dec 30	21100	May 15	100000	Jul 13 1994
LOWEST DAILY MEAN	998	Sep 13	1440	Oct 9	840	Oct 20 1940
ANNUAL SEVEN-DAY MINIMUM	1030	Sep 8	1550	Oct 5	993	Aug 9 1986
MAXIMUM PEAK FLOW			22000	May 16	100000	Jul 13 1994
MAXIMUM PEAK STAGE			17.66	May 16	45.25	Jul 13 1994
INSTANTANEOUS LOW FLOW			1380	Oct 9	790	Oct 20 1940
ANNUAL RUNOFF (CFSM)	0.57		1.31		1.13	
ANNUAL RUNOFF (INCHES)	7.69		17.78		15.35	
10 PERCENT EXCEEDS	6130		14000		13000	
50 PERCENT EXCEEDS	2790		6730		4590	
90 PERCENT EXCEEDS	1170		2890		2030	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02353000 FLINT RIVER AT NEWTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 311824 LONGITUDE 0842019 NAD27 DRAINAGE AREA 5740.00* CONTRIBUTING DRAINAGE AREA DATUM 110.20 NGVD29

APPROVED

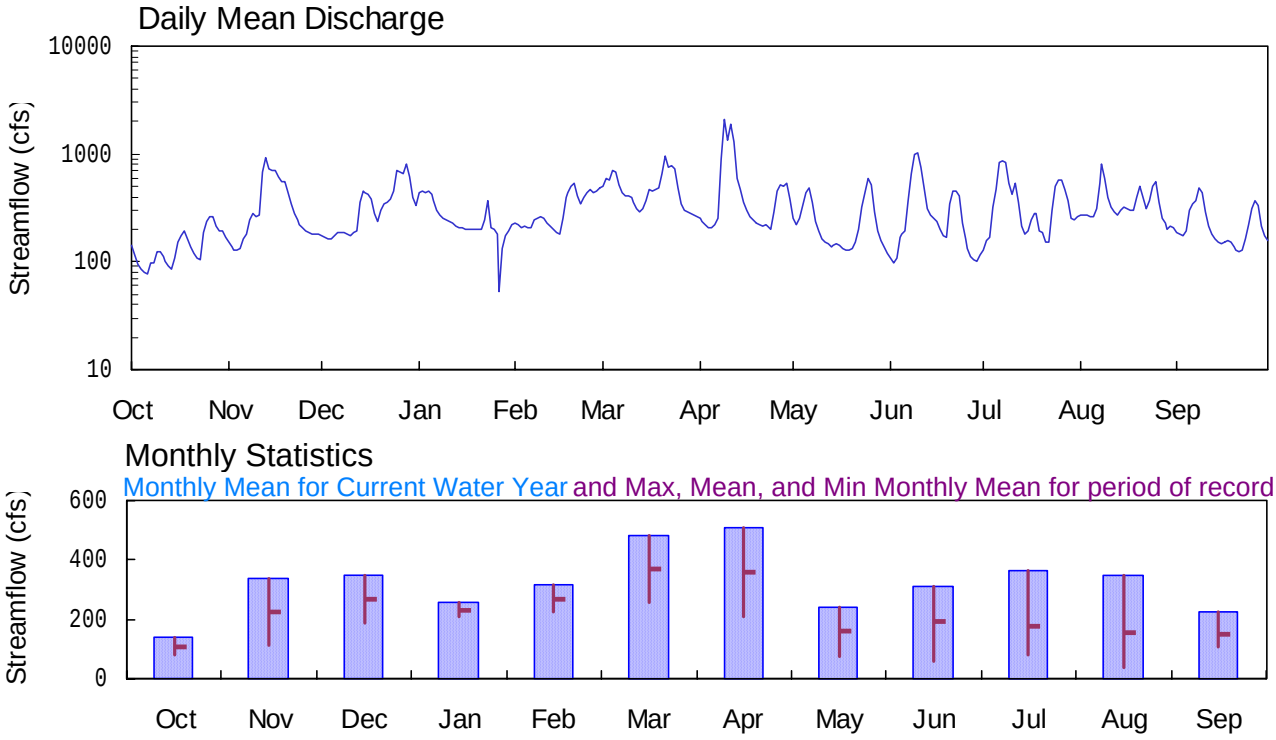
Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

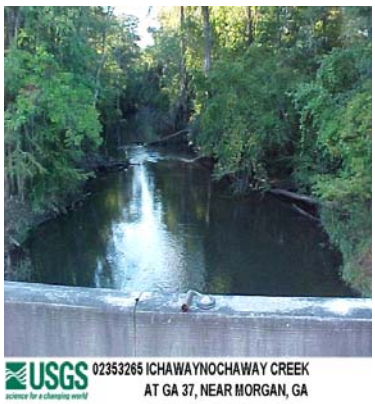
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.17	5.06	6.02	11.61	6.74	11.06	9.40	10.77	9.07	8.19	9.65	6.07
2	4.14	6.72	5.95	11.13	7.12	12.99	8.50	11.05	8.89	8.44	9.83	6.75
3	4.14	7.26	6.22	9.19	7.34	12.28	9.01	10.74	8.11	9.30	9.30	6.83
4	4.09	6.97	6.46	9.36	7.39	13.37	8.22	9.58	7.10	8.17	9.98	6.74
5	3.65	6.82	6.55	9.09	7.24	12.31	8.58	8.97	7.60	10.02	10.43	6.84
6	3.55	7.01	6.01	8.68	6.95	10.60	8.21	8.97	7.91	11.07	10.81	6.98
7	3.55	7.19	5.44	8.61	6.83	10.68	7.97	8.72	8.41	13.36	10.79	6.73
8	3.45	5.45	4.98	7.84	6.79	12.18	8.91	8.30	10.54	13.48	11.78	7.38
9	3.43	4.99	5.60	7.62	8.15	11.21	10.65	7.94	12.66	14.09	11.18	7.30
10	3.61	5.15	5.95	7.52	8.82	12.19	11.93	9.59	12.08	13.19	10.90	7.12
11	3.90	6.06	5.93	7.36	7.98	12.11	13.56	10.20	12.17	11.30	11.19	6.77
12	4.07	7.08	5.74	6.75	8.31	13.52	14.20	9.92	11.49	9.29	11.14	6.43
13	4.07	8.23	5.51	6.47	7.97	15.17	14.53	13.21	10.85	8.65	9.82	5.95
14	3.63	8.84	6.40	6.49	7.52	15.89	14.97	15.89	9.98	9.23	9.44	5.56
15	4.41	9.72	6.62	6.49	7.80	15.09	14.08	17.20	9.76	8.85	8.90	6.08
16	6.81	9.78	6.51	6.63	8.11	12.96	11.59	17.18	10.33	9.43	8.41	5.18
17	6.91	9.96	5.71	6.47	7.91	11.53	10.15	12.67	10.51	9.22	8.82	5.17
18	6.97	10.07	6.96	6.14	9.48	11.44	8.93	10.19	10.54	8.57	8.31	5.30
19	7.56	10.49	5.24	6.98	9.95	11.63	8.77	9.39	10.38	8.81	8.31	5.08
20	8.48	9.24	4.94	6.26	10.09	12.59	8.43	9.27	11.06	8.66	7.44	5.13
21	8.26	8.73	4.78	5.92	10.05	14.93	8.07	7.91	11.11	8.14	7.37	5.15
22	8.64	8.10	4.95	5.89	10.24	16.22	8.48	8.92	11.43	7.37	8.53	5.24
23	7.26	7.69	7.11	6.13	10.15	16.18	8.31	13.48	12.23	7.79	8.49	5.43
24	6.41	6.07	8.25	6.53	10.48	15.25	7.71	15.87	13.11	9.26	8.14	6.38
25	6.53	6.18	8.48	6.35	10.58	14.51	8.06	14.62	14.46	10.11	7.38	6.75
26	5.83	6.84	9.56	5.87	10.01	15.27	8.41	13.70	14.91	11.08	7.58	6.84
27	5.66	6.52	10.04	6.43	10.62	15.47	8.84	14.18	12.62	9.92	7.34	7.97
28	5.56	6.39	10.40	6.53	11.68	15.27	9.58	15.06	10.44	9.02	6.98	7.19
29	5.95	5.38	10.47	6.15	---	14.05	10.10	14.89	8.49	8.53	7.07	6.04
30	5.45	5.53	11.15	6.10	---	11.42	10.43	13.20	7.95	8.21	7.25	6.34
31	5.48	---	11.00	5.26	---	9.61	---	11.16	---	8.62	7.28	---
MEAN	5.34	7.32	6.93	7.22	8.65	13.19	9.95	11.70	10.54	9.66	9.03	6.29
MAX	8.64	10.49	11.15	11.61	11.68	16.22	14.97	17.20	14.91	14.09	11.78	7.97
MIN	3.43	4.99	4.78	5.26	6.74	9.61	7.71	7.91	7.10	7.37	6.98	5.08

2003 Water Year

02353265 ICHAWAYNOCHAWAY CREEK AT GA 37, NEAR MORGAN, GA

Latitude: 31°31'37" Longitude: 084°34'58" Hydrologic Unit Code: 03130009 Calhoun County
Drainage Area: 301.0 mi^2 Datum: 175.0 feet





APALACHICOLA RIVER BASIN
2003 Water Year

02353265 ICHAWAYNOCHAWAY CREEK AT GA 37, NEAR MORGAN, GA

LOCATION.—Lat 31°31'37", long 84°34'58" referenced to North American Datum (NAD) of 1983, Calhoun County, Hydrologic Unit 03130009, on GA 37, 1.1 miles east of Morgan.

DRAINAGE AREA.—301 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 31, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 175.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 31, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 175.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded 12.37 feet, April 9; minimum gage-height recorded, 5.94 feet, January 27.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 31, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02353265 ICHAWAYNOCHAWAY CREEK AT GA 37, NEAR MORGAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 037
LATITUDE 313137 LONGITUDE 0843458 NAD83 DRAINAGE AREA 301.00* CONTRIBUTING DRAINAGE AREA DATUM 175.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e141	150	175	433	226	494	251	249	107	129	274	188
2	e117	137	170	451	225	591	237	218	96	158	271	178
3	96	126	165	442	210	570	220	251	109	169	268	173
4	85	130	162	449	211	716	208	329	167	324	264	192
5	79	133	175	422	209	681	206	438	183	464	266	299
6	76	161	187	362	205	525	219	484	194	835	307	343
7	98	183	e186	304	246	438	258	356	371	854	527	372
8	97	246	188	272	254	412	881	237	659	821	793	481
9	122	283	182	256	260	406	2090	192	990	536	596	440
10	123	262	177	245	253	399	1330	164	1010	418	394	294
11	112	268	186	236	231	357	1910	152	761	542	318	216
12	100	673	191	226	212	313	1290	145	488	356	286	182
13	92	939	352	216	200	286	602	136	314	217	273	165
14	86	729	457	209	188	306	464	142	269	182	298	154
15	109	706	440	204	181	367	356	145	255	193	319	149
16	152	701	428	201	253	469	298	140	235	248	310	152
17	173	606	377	203	391	450	264	134	202	283	300	158
18	191	552	285	199	437	475	243	126	174	280	297	151
19	165	548	238	199	499	485	227	127	169	190	396	136
20	137	441	297	198	542	656	218	133	347	188	508	126
21	119	340	340	197	413	967	212	150	446	151	391	124
22	107	284	352	243	342	743	218	200	449	154	316	127
23	104	246	383	373	391	790	214	321	406	302	365	162
24	186	223	459	206	433	737	201	440	229	492	506	224
25	238	205	707	199	475	490	294	602	161	568	549	307
26	261	193	679	179	431	347	457	518	131	567	361	372
27	261	186	666	54	453	299	516	288	111	467	251	329
28	214	179	819	135	480	287	500	193	103	368	226	213
29	194	179	621	176	---	282	530	159	102	252	202	174
30	190	179	401	195	---	276	380	139	117	243	211	156
31	167	---	337	221	---	266	---	121	---	261	204	---
TOTAL	4392	10188	10782	7905	8851	14880	15294	7429	9355	11212	10847	6737
MEAN	142	340	348	255	316	480	510	240	312	362	350	225
MAX	261	939	819	451	542	967	2090	602	1010	854	793	481
MIN	76	126	162	54	181	266	201	121	96	129	202	124
MED	122	246	337	216	253	450	279	192	216	283	307	180
AC-FT	8710	20210	21390	15680	17560	29510	30340	14740	18560	22240	21520	13360

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	110	225	268	231	270	369	359	159	193	179	154	149
MAX	142	340	348	255	316	480	510	240	312	362	350	225
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	77.7	111	187	207	224	259	208	77.6	60.4	81.0	39.3	105
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2001	2002	2002

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	63779		117872			
ANNUAL MEAN	175		323		230	
HIGHEST ANNUAL MEAN					323	2003
LOWEST ANNUAL MEAN					137	2002
HIGHEST DAILY MEAN	939	Nov 13	2090	Apr 9	2090	Apr 9 2003
LOWEST DAILY MEAN	23	Aug 12	54	Jan 27	23	Aug 12 2002
ANNUAL SEVEN-DAY MINIMUM	24	Aug 10	93	Oct 2	24	Aug 10 2002
MAXIMUM PEAK FLOW			2500	Apr 10	2500	Apr 10 2003
MAXIMUM PEAK STAGE			12.37	Apr 10	12.37	Apr 10 2003
INSTANTANEOUS LOW FLOW			47	Jan 27		
ANNUAL RUNOFF (AC-FT)	126500		233800		166600	
10 PERCENT EXCEEDS	352		569		464	
50 PERCENT EXCEEDS	149		253		183	
90 PERCENT EXCEEDS	36		133		58	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02353265 ICHAWAYNOCHAWAY CREEK AT GA 37, NEAR MORGAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 037
LATITUDE 313137 LONGITUDE 0843458 NAD83 DRAINAGE AREA 301.00* CONTRIBUTING DRAINAGE AREA DATUM 175.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	7.20	7.48	9.39	7.92	9.68	8.13	8.11	6.71	6.95	8.31	7.59
2	---	7.04	7.43	9.48	7.91	10.11	8.01	7.86	6.60	7.30	8.28	7.50
3	6.61	6.92	7.38	9.44	7.79	10.03	7.88	8.13	6.74	7.42	8.26	7.46
4	6.51	6.95	7.35	9.47	7.80	10.48	7.78	8.70	7.39	8.66	8.23	7.62
5	6.45	6.99	7.47	9.32	7.78	10.39	7.75	9.40	7.55	9.51	8.24	8.49
6	6.42	7.33	7.59	8.93	7.75	9.83	7.87	9.65	7.64	10.77	8.55	8.80
7	6.62	7.54	---	8.52	8.09	9.41	8.15	8.88	8.96	10.82	9.72	8.99
8	6.61	8.08	7.60	8.29	8.15	9.25	10.70	8.01	10.29	10.74	10.68	9.63
9	6.87	8.38	7.54	8.17	8.20	9.22	12.12	7.63	11.08	9.84	10.10	9.41
10	6.88	8.21	7.49	8.08	8.14	9.18	11.55	7.36	11.10	9.28	9.13	8.45
11	6.76	8.25	7.57	8.01	7.96	8.90	12.01	7.22	10.59	9.91	8.63	7.83
12	6.64	10.29	7.62	7.92	7.81	8.60	11.47	7.14	9.63	8.86	8.39	7.54
13	6.57	11.00	8.83	7.84	7.70	8.40	10.08	7.03	8.60	7.85	8.30	7.37
14	6.52	10.53	9.51	7.78	7.60	8.54	9.54	7.10	8.27	7.54	8.49	7.25
15	6.74	10.47	9.42	7.74	7.53	8.96	8.89	7.14	8.16	7.64	8.63	7.19
16	7.23	10.45	9.36	7.71	8.11	9.57	8.48	7.07	8.00	8.10	8.57	7.23
17	7.45	10.16	9.03	7.72	9.12	9.47	8.23	7.00	7.72	8.37	8.50	7.31
18	7.62	9.96	8.38	7.70	9.41	9.60	8.07	6.91	7.47	8.35	8.48	7.21
19	7.37	9.94	8.02	7.70	9.71	9.65	7.93	6.92	7.42	7.61	9.14	7.03
20	7.04	9.41	8.47	7.68	9.91	10.25	7.86	6.99	8.81	7.59	9.76	6.92
21	6.83	8.78	8.79	7.68	9.24	11.05	7.81	7.20	9.45	7.21	9.11	6.88
22	6.71	8.38	8.87	8.03	8.80	10.56	7.86	7.69	9.46	7.24	8.61	6.92
23	6.68	8.08	9.07	8.94	9.12	10.68	7.82	8.65	9.19	8.50	8.95	7.34
24	7.55	7.90	9.47	7.75	9.38	10.54	7.71	9.40	7.94	9.68	9.73	7.90
25	8.02	7.75	10.47	7.69	9.60	9.65	8.42	10.15	7.33	10.02	9.93	8.54
26	8.21	7.64	10.38	7.49	9.36	8.83	9.49	9.78	6.97	10.02	8.92	9.00
27	8.21	7.57	10.34	6.07	9.48	8.49	9.80	8.40	6.75	9.56	8.12	8.70
28	7.82	7.52	10.75	7.03	9.62	8.40	9.73	7.64	6.67	8.97	7.93	7.81
29	7.65	7.51	10.19	7.48	---	8.37	9.86	7.31	6.67	8.13	7.72	7.46
30	7.61	7.51	9.18	7.65	---	8.32	9.03	7.07	6.82	8.06	7.80	7.27
31	7.40	---	8.76	7.88	---	8.24	---	6.85	---	8.20	7.73	---
MEAN	---	8.46	---	8.08	8.54	9.44	9.00	7.88	8.20	8.67	8.74	7.82
MAX	---	11.00	---	9.48	9.91	11.05	12.12	10.15	11.10	10.82	10.68	9.63
MIN	---	6.92	---	6.07	7.53	8.24	7.71	6.85	6.60	6.95	7.72	6.88

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02353265 ICHAWAYNOCHAWAY CREEK AT GA 37, NEAR MORGAN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 037
LATITUDE 313137 LONGITUDE 0843458 NAD83 DRAINAGE AREA 301.00* CONTRIBUTING DRAINAGE AREA DATUM 175.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

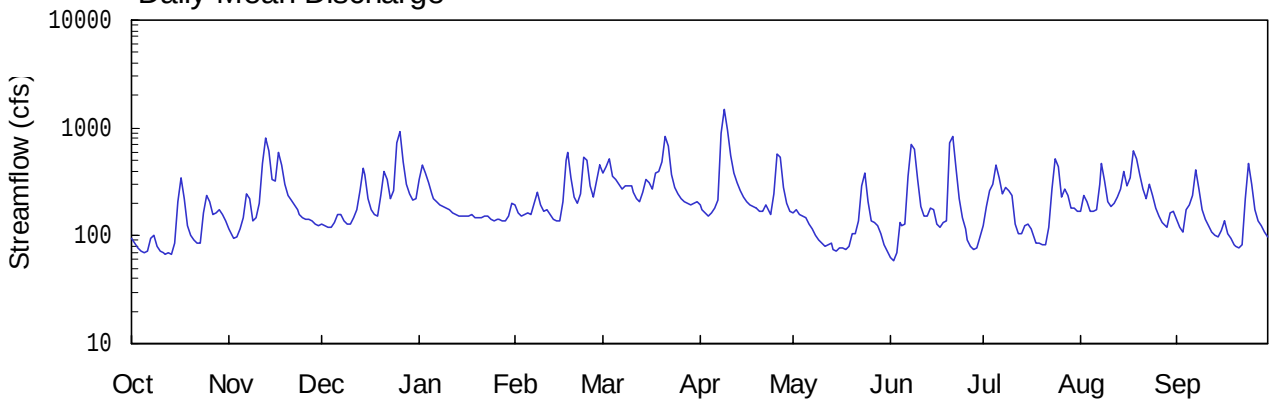
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.01	0.00	1.28	0.00	0.04	0.00	0.51	0.32	0.00
2	0.00	0.00	0.00	0.04	0.00	0.02	0.00	0.07	0.26	0.08	0.10	0.00
3	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.10	0.55	0.04	0.06	0.00
4	0.00	0.21	0.00	0.00	0.21	0.14	0.00	0.00	0.01	0.77	0.07	0.00
5	0.00	0.30	0.32	0.00	0.00	0.04	0.03	0.00	0.00	0.01	0.08	0.85
6	1.29	0.09	0.00	0.00	0.60	0.08	0.00	0.00	0.94	0.22	0.00	0.00
7	0.49	0.00	0.00	0.00	0.03	0.36	2.50	0.00	1.33	0.25	3.56	0.00
8	0.00	0.00	---	0.00	0.00	0.20	1.72	0.00	0.26	0.00	0.00	0.00
9	0.00	0.07	---	0.00	0.01	0.67	0.08	0.00	0.00	0.00	0.00	0.00
10	0.00	0.18	0.16	0.00	0.16	0.00	0.03	0.00	0.00	0.00	0.00	0.00
11	0.00	2.06	0.00	0.00	0.00	0.00	0.00	0.42	0.71	0.08	0.00	0.00
12	0.00	1.06	0.02	0.00	0.00	0.00	0.00	0.00	0.15	0.01	0.16	0.00
13	0.00	0.00	1.67	0.00	0.00	0.32	0.00	0.00	0.01	0.00	0.66	0.00
14	0.26	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.02	0.00	0.01	0.00
15	0.86	0.01	0.00	0.00	0.00	0.10	0.00	0.59	0.00	0.01	0.12	0.00
16	0.00	0.55	0.00	0.04	1.64	0.01	0.00	0.00	0.00	0.00	0.35	0.00
17	0.00	0.09	0.00	0.00	0.02	0.91	0.00	0.00	0.02	0.00	0.23	0.00
18	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.08	0.13	0.10	0.01	0.00
19	0.00	0.00	0.45	0.00	0.00	0.11	0.00	0.06	1.44	0.05	0.00	0.00
20	0.00	0.03	0.11	0.00	0.00	1.09	0.00	0.00	0.29	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.17	0.00	0.09	0.01	0.00	0.33	0.29	0.05
22	0.00	0.00	0.00	0.00	0.44	0.00	0.00	1.60	0.00	1.49	0.00	1.08
23	1.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.00	0.03
24	0.32	0.00	1.41	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00
25	0.02	0.00	0.00	0.00	0.00	0.00	1.78	0.00	0.00	0.01	0.00	0.00
26	0.15	0.00	0.00	0.00	0.68	0.00	0.01	0.02	0.00	0.00	0.02	0.00
27	0.11	0.00	0.00	0.00	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
29	0.25	0.00	0.00	0.00	---	0.00	0.00	0.00	0.11	0.03	0.80	0.00
30	0.01	0.00	0.00	0.26	---	0.28	0.00	0.00	0.00	1.77	0.00	0.00
31	0.00	---	1.00	0.01	---	0.00	---	0.00	---	0.34	0.00	---
TOTAL	5.03	4.65	---	0.36	4.60	6.12	6.34	2.99	6.23	6.77	6.88	2.01

2003 Water Year

02353400 PACHITLA CREEK NEAR EDISON, GA

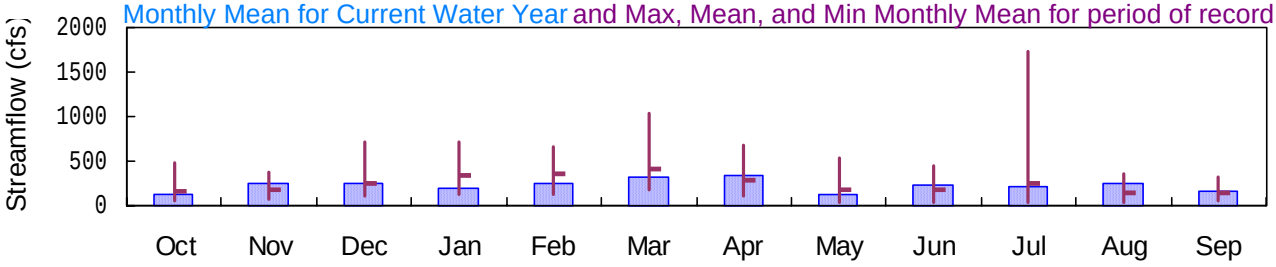
Latitude: 31°33'17" Longitude: 084°40'43" Hydrologic Unit Code: 03130009 Calhoun County
Drainage Area: 188.0 mi^2 Datum: 212.6 feet

Daily Mean Discharge

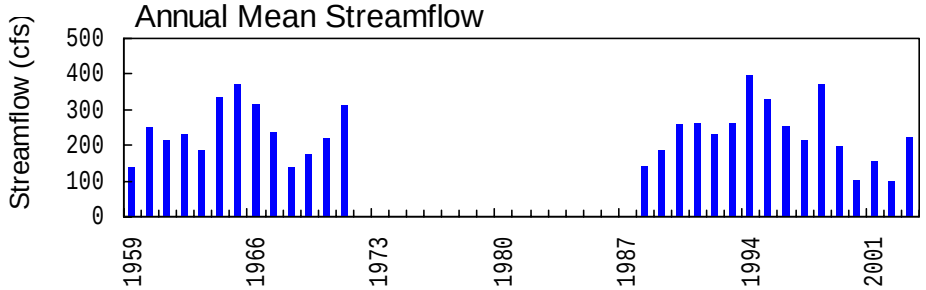


Monthly Statistics

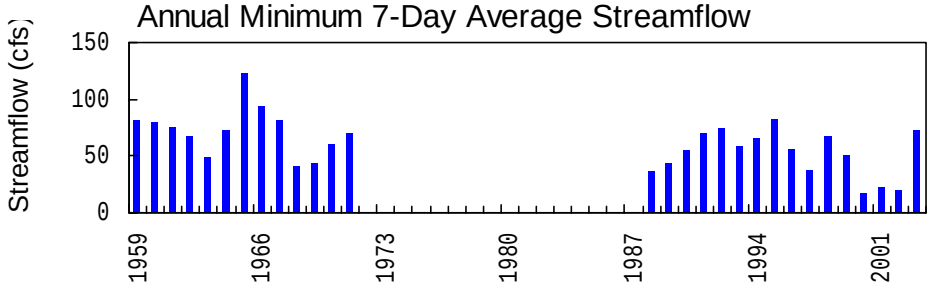
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



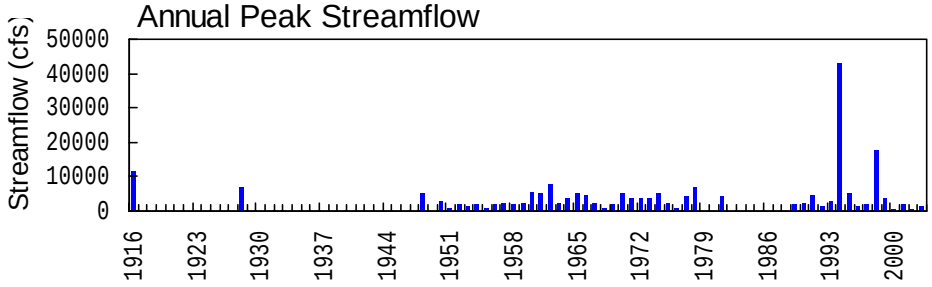
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2003 Water Year

02353400 PACHITLA CREEK NEAR EDISON, GA

LOCATION.—Lat 31°33'17", long 84°40'43" referenced to North American Datum (NAD) of 1927, Calhoun County, Hydrologic Unit 03130009, on downstream side of bridge pier on GA 37, 2.2 miles upstream from Neals Creek, 3.6 miles east of Edison, and 8.5 miles upstream from mouth.

DRAINAGE AREA.—188 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Annual maximum, water years 1950-59 and occasional low-flow measurements, 1951-58, 1972-81; June 1959 to September 1971, March 1988 to current year.

REVISED RECORDS.—WDR GA-71-1: 1960 (M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 212.64 feet above National Geodetic Vertical Datum of 1929. From March 17, 1949 to March 16, 1955, a crest-stage gage was located at same site and datum. From March 17, 1955 to June 9, 1959, a crest-stage gage was located at site 200 feet downstream at same datum.

REMARKS.—Records fair.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood on July 10, 1916 reached a stage of 11.88 feet (from Georgia Department of Transportation), discharge, 11,800 cfs, from rating curve extended above 3,400 cfs on basis of slope-conveyance studies.

PEAK DISCHARGES FOR CURRENT YEAR—Peak discharges greater than base discharge of 1,100 cfs, and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
04/09	0330	1,610*	6.83*
06/20	2100	1,150	6.37

02353400 PACHITLA CREEK NEAR EDISON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—Annual maximum, water years 1950-59; March 1988 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 212.64 feet above National Geodetic Vertical Datum of 1929. From March 17, 1949 to March 16, 1955, a crest-stage gage was located at same site and datum. From March 17, 1955 to June 9, 1959, a crest-stage gage was located at site 200 feet downstream at same datum.

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.83 feet, April 9; minimum gage-height recorded, 1.99 feet, June 2.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 1, 2002 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02353400 PACHITLA CREEK NEAR EDISON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 037
LATITUDE 313317 LONGITUDE 0844043 NAD27 DRAINAGE AREA 188.00* CONTRIBUTING DRAINAGE AREA DATUM 212.64 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	116	127	336	195	386	191	161	63	124	169	140
2	85	102	123	460	165	436	176	172	59	184	239	120
3	76	95	120	381	150	512	163	156	70	263	207	108
4	71	99	122	307	157	350	155	154	131	305	168	172
5	71	116	134	249	164	332	162	145	125	458	167	196
6	71	149	158	223	155	301	182	127	126	347	177	238
7	95	241	155	206	201	276	212	116	361	242	298	413
8	100	222	137	191	250	288	888	102	706	280	465	268
9	78	140	129	186	196	292	1490	92	644	267	318	173
10	71	148	127	181	168	292	958	87	329	235	203	143
11	69	201	145	174	174	254	548	79	186	128	184	123
12	68	460	172	163	158	218	381	82	152	106	200	109
13	69	798	261	159	144	207	308	86	152	106	228	101
14	67	620	416	154	138	256	259	75	180	124	269	97
15	86	332	368	155	136	334	228	72	174	128	400	110
16	207	322	225	150	203	310	205	78	130	117	286	136
17	340	590	177	154	493	273	192	77	122	93	339	103
18	221	446	160	157	594	378	187	73	133	86	615	93
19	126	297	151	149	342	401	180	81	140	86	524	83
20	101	234	235	147	230	489	170	105	721	84	365	80
21	90	211	390	149	198	833	171	105	828	84	267	77
22	86	195	338	153	248	690	195	135	421	120	224	83
23	85	176	220	153	533	374	179	294	222	269	298	222
24	161	157	266	143	495	282	155	381	149	519	237	466
25	240	147	716	136	286	243	245	205	116	435	178	300
26	208	142	919	140	229	220	567	139	92	229	150	172
27	160	140	476	142	320	208	542	135	80	268	133	140
28	162	137	297	138	458	200	281	122	75	235	123	122
29	176	129	245	137	---	192	201	103	77	180	122	109
30	155	126	216	153	---	197	170	84	97	181	163	98
31	136	---	220	200	---	208	---	72	---	166	171	---
TOTAL	3827	7288	7945	5926	7180	10232	9941	3895	6861	6449	7887	4795
MEAN	123	243	256	191	256	330	331	126	229	208	254	160
MAX	340	798	919	460	594	833	1490	381	828	519	615	466
MIN	67	95	120	136	136	192	155	72	59	84	122	77
CFSM	0.66	1.29	1.36	1.02	1.36	1.76	1.76	0.67	1.22	1.11	1.35	0.85
IN.	0.76	1.44	1.57	1.17	1.42	2.02	1.97	0.77	1.36	1.28	1.56	0.95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2003, BY WATER YEAR (WY)

MEAN	161	186	251	346	363	406	295	175	181	242	148	135
MAX	484	372	706	708	663	1038	679	533	445	1725	358	329
(WY)	1995	1995	1965	1962	1995	1998	1960	1971	1965	1994	1994	1994
MIN	46.5	67.2	114	128	122	171	115	37.2	28.2	38.9	34.4	52.4
(WY)	2002	2002	1989	1989	2001	2000	2000	2000	2000	2000	2000	1968

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1959 - 2003	
ANNUAL TOTAL	48173		82226			
ANNUAL MEAN	132		225		242	
HIGHEST ANNUAL MEAN					396	1994
LOWEST ANNUAL MEAN					99.1	2002
HIGHEST DAILY MEAN	919	Dec 26	1490	Apr 9	13500	Jul 7 1994
LOWEST DAILY MEAN	17	Aug 19	59	Jun 2	15	Jun 15 2000
ANNUAL SEVEN-DAY MINIMUM	19	Aug 13	73	Oct 9	16	Aug 18 2000
MAXIMUM PEAK FLOW			1610	Apr 9	43000	Jul 6 1994
MAXIMUM PEAK STAGE			6.83	Apr 9	14.22	Jul 6 1994
INSTANTANEOUS LOW FLOW			56	Jun 2	13	Aug 13 2000
ANNUAL RUNOFF (CFSM)	0.70		1.20		1.29	
ANNUAL RUNOFF (INCHES)	9.53		16.27		17.47	
10 PERCENT EXCEEDS	240		427		460	
50 PERCENT EXCEEDS	111		173		164	
90 PERCENT EXCEEDS	33		86		72	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02353400 PACHITLA CREEK NEAR EDISON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 037
LATITUDE 313317 LONGITUDE 0844043 NAD27 DRAINAGE AREA 188.00* CONTRIBUTING DRAINAGE AREA DATUM 212.64 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.62	2.93	3.08	4.54	3.71	4.78	3.68	3.42	2.14	3.05	3.49	3.22
2	2.44	2.72	3.05	5.06	3.46	4.96	3.56	3.52	2.05	3.62	4.03	3.01
3	2.28	2.61	3.01	4.75	3.33	5.20	3.44	3.38	2.24	4.17	3.80	2.86
4	2.17	2.68	3.03	4.41	3.39	4.62	3.37	3.36	3.11	4.39	3.48	3.49
5	2.16	2.93	3.16	4.09	3.45	4.53	3.43	3.27	3.05	5.05	3.48	3.72
6	2.17	3.35	3.40	3.92	3.37	4.38	3.60	3.09	3.02	4.59	3.57	3.99
7	2.59	4.23	3.37	3.80	3.75	4.25	3.78	2.96	4.62	4.05	4.28	4.89
8	2.69	4.08	3.19	3.68	4.10	4.31	5.86	2.78	5.68	4.27	5.07	4.18
9	2.31	3.24	3.11	3.64	3.71	4.33	6.72	2.63	5.54	4.19	4.45	3.53
10	2.17	3.38	3.09	3.60	3.49	4.33	6.10	2.55	4.49	3.96	3.77	3.25
11	2.14	3.95	3.27	3.54	3.54	4.12	5.29	2.43	3.63	3.09	3.62	3.04
12	2.12	5.16	3.52	3.45	3.40	3.89	4.76	2.48	3.34	2.83	3.75	2.86
13	2.12	5.89	4.13	3.41	3.26	3.80	4.41	2.54	3.34	2.83	3.95	2.76
14	2.08	5.47	4.90	3.36	3.21	4.13	4.15	2.36	3.59	3.05	4.21	2.70
15	2.42	4.52	4.69	3.37	3.18	4.55	3.96	2.30	3.54	3.10	4.83	2.87
16	3.91	4.47	3.93	3.32	3.72	4.42	3.79	2.41	3.12	2.96	4.27	3.18
17	4.80	5.41	3.56	3.36	5.11	4.23	3.68	2.39	3.03	2.64	4.53	2.79
18	4.02	5.00	3.41	3.39	5.42	4.74	3.65	2.33	3.15	2.53	5.46	2.65
19	3.06	4.35	3.33	3.31	4.57	4.84	3.59	2.45	3.20	2.54	5.23	2.49
20	2.70	4.00	3.98	3.29	3.96	5.11	3.50	2.81	5.53	2.50	4.69	2.44
21	2.53	3.84	4.79	3.31	3.73	5.92	3.51	2.82	5.87	2.50	4.19	2.39
22	2.46	3.71	4.55	3.35	4.05	5.63	3.71	3.14	4.88	2.96	3.92	2.49
23	2.43	3.56	3.90	3.35	5.24	4.72	3.58	4.32	3.90	4.15	4.36	3.83
24	3.48	3.39	4.14	3.25	5.13	4.28	3.37	4.75	3.31	5.22	4.01	5.07
25	4.24	3.29	5.64	3.18	4.30	4.06	4.01	3.77	2.95	4.92	3.57	4.33
26	3.97	3.25	6.05	3.22	3.97	3.90	5.34	3.21	2.62	3.95	3.33	3.53
27	3.48	3.22	5.06	3.24	4.46	3.82	5.27	3.17	2.44	4.19	3.15	3.25
28	3.51	3.20	4.35	3.21	5.05	3.75	4.26	3.03	2.35	3.97	3.04	3.07
29	3.66	3.11	4.06	3.19	---	3.69	3.76	2.79	2.39	3.59	3.03	2.91
30	3.43	3.07	3.87	3.34	---	3.73	3.51	2.50	2.70	3.60	3.44	2.75
31	3.20	---	3.89	3.75	---	3.81	---	2.30	---	3.47	3.51	---
MEAN	2.88	3.80	3.89	3.60	3.97	4.41	4.15	2.94	3.49	3.61	3.98	3.25
MAX	4.80	5.89	6.05	5.06	5.42	5.92	6.72	4.75	5.87	5.22	5.46	5.07
MIN	2.08	2.61	3.01	3.18	3.18	3.69	3.37	2.30	2.05	2.50	3.03	2.39

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02353400 PACHITLA CREEK NEAR EDISON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 037
LATITUDE 313317 LONGITUDE 0844043 NAD27 DRAINAGE AREA 188.00* CONTRIBUTING DRAINAGE AREA DATUM 212.64 NGVD29

APPROVED

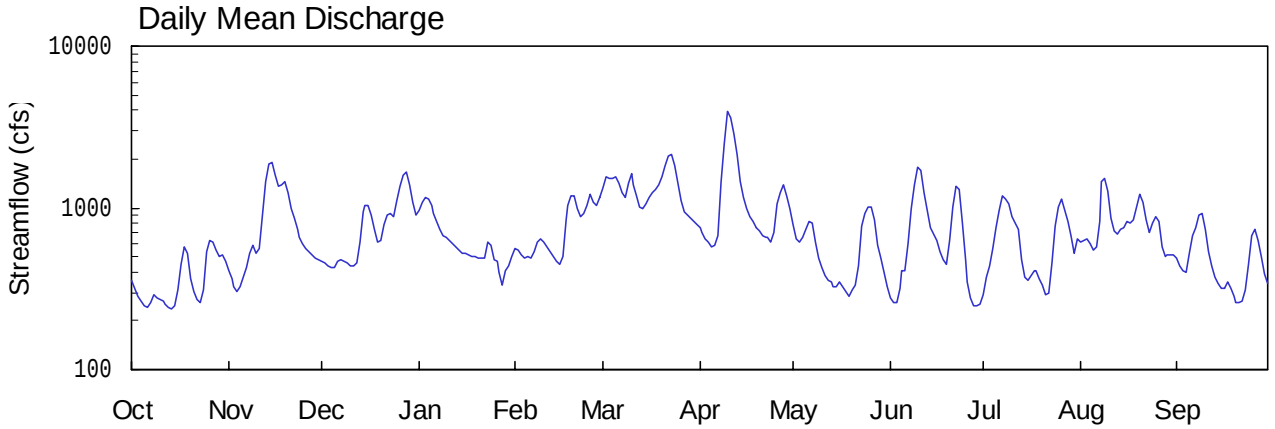
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

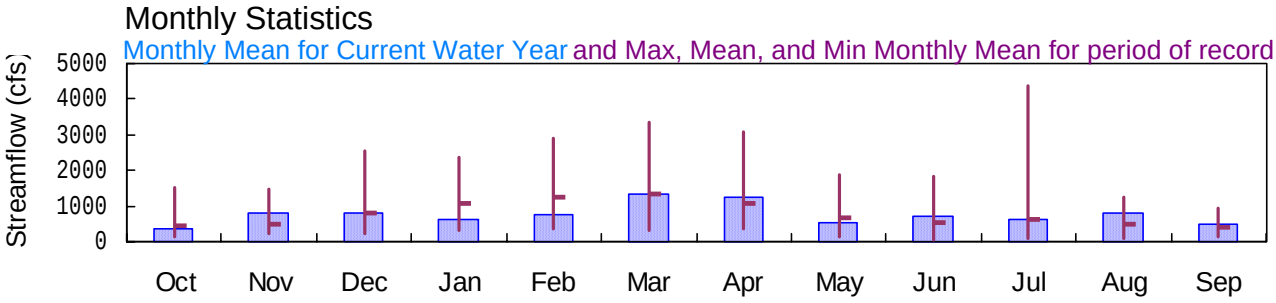
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.00	0.00	0.02	0.00	0.76	0.00	0.00	0.00	0.56	0.11	0.00
2	---	0.00	0.00	0.03	0.00	0.01	0.00	0.03	0.00	0.01	0.03	0.00
3	---	0.00	0.00	0.00	0.00	0.22	0.00	0.10	0.72	0.00	0.08	0.04
4	---	0.23	0.00	0.00	0.29	0.14	0.00	0.00	0.00	0.06	0.26	0.00
5	---	0.34	0.33	0.00	0.00	0.01	0.15	0.00	0.00	0.02	0.11	0.61
6	---	0.09	0.00	0.00	0.52	0.06	0.01	0.00	1.32	0.02	0.01	0.00
7	---	0.00	0.00	0.00	0.02	0.27	2.13	0.00	2.21	0.03	2.05	0.00
8	---	0.00	0.00	0.00	0.00	0.03	1.68	0.00	0.91	0.00	0.00	0.00
9	---	0.22	0.00	0.00	0.01	0.42	0.03	0.00	0.01	0.00	0.00	0.00
10	---	0.87	0.14	0.00	0.06	0.00	0.01	0.00	0.00	0.00	0.00	0.00
11	---	2.14	0.01	0.00	0.00	0.00	0.00	0.13	0.31	0.03	0.00	0.00
12	---	1.79	0.01	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.20	0.00
13	---	0.00	1.37	0.00	0.00	0.53	0.00	0.00	0.05	0.16	0.19	0.00
14	---	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
15	---	0.24	0.00	0.00	0.00	0.33	0.00	0.07	0.01	1.18	0.00	0.00
16	---	0.91	0.00	0.04	1.72	0.15	0.00	0.00	0.00	0.00	0.70	0.00
17	---	0.02	0.00	0.00	0.06	0.89	0.00	0.00	0.05	0.00	0.46	0.00
18	---	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.12	0.25	0.02	0.00
19	---	0.01	0.68	0.00	0.00	0.07	0.00	0.35	1.54	0.33	0.00	0.00
20	---	0.11	0.01	0.00	0.00	1.37	0.09	0.00	0.01	0.00	0.00	0.00
21	---	0.00	0.00	0.00	0.10	0.00	0.07	0.04	0.01	1.06	0.03	0.04
22	---	0.00	0.00	0.00	0.85	0.00	0.00	1.60	0.00	1.02	0.00	0.83
23	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.00	0.03
24	---	0.00	1.37	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00
25	---	0.00	0.00	0.00	0.00	0.00	1.57	0.00	0.00	0.00	0.00	0.00
26	---	0.00	0.00	0.00	0.65	0.00	0.01	0.20	0.00	0.00	0.00	0.00
27	---	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
29	---	0.00	0.00	0.00	---	0.01	0.00	0.00	0.09	0.02	0.07	0.00
30	---	0.00	0.00	0.34	---	0.19	0.00	0.00	0.00	0.05	0.00	0.00
31	---	---	0.90	0.00	---	0.00	---	0.00	---	0.72	0.00	---
TOTAL	---	6.97	4.82	0.43	4.83	5.59	5.91	2.52	7.43	6.18	4.36	1.55

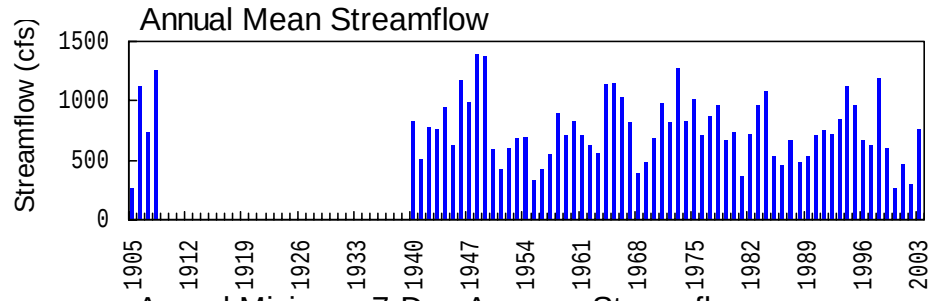
2003 Water Year

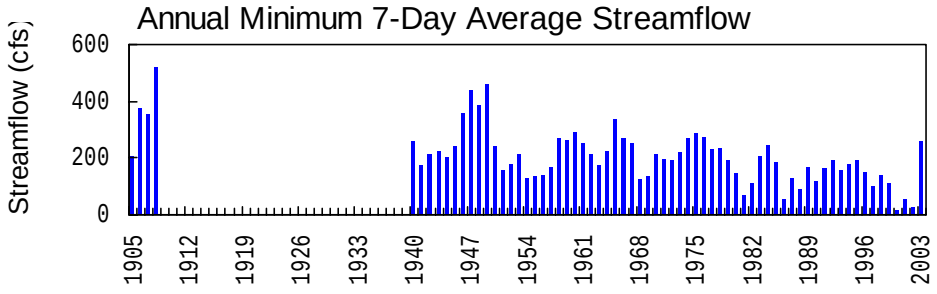
02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA

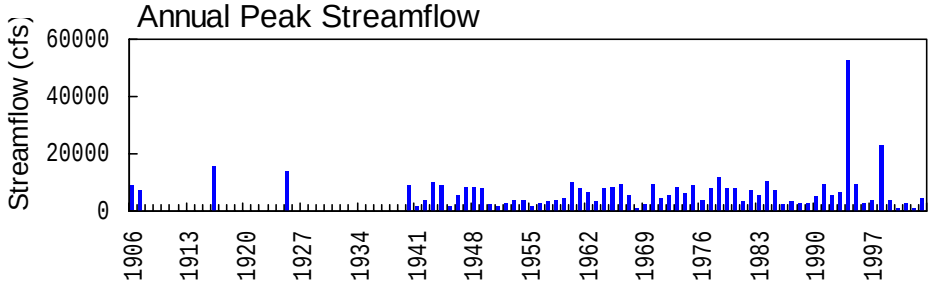
Latitude: 31°22'58" Longitude: 084°32'52" Hydrologic Unit Code: 03130009 Baker County
Drainage Area: 620.0 mi² Datum: 150.3 feet

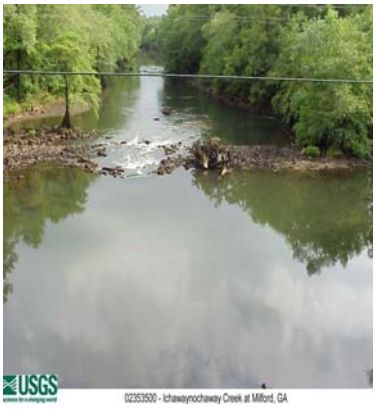












APALACHICOLA RIVER BASIN
2003 Water Year

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA

LOCATION.—Lat 31°22'58", long 84°32'52" referenced to North American Datum (NAD) of 1927, Baker County, Hydrologic Unit 03130009, on downstream end of left bank pier of bridge on GA 216 at Milford, 2.2 miles upstream from Alligator Creek, and 5.5 miles upstream from Chickasawhatchee Creek.

DRAINAGE AREA.—620 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District; Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—September 1905 to December 1907, October 1939 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 150.3 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). From August 29, 1905 to December 31, 1907, a non-recording gage was located at several sites within 450.00 feet of present site at various datums. From October 1, 1939 to November 10, 1941, a non-recording gage was located at site 100.00 feet downstream at present datum.

REMARKS.—Records good. Discharges during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation occurs at low flow.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood in July 1916 reached a stage of 17.2 feet, from information by local resident; discharge, 15,500 cfs.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 3,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
04/10	1600	4,250*	7.78*

No other peaks above base discharge

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—September 1905 to December 1907, October 1939 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 150.3 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). From August 29, 1905 to December 31, 1907, a non-recording gage was located at several sites within 450.00 feet of present site at various datums. From October 1, 1939 to November 10, 1941, a non-recording gage was located at site 100.00 feet downstream at present datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 7.78 feet, April 10; minimum gage-height recorded, 1.20 feet, October 14.

PRECIPITATION RECORDS

PERIOD OF RECORD.—November 7, 2002 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 312258 LONGITUDE 0843252 NAD27 DRAINAGE AREA 620.00* CONTRIBUTING DRAINAGE AREA DATUM 150.30 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	358	411	465	968	557	1320	753	796	276	293	617	485
2	320	362	453	1090	547	1550	699	643	257	371	634	441
3	286	324	438	1160	508	1520	648	613	257	438	638	412
4	265	307	427	1140	485	1520	608	657	318	560	596	395
5	249	325	426	1030	501	1560	575	732	405	753	552	523
6	241	371	465	932	490	1410	583	825	411	973	578	678
7	258	430	481	825	542	1240	676	804	604	1180	824	749
8	287	525	470	732	614	1160	1450	616	991	1130	1440	905
9	279	584	456	676	642	1420	2490	493	1380	1070	1520	929
10	272	519	437	654	611	1620	3930	430	1770	887	1260	731
11	263	558	437	627	575	1400	3580	377	1700	799	868	533
12	252	896	459	596	536	1170	2880	359	1250	744	712	437
13	243	1460	615	567	495	1020	2150	345	975	480	684	375
14	235	1880	949	546	463	981	1460	323	750	369	732	342
15	245	1900	1040	526	443	1060	1160	328	689	354	757	321
16	312	1580	1040	519	495	1160	981	348	626	383	831	317
17	452	1350	903	510	847	1250	891	328	534	405	814	349
18	572	1380	738	504	1030	1310	822	303	478	409	853	318
19	523	1440	609	498	1190	1400	759	286	448	363	1020	285
20	368	1250	635	489	1190	1550	716	307	627	332	1200	261
21	301	992	785	484	999	1800	668	333	1000	294	1090	258
22	270	853	899	487	879	2080	657	440	1370	297	843	263
23	259	736	927	610	913	2120	662	778	1300	455	699	314
24	312	654	892	583	1040	1830	616	923	810	775	798	449
25	537	599	1100	474	1210	1440	697	1020	474	1010	891	677
26	635	561	1360	463	1080	1110	1050	1000	348	1140	819	737
27	620	532	1600	400	1020	954	1240	840	278	968	580	633
28	548	508	1670	331	1170	902	1380	593	250	832	497	502
29	506	489	1400	413	---	863	1190	484	245	679	513	390
30	509	478	1090	442	---	819	997	395	254	525	509	342
31	467	---	901	506	---	793	---	328	---	642	517	---
TOTAL	11244	24254	24567	19782	21072	41332	36968	17047	21075	19910	24886	14351
MEAN	363	808	792	638	753	1333	1232	550	702	642	803	478
MAX	635	1900	1670	1160	1210	2120	3930	1020	1770	1180	1520	929
MIN	235	307	426	331	443	793	575	286	245	293	497	258
CFSM	0.59	1.30	1.28	1.03	1.21	2.15	1.99	0.89	1.13	1.04	1.29	0.77
IN.	0.67	1.46	1.47	1.19	1.26	2.48	2.22	1.02	1.26	1.19	1.49	0.86

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 2003, BY WATER YEAR (WY)

MEAN	447	499	807	1073	1235	1353	1072	673	542	618	481	405
MAX	1507	1461	2547	2383	2891	3336	3094	1871	1837	4382	1270	928
(WY)	1995	1948	1949	1964	1973	1998	1944	1971	1906	1994	1948	1994
MIN	138	210	241	304	371	315	374	124	41.7	96.6	87.2	145
(WY)	2001	2002	1956	1956	2001	1955	1968	2000	2000	1986	2000	1954

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1905 - 2003	
ANNUAL TOTAL	145465		276488			
ANNUAL MEAN	399		758		763	
HIGHEST ANNUAL MEAN					1391	1948
LOWEST ANNUAL MEAN					275	2000
HIGHEST DAILY MEAN	1900	Nov 15	3930	Apr 10	30000	Jul 7 1994
LOWEST DAILY MEAN	21	Aug 16	235	Oct 14	6.6	Aug 22 2000
ANNUAL SEVEN-DAY MINIMUM	30	Aug 13	256	Oct 9	17	Aug 27 2000
MAXIMUM PEAK FLOW			4250	Apr 10	53000	Jul 7 1994
MAXIMUM PEAK STAGE			7.78	Apr 10	23.20	Jul 7 1994
INSTANTANEOUS LOW FLOW			232	Oct 14	5.0	Aug 14 1986
ANNUAL RUNOFF (CFSM)	0.64		1.22		1.23	
ANNUAL RUNOFF (INCHES)	8.73		16.59		16.71	
10 PERCENT EXCEEDS	872		1380		1500	
50 PERCENT EXCEEDS	312		620		538	
90 PERCENT EXCEEDS	76		313		229	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 312258 LONGITUDE 0843252 NAD27 DRAINAGE AREA 620.00* CONTRIBUTING DRAINAGE AREA DATUM 150.30 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.50	1.58	1.66	2.25	1.77	2.86	1.98	2.03	1.35	1.39	1.84	1.68
2	1.43	1.50	1.64	2.46	1.76	3.36	1.93	1.87	1.28	1.52	1.86	1.62
3	1.37	1.44	1.62	2.57	1.71	3.28	1.87	1.84	1.28	1.62	1.86	1.58
4	1.31	1.41	1.60	2.53	1.68	3.29	1.83	1.88	1.43	1.77	1.82	1.55
5	1.26	1.44	1.60	2.35	1.70	3.38	1.79	1.96	1.57	1.98	1.76	1.73
6	1.23	1.52	1.65	2.19	1.69	3.04	1.80	2.06	1.58	2.26	1.80	1.91
7	1.29	1.61	1.68	2.06	1.75	2.72	1.90	2.03	1.82	2.60	2.09	1.98
8	1.38	1.73	1.66	1.96	1.84	2.57	3.18	1.84	2.29	2.52	3.12	2.16
9	1.36	1.80	1.64	1.90	1.87	3.11	5.15	1.69	2.99	2.42	3.29	2.19
10	1.34	1.72	1.62	1.88	1.83	3.53	7.35	1.61	3.84	2.13	2.77	1.96
11	1.30	1.77	1.62	1.85	1.79	3.04	6.87	1.53	3.69	2.03	2.11	1.74
12	1.27	2.18	1.65	1.82	1.75	2.60	5.80	1.50	2.73	1.97	1.94	1.62
13	1.23	3.16	1.83	1.78	1.69	2.34	4.55	1.48	2.26	1.67	1.91	1.52
14	1.21	4.05	2.22	1.76	1.65	2.27	3.16	1.44	1.98	1.51	1.96	1.47
15	1.24	4.09	2.37	1.73	1.62	2.39	2.57	1.45	1.92	1.49	1.99	1.44
16	1.41	3.44	2.37	1.72	1.69	2.58	2.27	1.48	1.85	1.54	2.06	1.43
17	1.64	2.93	2.15	1.71	2.09	2.73	2.13	1.45	1.74	1.57	2.04	1.48
18	1.79	2.98	1.97	1.71	2.35	2.83	2.05	1.40	1.67	1.57	2.09	1.43
19	1.73	3.12	1.83	1.70	2.62	3.02	1.99	1.37	1.63	1.50	2.33	1.37
20	1.51	2.74	1.86	1.69	2.61	3.37	1.95	1.41	1.84	1.45	2.64	1.30
21	1.40	2.29	2.01	1.68	2.30	3.91	1.90	1.45	2.31	1.38	2.46	1.28
22	1.33	2.09	2.14	1.69	2.12	4.43	1.88	1.61	2.97	1.39	2.08	1.31
23	1.29	1.97	2.18	1.83	2.16	4.49	1.89	2.01	2.84	1.63	1.93	1.42
24	1.41	1.88	2.13	1.80	2.37	3.96	1.84	2.18	2.06	2.01	2.03	1.63
25	1.75	1.82	2.47	1.67	2.65	3.11	1.92	2.33	1.66	2.31	2.13	1.90
26	1.86	1.78	2.95	1.65	2.44	2.49	2.38	2.31	1.48	2.53	2.05	1.97
27	1.84	1.74	3.47	1.56	2.34	2.22	2.71	2.08	1.35	2.25	1.80	1.86
28	1.76	1.71	3.64	1.45	2.59	2.15	2.97	1.81	1.26	2.06	1.70	1.70
29	1.71	1.69	3.04	1.58	---	2.10	2.62	1.68	1.24	1.90	1.72	1.55
30	1.71	1.67	2.44	1.62	---	2.05	2.30	1.55	1.28	1.73	1.71	1.47
31	1.66	---	2.15	1.71	---	2.02	---	1.45	---	1.87	1.72	---
MEAN	1.47	2.16	2.09	1.87	2.02	2.94	2.82	1.73	1.97	1.86	2.08	1.64
MAX	1.86	4.09	3.64	2.57	2.65	4.49	7.35	2.33	3.84	2.60	3.29	2.19
MIN	1.21	1.41	1.60	1.45	1.62	2.02	1.79	1.37	1.24	1.38	1.70	1.28

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 312258 LONGITUDE 0843252 NAD27 DRAINAGE AREA 620.00* CONTRIBUTING DRAINAGE AREA DATUM 150.30 NGVD29

APPROVED

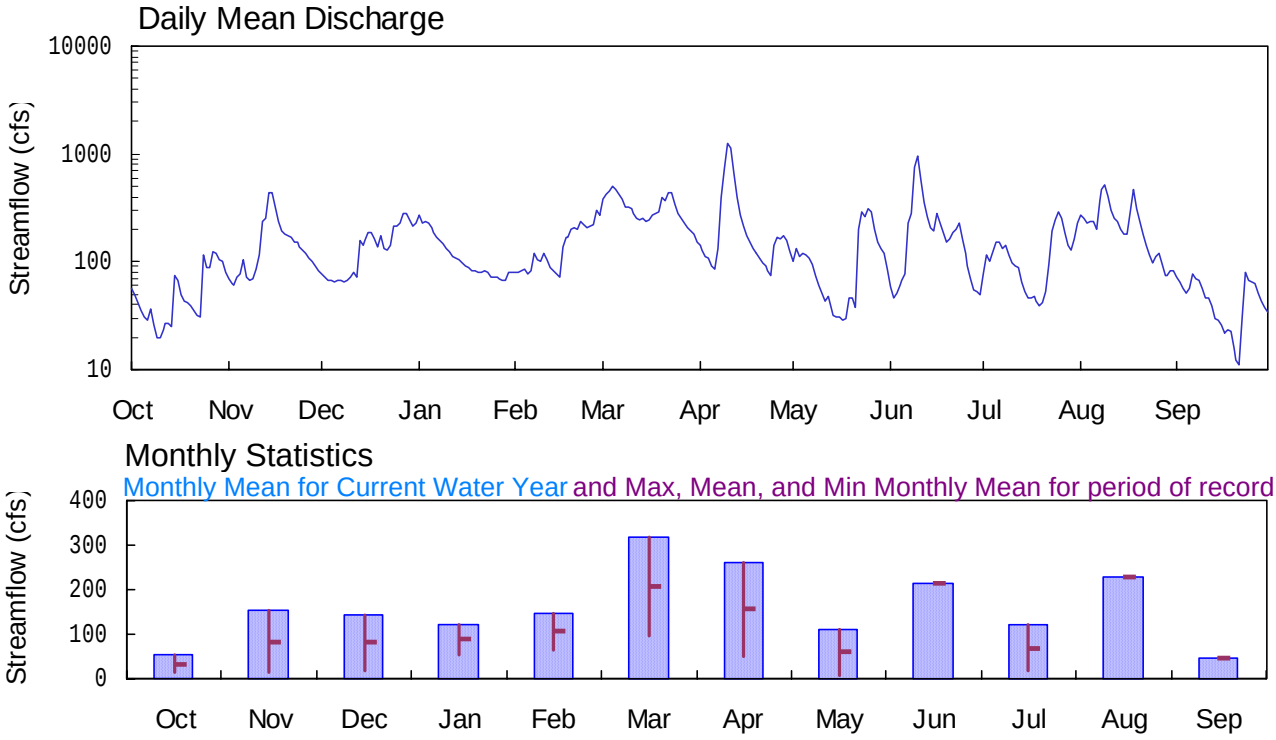
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

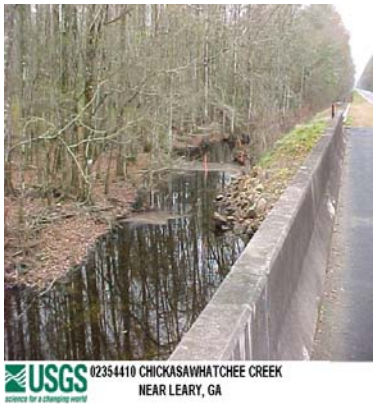
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	0.00	0.01	0.00	2.41	0.00	0.31	0.00	0.89	1.89	0.00
2	---	---	0.00	0.00	0.00	0.02	0.00	0.04	0.00	0.31	0.01	0.00
3	---	---	0.00	0.00	0.00	---	0.00	0.13	0.13	0.02	0.65	0.00
4	---	---	0.00	0.00	0.14	---	0.00	0.01	0.00	0.00	0.20	0.15
5	---	---	0.30	0.01	0.00	0.04	0.00	0.00	0.00	0.01	0.02	0.37
6	---	---	0.00	0.00	0.85	0.03	0.00	0.00	1.41	0.06	0.00	0.00
7	---	0.00	0.00	0.00	0.01	0.72	2.72	0.00	0.96	0.05	0.78	0.00
8	---	0.00	0.00	0.00	0.00	0.26	3.39	0.00	0.72	0.00	0.00	0.00
9	---	0.00	0.00	0.00	0.03	1.99	0.24	0.00	0.00	0.00	0.00	0.00
10	---	0.01	0.11	0.00	0.34	0.00	0.02	0.00	0.00	0.00	0.00	0.00
11	---	1.29	0.01	0.00	0.00	0.00	0.00	0.23	0.33	0.00	0.00	0.00
12	---	1.12	0.01	0.00	0.00	0.00	0.00	0.01	0.30	0.02	0.22	0.00
13	---	0.00	1.25	0.00	0.00	0.06	0.06	0.00	0.11	0.00	0.11	0.00
14	---	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.03	0.00	0.01	0.01
15	---	0.01	0.00	0.00	0.00	0.00	0.00	0.22	0.01	0.00	0.00	0.00
16	---	0.55	0.00	0.00	1.54	0.01	0.00	0.01	0.00	0.00	0.50	0.00
17	---	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.17	0.00	0.02	0.00
18	---	0.00	0.00	0.00	0.00	0.09	0.00	0.02	0.26	0.00	0.01	0.00
19	---	0.00	0.50	0.00	0.00	0.43	0.00	0.13	0.01	0.51	0.30	0.00
20	---	0.00	0.08	0.00	0.00	1.00	0.00	0.00	0.01	0.00	0.03	0.00
21	---	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.01	0.58	0.03	0.22
22	---	0.00	0.00	0.02	0.58	0.00	0.00	1.76	0.00	0.85	0.26	1.48
23	---	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.72	0.01	0.01
24	---	0.00	1.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	---	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.07	0.46
26	---	0.00	0.00	0.00	0.47	0.00	0.01	0.01	0.00	0.00	0.01	0.00
27	---	0.00	0.00	0.00	0.97	0.00	0.00	0.01	0.00	0.00	0.00	0.00
28	---	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.98	0.00
29	---	0.00	0.00	0.00	---	0.00	0.00	0.00	0.21	0.07	1.11	0.00
30	---	0.00	0.00	0.46	---	0.15	0.04	0.00	0.00	1.23	0.03	0.00
31	---	---	0.96	0.00	---	0.00	---	0.00	---	0.11	0.00	---
TOTAL	---	---	4.54	0.50	5.06	---	6.58	2.89	4.67	6.43	7.25	2.70

2003 Water Year

02354410 CHICKASAWHATCHEE CREEK NEAR LEARY, GA

Latitude: 31°30'13" Longitude: 084°25'50" Hydrologic Unit Code: 03130009 Calhoun County
Drainage Area: 157 mi^2 Datum: 173.0 feet





APALACHICOLA RIVER BASIN
2003 Water Year

02354410 CHICKASAWHATCHEE CREEK NEAR LEARY, GA

LOCATION.—Lat 31°30'13", long 84°25'50" referenced to North American Datum (NAD) of 1927, Calhoun County, Hydrologic Unit 03130009, on GA 62, 5.2 miles east of Leary.

DRAINAGE AREA.—157 square miles.

COOPERATION.—Albany-Dougherty Planning Commission.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 4, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 180.27 feet above National Adjusted Vertical Datum (NAVD) of 1988. Prior to October 1, 2002, datum of gage was 173.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair. Periods of no flow occur occasionally during the water year.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 4, 2001 to current year.

GAGE.— Satellite telemetry with a water-stage recorder. Datum of gage is 180.27 feet above National Adjusted Vertical Datum (NAVD) of 1988. Prior to October 1, 2002, datum of gage was 173.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair. Periods of no flow occur occasionally during the water year.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 7.13 feet, April 10; minimum gage-height recorded, 5.12 feet, September 20, 21.

PRECIPITATION RECORDS

PERIOD OF RECORD.—August 4, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354410 CHICKASAWHATCHEE CREEK NEAR LEARY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 037
LATITUDE 313013 LONGITUDE 0842550 NAD83 DRAINAGE AREA 157* CONTRIBUTING DRAINAGE AREA DATUM 173.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	69	e77	267	79	380	140	102	58	76	275	71
2	50	63	e73	227	79	429	128	134	46	117	255	64
3	42	61	e67	234	81	454	112	112	51	102	232	56
4	35	71	e67	230	85	503	107	119	60	126	237	51
5	31	76	e65	207	78	474	93	116	68	154	236	56
6	28	104	e67	185	82	417	86	107	77	152	203	78
7	36	71	e67	166	118	385	133	93	233	132	374	69
8	26	68	e65	155	104	326	401	75	285	141	463	68
9	20	71	e68	145	102	327	740	61	750	118	520	57
10	19	85	e72	135	120	306	1270	51	959	98	408	46
11	23	117	79	123	104	285	1140	43	578	92	299	46
12	27	236	73	113	89	257	653	48	353	90	255	39
13	27	255	156	108	81	246	394	37	261	66	234	30
14	25	437	140	103	76	250	273	32	205	53	203	29
15	74	444	159	96	71	233	210	31	192	47	180	26
16	67	318	189	92	137	247	177	31	277	47	180	22
17	49	234	185	89	169	275	153	29	231	48	286	23
18	43	195	160	84	168	277	134	30	185	43	473	22
19	41	182	139	81	197	290	119	47	153	39	310	16
20	39	177	172	81	208	389	106	46	165	42	237	12
21	36	170	134	81	200	366	98	38	184	53	180	11
22	32	155	129	82	233	431	92	201	200	94	142	31
23	31	e151	142	79	220	442	82	288	230	192	114	79
24	118	e137	212	72	209	344	74	258	165	244	98	66
25	87	e128	211	71	214	285	143	307	120	289	111	64
26	88	e119	229	72	224	252	171	291	90	252	120	63
27	123	107	284	69	299	228	165	201	70	187	96	51
28	120	e100	279	68	270	210	173	150	55	140	75	44
29	103	e90	245	68	---	190	158	134	52	127	75	38
30	102	e83	213	79	---	178	125	119	50	162	83	34
31	79	---	231	80	---	153	---	85	---	230	81	---
TOTAL	1677	4574	4449	3742	4097	9829	7850	3416	6403	3753	7035	1362
MEAN	54.1	152	144	121	146	317	262	110	213	121	227	45.4
MAX	123	444	284	267	299	503	1270	307	959	289	520	79
MIN	19	61	65	68	71	153	74	29	46	39	75	11
CFSM	0.34	0.97	0.91	0.77	0.93	2.02	1.67	0.70	1.36	0.77	1.45	0.29
IN.	0.40	1.08	1.05	0.89	0.97	2.33	1.86	0.81	1.52	0.89	1.67	0.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	33.7	83.6	80.4	87.6	106	208	156	59.0	213	69.4	227	45.4
MAX	54.1	152	144	121	146	317	262	110	213	121	227	45.4
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	13.3	14.8	17.3	54.5	65.9	98.2	50.8	7.80	213	17.8	227	45.4
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2003	2002	2003	2003

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	58187			
ANNUAL MEAN	159		159	
HIGHEST ANNUAL MEAN			159	2003
LOWEST ANNUAL MEAN			159	2003
HIGHEST DAILY MEAN	1270	Apr 10	1270	Apr 10 2003
LOWEST DAILY MEAN	11	Sep 21	0.00	Aug 19 2002
ANNUAL SEVEN-DAY MINIMUM	19	Sep 15	0.26	May 26 2002
MAXIMUM PEAK FLOW	1360	Apr 10	1360	Apr 10 2003
MAXIMUM PEAK STAGE	7.13	Apr 10	7.13	Apr 10 2003
INSTANTANEOUS LOW FLOW	10	Sep 20	0.00	Jun 2 2002
ANNUAL RUNOFF (CFSM)	1.02		1.02	
ANNUAL RUNOFF (INCHES)	13.79		13.80	
10 PERCENT EXCEEDS	299		299	
50 PERCENT EXCEEDS	118		118	
90 PERCENT EXCEEDS	40		40	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354410 CHICKASAWHATCHEE CREEK NEAR LEARY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 037
LATITUDE 313013 LONGITUDE 0842550 NAD83 DRAINAGE AREA 157* CONTRIBUTING DRAINAGE AREA DATUM 173.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.63	5.77	---	6.36	5.77	6.41	5.89	5.88	5.64	5.73	6.27	5.73
2	5.60	5.74	---	6.27	5.77	6.50	5.86	6.00	5.55	5.94	6.23	5.68
3	5.54	5.73	---	6.29	5.78	6.53	5.81	5.93	5.59	5.89	6.18	5.63
4	5.50	5.78	---	6.28	5.80	6.59	5.80	5.95	5.66	5.96	6.18	5.59
5	5.48	5.80	---	6.22	5.76	6.55	5.75	5.94	5.71	6.06	6.18	5.63
6	5.46	5.91	---	6.17	5.78	6.48	5.73	5.91	5.76	6.06	6.10	5.76
7	5.54	5.78	---	6.11	5.95	6.44	5.90	5.84	6.25	5.99	6.40	5.71
8	5.46	5.76	---	6.08	5.89	6.34	6.51	5.75	6.35	6.02	6.55	5.71
9	5.41	5.77	---	6.05	5.88	6.35	6.82	5.66	6.83	5.95	6.62	5.63
10	5.41	5.84	---	6.01	5.96	6.30	7.09	5.59	6.96	5.87	6.48	5.56
11	5.45	5.95	5.77	5.97	5.89	6.24	7.04	5.52	6.71	5.84	6.29	5.55
12	5.48	6.29	5.74	5.93	5.82	6.17	6.77	5.57	6.46	5.83	6.20	5.49
13	5.49	6.34	6.07	5.91	5.78	6.14	6.52	5.47	6.31	5.69	6.15	5.40
14	5.47	6.59	6.03	5.89	5.76	6.15	6.33	5.42	6.19	5.61	6.09	5.39
15	5.78	6.60	6.09	5.86	5.73	6.10	6.20	5.41	6.16	5.56	6.05	5.36
16	5.75	6.46	6.18	5.84	5.97	6.14	6.12	5.41	6.34	5.56	6.04	5.31
17	5.66	6.29	6.17	5.83	6.08	6.22	6.06	5.39	6.25	5.57	6.21	5.33
18	5.61	6.20	6.10	5.80	6.04	6.22	6.00	5.40	6.14	5.52	6.55	5.31
19	5.60	6.16	6.03	5.78	6.10	6.26	5.95	5.56	6.06	5.49	6.31	5.22
20	5.58	6.15	6.13	5.78	6.10	6.44	5.90	5.55	6.09	5.52	6.16	5.16
21	5.56	6.12	6.01	5.78	6.04	6.42	5.87	5.48	6.14	5.61	6.05	5.14
22	5.53	6.08	5.99	5.79	6.11	6.50	5.84	6.06	6.18	5.81	5.97	5.34
23	5.52	---	6.04	5.77	6.06	6.52	5.79	6.36	6.25	6.13	5.90	5.77
24	5.95	---	6.23	5.73	6.03	6.38	5.74	6.31	6.09	6.25	5.85	5.70
25	5.85	---	6.23	5.73	6.04	6.25	5.99	6.39	5.95	6.34	5.90	5.68
26	5.85	---	6.28	5.73	6.07	6.16	6.11	6.36	5.83	6.27	5.93	5.68
27	5.97	5.91	6.40	5.72	6.28	6.09	6.09	6.18	5.72	6.12	5.85	5.60
28	5.96	---	6.39	5.71	6.21	6.04	6.12	6.05	5.62	5.99	5.75	5.54
29	5.91	---	6.31	5.71	---	6.00	6.07	6.00	5.60	5.95	5.75	5.50
30	5.90	---	6.24	5.77	---	5.97	5.97	5.95	5.58	6.02	5.79	5.46
31	5.81	---	6.28	5.78	---	5.92	---	5.80	---	6.19	5.78	---
MEAN	5.64	---	---	5.92	5.94	6.28	6.12	5.81	6.07	5.88	6.12	5.52
MAX	5.97	---	---	6.36	6.28	6.59	7.09	6.39	6.96	6.34	6.62	5.77
MIN	5.41	---	---	5.71	5.73	5.92	5.73	5.39	5.55	5.49	5.75	5.14

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354410 CHICKASAWHATCHEE CREEK NEAR LEARY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 037
LATITUDE 313013 LONGITUDE 0842550 NAD83 DRAINAGE AREA 157* CONTRIBUTING DRAINAGE AREA DATUM 173.00 NGVD29

APPROVED

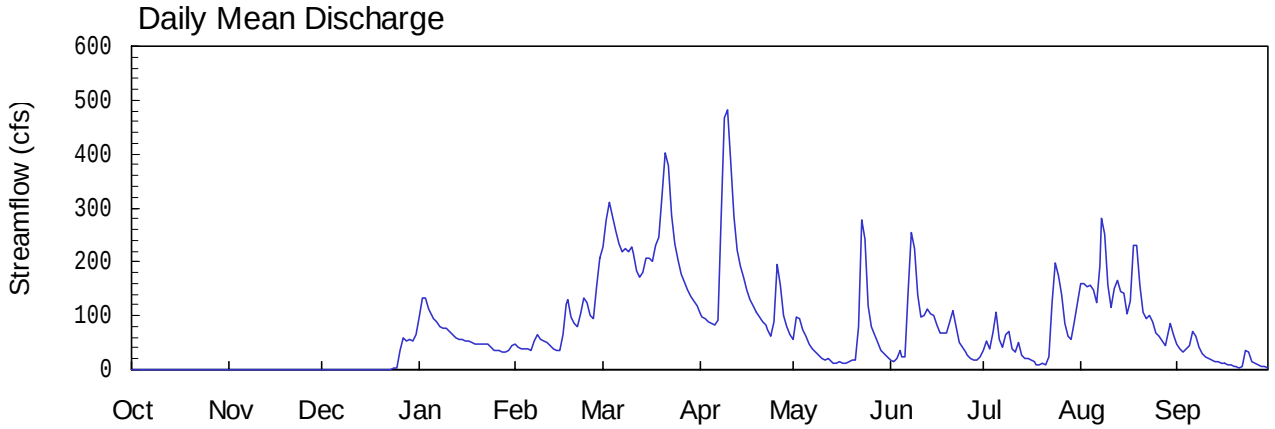
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

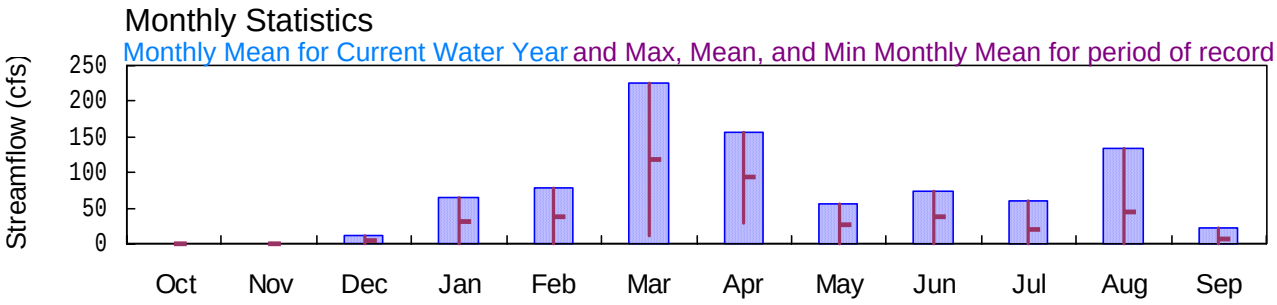
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	0.02	0.00	1.46	0.00	0.82	0.00	0.49	2.03	0.00
2	---	---	---	0.01	0.00	0.00	0.00	0.02	0.03	0.00	0.00	0.00
3	---	---	---	0.00	0.00	0.27	0.00	0.08	0.13	0.15	0.12	0.00
4	---	---	---	0.00	0.10	0.15	0.00	0.01	0.01	0.37	0.14	0.00
5	---	---	---	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.05	0.54
6	---	---	---	0.00	0.60	0.01	0.00	0.00	0.97	0.15	0.00	0.00
7	---	---	---	0.00	0.01	0.44	2.70	0.00	0.79	0.43	2.66	0.00
8	---	---	---	0.00	0.00	0.03	2.58	0.00	0.13	0.00	0.00	0.00
9	---	---	---	0.00	0.02	0.61	0.24	0.00	0.00	0.00	0.00	0.00
10	---	---	0.14	0.00	0.36	0.00	0.07	0.00	0.00	0.00	0.04	0.00
11	---	---	0.00	0.00	0.00	0.00	0.00	0.48	0.34	0.19	0.04	0.00
12	---	---	0.02	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.17	0.00
13	---	---	1.14	0.00	0.00	0.57	0.00	0.00	0.01	0.00	0.05	0.00
14	---	---	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
15	---	---	0.00	0.00	0.00	0.24	0.00	0.03	0.00	0.01	0.14	0.00
16	---	---	0.00	0.04	1.34	0.01	0.00	0.00	0.00	0.00	0.21	0.00
17	---	---	0.00	0.00	0.01	0.50	0.00	0.00	0.02	0.00	1.88	0.00
18	---	---	0.00	0.00	0.00	0.04	0.00	0.12	0.14	0.07	0.00	0.00
19	---	---	0.36	0.00	0.00	0.33	0.00	0.36	0.29	0.11	0.00	0.00
20	---	---	0.28	0.00	0.00	1.04	0.00	0.00	0.53	0.00	0.00	0.00
21	---	---	0.00	0.00	0.17	0.00	0.11	0.13	0.01	0.11	0.00	0.01
22	---	---	0.00	0.00	0.46	0.00	0.00	3.30	0.00	0.71	0.00	1.15
23	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.76	0.00	0.03
24	---	---	1.22	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
25	---	---	0.00	0.00	0.00	0.00	1.61	0.00	0.00	0.38	0.31	0.00
26	---	---	0.00	0.00	0.54	0.00	0.09	0.06	0.00	0.01	0.00	0.00
27	---	---	0.00	0.00	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00
29	---	---	0.00	0.00	---	0.00	0.00	0.00	0.12	0.32	0.35	0.00
30	---	---	0.00	0.32	---	0.16	0.01	0.00	0.00	1.51	0.05	0.00
31	---	---	1.30	0.00	---	0.00	---	0.00	---	0.20	0.00	---
TOTAL	---	---	---	0.39	4.37	5.91	7.43	5.41	3.82	6.97	8.32	1.73

2003 Water Year

02354440 KIOKEE CREEK NEAR PRETORIA, GA

Latitude: 31°30'13" Longitude: 084°22'01" Hydrologic Unit Code: 03130009 Dougherty County
Drainage Area: 67.0 mi^2 Datum: 175.0 feet





NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2003 Water Year

02354440 KIOKEE CREEK NEAR PRETORIA, GA

LOCATION.—Lat 31°30'13", long 84°22'01" referenced to North American Datum (NAD) of 1927, Dougherty County, Hydrologic Unit 03130009, on GA 62, 3.0 miles west of Pretoria.

DRAINAGE AREA.—67.0 square miles.

COOPERATION.—Albany-Dougherty Planning Commission.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 20, 2001 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 173.97 feet above National Adjusted Vertical Datum (NAVD) of 1988. Previous to October 1, 2002, datum of gage was 175.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair. Periods of no flow may occur frequently during the water year.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 20, 2001 to current year.

GAGE.— Satellite telemetry with a water-stage recorder. Datum of gage is 173.97 feet above National Adjusted Vertical Datum (NAVD) of 1988. Previous to October 1, 2002, datum of gage was 175.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 6.09 feet, April 9; minimum gage-height recorded, 1.57 feet, but is lower many times during the water year due to gage being out of the water.

PRECIPITATION RECORDS

PERIOD OF RECORD.— June 20, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354440 KIOKEE CREEK NEAR PRETORIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 095
LATITUDE 313013 LONGITUDE 0842201 NAD83 DRAINAGE AREA 67.0* CONTRIBUTING DRAINAGE AREA DATUM 175.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	98	47	227	104	56	19	35	158	47
2	0.00	0.00	0.00	133	42	277	98	97	15	53	161	38
3	0.00	0.00	0.00	133	38	311	93	93	20	37	154	33
4	0.00	0.00	0.00	111	38	284	89	75	35	67	157	40
5	0.00	0.00	0.00	101	37	257	86	61	25	106	148	44
6	0.00	0.00	0.00	95	37	234	82	49	24	56	125	72
7	0.00	0.00	0.00	89	54	219	92	38	144	40	191	62
8	0.00	0.00	0.00	81	64	223	285	31	254	65	280	41
9	0.00	0.00	0.00	78	56	219	466	26	226	72	251	31
10	0.00	0.00	0.00	77	53	228	482	21	139	38	157	25
11	0.00	0.00	0.00	72	52	215	384	18	97	31	117	20
12	0.00	0.00	0.00	65	45	185	283	20	102	51	149	17
13	0.00	0.00	0.02	60	39	171	221	15	113	27	165	15
14	0.00	0.00	0.03	57	36	182	191	12	105	21	144	14
15	0.00	0.00	0.07	56	35	206	171	12	102	21	141	13
16	0.00	0.00	0.14	54	65	207	147	14	83	17	104	12
17	0.00	0.00	0.21	54	121	202	129	12	67	13	128	9.6
18	0.00	0.00	0.25	51	129	231	118	11	67	9.9	231	7.4
19	0.00	0.00	0.31	49	98	245	106	16	68	8.9	231	5.8
20	0.00	0.00	1.1	47	85	321	96	19	88	13	157	4.6
21	0.00	0.00	0.90	47	81	402	88	17	110	9.0	107	3.7
22	0.00	0.00	0.79	49	104	379	84	81	79	23	95	5.1
23	0.00	0.00	0.75	47	134	286	74	278	52	123	100	35
24	0.00	0.00	2.9	41	123	235	62	242	40	199	88	31
25	0.00	0.00	3.0	36	100	203	89	117	34	175	69	15
26	0.00	0.00	36	35	95	179	196	80	27	140	62	11
27	0.00	0.00	58	35	154	163	157	65	22	85	54	9.0
28	0.00	0.00	54	34	206	149	99	51	17	62	46	7.1
29	0.00	0.00	55	33	---	135	79	37	17	56	59	4.6
30	0.00	0.00	54	36	---	127	66	29	23	89	86	2.9
31	0.00	---	64	44	---	117	---	24	---	123	64	---
TOTAL	0.00	0.00	331.47	1998	2168	7019	4717	1717	2214	1865.8	4179	675.8
MEAN	0.000	0.000	10.7	64.5	77.4	226	157	55.4	73.8	60.2	135	22.5
MAX	0.00	0.00	64	133	206	402	482	278	254	199	280	72
MIN	0.00	0.00	0.00	33	35	117	62	11	15	8.9	46	2.9
CFSM	0.00	0.00	0.16	0.96	1.16	3.38	2.35	0.83	1.10	0.90	2.01	0.34
IN.	0.00	0.00	0.18	1.11	1.20	3.90	2.62	0.95	1.23	1.04	2.32	0.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	0.000	0.000	5.35	32.2	38.7	119	92.7	27.8	36.9	20.1	44.9	7.51
MAX	0.000	0.000	10.7	64.5	77.4	226	157	55.4	73.8	60.2	135	22.5
(WY)	2002	2002	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	0.000	0.000	0.000	0.000	0.000	10.6	28.2	0.29	0.000	0.000	0.000	0.000
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2001	2001

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	1514.34		26885.07			
ANNUAL MEAN	4.15		73.7		38.4	
HIGHEST ANNUAL MEAN					73.7	2003
LOWEST ANNUAL MEAN					3.24	2002
HIGHEST DAILY MEAN	70	Apr 14	482	Apr 10	482	Apr 10 2003
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Jul 7 2001
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Jul 7 2001
MAXIMUM PEAK FLOW			507	Apr 9	507	Apr 9 2003
MAXIMUM PEAK STAGE			6.09	Apr 9	6.09	Apr 9 2003
ANNUAL RUNOFF (CFSM)	0.062		1.10		0.57	
ANNUAL RUNOFF (INCHES)	0.84		14.93		7.80	
10 PERCENT EXCEEDS	16		202		128	
50 PERCENT EXCEEDS	0.00		47		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354440 KIOKEE CREEK NEAR PRETORIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 095
LATITUDE 313013 LONGITUDE 0842201 NAD83 DRAINAGE AREA 67.0* CONTRIBUTING DRAINAGE AREA DATUM 175.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.57	1.57	2.54	4.80	4.42	5.35	4.83	4.51	4.07	4.29	5.07	4.42
2	1.57	1.57	2.51	4.97	4.38	5.51	4.79	4.78	4.00	4.48	5.08	4.33
3	1.57	1.57	2.50	4.96	4.34	5.61	4.76	4.76	4.09	4.32	5.05	4.27
4	1.57	1.57	2.49	4.86	4.33	5.54	4.74	4.65	4.30	4.56	5.06	4.35
5	1.57	1.57	2.56	4.81	4.32	5.45	4.72	4.54	4.17	4.83	5.03	4.39
6	1.57	1.57	2.59	4.77	4.32	5.37	4.69	4.44	4.14	4.50	4.93	4.63
7	1.57	1.57	2.58	4.74	4.49	5.32	4.75	4.34	5.00	4.36	5.19	4.55
8	1.57	1.57	2.58	4.69	4.57	5.33	5.51	4.25	5.44	4.57	5.52	4.38
9	1.57	1.57	2.60	4.67	4.50	5.32	6.00	4.18	5.34	4.62	5.43	4.26
10	1.57	1.57	2.63	4.66	4.48	5.35	6.03	4.11	4.98	4.33	5.07	4.19
11	1.57	1.57	2.68	4.63	4.47	5.30	5.81	4.07	4.78	4.25	4.89	4.12
12	1.57	1.57	2.68	4.58	4.40	5.18	5.53	4.08	4.81	4.45	5.03	4.06
13	1.57	1.57	3.12	4.54	4.35	5.12	5.32	4.00	4.87	4.20	5.09	4.03
14	1.57	1.67	3.30	4.52	4.31	5.17	5.21	3.95	4.83	4.10	5.01	4.01
15	1.57	1.82	3.34	4.50	4.30	5.26	5.13	3.96	4.81	4.10	5.00	4.01
16	1.57	2.00	3.40	4.49	4.55	5.27	5.02	3.99	4.70	4.04	4.83	3.99
17	1.57	2.16	3.43	4.49	4.91	5.25	4.95	3.95	4.59	3.98	4.93	3.94
18	1.57	2.24	3.44	4.46	4.95	5.36	4.89	3.94	4.59	3.91	5.36	3.89
19	1.57	2.31	3.47	4.44	4.79	5.41	4.84	4.02	4.60	3.88	5.36	3.84
20	1.57	2.38	3.60	4.42	4.71	5.64	4.78	4.07	4.73	3.97	5.07	3.81
21	1.57	2.45	3.57	4.42	4.69	5.85	4.73	4.04	4.85	3.89	4.84	3.78
22	1.57	2.49	3.55	4.44	4.82	5.80	4.70	4.56	4.67	4.11	4.77	3.82
23	1.57	2.49	3.55	4.42	4.97	5.54	4.64	5.51	4.47	4.89	4.80	4.37
24	1.57	2.50	3.69	4.36	4.92	5.37	4.55	5.38	4.36	5.24	4.73	4.32
25	1.57	2.52	3.72	4.31	4.80	5.26	4.72	4.89	4.28	5.14	4.61	4.08
26	1.57	2.52	4.30	4.30	4.77	5.16	5.23	4.68	4.20	4.99	4.55	4.01
27	1.57	2.53	4.56	4.30	5.05	5.09	5.06	4.57	4.12	4.71	4.49	3.96
28	1.57	2.51	4.52	4.29	5.27	5.03	4.80	4.46	4.05	4.55	4.41	3.91
29	1.57	2.51	4.52	4.28	---	4.97	4.67	4.32	4.04	4.50	4.52	3.84
30	1.57	2.54	4.51	4.31	---	4.94	4.58	4.22	4.14	4.74	4.72	3.77
31	1.57	---	4.57	4.40	---	4.89	---	4.15	---	4.92	4.57	---
MEAN	1.57	2.00	3.33	4.54	4.61	5.32	5.00	4.37	4.53	4.43	4.94	4.11
MAX	1.57	2.54	4.57	4.97	5.27	5.85	6.03	5.51	5.44	5.24	5.52	4.63
MIN	1.57	1.57	2.49	4.28	4.30	4.89	4.55	3.94	4.00	3.88	4.41	3.77

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354440 KIOKEE CREEK NEAR PRETORIA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 095
LATITUDE 313013 LONGITUDE 0842201 NAD83 DRAINAGE AREA 67.0* CONTRIBUTING DRAINAGE AREA DATUM 175.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

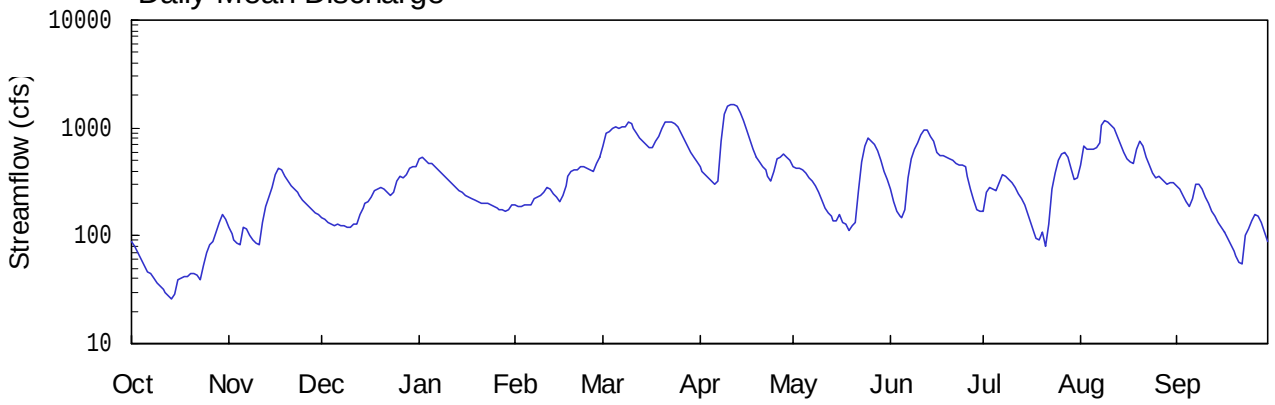
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.08	0.01	0.00	0.00	0.75	0.00	0.61	0.48	0.00
2	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.09	0.04	0.01	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.07	0.15	0.00	0.23	0.00
4	0.00	0.25	0.00	0.00	0.09	0.14	0.00	0.00	0.02	0.44	1.15	0.00
5	0.00	0.74	0.25	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.05	0.91
6	0.40	0.13	0.00	0.00	0.08	0.02	0.00	0.00	1.37	0.07	0.07	0.00
7	0.18	0.00	0.00	0.00	0.25	0.52	2.07	0.00	1.10	0.41	2.18	0.00
8	0.00	0.00	0.00	0.00	0.09	0.02	2.08	0.00	0.17	0.00	0.00	0.00
9	0.00	0.01	0.00	0.00	0.04	0.40	0.18	0.00	0.00	0.00	0.00	0.00
10	0.00	0.05	0.14	0.01	0.07	0.00	0.09	0.00	0.00	0.00	0.00	0.00
11	0.00	0.53	0.00	0.00	0.01	0.00	0.00	0.53	0.07	0.46	0.03	0.00
12	0.00	0.93	0.02	0.00	0.02	0.00	0.00	0.00	0.27	0.01	0.44	0.00
13	0.00	0.00	1.23	0.00	0.01	0.54	0.00	0.00	0.16	0.00	0.00	0.00
14	0.32	0.00	0.01	0.00	0.01	0.16	0.00	0.00	0.75	0.00	0.07	0.00
15	0.38	0.01	0.00	0.00	0.02	0.30	0.00	0.07	0.00	0.00	0.10	0.00
16	0.00	0.49	0.00	0.04	0.32	0.02	0.00	0.00	0.00	0.00	0.21	0.00
17	0.00	0.04	0.00	0.00	0.11	0.73	0.00	0.00	0.03	0.00	2.30	0.00
18	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.40	0.14	0.00	0.00	0.00
19	0.00	0.00	0.20	0.00	0.04	0.27	0.00	0.19	0.55	0.01	0.00	0.00
20	0.00	0.00	0.39	0.00	0.08	1.54	0.00	0.00	0.63	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.04	0.00	0.08	0.48	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.05	0.00	0.01	2.23	0.00	1.44	0.00	1.15
23	0.96	0.00	0.00	0.00	0.02	0.00	0.00	0.01	0.00	1.80	0.00	0.04
24	0.46	0.00	1.25	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00
25	0.02	0.00	0.00	0.00	0.01	0.00	1.54	0.00	0.00	1.04	0.00	0.00
26	0.10	0.00	0.00	0.00	0.01	0.00	0.11	0.06	0.00	0.01	0.00	0.00
27	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
28	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00
29	0.42	0.00	0.00	0.00	---	0.00	0.00	0.00	0.27	0.31	1.08	0.00
30	0.02	0.00	0.00	0.28	---	0.18	0.00	0.00	0.00	0.57	0.13	0.00
31	0.00	---	1.49	0.00	---	0.00	---	0.00	---	0.13	0.00	---
TOTAL	3.39	3.18	4.98	0.42	1.45	5.26	6.18	4.89	5.72	7.32	8.63	2.10

2003 Water Year

02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA

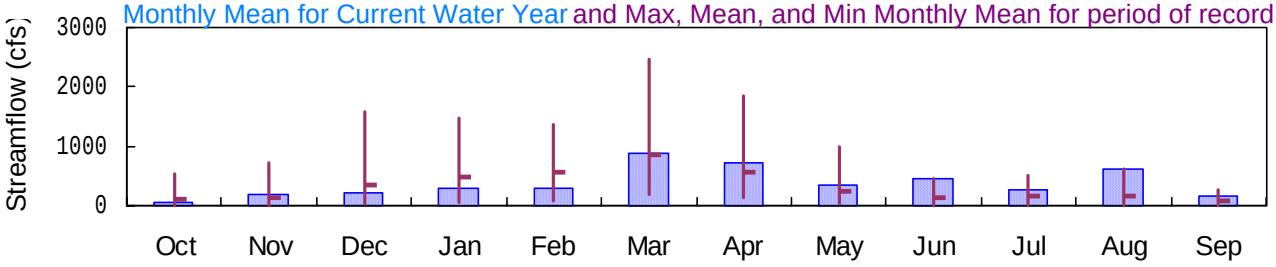
Latitude: 31°21'02" Longitude: 084°28'57" Hydrologic Unit Code: 03130009 Baker County
Drainage Area: 320.0 mi² Datum: 137.7 feet

Daily Mean Discharge

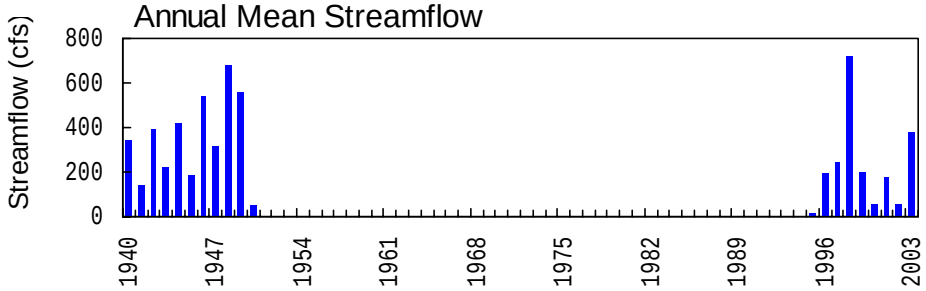


Monthly Statistics

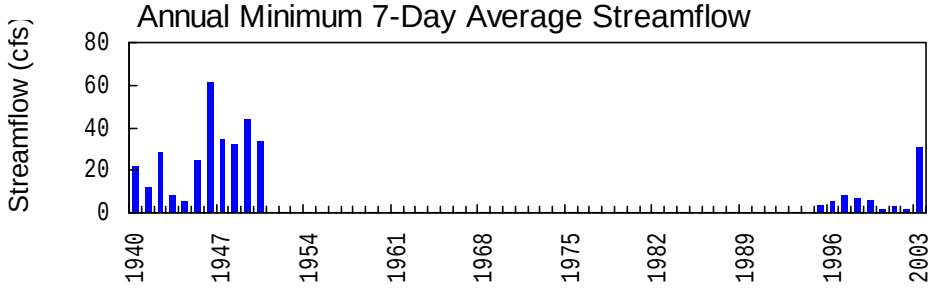
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



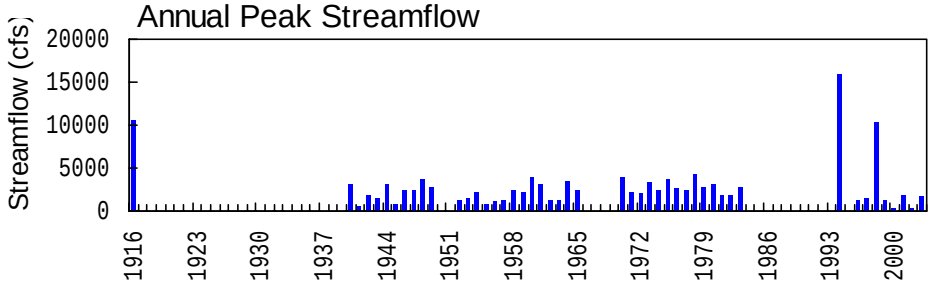
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2003 Water Year

02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA

LOCATION.—Lat 31°21'02", long 84°28'57" referenced to North American Datum (NAD) of 1927, Baker County, Hydrologic Unit 03130009, at bridge on GA 37 at Elmodel, 2.0 miles upstream from confluence with Ichawaynochaway Creek.

DRAINAGE AREA.—320 square miles.

COOPERATION.—Albany-Dougherty Planning Commission.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1939 to December 1949, water years 1952-65 and 1970-83 (annual maximum), July 1995 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 137.7 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by the Georgia Department of Transportation). From October 1, 1939 to October 30, 1941, a non-recording gage was located at site approximately 100 feet upstream at present datum. From October 31, 1941 to December 31, 1949, a recording gage was located at present datum. From September 25, 1951 to September 1965 and October 1970 to September 1983, a non-recording gage was located at site 100 feet upstream and present datum.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Discharge during growing season affected by undetermined amount of irrigation withdrawal.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of July 8, 1994 reached a stage of 20.0 feet, discharge 16,000 cfs from rating curve extended above 9,400 cfs. Minimum discharge observed 1.2 cfs, October 21, 1954.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
04/12	1200	1,670*	7.64*

No other peaks greater than base discharge

02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1939 to December 1949, water years 1952-65 and 1970-83 (annual maximum), July 1995 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 137.7 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by the Georgia Department of Transportation). From October 1, 1939 to October 30, 1941, a non-recording gage was located at site approximately 100 feet upstream at present datum. From October 31, 1941 to December 31, 1949, a recording gage was located at present datum. From September 25, 1951 to September 1965 and October 1970 to September 1983, a non-recording gage was located at site 100 feet upstream and present datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 7.64 feet, April 12; minimum gage-height recorded, 0.04 feet, October 14.

PRECIPITATION RECORDS

PERIOD OF RECORD.—July 17, 2003 to September 30, 2003.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 312102 LONGITUDE 0842857 NAD27 DRAINAGE AREA 320.00* CONTRIBUTING DRAINAGE AREA DATUM 137.73 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	121	148	511	190	686	435	435	270	168	445	295
2	79	103	141	528	187	901	401	423	204	253	685	269
3	69	91	134	503	188	933	372	419	167	282	643	233
4	60	85	128	475	194	992	344	408	152	276	640	204
5	53	82	126	466	196	1020	322	375	147	265	635	188
6	47	119	127	453	192	1000	304	348	177	315	658	225
7	45	116	124	423	220	1020	326	319	341	372	737	296
8	40	102	122	390	231	1010	756	287	517	355	1040	297
9	36	91	120	363	235	1120	1330	252	643	e337	1150	267
10	33	84	122	341	253	1110	1570	216	739	e311	1120	231
11	32	84	127	318	284	996	1640	182	854	e280	1060	198
12	30	133	128	296	274	908	1660	165	948	e249	1010	170
13	28	189	157	278	249	819	1590	152	965	218	839	150
14	26	226	181	262	226	747	1400	137	825	192	703	134
15	29	278	203	249	209	694	1160	138	753	157	598	119
16	39	373	210	239	234	663	948	160	596	126	517	107
17	41	425	232	230	292	659	773	131	554	104	491	94
18	42	403	262	220	355	762	639	128	563	96	460	82
19	41	356	271	212	396	842	544	112	530	90	645	72
20	44	318	280	205	404	993	480	122	522	108	763	65
21	45	293	270	202	410	1130	433	133	502	78	669	57
22	44	273	257	202	437	1150	402	258	474	128	540	55
23	39	253	238	199	438	1120	361	484	447	271	448	102
24	52	235	256	190	425	1080	325	686	460	381	381	117
25	70	216	324	184	412	1010	392	801	437	497	347	136
26	82	201	352	180	399	905	510	756	355	573	359	159
27	89	188	348	176	473	786	543	693	272	589	333	150
28	107	175	365	172	538	675	572	618	211	529	309	134
29	133	165	419	169	---	590	542	498	173	418	297	109
30	157	156	434	175	---	528	497	391	166	335	316	88
31	141	---	435	191	---	477	---	333	---	350	309	---
TOTAL	1862	5934	7041	9002	8541	27326	21571	10560	13964	8703	19147	4803
MEAN	60.1	198	227	290	305	881	719	341	465	281	618	160
MAX	157	425	435	528	538	1150	1660	801	965	589	1150	297
MIN	26	82	120	169	187	477	304	112	147	78	297	55
CFSM	0.19	0.62	0.71	0.91	0.95	2.75	2.25	1.06	1.45	0.88	1.93	0.50
IN.	0.22	0.69	0.82	1.05	0.99	3.18	2.51	1.23	1.62	1.01	2.23	0.56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2003, BY WATER YEAR (WY)

MEAN	108	138	339	494	568	848	576	252	129	160	159	82.6
MAX	540	714	1571	1479	1370	2470	1848	1004	465	507	618	275
(WY)	1949	1948	1998	1998	1998	1998	1944	1946	2003	1940	2003	1945
MIN	3.96	3.11	19.1	55.7	84.2	185	125	16.1	2.55	2.29	2.00	3.84
(WY)	2001	2002	2002	2002	2002	2002	1999	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1940 - 2003	
ANNUAL TOTAL	33789.5		138454			
ANNUAL MEAN	92.6		379		323	
HIGHEST ANNUAL MEAN					723	1998
LOWEST ANNUAL MEAN					54.2	2002
HIGHEST DAILY MEAN	435	Dec 31	1660	Apr 12	9850	Mar 11 1998
LOWEST DAILY MEAN	1.3	Sep 13	26	Oct 14	1.3	Aug 23 2000
ANNUAL SEVEN-DAY MINIMUM	1.7	Sep 8	31	Oct 9	1.4	Aug 23 2000
MAXIMUM PEAK FLOW			1670	Apr 12	10400	Mar 11 1998
MAXIMUM PEAK STAGE			7.64	Apr 12	17.09	Mar 11 1998
INSTANTANEOUS LOW FLOW			25	Oct 14	1.2	Sep 12 2002
ANNUAL RUNOFF (CFSM)	0.29		1.19		1.01	
ANNUAL RUNOFF (INCHES)	3.93		16.10		13.73	
10 PERCENT EXCEEDS	236		831		885	
50 PERCENT EXCEEDS	60		284		138	
90 PERCENT EXCEEDS	4.7		89		10	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 312102 LONGITUDE 0842857 NAD27 DRAINAGE AREA 320.00* CONTRIBUTING DRAINAGE AREA DATUM 137.73 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.49	0.68	0.86	3.00	1.15	3.82	2.60	2.60	1.66	1.00	2.62	1.82
2	0.43	0.57	0.81	3.09	1.13	4.75	2.42	2.54	1.24	1.55	3.83	1.65
3	0.37	0.50	0.76	2.96	1.13	4.88	2.25	2.52	0.99	1.73	3.64	1.43
4	0.32	0.46	0.73	2.81	1.17	5.12	2.10	2.46	0.89	1.70	3.63	1.24
5	0.27	0.45	0.71	2.77	1.19	5.22	1.97	2.27	0.85	1.63	3.61	1.14
6	0.23	0.67	0.72	2.70	1.16	5.16	1.86	2.12	1.06	1.93	3.71	1.38
7	0.21	0.65	0.70	2.54	1.35	5.21	1.99	1.95	2.08	2.26	4.04	1.82
8	0.18	0.57	0.69	2.36	1.42	5.17	4.10	1.77	3.03	2.16	5.31	1.82
9	0.14	0.50	0.68	2.21	1.44	5.60	6.41	1.55	3.64	2.10	5.75	1.64
10	0.12	0.46	0.69	2.08	1.55	5.58	7.29	1.32	4.06	2.09	5.63	1.42
11	0.11	0.46	0.72	1.95	1.75	5.13	7.54	1.10	4.55	2.09	5.39	1.20
12	0.09	0.77	0.72	1.82	1.69	4.77	7.59	0.98	4.94	1.66	5.17	1.01
13	0.07	1.14	0.92	1.71	1.53	4.40	7.34	0.89	5.00	1.37	4.49	0.87
14	0.05	1.39	1.09	1.62	1.39	4.10	6.66	0.78	4.43	1.21	3.91	0.76
15	0.08	1.71	1.23	1.53	1.28	3.87	5.77	0.79	4.12	0.97	3.44	0.67
16	0.17	2.26	1.28	1.47	1.44	3.73	4.94	0.94	3.43	0.79	3.03	0.59
17	0.18	2.55	1.43	1.41	1.79	3.71	4.21	0.74	3.22	0.65	2.90	0.52
18	0.19	2.43	1.61	1.35	2.16	4.16	3.62	0.73	3.26	0.60	2.74	0.45
19	0.19	2.17	1.67	1.29	2.39	4.50	3.17	0.63	3.10	0.56	3.64	0.39
20	0.21	1.95	1.72	1.25	2.44	5.11	2.84	0.69	3.06	0.68	4.17	0.35
21	0.21	1.80	1.66	1.23	2.47	5.66	2.59	0.76	2.96	0.50	3.76	0.30
22	0.20	1.68	1.58	1.23	2.61	5.72	2.42	1.57	2.81	0.79	3.15	0.29
23	0.17	1.56	1.46	1.21	2.62	5.61	2.20	2.86	2.67	1.68	2.67	0.57
24	0.26	1.44	1.57	1.15	2.55	5.46	1.99	3.83	2.73	2.31	2.31	0.66
25	0.38	1.32	1.98	1.11	2.48	5.18	2.35	4.33	2.61	2.93	2.12	0.78
26	0.45	1.22	2.15	1.08	2.41	4.76	3.00	4.14	2.16	3.32	2.18	0.94
27	0.49	1.14	2.12	1.06	2.80	4.27	3.17	3.87	1.67	3.39	2.04	0.87
28	0.60	1.05	2.22	1.02	3.14	3.78	3.31	3.53	1.29	3.09	1.90	0.77
29	0.75	0.98	2.51	1.01	---	3.39	3.16	2.93	1.04	2.51	1.82	0.61
30	0.92	0.91	2.60	1.05	---	3.09	2.93	2.36	0.98	2.05	1.94	0.48
31	0.81	---	2.60	1.16	---	2.82	---	2.04	---	2.13	1.89	---
MEAN	0.30	1.18	1.36	1.75	1.84	4.64	3.79	1.99	2.65	1.72	3.43	0.95
MAX	0.92	2.55	2.60	3.09	3.14	5.72	7.59	4.33	5.00	3.39	5.75	1.82
MIN	0.05	0.45	0.68	1.01	1.13	2.82	1.86	0.63	0.85	0.50	1.82	0.29

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 312102 LONGITUDE 0842857 NAD27 DRAINAGE AREA 320.00* CONTRIBUTING DRAINAGE AREA DATUM 137.73 NGVD29

APPROVED

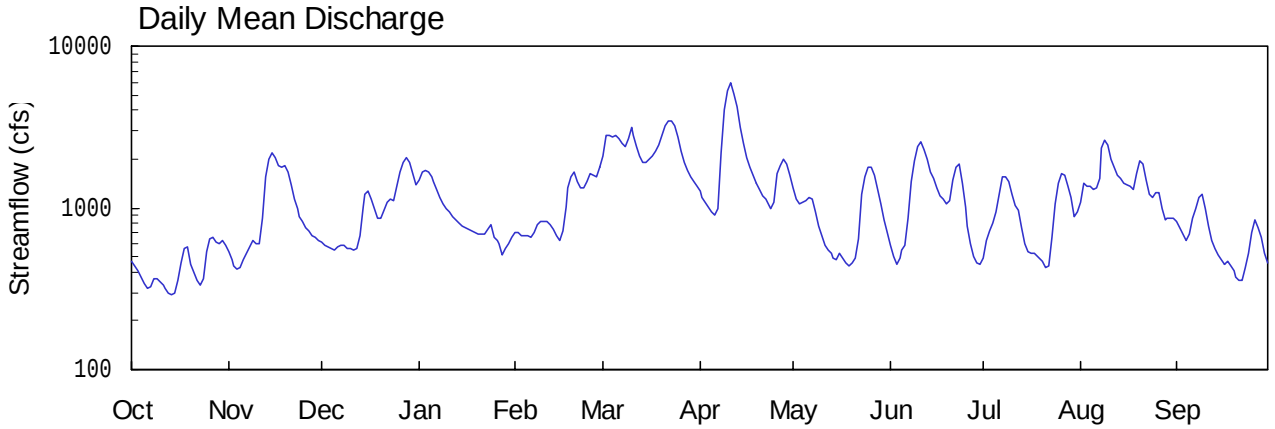
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

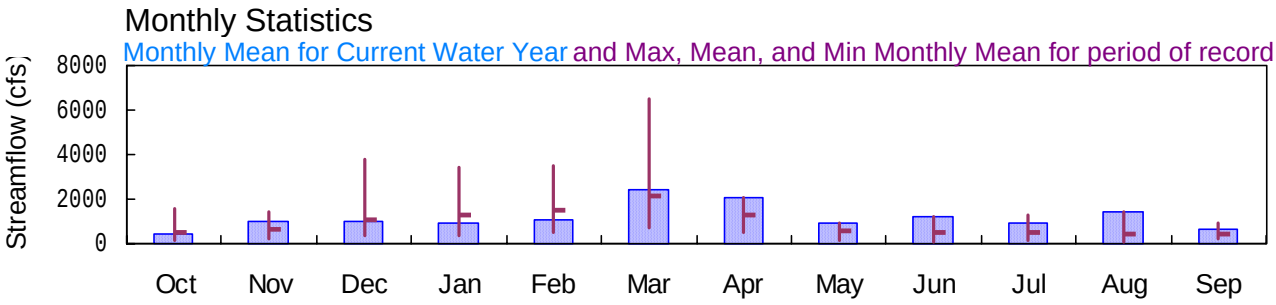
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	2.40	0.00
2	---	---	---	---	---	---	---	---	---	---	0.00	0.00
3	---	---	---	---	---	---	---	---	---	---	1.04	0.00
4	---	---	---	---	---	---	---	---	---	---	0.48	0.00
5	---	---	---	---	---	---	---	---	---	---	0.01	0.39
6	---	---	---	---	---	---	---	---	---	---	0.00	0.01
7	---	---	---	---	---	---	---	---	---	---	1.77	0.00
8	---	---	---	---	---	---	---	---	---	---	0.00	0.00
9	---	---	---	---	---	---	---	---	---	---	0.00	0.00
10	---	---	---	---	---	---	---	---	---	---	0.00	0.00
11	---	---	---	---	---	---	---	---	---	---	0.03	0.00
12	---	---	---	---	---	---	---	---	---	---	0.20	0.00
13	---	---	---	---	---	---	---	---	---	---	0.70	0.00
14	---	---	---	---	---	---	---	---	---	---	0.00	0.00
15	---	---	---	---	---	---	---	---	---	---	0.00	0.00
16	---	---	---	---	---	---	---	---	---	---	0.05	0.00
17	---	---	---	---	---	---	---	---	---	0.00	0.02	0.00
18	---	---	---	---	---	---	---	---	---	0.00	0.00	0.00
19	---	---	---	---	---	---	---	---	---	0.45	0.65	0.00
20	---	---	---	---	---	---	---	---	---	0.00	0.05	0.00
21	---	---	---	---	---	---	---	---	---	0.36	0.00	0.16
22	---	---	---	---	---	---	---	---	---	0.90	0.57	0.94
23	---	---	---	---	---	---	---	---	---	1.36	0.00	0.01
24	---	---	---	---	---	---	---	---	---	0.01	0.00	0.00
25	---	---	---	---	---	---	---	---	---	0.36	0.24	0.00
26	---	---	---	---	---	---	---	---	---	0.00	0.00	1.02
27	---	---	---	---	---	---	---	---	---	0.00	0.00	0.00
28	---	---	---	---	---	---	---	---	---	0.00	0.70	0.00
29	---	---	---	---	---	---	---	---	---	0.01	0.52	0.00
30	---	---	---	---	---	---	---	---	---	0.25	0.00	0.00
31	---	---	---	---	---	---	---	---	---	0.09	0.00	---
TOTAL	---	---	---	---	---	---	---	---	---	---	9.43	2.53

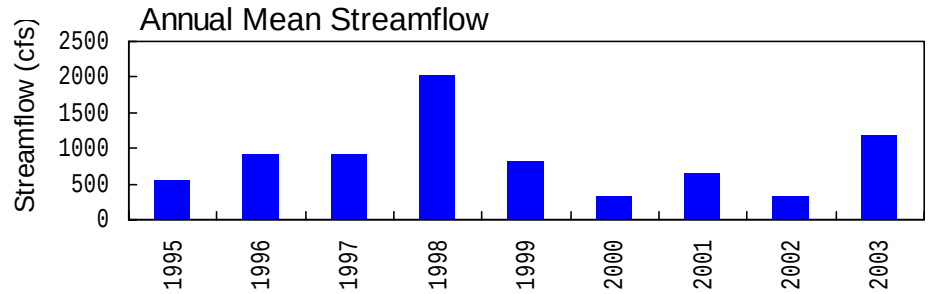
2003 Water Year

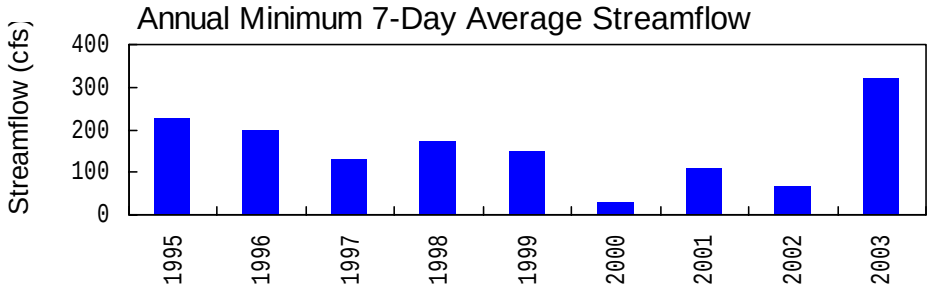
02354800 ICHAWAYNOCHAWAY CREEK NEAR ELMODEL, GA

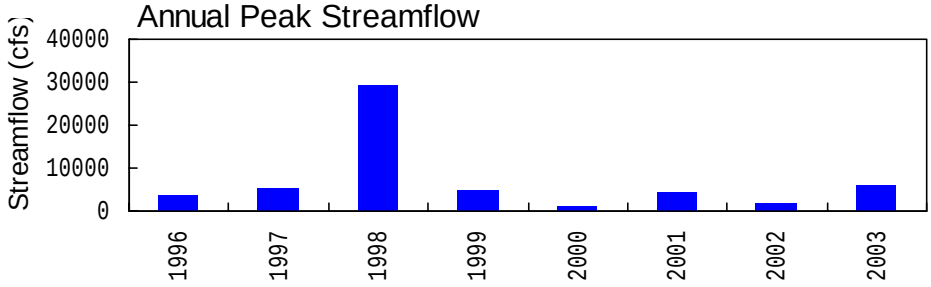
Latitude: 31°17'42" Longitude: 084°29'17" Hydrologic Unit Code: 03130009 Baker County
Drainage Area: 1000 mi² Datum: 140.0 feet











APALACHICOLA RIVER BASIN
2003 Water Year

02354800 ICHAWAYNOCHAWAY CREEK NEAR ELMODEL, GA

LOCATION.—Lat 31°17'42", long 84°29'17" referenced to North American Datum (NAD) of 1927, Baker County, Hydrologic Unit 0313009, on right bank 50 feet below sampling dock, approximately 0.6 miles downstream of old dam site, 1.6 miles north of GA 200, 9.0 miles west-southwest of Newton, and 3.7 miles south of Elmodel.

DRAINAGE AREA.—1,000 square miles, approximately.

COOPERATION.—Albany-Dougherty Planning Commission.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—April 1995 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 140.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Discharge during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation occurs at low flow.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base of 3,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/23	0700	3,520	10.68
04/11	0300	6,060*	14.55*

WATER-STAGE RECORDS

PERIOD OF RECORD.—April 1995 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 140.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 14.55 feet, April 11; minimum gage-height recorded, 4.13 feet, October 14.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354800 ICHAWAYNOCHAWAY CREEK NEAR ELMODEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 311742 LONGITUDE 0842917 NAD27 DRAINAGE AREA 1000.* CONTRIBUTING DRAINAGE AREA DATUM 140.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	472	531	610	1480	708	2110	1270	1340	590	487	1080	824
2	435	477	590	1650	707	2780	1170	1130	499	625	1410	753
3	405	441	571	1700	679	2800	1080	1070	450	716	1350	683
4	373	419	555	1660	667	2760	1000	1080	484	797	1350	632
5	341	425	548	1570	668	2830	939	1100	545	947	1300	683
6	318	480	570	1440	661	2680	912	1150	593	1210	1320	863
7	328	527	587	1290	710	2500	987	1140	863	1550	1520	987
8	368	575	581	1150	790	2400	2190	943	1470	1550	2350	1150
9	361	635	565	1050	823	2690	4030	776	1940	1450	2640	1210
10	348	594	556	998	824	3140	5310	674	2410	1220	2470	986
11	333	600	549	945	827	2790	5870	587	2590	1040	2000	763
12	316	861	562	892	787	2390	5070	547	2270	961	1780	634
13	300	1550	673	842	729	2080	4220	522	2010	749	1610	555
14	288	2000	1010	805	673	1900	3160	490	1670	597	1510	507
15	298	2190	1210	775	635	1920	2480	477	1510	538	1430	475
16	357	2050	1260	756	717	2000	2060	527	1330	520	1380	452
17	459	1830	1130	737	1010	2080	1780	489	1180	526	1360	466
18	555	1780	985	719	1330	2250	1590	453	1120	512	1310	441
19	568	1830	868	701	1570	2430	1420	441	1050	493	1610	411
20	448	1670	862	e693	1650	2800	1300	453	1110	467	1940	370
21	397	1370	970	e686	1470	3190	1200	490	1480	429	1860	355
22	358	1150	1080	e683	1340	3420	1120	637	1800	441	1500	359
23	333	992	1130	742	1330	3480	1070	1200	1860	656	1210	429
24	363	888	1110	784	1450	3230	994	1550	1430	1050	1170	522
25	536	817	1360	652	1640	2740	1090	1770	1010	1430	1230	706
26	640	761	1660	632	1580	2250	1610	1790	771	e1620	1240	846
27	661	719	1890	599	1550	1900	1820	1600	606	e1590	988	751
28	619	679	2030	509	1770	1700	1990	1310	501	e1370	835	651
29	606	651	1920	555	---	1560	1870	1060	452	1160	855	519
30	623	629	1620	599	---	1440	1610	836	444	878	867	458
31	593	---	1390	656	---	1350	---	704	---	948	861	---
TOTAL	13400	30121	31002	28950	29295	75590	62212	28336	36038	28527	45336	19441
MEAN	432	1004	1000	934	1046	2438	2074	914	1201	920	1462	648
MAX	661	2190	2030	1700	1770	3480	5870	1790	2590	1620	2640	1210
MIN	288	419	548	509	635	1350	912	441	444	429	835	355
CFSM	0.43	1.00	1.00	0.93	1.05	2.44	2.07	0.91	1.20	0.92	1.46	0.65
IN.	0.50	1.12	1.15	1.08	1.09	2.81	2.31	1.05	1.34	1.06	1.69	0.72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2003, BY WATER YEAR (WY)

MEAN	528	655	1047	1295	1495	2141	1258	569	522	487	431	405
MAX	1565	1452	3785	3413	3496	6498	2074	932	1201	1254	1462	924
(WY)	1999	1998	1998	1998	1998	1998	2003	1998	2003	1999	2003	1998
MIN	149	190	334	389	468	679	532	150	56.1	108	79.0	194
(WY)	2001	2002	2002	2002	2002	2002	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1995 - 2003	
ANNUAL TOTAL	178724		428248			
ANNUAL MEAN	490		1173		899	
HIGHEST ANNUAL MEAN					2029	1998
LOWEST ANNUAL MEAN					343	2002
HIGHEST DAILY MEAN	2190	Nov 15	5870	Apr 11	28000	Mar 10 1998
LOWEST DAILY MEAN	62	Aug 16	288	Oct 14	24	Aug 23 2000
ANNUAL SEVEN-DAY MINIMUM	68	Aug 14	320	Oct 10	30	Aug 28 2000
MAXIMUM PEAK FLOW			6060	Apr 11	29200	Mar 10 1998
MAXIMUM PEAK STAGE			14.55	Apr 11	31.19	Mar 10 1998
INSTANTANEOUS LOW FLOW			283	Oct 14	23	Aug 23 2000
ANNUAL RUNOFF (CFSM)	0.49		1.17		0.90	
ANNUAL RUNOFF (INCHES)	6.65		15.93		12.21	
10 PERCENT EXCEEDS	994		2090		2050	
50 PERCENT EXCEEDS	405		970		539	
90 PERCENT EXCEEDS	102		453		157	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02354800 ICHAWAYNOCHAWAY CREEK NEAR ELMODEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 311742 LONGITUDE 0842917 NAD27 DRAINAGE AREA 1000.* CONTRIBUTING DRAINAGE AREA DATUM 140.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

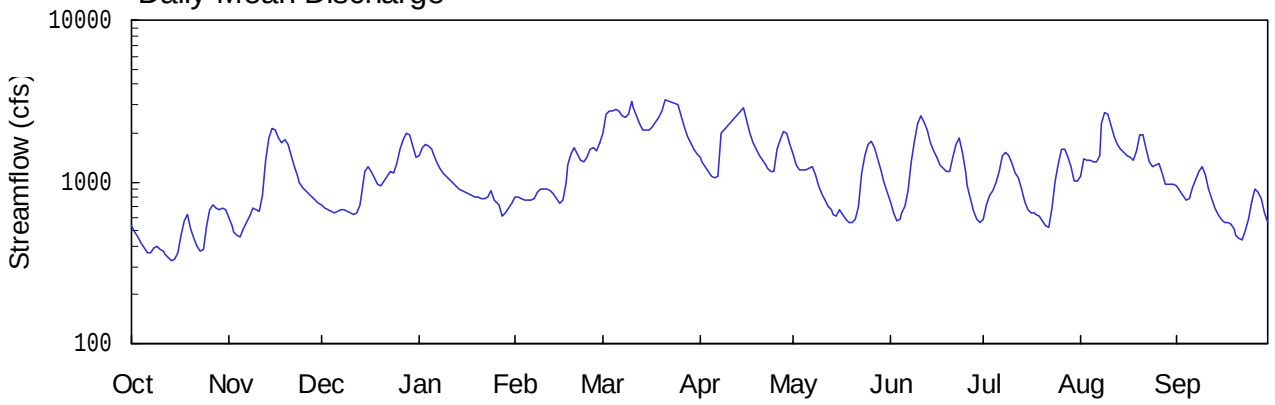
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.74	4.93	5.17	6.96	5.41	8.15	6.54	6.69	5.11	4.82	6.19	5.67
2	4.62	4.76	5.11	7.33	5.40	9.33	6.36	6.29	4.85	5.20	6.82	5.51
3	4.51	4.63	5.06	7.44	5.34	9.36	6.19	6.17	4.70	5.42	6.71	5.34
4	4.40	4.56	5.02	7.39	5.28	9.28	6.04	6.20	4.81	5.61	6.71	5.22
5	4.31	4.58	5.00	7.15	5.31	9.41	5.92	6.24	4.99	5.93	6.60	5.34
6	4.24	4.77	5.06	6.88	5.29	9.16	5.86	6.32	5.12	6.43	6.64	5.76
7	4.27	4.91	5.10	6.58	5.41	8.85	6.01	6.30	5.74	7.12	7.07	6.01
8	4.39	5.05	5.09	6.32	5.59	8.68	8.45	5.92	6.95	7.11	8.83	6.32
9	4.37	5.22	5.04	6.15	5.67	9.19	11.76	5.56	7.98	6.90	9.40	6.43
10	4.33	5.10	5.02	6.04	5.67	10.00	13.59	5.32	8.95	6.45	9.07	6.01
11	4.29	5.12	5.00	5.93	5.68	9.35	14.33	5.10	9.31	6.12	8.10	5.53
12	4.24	5.73	5.04	5.82	5.59	8.66	13.29	4.99	8.68	5.96	7.61	5.23
13	4.18	7.11	5.32	5.71	5.45	8.11	12.06	4.92	8.13	5.50	7.24	5.02
14	4.15	8.11	6.06	5.63	5.32	7.76	10.34	4.83	7.36	5.13	7.02	4.88
15	4.18	8.52	6.43	5.56	5.23	7.81	9.10	4.79	7.03	4.97	6.86	4.78
16	4.36	8.22	6.53	5.51	5.40	7.96	8.23	4.94	6.67	4.92	6.77	4.71
17	4.70	7.73	6.28	5.47	6.05	8.10	7.62	4.83	6.38	4.93	6.72	4.75
18	4.99	7.62	6.01	5.43	6.66	8.42	7.19	4.71	6.27	4.89	6.62	4.67
19	5.03	7.72	5.77	5.39	7.14	8.73	6.85	4.67	6.14	4.84	7.25	4.57
20	4.66	7.38	5.76	---	7.29	9.37	6.61	4.71	6.26	4.76	7.98	4.44
21	4.49	6.75	5.98	---	6.93	10.09	6.41	4.79	6.97	4.63	7.81	4.40
22	4.36	6.32	6.19	---	6.67	10.51	6.28	5.22	7.67	4.67	7.01	4.41
23	4.29	6.02	6.28	5.46	6.66	10.62	6.18	6.42	7.79	5.26	6.43	4.63
24	4.38	5.81	6.25	5.58	6.90	10.19	6.03	7.12	6.87	6.14	6.36	4.92
25	4.93	5.65	6.74	5.27	7.26	9.32	6.20	7.60	6.05	6.87	6.48	5.40
26	5.23	5.53	7.42	5.22	7.15	8.45	7.24	7.64	5.55	---	6.49	5.72
27	5.28	5.43	7.87	5.13	7.08	7.78	7.70	7.21	5.15	---	6.01	5.50
28	5.18	5.34	8.18	4.89	7.55	7.39	8.09	6.63	4.86	---	5.70	5.26
29	5.14	5.27	7.91	5.02	---	7.11	7.82	6.15	4.71	6.34	5.74	4.91
30	5.19	5.21	7.26	5.13	---	6.88	7.24	5.70	4.68	5.79	5.77	4.73
31	5.10	---	6.78	5.28	---	6.71	---	5.39	---	5.93	5.75	---
MEAN	4.60	5.97	5.99	---	6.08	8.73	8.05	5.79	6.39	---	6.96	5.20
MAX	5.28	8.52	8.18	---	7.55	10.62	14.33	7.64	9.31	---	9.40	6.43
MIN	4.15	4.56	5.00	---	5.23	6.71	5.86	4.67	4.68	---	5.70	4.40

2003 Water Year

02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA

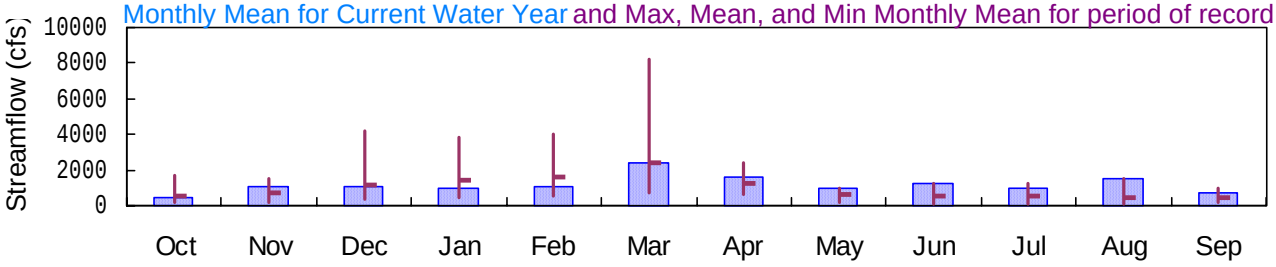
Latitude: 31°12'48" Longitude: 084°28'24" Hydrologic Unit Code: 03130009 Baker County
Drainage Area: 1040. mi^2 Datum: 98.6 feet

Daily Mean Discharge

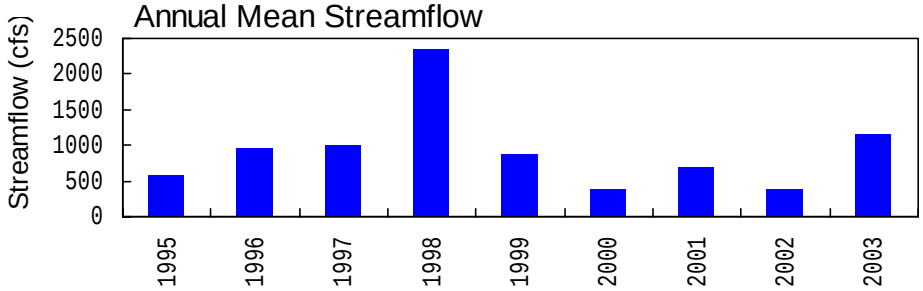


Monthly Statistics

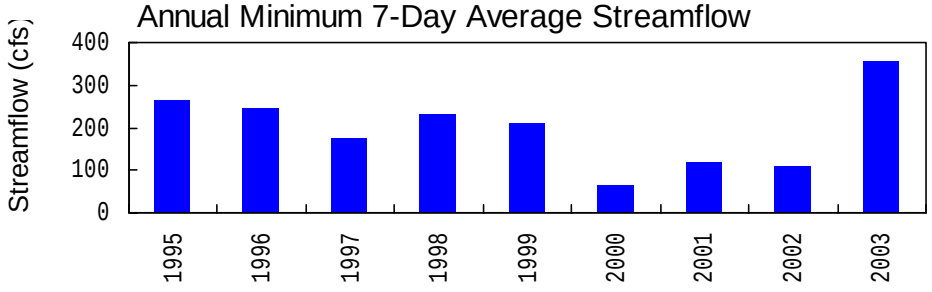
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



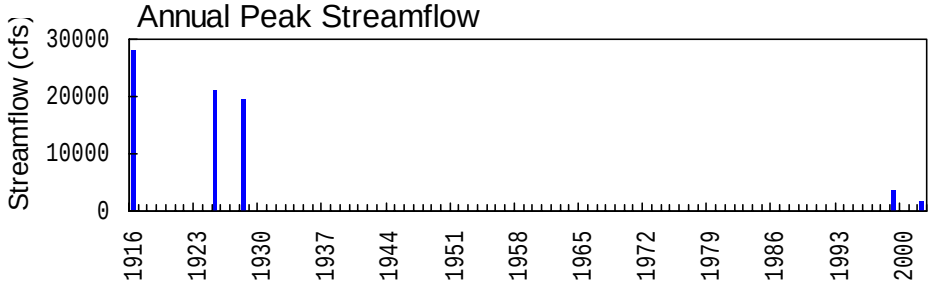
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



02355350 Ichawaynochaway Creek below Newton, GA

APALACHICOLA RIVER BASIN
2003 Water Year

02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA

LOCATION.—Lat 31°12'48", long 84°28'24" referenced to North American Datum (NAD) of 1927, Baker County, Hydrologic Unit 03130009, on right bank 75.0 feet below steel truss bridge, approximately 1600 feet upstream from bridge on GA 91, 11.0 miles southwest of Newton.

DRAINAGE AREA.—1,040 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1920 to June 1921 (discharge measurements and fragmentary gage-height record); October 1937 to September 1947 (published as 02355000 Ichawaynochaway Creek "near Newton"), monthly discharge only for April to September 1939 published in WSP 1301; April 1995 to current year, discharges less than 3,550 cfs only.

GAGE.—Water-stage recorder. Datum of gage is 98.67 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 9, 1920 to June 30, 1921, a non-recording gage was located at site 5.0 miles upstream at datum 15.1 feet higher. From August 10, 1937 to April 1, 1939, a non-recording gage located at present site and approximately same datum. From September 21, 1939 to November 24, 1941, a non-recording gage was located at site 5.0 miles upstream at datum 15.1 feet higher. From November 25, 1941 to September 30 1947, a recording gage was located at site 5.0 miles upstream at datum 15.1 feet higher.

REMARKS.—Records good. Discharges during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation occurs at low flow.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since 1916, 36.50 feet, July 9, 1994, in backwater from the Flint River.

02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1920 to June 1921 (discharge measurements and fragmentary gage-height record); October 1937 to September 1947 (published as 02355000 Ichawaynochaway Creek "near Newton"), monthly discharge only for April to September 1939 published in WSP 1301; April 1995 to current year.

GAGE.—Water-stage recorder. Datum of gage is 98.67 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 9, 1920 to June 30, 1921, a non-recording gage was located at site 5.0 miles upstream at datum 15.1 feet higher. From August 10, 1937 to April 1, 1939, a non-recording gage located at present site and approximately same datum. From September 21, 1939 to November 24, 1941, a non-recording gage was located at site 5.0 miles upstream at datum 15.1 feet higher. From November 25, 1941 to September 30 1947, a recording gage was located at site 5.0 miles upstream at datum 15.1 feet higher.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.40 feet, April 11; minimum gage-height recorded, 2.75 feet, October 14.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 311248 LONGITUDE 0842824 NAD27 DRAINAGE AREA 1040.00* CONTRIBUTING DRAINAGE AREA DATUM 98.67 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	537	600	717	1450	797	2010	1410	1480	757	590	1080	940
2	491	538	694	1610	807	2640	1310	1260	646	721	1380	883
3	455	492	673	1690	785	2770	1230	1180	575	817	1350	825
4	419	463	653	1680	763	2740	1160	1180	591	879	1370	772
5	389	460	641	1590	765	2820	1090	1190	650	988	1320	788
6	365	509	653	1480	765	2740	1060	1220	709	1160	1340	930
7	362	563	677	1340	792	2590	1080	1230	878	1460	1460	1030
8	394	609	673	1220	861	2510	1980	1100	1330	1520	2270	1150
9	397	687	656	1140	898	2620	---	941	1790	1450	2690	1230
10	385	666	645	1090	904	3120	---	846	2280	1290	2650	1100
11	372	657	634	1040	906	2900	---	763	2580	1130	2220	909
12	357	826	644	989	880	2580	---	706	2350	1060	1910	786
13	341	1360	724	947	835	2290	---	672	2100	911	1720	695
14	328	1850	982	911	786	2100	---	635	1740	755	1590	634
15	332	2140	1170	881	744	2070	2900	614	1550	674	1510	591
16	367	2070	1240	861	767	2110	2380	679	1410	639	1450	558
17	468	1850	1170	843	984	2170	2010	627	1260	642	1430	565
18	579	1760	1060	827	1260	2320	1760	581	1200	621	1360	545
19	633	1810	959	813	1490	2490	1580	565	1150	612	1570	510
20	516	1700	935	799	1610	2750	1450	564	1150	569	1940	466
21	446	1440	1000	791	1490	3180	1350	589	1420	536	1960	446
22	402	1230	1090	788	1370	---	1270	701	1710	526	1610	441
23	373	1090	1150	807	1340	---	1220	1130	1870	685	1320	496
24	384	995	1140	888	1430	---	1150	1470	1530	1020	1240	588
25	534	928	1300	773	1600	3000	1170	1720	1160	1310	1270	760
26	679	874	1580	743	1610	2570	1600	1780	942	1600	1300	911
27	723	834	1820	717	1550	2170	1840	1630	785	1600	1120	858
28	691	798	2010	616	1740	1920	2060	1400	657	1410	968	786
29	673	766	1940	639	---	1730	2000	1190	582	1240	962	644
30	685	740	1660	690	---	1590	1710	992	557	1000	971	562
31	665	---	1440	741	---	1490	---	862	---	1010	965	---
TOTAL	14742	31305	32330	31394	30529	---	---	31497	37909	30425	47296	22399
MEAN	476	1044	1043	1013	1090	---	---	1016	1264	981	1526	747
MAX	723	2140	2010	1690	1740	---	---	1780	2580	1600	2690	1230
MIN	328	460	634	616	744	---	---	564	557	526	962	441
CFSM	0.46	1.00	1.00	0.97	1.05	---	---	0.98	1.22	0.94	1.47	0.72
IN.	0.53	1.12	1.16	1.12	1.09	---	---	1.13	1.36	1.09	1.69	0.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2003, BY WATER YEAR (WY)

MEAN	567	692	1130	1393	1624	2416	1266	641	571	528	470	441
MAX	1668	1505	4200	3868	4024	8180	2381	1019	1264	1292	1526	943
(WY)	1999	1998	1998	1998	1998	1998	1998	1998	2003	1999	2003	1998
MIN	176	214	374	438	524	721	609	200	86.2	131	105	221
(WY)	2001	2002	2002	2002	2002	2002	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		WATER YEARS 1995 - 2003	
ANNUAL TOTAL	194932			
ANNUAL MEAN	534		949	
HIGHEST ANNUAL MEAN			2339	1998
LOWEST ANNUAL MEAN			384	2000
HIGHEST DAILY MEAN	2140	Nov 15	31000	Mar 11 1998
LOWEST DAILY MEAN	96	Sep 13	59	Aug 24 2000
ANNUAL SEVEN-DAY MINIMUM	108	Aug 14	62	Aug 28 2000
MAXIMUM PEAK FLOW			1180	Apr 3 2000
MAXIMUM PEAK STAGE			33.30	Mar 11 1998
INSTANTANEOUS LOW FLOW			58	Aug 24 2000
ANNUAL RUNOFF (CFSM)	0.51		0.91	
ANNUAL RUNOFF (INCHES)	6.97		12.40	
10 PERCENT EXCEEDS	1040		2180	
50 PERCENT EXCEEDS	455		544	
90 PERCENT EXCEEDS	137		182	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 007
LATITUDE 311248 LONGITUDE 0842824 NAD27 DRAINAGE AREA 1040.00* CONTRIBUTING DRAINAGE AREA DATUM 98.67 NGVD29

APPROVED

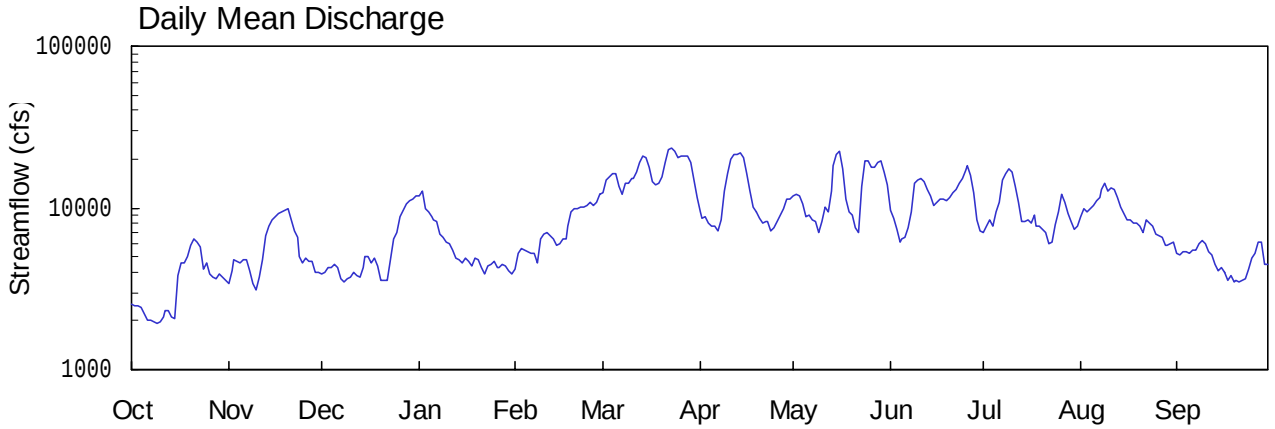
Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

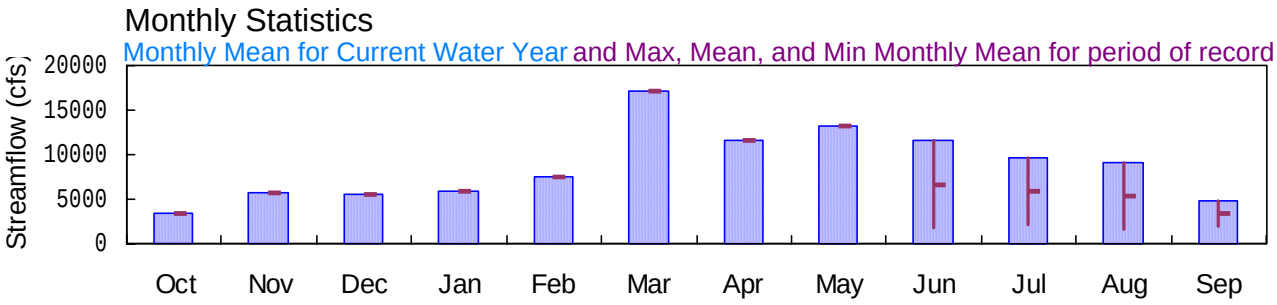
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.41	3.58	3.86	5.47	4.05	6.39	5.31	5.48	3.95	3.55	4.70	4.40
2	3.28	3.41	3.80	5.79	4.07	7.43	5.14	5.07	3.69	3.87	5.31	4.26
3	3.17	3.28	3.75	5.94	4.01	7.66	4.98	4.92	3.51	4.10	5.25	4.12
4	3.06	3.19	3.71	5.92	3.96	7.60	4.85	4.91	3.55	4.25	5.28	3.98
5	2.97	3.19	3.68	5.75	3.97	7.74	4.72	4.94	3.70	4.51	5.18	4.02
6	2.89	3.33	3.71	5.52	3.97	7.59	4.66	5.00	3.84	4.88	5.21	4.37
7	2.88	3.48	3.76	5.24	4.03	7.31	4.70	5.01	4.24	5.49	5.43	4.60
8	2.98	3.60	3.76	5.01	4.21	7.18	6.30	4.74	5.22	5.61	6.81	4.86
9	2.99	3.79	3.71	4.84	4.30	7.38	9.32	4.40	6.13	5.47	7.51	5.02
10	2.95	3.74	3.69	4.73	4.31	8.26	11.09	4.17	7.00	5.15	7.43	4.74
11	2.91	3.72	3.66	4.62	4.32	7.88	12.29	3.96	7.50	4.81	6.71	4.32
12	2.86	4.12	3.68	4.52	4.25	7.30	11.71	3.83	7.12	4.68	6.20	4.02
13	2.81	5.29	3.87	4.42	4.14	6.83	10.71	3.75	6.68	4.33	5.88	3.81
14	2.76	6.24	4.49	4.33	4.02	6.51	9.21	3.66	6.03	3.94	5.65	3.66
15	2.78	6.75	4.90	4.25	3.92	6.47	7.90	3.61	5.66	3.76	5.51	3.55
16	2.89	6.62	5.04	4.21	3.97	6.53	7.00	3.77	5.38	3.67	5.40	3.47
17	3.21	6.23	4.90	4.16	4.49	6.62	6.39	3.64	5.09	3.68	5.36	3.49
18	3.52	6.07	4.66	4.12	5.07	6.87	5.97	3.53	4.97	3.63	5.25	3.43
19	3.66	6.17	4.45	4.09	5.53	7.13	5.65	3.49	4.85	3.61	5.64	3.33
20	3.35	5.96	4.39	4.05	5.76	7.61	5.41	3.48	4.85	3.50	6.31	3.20
21	3.14	5.45	4.55	4.03	5.52	8.38	5.21	3.55	5.41	3.41	6.34	3.14
22	3.01	5.02	4.74	4.02	5.28	8.94	5.07	3.82	5.98	3.38	5.72	3.13
23	2.92	4.73	4.86	4.07	5.21	9.22	4.97	4.81	6.27	3.78	5.17	3.29
24	2.95	4.53	4.84	4.27	5.39	8.88	4.84	5.50	5.63	4.58	5.02	3.54
25	3.39	4.37	5.17	3.99	5.70	8.05	4.87	6.00	4.87	5.19	5.09	3.96
26	3.77	4.24	5.72	3.92	5.73	7.28	5.70	6.11	4.40	5.76	5.14	4.33
27	3.87	4.14	6.18	3.86	5.60	6.64	6.14	5.83	4.02	5.77	4.79	4.20
28	3.80	4.05	6.53	3.62	5.95	6.22	6.51	5.36	3.72	5.38	4.46	4.02
29	3.76	3.97	6.39	3.67	---	5.90	6.42	4.93	3.53	5.04	4.45	3.68
30	3.78	3.91	5.88	3.80	---	5.65	5.93	4.52	3.46	4.54	4.47	3.48
31	3.74	---	5.44	3.91	---	5.47	---	4.21	---	4.56	4.46	---
MEAN	3.21	4.54	4.57	4.52	4.67	7.26	6.63	4.52	5.01	4.45	5.52	3.91
MAX	3.87	6.75	6.53	5.94	5.95	9.22	12.29	6.11	7.50	5.77	7.51	5.02
MIN	2.76	3.19	3.66	3.62	3.92	5.47	4.66	3.48	3.46	3.38	4.45	3.13

2003 Water Year

02355662 FLINT RIVER AT RIVERVIEW PLANTATION NR HOPEFUL, GA

Latitude: 31°08'26" Longitude: 084°28'49" Hydrologic Unit Code: 03130008 Mitchell County
Drainage Area: mi² Datum: 62.0 feet





NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2002-2003 Water Years

02355662 FLINT RIVER AT RIVERVIEW PLANTATION, NEAR HOPEFUL, GA

LOCATION.—Lat 31°08'26", long 84°28'49", referenced to North American Datum (NAD) of 1927, Mitchell County, Hydrologic Unit 03130008, on top of left bank approximately 1.0 mile south of Riverview Plantation headquarters, 3.0 miles downstream of Ichawaynochaway Creek.

DRAINAGE AREA.—7,080 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 8, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 72.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good. Flow regulated by power plants at Flint River Reservoir since 1921, with a capacity of 7,500 acre-feet; and at Warwick Reservoir since 1930, with a capacity of about 35,000 acre-feet. Normal operation of power plants does not materially affect figures of monthly runoff. Periods of monthly discharge only are not included in statistics computations.

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 8, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 72.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR 2002 WATER YEAR.—Maximum gage-height recorded 6.43 feet, May 10, 2002; minimum gage-height recorded, 2.89 feet, September 13, 2002.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded 20.37 feet, March 23; minimum gage-height recorded, 3.80 feet, October 9.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 8, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02355662 FLINT RIVER AT RIVERVIEW PLANTATION NR HOPEFUL, GA SOURCE AGENCY USGS STATE 13 COUNTY 205
LATITUDE 310826 LONGITUDE 0842849 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 62.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	2120	1940	2070	1450
2	---	---	---	---	---	---	---	---	2130	1990	2300	1440
3	---	---	---	---	---	---	---	---	1820	2010	2600	1450
4	---	---	---	---	---	---	---	---	1850	2030	2450	1480
5	---	---	---	---	---	---	---	---	2600	2010	2050	1480
6	---	---	---	---	---	---	---	---	2210	1940	1880	1440
7	---	---	---	---	---	---	---	---	1660	2010	2200	1380
8	---	---	---	---	---	---	---	3580	1720	2370	2370	1330
9	---	---	---	---	---	---	---	4250	2160	2320	1640	1310
10	---	---	---	---	---	---	---	4400	2090	2520	1640	1290
11	---	---	---	---	---	---	---	3800	2020	2410	1530	1280
12	---	---	---	---	---	---	---	3080	1910	2490	1470	1250
13	---	---	---	---	---	---	---	3080	1820	2010	e1400	1230
14	---	---	---	---	---	---	---	3250	1700	2060	1410	1250
15	---	---	---	---	---	---	---	3340	1880	2160	1390	1760
16	---	---	---	---	---	---	---	2800	1890	2490	1350	2650
17	---	---	---	---	---	---	---	2260	1620	2710	1330	2950
18	---	---	---	---	---	---	---	2240	1620	2650	e1290	2970
19	---	---	---	---	---	---	---	2790	1480	2430	1360	2810
20	---	---	---	---	---	---	---	3290	1450	2330	1370	2660
21	---	---	---	---	---	---	---	2510	1450	1720	1360	2600
22	---	---	---	---	---	---	---	2970	1480	1810	1320	2560
23	---	---	---	---	---	---	---	2700	1500	1860	1310	2560
24	---	---	---	---	---	---	---	2370	1500	1870	1320	2550
25	---	---	---	---	---	---	---	2680	1500	1990	1300	2510
26	---	---	---	---	---	---	---	2530	1540	2000	1420	2300
27	---	---	---	---	---	---	---	1920	1690	1900	1430	2290
28	---	---	---	---	---	---	---	1820	1870	1850	1470	2250
29	---	---	---	---	---	---	---	1750	1930	1960	1460	2430
30	---	---	---	---	---	---	---	1690	1830	1960	1450	2540
31	---	---	---	---	---	---	---	2030	---	1980	1430	---
TOTAL	---	---	---	---	---	---	---	---	54040	65780	50370	59450
MEAN	---	---	---	---	---	---	---	---	1801	2122	1625	1982
MAX	---	---	---	---	---	---	---	---	2600	2710	2600	2970
MIN	---	---	---	---	---	---	---	---	1450	1720	1290	1230
MED	---	---	---	---	---	---	---	---	1820	2010	1430	2010
AC-FT	---	---	---	---	---	---	---	---	107200	130500	99910	117900

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02355662 FLINT RIVER AT RIVERVIEW PLANTATION NR HOPEFUL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 205
LATITUDE 310826 LONGITUDE 0842849 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 62.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2550	3370	3890	11800	4180	12400	9550	11900	9760	7070	8830	5290
2	2500	4100	3990	12600	5180	14800	8690	12000	8600	7630	9840	5090
3	2460	4820	4270	9880	5660	15600	8860	11800	7440	8410	9370	5370
4	2430	4700	4240	9410	5460	16200	8130	10500	6090	7620	9880	5310
5	2200	4570	4480	8780	5370	16400	7670	8860	6350	9410	10400	5260
6	2040	4740	4320	8400	5180	13700	7780	8980	6570	10900	11100	5530
7	2000	4810	3630	8190	5280	12100	7280	8500	7460	14700	11600	5430
8	1990	4070	3490	6930	4560	14200	8460	8200	9350	16100	13100	6040
9	1940	3400	3630	6550	6400	14200	12800	6990	14300	17300	14300	6240
10	2000	3130	3740	6180	6820	15200	16400	8310	14900	16500	12800	5940
11	2120	3700	4020	5980	7000	15300	19900	10200	15300	13500	13200	5360
12	2290	e4760	3830	5540	6760	16600	21400	9420	14500	10800	13000	5110
13	2330	e6650	3720	4850	6420	19100	21600	12800	13100	8180	11500	4520
14	2110	e7730	4300	4750	5820	20900	21700	18100	11800	8290	10200	4060
15	2080	e8440	4990	4620	6020	20600	20400	21200	10400	8470	9150	4280
16	3840	e8880	4970	4910	6360	17700	16200	22500	10700	8150	8380	3970
17	4570	e9150	4530	4710	6450	14500	12800	17500	11200	8940	8450	3550
18	4590	e9430	4860	4420	7710	14000	10200	11400	11400	7650	8010	3780
19	4990	e9610	4350	4920	9470	14100	9440	9410	11000	7790	8070	3490
20	5890	9860	3600	4770	9900	15500	8650	8960	11600	7350	7740	3570
21	6370	8370	3530	4250	9860	19200	7970	7490	12300	7050	7070	3510
22	6170	7230	3580	3880	10100	22700	8190	7110	13000	5940	8410	3540
23	5750	6560	4810	4390	10000	23600	8210	13400	14200	6160	8110	3620
24	4140	5060	6420	4470	10300	22400	7210	19400	15300	7870	7740	4220
25	4560	4560	7020	4680	10900	20400	7450	19700	17100	9520	6900	4900
26	3910	4920	8810	4230	10300	20700	8270	17700	18400	12200	6720	5190
27	3760	4680	9590	4240	10700	20900	9070	17700	16100	10900	6630	6090
28	3660	4630	10700	4500	12300	20800	9970	18900	12400	9230	5890	6080
29	3910	3980	11000	4380	---	19000	11300	19300	8430	8220	5900	4470
30	3700	3960	11300	4040	---	14800	11200	16800	7160	7350	5990	4510
31	3550	---	11900	3900	---	11700	---	13900	---	7740	6110	---
TOTAL	106400	173870	171510	185150	210460	529300	346750	408930	346210	296940	284390	143320
MEAN	3432	5796	5533	5973	7516	17070	11560	13190	11540	9579	9174	4777
MAX	6370	9860	11900	12600	12300	23600	21700	22500	18400	17300	14300	6240
MIN	1940	3130	3490	3880	4180	11700	7210	6990	6090	5940	5890	3490
MED	3550	4790	4320	4770	6600	16200	9250	11900	11500	8290	8450	5000
AC-FT	211000	344900	340200	367200	417400	1050000	687800	811100	686700	589000	564100	284300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	3432	5796	5533	5973	7516	17070	11560	13190	6671	5850	5399	3380
MAX	3432	5796	5533	5973	7516	17070	11560	13190	11540	9579	9174	4777
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	3432	5796	5533	5973	7516	17070	11560	13190	1801	2122	1625	1982
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	3203230			
ANNUAL MEAN	8776		8776	
HIGHEST ANNUAL MEAN			8776	2003
LOWEST ANNUAL MEAN			8776	2003
HIGHEST DAILY MEAN	23600	Mar 23	23600	Mar 23 2003
LOWEST DAILY MEAN	1940	Oct 9	1230	Sep 13 2002
ANNUAL SEVEN-DAY MINIMUM	2040	Oct 5	1280	Sep 8 2002
MAXIMUM PEAK FLOW	23800	Mar 23	23800	Mar 23 2003
MAXIMUM PEAK STAGE	20.37	Mar 23	20.37	Mar 23 2003
INSTANTANEOUS LOW FLOW	1910	Oct 9	1910	Oct 9 2002
ANNUAL RUNOFF (AC-FT)	6354000		6358000	
10 PERCENT EXCEEDS	16300		16300	
50 PERCENT EXCEEDS	7740		7740	
90 PERCENT EXCEEDS	3750		3750	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02355662 FLINT RIVER AT RIVERVIEW PLANTATION NR HOPEFUL, GA SOURCE AGENCY USGS STATE 13 COUNTY 205
LATITUDE 310826 LONGITUDE 0842849 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 62.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	4.03	3.83	3.96	3.23
2	---	---	---	---	---	---	---	---	4.04	3.88	4.20	3.22
3	---	---	---	---	---	---	---	---	3.70	3.91	4.50	3.22
4	---	---	---	---	---	---	---	---	3.73	3.92	4.35	3.28
5	---	---	---	---	---	---	---	---	4.51	3.91	3.95	3.27
6	---	---	---	---	---	---	---	---	4.11	3.83	3.76	3.21
7	---	---	---	---	---	---	---	---	3.51	3.90	4.10	3.13
8	---	---	---	---	---	---	---	5.50	3.58	4.28	4.27	3.06
9	---	---	---	---	---	---	---	6.23	4.06	4.23	3.49	3.02
10	---	---	---	---	---	---	---	6.39	3.99	4.43	3.49	2.99
11	---	---	---	---	---	---	---	5.74	3.92	4.32	3.34	2.98
12	---	---	---	---	---	---	---	4.99	3.79	4.39	3.26	2.94
13	---	---	---	---	---	---	---	4.99	3.69	3.91	---	2.91
14	---	---	---	---	---	---	---	5.16	3.56	3.95	3.17	2.93
15	---	---	---	---	---	---	---	5.25	3.77	4.07	3.14	3.60
16	---	---	---	---	---	---	---	4.71	3.77	4.39	3.08	4.55
17	---	---	---	---	---	---	---	4.16	3.46	4.62	3.05	4.86
18	---	---	---	---	---	---	---	4.15	3.45	4.56	---	4.88
19	---	---	---	---	---	---	---	4.69	3.26	4.33	3.10	4.72
20	---	---	---	---	---	---	---	5.21	3.23	4.23	3.11	4.56
21	---	---	---	---	---	---	---	4.42	3.22	3.58	3.10	4.51
22	---	---	---	---	---	---	---	4.88	3.27	3.69	3.03	4.46
23	---	---	---	---	---	---	---	4.61	3.30	3.74	3.02	4.47
24	---	---	---	---	---	---	---	4.27	3.30	3.75	3.04	4.46
25	---	---	---	---	---	---	---	4.59	3.30	3.89	3.01	4.41
26	---	---	---	---	---	---	---	4.44	3.36	3.90	3.19	4.20
27	---	---	---	---	---	---	---	3.81	3.55	3.78	3.20	4.20
28	---	---	---	---	---	---	---	3.70	3.76	3.73	3.25	4.16
29	---	---	---	---	---	---	---	3.62	3.82	3.85	3.25	4.34
30	---	---	---	---	---	---	---	3.55	3.70	3.85	3.23	4.44
31	---	---	---	---	---	---	---	3.93	---	3.87	3.19	---
MEAN	---	---	---	---	---	---	---	---	3.66	4.02	---	3.81
MAX	---	---	---	---	---	---	---	---	4.51	4.62	---	4.88
MIN	---	---	---	---	---	---	---	---	3.22	3.58	---	2.91

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02355662 FLINT RIVER AT RIVERVIEW PLANTATION NR HOPEFUL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 205
LATITUDE 310826 LONGITUDE 0842849 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 62.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.45	5.28	5.83	12.78	6.12	13.19	11.03	12.79	11.20	8.95	10.44	7.29
2	4.40	6.05	5.95	13.34	7.18	14.82	10.33	12.90	10.26	9.44	11.26	7.09
3	4.36	6.82	6.25	11.29	7.65	15.39	10.48	12.76	9.28	10.10	10.89	7.37
4	4.33	6.70	6.21	10.92	7.46	15.81	9.87	11.79	8.06	9.43	11.29	7.31
5	4.10	6.56	6.47	10.42	7.38	15.90	9.48	10.48	8.31	10.92	11.73	7.26
6	3.93	6.74	6.30	10.10	7.19	14.10	9.57	10.58	8.50	12.11	12.25	7.53
7	3.90	6.81	5.55	9.93	7.28	12.94	9.14	10.18	9.29	14.80	12.57	7.43
8	3.88	6.02	5.41	8.83	6.54	14.42	10.13	9.93	10.83	15.74	13.66	8.02
9	3.83	5.32	5.56	8.49	8.34	14.44	13.45	8.89	14.51	16.48	14.51	8.21
10	3.89	5.04	5.67	8.15	8.72	15.09	15.90	10.01	14.90	15.97	13.45	7.92
11	4.02	5.63	5.98	7.96	8.89	15.22	18.11	11.52	15.20	13.95	13.75	7.36
12	4.20	---	5.77	7.54	8.68	16.08	18.99	10.93	14.64	11.95	13.62	7.12
13	4.23	---	5.65	6.86	8.37	17.61	19.10	13.46	13.69	9.91	12.53	6.51
14	4.01	---	6.27	6.75	7.81	18.70	19.17	16.97	12.77	10.00	11.51	6.02
15	3.98	---	7.00	6.62	7.99	18.51	18.40	---	11.73	10.15	10.72	6.26
16	5.79	---	6.98	6.92	8.31	16.75	15.76	19.67	11.96	9.88	10.08	5.92
17	6.56	---	6.52	6.71	8.39	14.63	13.43	16.55	12.34	10.55	10.14	5.47
18	6.59	---	6.84	6.40	9.50	14.30	11.51	12.44	12.46	9.46	9.77	5.71
19	6.99	---	6.32	6.92	10.97	14.37	10.94	10.92	12.14	9.58	9.82	5.41
20	7.87	11.27	5.52	6.77	11.31	15.32	10.31	10.56	12.63	9.20	9.54	5.49
21	8.32	10.07	5.44	6.22	11.28	17.66	9.74	9.32	13.10	8.94	8.96	5.43
22	8.13	9.10	5.50	5.82	11.44	19.74	9.93	8.96	13.61	7.92	10.10	5.46
23	7.73	8.50	6.77	6.38	11.41	20.28	9.94	13.88	14.43	8.12	9.85	5.54
24	6.11	7.06	8.36	6.46	11.58	19.62	9.08	17.82	15.16	9.64	9.54	6.19
25	6.56	6.56	8.91	6.67	12.09	18.41	9.29	17.96	16.36	11.01	8.80	6.91
26	5.85	6.91	10.43	6.20	11.59	18.57	9.99	16.75	17.21	13.03	8.64	7.19
27	5.70	6.68	11.06	6.20	11.94	18.73	10.65	16.74	15.70	12.06	8.56	8.05
28	5.58	6.62	11.92	6.49	13.08	18.64	11.36	17.50	13.19	10.78	7.87	8.05
29	5.86	5.93	12.12	6.37	---	17.56	12.37	17.77	10.12	9.95	7.88	6.46
30	5.63	5.92	12.39	6.00	---	14.86	12.32	16.19	9.03	9.20	7.96	6.50
31	5.47	---	12.80	5.84	---	12.66	---	14.20	---	9.54	8.08	---
MEAN	5.36	---	7.35	7.82	9.23	16.27	12.33	---	12.42	10.93	10.64	6.75
MAX	8.32	---	12.80	13.34	13.08	20.28	19.17	---	17.21	16.48	14.51	8.21
MIN	3.83	---	5.41	5.82	6.12	12.66	9.08	---	8.06	7.92	7.87	5.41

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02355662 FLINT RIVER AT RIVERVIEW PLANTATION NR HOPEFUL, GA SOURCE AGENCY USGS STATE 13 COUNTY 205
LATITUDE 310826 LONGITUDE 0842849 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 62.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	0.00	0.04	1.53	0.01
2	---	---	---	---	---	---	---	---	0.00	0.00	0.01	0.00
3	---	---	---	---	---	---	---	---	0.00	0.69	0.00	0.00
4	---	---	---	---	---	---	---	---	0.09	0.38	0.75	0.00
5	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
6	---	---	---	---	---	---	---	---	0.00	0.46	0.00	0.07
7	---	---	---	---	---	---	---	---	0.06	0.94	0.00	0.00
8	---	---	---	---	---	---	---	0.00	0.03	0.00	0.00	0.00
9	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
11	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
12	---	---	---	---	---	---	---	0.00	0.00	0.02	0.00	0.00
13	---	---	---	---	---	---	---	0.23	0.00	0.00	0.00	0.02
14	---	---	---	---	---	---	---	0.00	0.45	0.00	0.00	1.80
15	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	5.31
16	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
17	---	---	---	---	---	---	---	0.49	0.00	0.00	0.00	0.33
18	---	---	---	---	---	---	---	0.11	0.00	0.00	0.00	0.02
19	---	---	---	---	---	---	---	0.04	0.00	0.00	0.26	0.00
20	---	---	---	---	---	---	---	0.00	0.00	0.25	0.00	0.00
21	---	---	---	---	---	---	---	0.00	0.77	1.51	0.02	0.00
22	---	---	---	---	---	---	---	0.00	0.32	1.60	0.00	0.00
23	---	---	---	---	---	---	---	0.00	0.05	1.36	0.00	0.00
24	---	---	---	---	---	---	---	0.00	0.00	0.63	0.00	0.28
25	---	---	---	---	---	---	---	0.00	0.22	0.49	0.00	0.03
26	---	---	---	---	---	---	---	0.00	0.19	0.16	0.00	0.34
27	---	---	---	---	---	---	---	0.00	0.14	0.15	0.01	0.13
28	---	---	---	---	---	---	---	0.21	0.00	0.15	0.00	0.00
29	---	---	---	---	---	---	---	0.00	0.00	0.02	0.27	0.00
30	---	---	---	---	---	---	---	0.51	0.08	0.59	0.00	0.00
31	---	---	---	---	---	---	---	0.01	---	0.00	0.00	---
TOTAL	---	---	---	---	---	---	---	---	2.40	9.44	2.85	8.34

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02355662 FLINT RIVER AT RIVERVIEW PLANTATION NR HOPEFUL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 205
LATITUDE 310826 LONGITUDE 0842849 NAD27 DRAINAGE AREA CONTRIBUTING DRAINAGE AREA DATUM 62.00 NGVD29

APPROVED

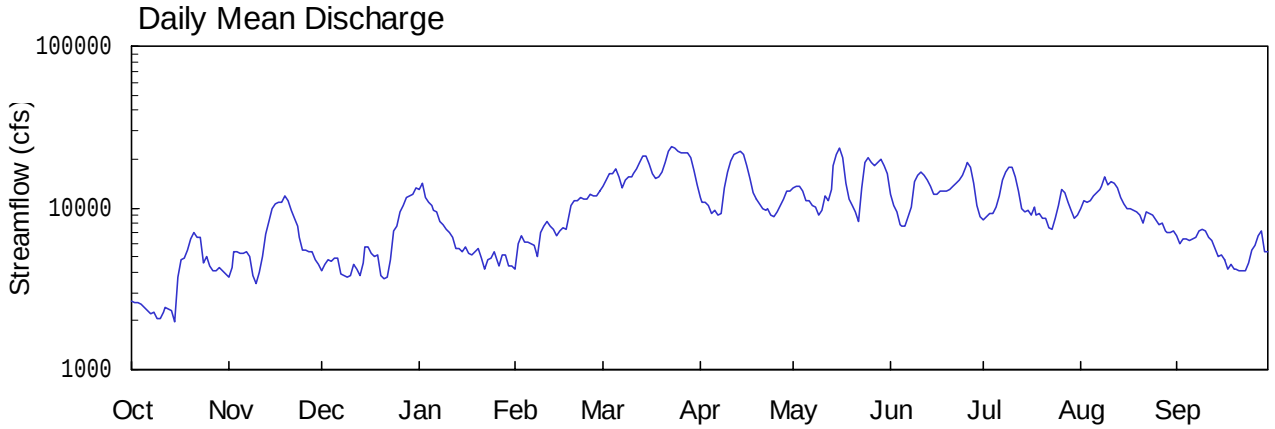
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

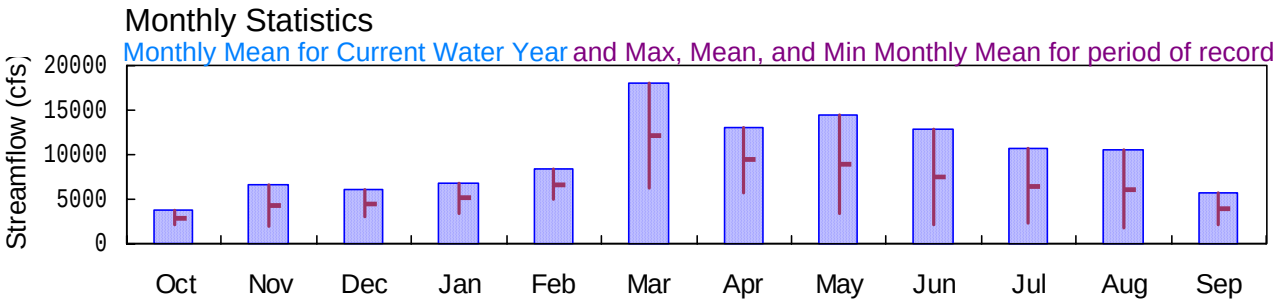
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.25	0.00	0.00	0.01	0.00	2.23	0.00	0.00	0.00	1.12	0.38	0.00
2	0.00	0.00	0.00	0.01	0.00	0.06	0.00	0.00	0.00	0.81	0.36	0.00
3	0.00	0.03	0.00	0.00	0.00	0.56	0.00	0.19	0.21	0.01	0.19	0.02
4	0.64	0.01	0.00	0.00	0.27	0.18	0.00	0.01	0.01	0.74	1.47	0.00
5	0.00	1.06	0.24	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.02	0.20
6	0.08	0.52	0.00	0.00	0.97	0.53	0.00	0.00	1.08	0.06	0.05	0.01
7	0.04	0.00	0.00	0.00	0.00	1.53	1.65	0.00	0.49	0.16	0.86	0.00
8	0.00	0.00	0.00	0.00	0.00	0.55	2.29	0.00	0.03	0.00	0.00	0.00
9	0.00	0.05	0.00	0.00	0.08	0.81	0.12	0.00	0.00	0.00	0.00	0.00
10	0.00	0.01	0.05	0.00	0.11	0.00	0.01	0.00	0.00	0.00	0.55	0.00
11	0.00	1.13	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.17	1.19	0.00
12	0.02	---	0.07	0.00	0.00	0.00	0.00	0.00	1.67	0.23	0.41	0.00
13	0.08	---	0.93	0.00	0.00	0.05	0.00	0.00	0.01	0.00	0.13	0.00
14	0.22	---	0.00	0.00	0.00	0.19	0.01	0.00	0.09	0.00	0.06	0.00
15	0.36	---	0.00	0.00	0.00	0.00	0.00	0.16	0.59	0.19	0.03	0.00
16	0.00	---	0.00	0.00	1.55	0.05	0.00	0.03	0.19	0.00	0.00	0.00
17	0.00	---	0.00	0.00	0.02	0.77	0.00	0.00	0.01	0.00	0.01	0.00
18	0.00	---	0.00	0.00	0.00	0.19	0.00	0.00	0.37	0.00	0.80	0.00
19	0.00	0.00	0.26	0.00	0.00	0.64	0.00	0.51	0.02	0.64	0.52	0.00
20	0.00	0.00	0.66	0.00	0.00	1.34	0.00	0.00	0.29	0.00	0.24	0.00
21	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.44	0.15
22	0.00	0.00	0.00	0.00	1.02	0.00	---	1.53	0.00	1.19	0.40	0.37
23	0.38	0.00	0.00	0.00	0.00	0.00	---	0.01	0.00	0.04	0.00	0.02
24	0.60	0.00	1.49	0.00	0.00	0.00	---	0.00	0.00	0.26	0.00	0.00
25	0.01	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.07	0.22
26	0.15	0.00	0.00	0.00	0.68	0.00	---	0.02	0.00	0.00	0.00	0.01
27	0.01	0.00	0.00	0.00	1.32	0.09	---	0.00	0.00	0.00	0.00	0.00
28	0.04	0.00	0.00	0.00	0.00	0.00	---	0.00	0.01	0.00	0.21	0.00
29	1.80	0.00	0.00	0.00	---	0.01	0.00	0.00	1.07	0.00	0.15	0.00
30	0.01	0.00	0.00	0.08	---	0.19	0.00	0.00	0.00	0.22	0.00	0.00
31	0.00	---	2.06	0.00	---	0.00	---	0.00	---	0.16	0.00	---
TOTAL	4.69	---	5.77	0.10	6.02	9.99	---	2.46	6.15	6.01	8.54	1.00

2003 Water Year

02356000 FLINT RIVER AT BAINBRIDGE, GA

Latitude: 30°54'41" Longitude: 084°34'48" Hydrologic Unit Code: 03130008 Decatur County
Drainage Area: 7570. mi^2 Datum: 58.0 feet





NO PHOTOS AVAILABLE FOR THIS SITE

APALACHICOLA RIVER BASIN
2003 Water Year

02356000 FLINT RIVER AT BAINBRIDGE, GA

LOCATION.—Lat 30°54'41", long 84°34'48" referenced to North American Datum (NAD) of 1927, Decatur County, Hydrologic Unit 03130008, on downstream side of bridge on US 27 (Business Route), 0.2 miles downstream from Seaboard Coast Line Railroad bridge, and 29.2 miles upstream from Jim Woodruff Dam, and at mile 29.0.

DRAINAGE AREA.—7,570 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1907 to December 1913, October 1928 to September 1971, October 1971 to July 1976 (annual peaks only), October 1, 2001 to September 30, 2002.

GAGE.—Satellite telemetry with a water-stage recorder and an acoustic velocity meter. Datum of gage is 58.06 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to December 31, 1913, a non-recording gage was located at same site at datum 0.3 feet higher. From October 1, 1928 to January 14, 1929, a non-recording gage was located at present site and datum. An auxiliary water-stage recorder was located at a site 6.4 miles upstream January 15, 1957 to September 1971.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Flow regulated by power plants at Flint River Reservoir since 1921, with a capacity of 7,500 acre-feet; and at Warwick Reservoir since 1930, with a capacity of about 35,000 acre-feet. Normal operation of power plants does not materially affect figures of monthly runoff.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 108,000 cfs July 14, 1994; gage-height, 37.20 feet; minimum daily, 1,340 cfs, Sept. 25, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1893, 40.9 feet, present datum, Jan. 24, 1925, discharge 101,000 cfs, from rating curve extended above 70,000 cfs on basis of slope-conveyance studies.

02356000 FLINT RIVER AT BAINBRIDGE, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—1904 to 1907, October 1907 to December 1913, October 1928 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and an acoustic velocity meter. Datum of gage is 58.06 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to December 31, 1913, a non-recording gage was located at same site at datum 0.3 feet higher. From October 1, 1928 to January 14, 1929, a non-recording gage was located at present site and datum. An auxiliary water-stage recorder was located at a site 6.4 miles upstream January 15, 1957 to September 1971.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 21.69 feet, March 23; minimum gage-height recorded, 18.22 feet, September 17.

WATER-VELOCITY RECORDS

PERIOD OF RECORD.—April 18, 2001 to current year.

GAGE.—Acoustic velocity meter. Data represents the average water velocity at the downstream cross-section of the bridge with positive values in the downstream direction.

REMARKS.—Records good.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 18, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02356000 FLINT RIVER AT BAINBRIDGE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 087
LATITUDE 305441 LONGITUDE 0843448 NAD27 DRAINAGE AREA 7570.00* CONTRIBUTING DRAINAGE AREA DATUM 58.06 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2630	3690	4090	13100	4180	13600	11500	13400	12000	8430	9830	6690
2	2580	4270	4500	14100	6040	14900	10900	13600	10400	8770	11000	6050
3	2590	5320	4750	11600	6770	16300	10700	13600	9360	9290	10900	6450
4	2510	5320	4670	10700	6150	16400	10300	12800	7850	9160	11100	6370
5	2410	5240	4880	10400	6120	17300	9300	11100	7660	10100	11700	6260
6	2290	5280	4850	9620	5990	15500	9730	11000	7710	11800	12300	6440
7	2200	5360	3860	9400	5880	13200	9010	10400	8770	14800	12900	6550
8	2260	4970	3830	8250	4980	14700	9280	10100	10000	16800	13700	7160
9	2060	3810	3710	7920	7080	15400	13200	8960	14700	17900	15400	7410
10	2080	3400	3830	7290	7650	15700	16800	9630	16100	17900	14000	7140
11	2240	3960	4450	7000	8240	16300	19700	11800	16600	15400	14500	6600
12	2400	4990	4150	6550	7650	17400	21600	11000	16000	12700	14400	6330
13	2390	6810	3830	5600	7440	19100	22100	13100	14800	9850	13300	5650
14	2290	8170	4550	5570	6800	20800	22200	18100	13700	9540	11700	4990
15	1960	9970	5720	5350	7150	20800	21500	21300	12000	9650	10700	5070
16	3740	10500	5760	5700	7500	18700	18400	23300	12000	9110	9960	4840
17	4760	10800	5190	5260	7350	16200	15100	20400	12700	10100	9800	4130
18	4930	10900	4990	5130	8210	15200	12500	14100	12800	9130	9630	4480
19	5480	11800	5140	5340	10400	15400	11200	11300	12600	9150	9540	4150
20	6440	11200	3820	5620	11000	16600	10700	10400	13000	8660	9120	4150
21	7110	9640	3640	4870	11200	19000	9990	9380	13500	8640	8090	4070
22	6590	8570	3720	4200	11600	22500	9700	8230	e14100	7480	9500	4090
23	6560	7750	4820	4800	11300	23900	9820	13200	e14900	7290	9300	4120
24	4600	6620	7260	4900	11400	23500	9030	19000	e16100	8580	9120	4600
25	4980	5470	7770	5380	12000	22200	8900	20700	e18000	10500	8370	5460
26	4380	5520	9370	4690	11800	21700	9450	18900	19000	13000	7950	5880
27	4100	5380	10300	4340	11900	21800	10400	18300	17900	12400	8060	6680
28	4090	5300	11500	5090	12800	21700	11400	19100	14200	10900	7160	7250
29	4280	4820	11900	5110	---	20500	12800	20200	10400	9730	7020	5400
30	4120	4460	12200	4350	---	17100	12800	18300	8730	8570	7010	5350
31	3870	---	13300	4350	---	13900	---	16200	---	9030	7230	---
TOTAL	114920	199290	186350	211580	236580	557300	390010	450900	387580	334360	324290	169810
MEAN	3707	6643	6011	6825	8449	17980	13000	14550	12920	10790	10460	5660
MAX	7110	11800	13300	14100	12800	23900	22200	23300	19000	17900	15400	7410
MIN	1960	3400	3640	4200	4180	13200	8900	8230	7660	7290	7010	4070
CFSM	0.49	0.88	0.79	0.90	1.12	2.37	1.72	1.92	1.71	1.42	1.38	0.75
IN.	0.56	0.98	0.92	1.04	1.16	2.74	1.92	2.22	1.90	1.64	1.59	0.83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	2903	4270	4500	5090	6691	12080	9379	8929	7493	6514	6150	3876
MAX	3707	6643	6011	6825	8449	17980	13000	14550	12920	10790	10460	5660
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	2098	1897	2989	3355	4934	6175	5757	3314	2066	2241	1839	2091
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	1460770		3562970			
ANNUAL MEAN	4002		9762		6490	
HIGHEST ANNUAL MEAN					9762	2003
LOWEST ANNUAL MEAN					3219	2002
HIGHEST DAILY MEAN	13300	Dec 31	23900	Mar 23	23900	Mar 23 2003
LOWEST DAILY MEAN	1190	Sep 13	1960	Oct 15	1190	Sep 13 2002
ANNUAL SEVEN-DAY MINIMUM	1430	Sep 8	2200	Oct 9	1430	Sep 8 2002
MAXIMUM PEAK FLOW			25200	Mar 23	25200	Mar 23 2003
MAXIMUM PEAK STAGE			22.64	Mar 23	22.64	Mar 23 2003
ANNUAL RUNOFF (CFSM)	0.53		1.29		0.86	
ANNUAL RUNOFF (INCHES)	7.18		17.51		11.65	
10 PERCENT EXCEEDS	7080		17300		13700	
50 PERCENT EXCEEDS	3500		9150		4820	
90 PERCENT EXCEEDS	1740		4130		1790	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02356000 FLINT RIVER AT BAINBRIDGE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 087
LATITUDE 305441 LONGITUDE 0843448 NAD27 DRAINAGE AREA 7570.00* CONTRIBUTING DRAINAGE AREA DATUM 58.06 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.65	18.79	19.19	20.44	19.08	20.62	20.04	20.34	20.19	19.70	20.08	19.18
2	18.63	18.75	19.21	20.57	19.27	20.84	19.93	20.46	19.74	20.22	20.29	18.93
3	18.62	18.78	19.23	20.33	19.40	21.16	19.79	20.42	19.46	20.40	20.40	18.96
4	18.62	18.81	19.17	19.95	19.54	21.10	19.69	20.19	19.16	20.32	20.28	18.96
5	18.63	18.87	19.20	19.63	19.48	21.20	19.60	19.80	19.08	20.15	20.35	18.94
6	18.64	19.05	19.21	19.53	19.44	20.84	19.66	19.73	19.12	20.00	20.57	18.96
7	18.61	19.02	19.08	19.51	19.58	20.55	19.54	19.90	19.65	20.34	20.72	18.88
8	18.62	18.95	18.95	19.49	19.34	20.83	19.92	20.06	20.08	20.94	20.82	18.85
9	18.59	18.84	18.78	19.46	19.40	21.02	20.71	19.76	20.91	21.19	21.02	18.92
10	18.62	18.76	18.79	19.34	19.41	20.94	21.24	19.50	21.22	21.26	20.65	18.88
11	18.66	18.76	18.97	19.30	19.61	21.11	21.78	20.05	21.08	21.01	20.53	18.79
12	18.70	19.22	18.96	19.19	19.61	21.27	22.21	19.99	20.81	20.66	20.34	18.69
13	18.68	19.75	19.21	19.06	19.59	21.50	22.17	20.53	20.60	20.17	20.09	18.50
14	18.63	19.96	19.23	19.04	19.59	21.99	22.03	21.14	20.49	19.93	19.74	18.34
15	18.64	19.89	19.25	18.99	19.54	21.96	21.90	21.62	20.38	20.12	19.63	18.33
16	18.80	20.11	19.26	19.13	19.59	21.58	21.24	21.90	20.50	20.25	19.60	18.38
17	18.94	20.27	19.31	19.33	19.68	21.10	20.48	21.44	20.45	20.38	19.62	18.33
18	19.02	20.05	19.36	19.31	19.75	21.03	19.93	20.29	20.42	20.21	19.66	18.43
19	19.09	20.10	19.50	19.38	20.17	20.75	19.69	20.07	20.37	20.03	19.64	18.50
20	19.19	20.12	19.51	19.31	20.14	21.19	19.52	20.10	20.42	19.90	19.85	18.54
21	19.31	19.87	19.42	19.21	19.81	21.75	19.40	20.07	20.64	19.72	20.07	18.50
22	19.33	19.67	19.34	19.16	20.04	22.37	19.50	19.93	---	19.48	20.24	18.57
23	19.28	19.50	19.48	19.16	20.05	22.64	19.64	20.40	---	19.58	20.19	18.80
24	19.07	19.29	19.65	19.10	20.10	22.57	19.58	21.54	---	19.93	19.95	18.92
25	19.01	19.07	19.87	19.15	20.27	22.15	19.75	21.98	---	20.05	19.75	19.10
26	18.92	19.13	19.98	19.23	20.19	21.99	20.15	21.53	21.37	20.27	19.64	19.21
27	18.88	19.22	20.13	19.19	20.37	22.10	20.33	21.18	21.33	20.12	19.57	19.33
28	18.89	19.30	20.35	19.21	20.55	22.07	20.19	21.35	20.82	19.85	19.41	19.45
29	19.02	19.23	20.41	19.18	---	21.81	20.14	21.58	20.23	19.94	19.42	19.26
30	18.99	19.18	20.40	19.09	---	21.13	20.14	21.34	19.87	20.27	19.44	19.17
31	18.84	---	20.34	19.11	---	20.46	---	20.98	---	20.13	19.36	---
MEAN	18.84	19.34	19.44	19.39	19.74	21.41	20.33	20.62	---	20.21	20.03	18.82
MAX	19.33	20.27	20.41	20.57	20.55	22.64	22.21	21.98	---	21.26	21.02	19.45
MIN	18.59	18.75	18.78	18.99	19.08	20.46	19.40	19.50	---	19.48	19.36	18.33

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02356000 FLINT RIVER AT BAINBRIDGE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 087
LATITUDE 305441 LONGITUDE 0843448 NAD27 DRAINAGE AREA 7570.00* CONTRIBUTING DRAINAGE AREA DATUM 58.06 NGVD29

APPROVED

Stream velocity, feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.28	0.39	0.43	1.27	0.44	1.31	1.15	1.31	1.18	0.85	0.98	0.70
2	0.28	0.46	0.47	1.36	0.63	1.42	1.09	1.32	1.06	0.86	1.08	0.64
3	0.28	0.57	0.50	1.14	0.70	1.52	1.08	1.33	0.96	0.91	1.06	0.68
4	0.27	0.57	0.49	1.07	0.63	1.54	1.05	1.26	0.82	0.90	1.09	0.67
5	0.26	0.56	0.51	1.06	0.63	1.47	0.95	1.12	0.81	0.99	1.15	0.66
6	0.25	0.56	0.51	0.99	0.62	1.47	0.99	1.11	0.82	1.18	1.19	0.68
7	0.24	0.57	0.41	0.96	0.60	1.27	0.92	1.04	0.89	1.45	1.23	0.70
8	0.24	0.53	0.41	0.85	0.52	1.40	0.93	1.01	1.00	1.59	1.30	0.76
9	0.22	0.41	0.40	0.82	0.73	1.46	1.27	0.91	1.39	2.64	1.46	0.79
10	0.23	0.36	0.41	0.76	0.79	1.49	1.56	0.99	1.50	1.67	1.35	0.76
11	0.24	0.42	0.47	0.73	0.84	1.53	1.78	1.17	1.56	1.45	1.40	0.71
12	0.26	0.52	0.44	0.68	0.78	1.62	1.91	1.09	1.53	1.23	1.41	0.68
13	0.26	0.69	0.40	0.59	0.76	1.76	1.96	1.27	1.42	0.97	1.32	0.62
14	0.25	0.82	0.47	0.59	0.69	1.86	1.98	1.70	1.33	0.96	1.18	0.55
15	0.21	1.00	0.60	0.57	0.73	1.87	1.94	1.94	1.17	0.96	1.09	0.56
16	0.40	1.04	0.60	0.60	0.77	1.71	1.72	2.09	1.17	0.90	1.02	0.53
17	0.50	1.06	0.54	0.55	0.75	1.52	1.47	1.88	1.23	0.99	1.00	0.45
18	0.52	1.08	0.52	0.53	0.83	1.43	1.25	1.39	1.25	0.90	0.98	0.49
19	0.58	1.17	0.53	0.55	1.02	1.48	1.14	1.12	1.23	0.91	0.97	0.45
20	0.67	1.11	0.39	0.59	1.09	1.55	1.09	1.03	1.27	0.87	0.92	0.45
21	0.74	0.97	0.38	0.51	1.13	1.72	1.03	0.93	1.30	0.88	0.80	0.44
22	0.68	0.87	0.39	0.44	1.15	1.98	1.00	0.82	---	0.77	0.94	0.44
23	0.68	0.80	0.50	0.50	1.13	2.07	1.00	1.28	---	0.74	0.92	0.44
24	0.48	0.69	0.74	0.51	1.13	2.04	0.92	1.74	---	0.86	0.91	0.49
25	0.53	0.58	0.78	0.56	1.18	1.97	0.90	1.85	---	1.04	0.85	0.57
26	0.46	0.58	0.94	0.49	1.17	1.95	0.93	1.74	1.76	1.27	0.81	0.61
27	0.44	0.56	1.02	0.45	1.16	1.94	1.02	1.71	1.66	1.23	0.82	0.69
28	0.43	0.55	1.13	0.53	1.24	1.94	1.13	1.77	1.35	1.10	0.74	0.75
29	0.45	0.50	1.16	0.53	---	1.85	1.27	1.85	1.03	0.97	0.72	0.56
30	0.44	0.47	1.19	0.46	---	1.60	1.27	1.70	0.88	0.84	0.72	0.56
31	0.41	---	1.30	0.46	---	1.35	---	1.53	---	0.89	0.75	---
MEAN	0.39	0.68	0.61	0.70	0.85	1.65	1.26	1.39	---	1.09	1.04	0.60
MAX	0.74	1.17	1.30	1.36	1.24	2.07	1.98	2.09	---	2.64	1.46	0.79
MIN	0.21	0.36	0.38	0.44	0.44	1.27	0.90	0.82	---	0.74	0.72	0.44

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02356000 FLINT RIVER AT BAINBRIDGE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 087
LATITUDE 305441 LONGITUDE 0843448 NAD27 DRAINAGE AREA 7570.00* CONTRIBUTING DRAINAGE AREA DATUM 58.06 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.02	0.00	0.00	0.02	0.00	0.59	0.00	0.00	0.00	0.95	0.40	0.00
2	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.80	0.01	0.00
3	0.00	0.02	0.00	0.00	0.00	0.54	0.00	0.01	0.28	0.04	0.17	0.00
4	0.01	0.01	0.00	0.00	0.14	0.14	0.00	0.00	0.00	1.55	0.00	0.00
5	0.00	1.02	0.37	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.07	0.00
6	0.02	0.54	0.00	0.00	1.24	1.97	0.00	0.00	---	0.03	0.25	0.00
7	0.03	0.00	0.00	0.00	0.01	1.12	0.61	0.00	---	0.70	0.24	0.00
8	0.00	0.00	0.00	0.00	0.00	0.19	1.84	0.00	0.16	0.61	0.00	0.00
9	0.00	0.07	0.00	0.00	0.04	1.80	0.21	0.00	0.00	0.00	0.00	0.00
10	0.00	0.01	0.17	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	2.11	0.00	0.00	0.00	0.00	0.00	0.02	1.06	0.00	0.00	0.00
12	0.00	1.93	0.14	0.00	0.00	0.00	0.00	0.00	0.32	0.44	0.74	0.00
13	0.01	0.00	0.85	0.00	0.00	0.14	0.00	0.00	0.58	0.00	0.09	0.00
14	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.01	0.04	0.04
15	0.41	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.23	0.00
16	0.00	0.42	0.00	0.02	1.84	0.39	0.00	0.00	0.00	0.00	0.04	0.00
17	0.00	0.00	0.00	0.00	0.03	0.32	0.00	0.00	0.00	0.57	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.31	0.40	0.00	0.07	0.00
19	0.00	0.00	0.42	0.00	0.00	0.02	0.00	0.26	0.01	0.66	0.01	0.00
20	0.00	0.00	0.62	0.00	0.01	2.52	0.00	0.00	0.25	0.00	0.11	0.35
21	0.00	0.00	0.00	0.00	0.00	0.00	1.39	0.02	0.00	0.45	0.00	0.21
22	0.00	0.00	0.00	0.00	0.84	0.00	0.01	0.62	0.00	1.92	0.00	0.71
23	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.08	0.00	0.02
24	0.28	0.00	1.87	0.00	0.00	0.00	0.00	0.00	---	0.14	0.00	0.00
25	0.01	0.00	0.00	0.00	0.00	0.00	1.07	0.00	---	0.01	0.01	0.01
26	0.06	0.00	0.00	0.00	1.13	0.00	0.50	0.03	0.00	0.00	0.01	0.00
27	0.00	0.00	0.00	0.00	1.79	0.51	0.00	0.01	0.00	0.00	0.00	0.00
28	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00
29	3.29	0.00	0.00	0.00	---	0.00	0.00	0.00	0.90	0.33	0.07	0.00
30	0.01	0.00	0.00	0.03	---	0.47	0.00	0.00	0.00	0.84	0.24	0.00
31	0.00	---	1.81	0.00	---	0.00	---	0.00	---	0.02	0.00	---
TOTAL	4.58	6.14	6.25	0.07	7.33	10.88	5.70	1.28	---	10.15	2.99	1.34

APALACHICOLA RIVER BASIN
2003 Water Year

02356640 SPRING CREEK AT US 27, AT COLQUITT, GA

LOCATION.—Lat 31°10'14", long 84°44'34" referenced to North American Datum (NAD) of 1927, Miller County, Hydrologic Unit 03130010, at US 27 at Colquitt.

DRAINAGE AREA.—281 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1981 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 120.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 15.91 feet, March 10, 1998
DISCHARGE: 20,500 cfs, March 10, 1998

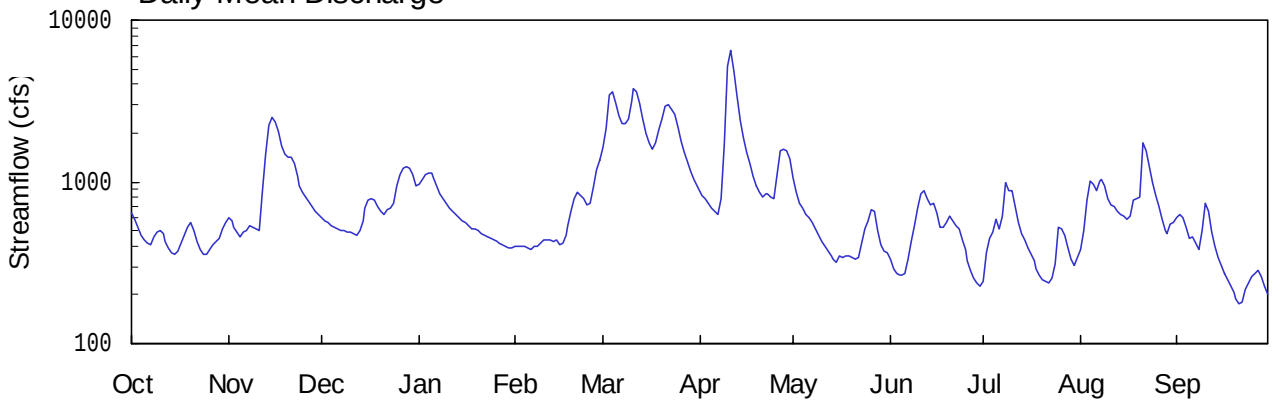
MAXIMUM FOR CURRENT YEAR.—
STAGE: 9.75 feet, April 9
DISCHARGE: 4,110 cfs, April 9

2003 Water Year

02357000 SPRING CREEK NEAR IRON CITY, GA

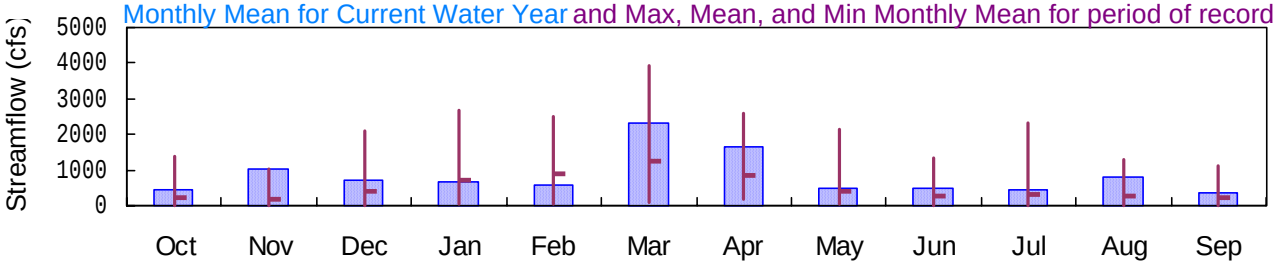
Latitude: 31°02'23" Longitude: 084°44'18" Hydrologic Unit Code: 03130010 Decatur County
Drainage Area: 485.0 mi² Datum: 85.7 feet

Daily Mean Discharge

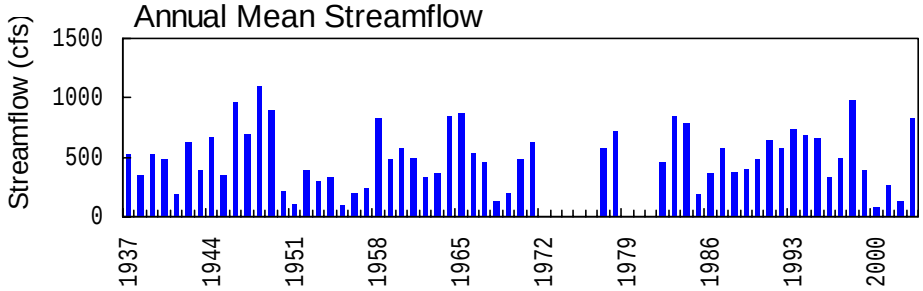


Monthly Statistics

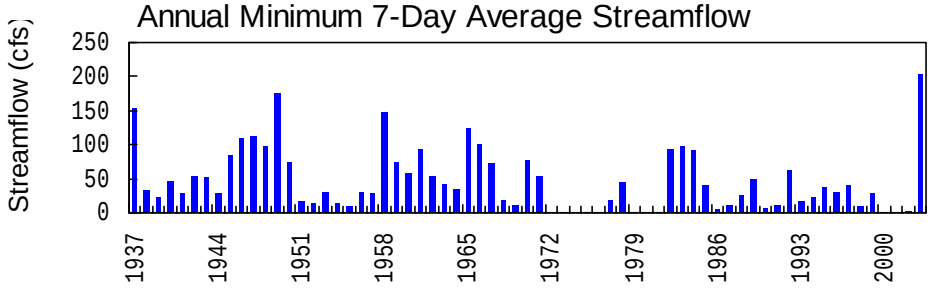
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



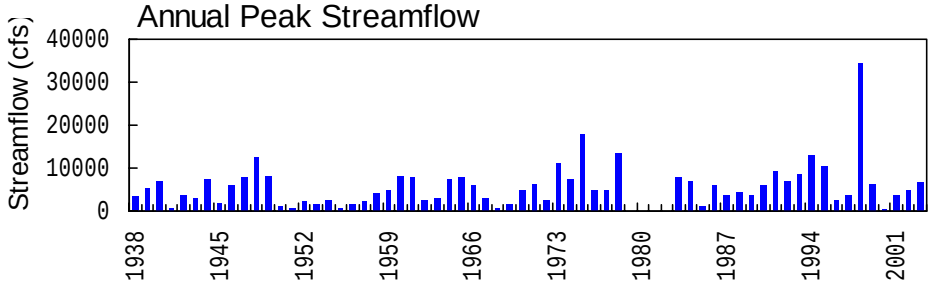
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



APALACHICOLA RIVER BASIN
2003 Water Year

02357000 SPRING CREEK NEAR IRON CITY, GA

LOCATION.—Lat 31°02'23", long 84°44'18" referenced to North American Datum (NAD) of 1927, Decatur County, Hydrologic Unit 03130010, on right bank 25.0 feet downstream from county bridge, 1.5 miles downstream from Aycock Creek, 1.5 miles upstream from Dry Creek, 5.0 miles north of Brinson, and 5.5 miles northeast of Iron City.

DRAINAGE AREA.—485 square miles, approximately.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 1920 to June 1921, June 1937 to April 1971, water years 1972-76 (annual maximum), December 1976 to September 1978, June 1982 to current year. Monthly discharge only for November 1920 to June 1921, published in WSP 1304.

REVISED RECORDS.—WDR GA-91-1: 1983-84.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 85.7 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 21, 1920 to June 30, 1921, a non-recording gage was located at site 125 feet upstream at different datum. From June 11, 1937 to October 17, 1952, a non-recording gage was located at site 125 feet upstream at present datum. From October 18, 1952 to April 1971, a recording gage was located at same site and datum as present. From May 1971 to December 1976, a non-recording gage was located at same site and datum as present.

REMARKS.—Records good. Discharges during growing season affected by undetermined amount of irrigation withdrawal.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges above base of 2,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
11/15	0700	2,510	12.42
03/03	2200	3,760	14.22
03/11	1345	3,790	14.26
03/22	0030	3,030	13.19
04/11	0400	6,730*	16.69*

02357000 SPRING CREEK NEAR IRON CITY, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 1920 to June 1921, June 1937 to April 1971, water years 1972-76 (annual maximum), December 1976 to September 1978, June 1982 to current year. Monthly discharge only for November 1920 to June 1921, published in WSP 1304.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 85.7 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 21, 1920 to June 30, 1921, a non-recording gage was located at site 125 feet upstream at different datum. From June 11, 1937 to October 17, 1952, a non-recording gage was located at site 125 feet upstream at present datum. From October 18, 1952 to April 1971, a recording gage was located at same site and datum as present. From May 1971 to December 1976, a non-recording gage was located at same site and datum as present.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 16.69 feet, April 11; minimum gage-height recorded, 3.41 feet, September 21.

PRECIPITATION RECORDS

PERIOD OF RECORD.—July 1, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02357000 SPRING CREEK NEAR IRON CITY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 087
LATITUDE 310223 LONGITUDE 0844418 NAD27 DRAINAGE AREA 485.00* CONTRIBUTING DRAINAGE AREA DATUM 85.70 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	648	595	602	976	395	1620	869	1070	332	245	378	597
2	586	569	578	1040	399	2150	826	860	293	361	505	633
3	520	529	557	1110	397	3430	787	743	269	449	774	606
4	470	490	537	1140	399	3580	743	687	264	487	1010	529
5	441	461	524	1140	390	3050	694	635	265	581	961	449
6	414	484	517	1050	382	2550	652	601	269	511	879	453
7	409	497	506	937	397	2300	630	564	333	607	1020	417
8	456	536	498	853	400	2280	793	516	428	989	1040	382
9	491	529	491	786	422	2440	1720	470	534	890	939	504
10	504	510	486	735	435	3130	5230	430	694	890	794	728
11	474	504	481	691	434	3740	6460	400	846	703	725	652
12	431	875	468	652	432	3640	4880	370	877	562	705	493
13	393	1500	500	622	429	3080	3330	348	790	474	662	395
14	364	2230	568	597	433	2440	2410	330	714	433	623	337
15	358	2480	686	575	412	2000	1870	320	739	391	620	302
16	369	2320	767	555	415	1730	1530	349	648	357	590	274
17	415	2030	781	536	472	1600	1300	340	526	326	609	248
18	469	1670	773	518	538	1750	1080	348	523	292	777	224
19	527	1470	711	508	660	2100	944	346	566	264	783	205
20	555	1420	659	496	796	2460	861	341	620	249	813	189
21	503	1430	633	482	856	2930	810	335	572	242	1760	176
22	430	1290	678	473	822	2990	843	338	540	236	1570	181
23	384	1080	687	462	782	2820	844	418	507	256	1250	217
24	359	939	740	448	723	2600	809	512	438	314	989	236
25	355	861	943	439	742	2170	793	579	377	519	820	261
26	378	801	1110	430	921	1770	1100	680	323	515	698	273
27	406	747	1210	420	1190	1520	1550	654	284	463	585	282
28	424	699	1240	410	1370	1330	1600	499	253	392	504	260
29	451	660	1210	401	---	1170	1560	410	235	333	482	228
30	516	631	1100	393	---	1040	1380	377	226	306	544	200
31	558	---	955	392	---	936	---	367	---	342	560	---
TOTAL	14058	30837	22196	20267	16443	72346	48898	15237	14285	13979	24969	10931
MEAN	453	1028	716	654	587	2334	1630	492	476	451	805	364
MAX	648	2480	1240	1140	1370	3740	6460	1070	877	989	1760	728
MIN	355	461	468	392	382	936	630	320	226	236	378	176
CFSM	0.94	2.12	1.48	1.35	1.21	4.81	3.36	1.01	0.98	0.93	1.66	0.75
IN.	1.08	2.37	1.70	1.55	1.26	5.55	3.75	1.17	1.10	1.07	1.92	0.84

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2003, BY WATER YEAR (WY)

MEAN	221	198	405	713	911	1256	845	398	288	298	262	204
MAX	1377	1042	2101	2689	2515	3909	2577	2165	1325	2310	1291	1133
(WY)	1999	1948	1949	1993	1983	1998	1944	1946	1989	1994	1939	1937
MIN	1.06	7.21	15.9	35.1	64.6	78.6	164	25.2	1.80	0.80	0.13	0.078
(WY)	2001	2002	2002	2002	2002	1955	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1937 - 2003	
ANNUAL TOTAL	115623.8		304446			
ANNUAL MEAN	317		834		496	
HIGHEST ANNUAL MEAN					1096	1948
LOWEST ANNUAL MEAN					82.1	2000
HIGHEST DAILY MEAN	4790	Sep 17	6460	Apr 11	32000	Mar 10 1998
LOWEST DAILY MEAN	1.2	Jun 7	176	Sep 21	0.00	Aug 25 2000
ANNUAL SEVEN-DAY MINIMUM	1.9	Jun 2	204	Sep 18	0.00	Aug 25 2000
MAXIMUM PEAK FLOW			6730	Apr 11	34500	Mar 10 1998
MAXIMUM PEAK STAGE			16.69	Apr 11	24.40	Mar 10 1998
INSTANTANEOUS LOW FLOW			173	Sep 21	0.00	Aug 25 2000
ANNUAL RUNOFF (CFSM)	0.65		1.72		1.02	
ANNUAL RUNOFF (INCHES)	8.87		23.35		13.89	
10 PERCENT EXCEEDS	704		1690		1190	
50 PERCENT EXCEEDS	120		568		231	
90 PERCENT EXCEEDS	15		325		43	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02357000 SPRING CREEK NEAR IRON CITY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 087
LATITUDE 310223 LONGITUDE 0844418 NAD27 DRAINAGE AREA 485.00* CONTRIBUTING DRAINAGE AREA DATUM 85.70 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.67	6.37	6.41	8.37	5.03	9.98	7.53	8.28	4.57	3.90	4.91	6.33
2	6.31	6.20	6.26	8.62	5.05	11.38	7.34	7.49	4.28	4.78	5.73	6.53
3	5.88	5.94	6.12	8.87	5.04	13.76	7.16	6.96	4.09	5.39	7.10	6.39
4	5.54	5.68	5.99	8.97	5.05	13.99	6.96	6.71	4.06	5.63	8.11	5.92
5	5.34	5.48	5.91	8.96	4.99	13.22	6.74	6.45	4.07	6.18	7.92	5.40
6	5.16	5.64	5.86	8.67	4.93	12.33	6.54	6.29	4.09	5.78	7.58	5.42
7	5.12	5.73	5.78	8.19	5.04	11.78	6.43	6.08	4.57	6.30	8.13	5.17
8	5.44	5.98	5.73	7.76	5.06	11.73	7.17	5.81	5.25	8.01	8.22	4.94
9	5.68	5.94	5.68	7.41	5.21	12.09	10.19	5.53	5.91	7.63	7.84	5.76
10	5.77	5.81	5.65	7.14	5.30	13.33	15.47	5.27	6.73	7.63	7.20	7.10
11	5.56	5.77	5.61	6.91	5.29	14.20	16.50	5.06	7.43	6.77	6.88	6.68
12	5.27	7.76	5.53	6.69	5.28	14.07	15.28	4.85	7.57	6.07	6.79	5.70
13	5.01	10.09	5.74	6.52	5.26	13.25	13.62	4.69	7.18	5.56	6.59	5.04
14	4.80	11.84	6.20	6.38	5.29	12.08	12.01	4.56	6.83	5.29	6.40	4.63
15	4.76	12.36	6.88	6.24	5.14	11.05	10.69	4.48	6.94	5.00	6.38	4.38
16	4.84	12.03	7.31	6.11	5.16	10.31	9.73	4.69	6.51	4.75	6.23	4.18
17	5.16	11.42	7.38	5.98	5.55	9.94	8.96	4.63	5.86	4.52	6.32	3.99
18	5.53	10.57	7.34	5.86	5.98	10.37	8.34	4.69	5.85	4.27	7.11	3.80
19	5.92	10.03	7.01	5.80	6.69	11.29	7.86	4.68	6.09	4.05	7.14	3.66
20	6.11	9.86	6.73	5.72	7.36	12.13	7.50	4.64	6.38	3.94	7.23	3.52
21	5.76	9.89	6.59	5.63	7.63	13.02	7.26	4.59	6.13	3.88	10.39	3.42
22	5.26	9.46	6.84	5.56	7.44	13.11	7.42	4.61	5.95	3.84	9.86	3.47
23	4.95	8.75	6.89	5.48	7.23	12.83	7.42	5.18	5.76	3.99	8.87	3.78
24	4.77	8.19	7.16	5.38	6.93	12.42	7.26	5.78	5.32	4.43	8.08	3.93
25	4.74	7.80	8.20	5.33	7.00	11.46	7.19	6.16	4.90	5.81	7.36	4.12
26	4.91	7.49	8.86	5.27	7.80	10.44	8.36	6.67	4.50	5.80	6.80	4.21
27	5.10	7.21	9.22	5.20	8.69	9.68	9.78	6.54	4.21	5.49	6.22	4.28
28	5.22	6.95	9.30	5.13	9.19	9.08	9.93	5.70	3.97	5.01	5.75	4.12
29	5.41	6.74	9.22	5.06	---	8.59	9.82	5.13	3.82	4.57	5.61	3.87
30	5.85	6.57	8.82	5.01	---	8.21	9.24	4.90	3.75	4.37	6.00	3.64
31	6.13	---	8.27	5.00	---	7.83	---	4.83	---	4.64	6.10	---
MEAN	5.42	7.99	6.92	6.56	6.06	11.58	9.19	5.55	5.42	5.27	7.12	4.78
MAX	6.67	12.36	9.30	8.97	9.19	14.20	16.50	8.28	7.57	8.01	10.39	7.10
MIN	4.74	5.48	5.53	5.00	4.93	7.83	6.43	4.48	3.75	3.84	4.91	3.42

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02357000 SPRING CREEK NEAR IRON CITY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 087
LATITUDE 310223 LONGITUDE 0844418 NAD27 DRAINAGE AREA 485.00* CONTRIBUTING DRAINAGE AREA DATUM 85.70 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.01	0.00	0.81	0.00	0.00	0.00	1.45	0.55	0.00
2	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	1.35	0.04	0.19
3	0.00	0.02	0.00	0.00	0.00	0.63	0.00	0.24	0.25	0.00	0.01	0.01
4	0.10	0.00	0.00	0.00	0.15	0.14	0.00	0.00	0.00	1.36	0.08	0.30
5	0.00	1.82	0.20	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.02	0.00
6	0.00	0.50	0.00	0.00	0.99	0.63	0.00	0.00	1.72	0.07	0.01	0.00
7	0.15	0.00	0.01	0.00	0.00	1.36	1.16	0.00	0.26	1.20	0.45	0.00
8	0.00	0.00	0.00	0.00	0.00	0.74	2.11	0.00	0.06	0.00	0.00	0.00
9	0.00	0.06	0.00	0.00	0.07	0.71	0.07	0.00	0.00	0.00	0.00	0.00
10	0.00	0.04	0.09	0.00	0.14	0.00	0.00	0.00	0.00	0.02	0.00	0.00
11	0.00	1.23	0.00	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.27	0.00
12	0.00	1.93	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.03	1.08	0.00
13	0.00	0.00	0.78	0.00	0.00	0.04	0.00	0.00	0.29	0.00	0.12	0.00
14	0.52	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.03	0.00	0.04	0.00
15	0.68	0.03	0.00	0.00	0.00	0.00	0.00	0.14	0.11	0.00	0.02	0.00
16	0.00	0.84	0.00	0.01	1.49	0.11	0.00	0.54	0.01	0.00	0.16	0.00
17	0.00	0.01	0.00	0.00	0.02	1.28	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	---	0.00	0.00	0.00	0.32	0.00	0.00	0.82	0.00	0.03	0.00
19	0.00	---	0.91	0.00	0.00	0.01	0.00	0.23	0.00	0.39	0.05	0.00
20	0.00	---	0.06	0.00	0.00	1.77	0.00	0.00	0.23	0.00	0.00	0.00
21	0.11	---	0.00	0.00	0.04	0.02	1.46	0.07	0.00	0.18	0.02	0.00
22	0.00	---	0.00	0.00	0.82	0.00	0.00	1.43	0.00	0.77	0.00	0.77
23	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.11	0.00	0.01
24	0.16	0.00	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00
25	0.01	0.00	0.00	0.00	0.00	0.00	0.84	0.00	0.00	0.02	0.00	0.00
26	0.10	0.00	0.00	0.00	0.97	0.00	0.28	0.09	0.00	0.02	0.00	0.00
27	0.00	0.00	0.00	0.00	1.74	0.04	0.00	0.00	0.00	0.00	0.00	0.00
28	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00
29	1.87	0.00	0.00	0.00	---	0.00	0.00	0.00	0.88	0.04	0.11	0.00
30	0.01	0.00	0.00	0.14	---	0.25	0.02	0.00	0.00	0.37	0.00	0.00
31	0.00	---	1.59	0.01	---	0.00	---	0.00	---	0.01	0.00	---
TOTAL	3.96	---	5.27	0.17	6.43	9.08	5.94	2.75	5.49	7.48	3.15	1.28

APALACHICOLA RIVER BASIN
2003 Water Year

02357150 SPRING CREEK NEAR REYNOLDSVILLE, GA

LOCATION.—Lat 30°54'14", long 84°44'57" referenced to North American Datum (NAD) of 1927, Decatur County, Hydrologic Unit 03130010, on right bank, 1.0 mile upstream of Smith Landing, and 3.0 miles north-northeast of Reynoldsville.

DRAINAGE AREA.—Not determined.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1998 to current year.

GAGE.—Satellite telemetry with a water-stage and velocity recorder.

REMARKS.—Records fair, except for periods of estimated discharge, which are poor. This station is operated by the USGS, Florida District. For more information, please check http://fl.water.usgs.gov.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02357150 SPRING CREEK NEAR REYNOLDSVILLE, GA SOURCE AGENCY USGS STATE 13 COUNTY 087
LATITUDE 305414.4 LONGITUDE 0844457.4 NAD27 DRAINAGE AREA 623 CONTRIBUTING DRAINAGE AREA 623* DATUM

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	845	754	937	1280	637	1630	1350	e1490	e726	538	677	807
2	809	762	909	1310	623	1850	1260	e1350	e671	592	714	837
3	736	724	879	1370	634	2510	1220	e1140	e597	682	871	838
4	680	702	850	1410	637	3530	1190	e1140	e629	776	1100	794
5	650	680	837	1410	611	3450	1120	e1100	e610	851	1140	717
6	618	697	799	1370	635	3090	1060	e1050	e577	850	1070	681
7	596	694	802	1250	642	2900	1050	e981	e607	813	1100	681
8	618	735	785	1200	643	2750	1150	e900	e670	1080	1200	627
9	647	735	770	1110	657	2850	1590	e912	e776	1180	1170	649
10	678	723	758	1030	639	3130	2750	e851	e891	1140	1090	816
11	664	719	761	960	619	3670	e4650	e795	e1020	1030	981	873
12	630	922	739	945	639	3880	e5110	e734	e1050	925	972	771
13	605	1470	755	917	632	3910	e4580	e691	e973	839	943	659
14	582	1900	802	892	644	3350	e3470	e735	e990	784	885	603
15	582	2280	867	845	658	2870	e2660	e678	e964	723	876	558
16	579	2440	966	835	646	2490	e2050	e719	e954	700	858	535
17	590	2330	981	804	676	2210	e1710	e680	e819	665	840	508
18	638	2150	1010	787	734	2160	e1610	e694	e809	645	902	488
19	685	1900	945	774	794	2330	e1380	e658	793	621	1010	479
20	710	1770	901	759	912	2700	e1300	584	808	610	919	464
21	706	1760	875	764	1010	3200	e1230	e632	820	600	1260	454
22	641	1700	896	735	993	3420	e1280	e590	792	608	1680	446
23	603	1550	910	694	969	3300	e1270	e637	762	589	1530	447
24	571	1390	935	669	943	3130	e1150	e761	734	591	1340	480
25	560	1290	1070	704	923	2750	e1070	e800	679	721	1160	485
26	550	1210	1260	681	1000	2340	e1400	e953	614	821	1040	500
27	582	1140	1390	666	1260	2100	e1640	e959	569	774	920	511
28	594	1050	1440	654	1450	1880	e1820	e831	552	722	812	499
29	631	1030	1400	649	---	1680	e1800	e756	558	651	765	476
30	680	995	1370	636	---	1550	e1650	e710	546	602	777	460
31	719	---	1290	640	---	1440	---	e718	---	645	786	---
MEAN	644	1273	964	927	781	2711	1886	846	752	754	1013	605
MAX	845	2440	1440	1410	1450	3910	5110	1490	1050	1180	1680	873
MIN	550	680	739	636	611	1440	1050	584	546	538	677	446

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

MEAN	504	473	407	490	503	1072	864	380	321	375	373	399
MAX	1417	1273	964	927	868	2711	1886	846	752	754	1013	895
(WY)	1999	2003	2003	2003	1999	2003	2003	2003	2003	2003	2003	2002
MIN	136	146	175	169	176	273	350	180	121	121	97.1	114
(WY)	2001	2001	2001	2002	2002	2002	2002	2002	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL MEAN	456		1099		513	
HIGHEST ANNUAL MEAN					1099	2003
LOWEST ANNUAL MEAN					216	2000
HIGHEST DAILY MEAN	3630	Sep 18	5110	Apr 12	5110	Apr 12 2003
LOWEST DAILY MEAN	116	Jul 19	446	Sep 22	45	Sep 13 2000
ANNUAL SEVEN-DAY MINIMUM	127	Jul 16	465	Sep 19	73	Aug 18 2000
MAXIMUM PEAK FLOW			5610	Apr 12	5610	Apr 12 2003
MAXIMUM PEAK STAGE			82.52	Apr 12	82.52	Apr 12 2003
10 PERCENT EXCEEDS	953		1960		1040	
50 PERCENT EXCEEDS	242		835		302	
90 PERCENT EXCEEDS	144		595		141	

e Estimated

APALACHICOLA RIVER BASIN
2003 Water Year

02357500 LAKE SEMINOLE NEAR CHATTAHOOCHEE, FL

LOCATION.—Lat 30°42'33", long 84°51'45" referenced to North American Datum (NAD) of 1927, Gadsden County, FL, Hydrologic Unit 03130004, on right upstream lock wall of Jim Woodruff Dam on Chattahoochee River, 0.6 miles upstream from bridge on US 90, and 1.5 miles northwest of Chattahoochee.

REMARKS.—Water levels are provided by the U.S. Army Corps of Engineers, Mobile District. Please see the following Internet location for more information:

http://water.sam.usace.army.mil/

APALACHICOLA RIVER BASIN
2003 Water Year

02358000 APALACHICOLA RIVER AT CHATTAHOOCHEE, FL

LOCATION.—Lat 30°42'03", long 84°51'33" referenced to North American Datum (NAD) of 1927, in NW1/4 sec. 32, T.4 N., R.6 W., Jackson County, Hydrologic Unit 03130011, on downstream side of abandoned bridge downstream of US 90, 0.6 miles downstream from Jim Woodruff Dam, 0.6 miles upstream from Mosquito Creek, 1.0 mile west of Chattahoochee, and 106.0 miles upstream from mouth.

DRAINAGE AREA.—17,200 square miles, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1928 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to October 1939, published as "near River Junction." Gage-height records collected at site 0.9 miles downstream October 1919 to September 1925, and at site approximately 100.00 feet downstream October 1925 to December 1958 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 1906: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 0.00 feet referenced to National Geodetic Vertical Datum of 1929 (National Weather Service bench mark). Prior to December 16, 1939, a water-stage recorder was located at a site 0.9 miles downstream at datum 44.85 feet higher. From December 16, 1939 to June 25, 1952, a water-stage recorder, and from June 26, 1952 to June 2, 1954, a non-recording gage, and from June 3, 1954 to October 14, 1958, a water-stage recorder was located at a site approximately 100.00 feet downstream at gage datum of 45.58 feet. From October 15, 1958 to September 30, 1987, a water-stage recorder was installed at datum 40.58 feet.

REMARKS.—Records good. Flow regulated by Lake Seminole Reservoir (02357500) 0.6 miles upstream since February 4, 1957, Walter F. George Lake (02343240) since 1962, Bartlett's Ferry Reservoir (02341000) since 1926, West Point Lake (02339400) since October 1974, and Lake Sidney Lanier Reservoir (02334400) since 1956. This station is operated by the USGS, Florida District. For more information, please check http://fl.water.usgs.gov.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02358000 APALACHICOLA RIVER AT CHATTAHOOCHEE FLA SOURCE AGENCY USGS STATE 12 COUNTY 039
LATITUDE 304203 LONGITUDE 0845133 NAD27 DRAINAGE AREA 17200.00* CONTRIBUTING DRAINAGE AREA DATUM 00.00 NGVD29

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7580	11700	11800	29200	12800	48800	24100	28600	24800	32100	30400	18700
2	7370	10800	11900	28000	13200	49800	22900	28300	22900	45800	27700	18300
3	7330	9980	13100	30500	13200	51000	22300	28100	22100	62700	26400	17400
4	7040	9450	13300	29200	14800	49400	21100	28300	21300	77100	25500	16000
5	6900	9890	13300	24900	16000	43600	20400	26700	20300	70700	25200	15900
6	6880	10500	13500	21000	16000	37300	20500	24600	19700	58200	27700	18000
7	6790	10800	13400	18500	18000	36300	20500	25300	25000	44400	34000	18500
8	6820	10800	13400	17800	18200	42700	30100	32500	33100	40500	40300	17100
9	6420	10800	12100	17900	16300	58200	53600	53500	42400	41300	42500	16300
10	e6000	10800	11000	17200	15600	67200	66400	67600	47700	35700	41700	16300
11	5770	10400	11000	15800	18400	65400	67100	79300	45200	31400	38000	16200
12	6280	15800	11800	15600	18700	64700	61100	86900	36100	30700	33700	16300
13	6600	26800	13700	15100	18600	57600	58300	80200	28400	30500	30600	15700
14	6620	30200	14100	14200	19600	52600	43500	73000	25300	29600	26200	13900
15	6620	28000	14100	12600	22300	50200	35800	53800	29400	29000	22800	12700
16	6650	23600	14600	10900	22400	39900	33000	40800	39700	30400	20800	11600
17	6580	24700	15200	11100	e22000	40300	29300	32900	39600	30600	19400	11300
18	7060	26200	15000	12700	21900	43200	25700	29100	38900	31700	19800	10900
19	8390	26000	15400	12500	26700	45900	22600	29700	43900	30600	19700	10100
20	9120	26100	16700	12500	35100	45000	21000	35900	53400	28200	19600	10100
21	9230	24900	18000	12500	32500	53300	20000	41200	63700	25100	21300	9870
22	10400	22400	15600	12500	30400	64100	19200	45100	69800	23100	23900	9860
23	10700	20300	22500	12200	31800	66100	18800	47700	64900	24100	23300	10500
24	10800	18700	26000	11600	33400	64600	18800	47400	53800	27000	22300	11100
25	10300	17600	30200	10800	35100	55100	19000	50700	42700	26500	19900	11000
26	9170	15200	33200	10700	37100	44900	28700	49900	35300	25800	19600	12200
27	8620	14500	40200	10700	40300	40900	46600	42500	32200	25500	19600	13300
28	8350	14400	45300	10900	44900	39400	48700	35300	30800	22800	19100	12900
29	10000	14400	46700	11000	---	35400	37700	32000	30500	21800	18500	12800
30	15300	13400	45600	10100	---	32000	31600	30000	30600	27600	18500	14300
31	12700	---	32300	11400	---	24900	---	27300	---	35600	18600	---
MEAN	8206	17300	20130	15860	23760	48700	32950	43040	37120	35360	25700	13970
MAX	15300	30200	46700	30500	44900	67200	67100	86900	69800	77100	42500	18700
MIN	5770	9450	11000	10100	12800	24900	18800	24600	19700	21800	18500	9860
MED	7330	14900	14600	12600	20800	48800	27200	35900	34200	30600	23300	13600
IN.	0.55	1.12	1.35	1.06	1.44	3.27	2.14	2.89	2.41	2.37	1.72	0.91

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2003, BY WATER YEAR (WY)

MEAN	12400	13270	20090	27450	33430	40950	33940	21840	16610	16860	14950	12080
MAX	38500	31790	70390	62470	67310	171600	80700	53260	39460	87780	31950	25440
(WY)	1965	1993	1949	1936	1998	1929	1944	1964	1973	1994	1994	1994
MIN	5319	5524	7337	7262	10420	12780	10880	8326	4826	5117	4750	5889
(WY)	1955	1932	2002	1956	1989	1955	1999	2002	2000	2000	1988	2000

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1929 - 2003	
ANNUAL MEAN	10880		26880		21930	
HIGHEST ANNUAL MEAN					35680	1929
LOWEST ANNUAL MEAN					8681	2002
HIGHEST DAILY MEAN	46700	Dec 29	86900	May 12	291000	Mar 20 1929
LOWEST DAILY MEAN	5250	Aug 14	5770	Oct 11	3900	Nov 15 1987
ANNUAL SEVEN-DAY MINIMUM	5360	Aug 14	6330	Oct 9	4530	Aug 10 1988
MAXIMUM PEAK FLOW			90000	May 12	293000	Mar 20 1929
MAXIMUM PEAK STAGE			63.46	May 12	79.55	Mar 20 1929
INSTANTANEOUS LOW FLOW			5650	Oct 12	2570	Aug 6 1986
ANNUAL RUNOFF (INCHES)	8.59		21.22		17.33	
10 PERCENT EXCEEDS	18100		49800		43600	
50 PERCENT EXCEEDS	8390		22900		16000	
90 PERCENT EXCEEDS	5780		10500		8480	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02358000 APALACHICOLA RIVER AT CHATTAHOOCHEE FLA SOURCE AGENCY USGS STATE 12 COUNTY 039
LATITUDE 304203 LONGITUDE 0845133 NAD27 DRAINAGE AREA 17200.00* CONTRIBUTING DRAINAGE AREA DATUM 00.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

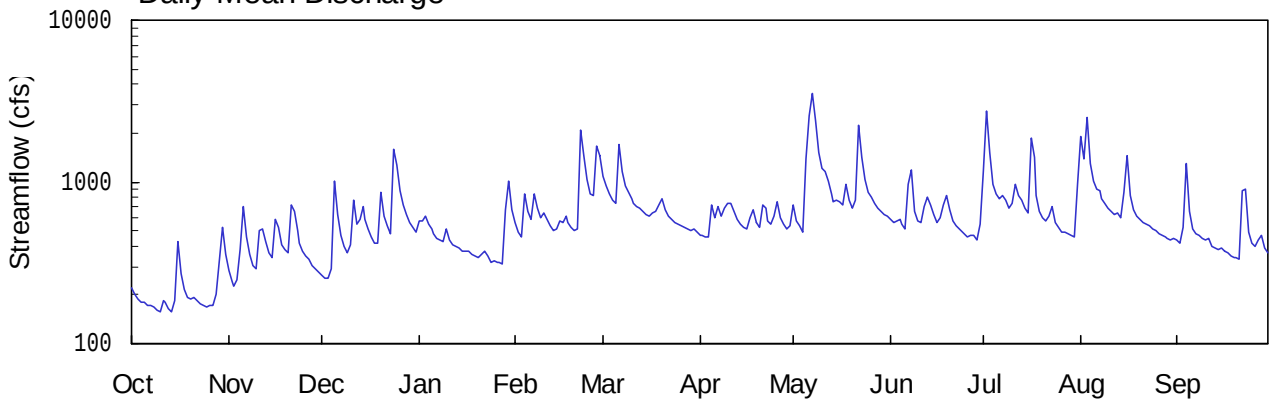
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40.65	42.51	42.85	50.04	43.71	56.43	48.16	49.82	48.41	51.05	50.47	45.98
2	40.53	42.08	42.93	49.62	43.88	56.73	47.67	49.70	47.69	55.36	49.49	45.83
3	40.50	41.64	43.49	50.51	43.88	57.06	47.44	49.65	47.38	59.18	49.01	45.44
4	40.33	41.36	43.62	50.04	44.55	56.57	46.99	49.70	47.04	61.55	48.69	44.82
5	40.25	41.59	43.60	48.45	45.06	54.84	46.70	49.12	46.64	60.55	48.56	44.78
6	40.24	41.89	43.68	46.98	45.07	52.81	46.74	48.34	46.42	58.37	49.48	45.70
7	40.19	42.04	43.66	46.05	45.83	52.47	46.72	48.62	48.43	55.10	51.72	45.89
8	40.21	42.04	43.63	45.78	45.92	54.54	50.27	51.19	51.39	53.87	53.80	45.29
9	39.96	42.04	43.02	45.79	45.17	58.35	57.37	57.29	54.44	54.11	54.51	44.96
10	---	42.06	42.50	45.53	44.88	59.97	59.83	60.05	56.11	52.30	54.25	44.94
11	39.56	41.84	42.47	44.96	45.99	59.68	59.96	61.88	55.31	50.81	53.05	44.90
12	39.88	44.41	42.87	44.88	46.10	59.55	58.93	63.03	52.41	50.57	51.61	44.94
13	40.08	49.14	43.78	44.68	46.09	58.29	58.42	62.04	49.74	50.50	50.52	44.70
14	40.09	50.40	43.96	44.32	46.47	57.36	54.79	60.91	48.60	50.18	48.94	43.90
15	40.08	49.60	43.96	43.59	47.46	56.70	52.32	57.49	50.09	49.98	47.64	43.31
16	40.11	47.97	44.22	42.83	47.49	53.68	51.38	53.95	53.61	50.45	46.86	42.80
17	40.06	48.36	44.49	42.90	---	53.81	50.08	51.35	53.57	50.53	46.27	42.65
18	40.35	48.96	44.36	43.66	47.28	54.71	48.74	49.99	53.34	50.91	46.45	42.44
19	41.10	48.85	44.54	43.54	49.13	55.56	47.57	50.19	54.93	50.54	46.41	42.01
20	41.50	48.89	45.15	43.55	52.09	55.26	46.95	52.36	57.45	49.68	46.36	42.00
21	41.56	48.45	45.71	43.58	51.21	57.43	46.55	54.08	59.37	48.54	47.04	41.90
22	42.18	47.49	44.67	43.58	50.48	59.45	46.18	55.29	60.40	47.76	48.08	41.89
23	42.32	46.65	47.50	43.45	50.95	59.79	46.05	56.09	59.58	48.13	47.84	42.24
24	42.36	45.97	48.88	43.15	51.53	59.53	46.02	56.03	57.53	49.25	47.46	42.51
25	42.11	45.51	50.41	42.78	52.10	57.79	46.10	56.95	54.53	49.06	46.47	42.45
26	41.53	44.49	51.44	42.72	52.75	55.23	49.69	56.67	52.16	48.81	46.37	43.05
27	41.23	44.15	53.75	42.75	53.79	54.00	55.76	54.48	51.11	48.67	46.37	43.59
28	41.08	44.11	55.38	42.81	55.25	53.51	56.41	52.15	50.61	47.64	46.16	43.41
29	41.88	44.11	55.80	42.86	---	52.20	52.95	51.04	50.52	47.26	45.92	43.34
30	44.29	43.64	55.45	42.41	---	51.04	50.90	50.32	50.52	49.41	45.89	44.06
31	42.98	---	51.12	43.06	---	48.47	---	49.36	---	52.26	45.94	---
MEAN	---	45.07	46.22	44.87	---	55.90	50.79	53.84	52.31	51.69	48.63	43.86
MAX	---	50.40	55.80	50.51	---	59.97	59.96	63.03	60.40	61.55	54.51	45.98
MIN	---	41.36	42.47	42.41	---	48.47	46.02	48.34	46.42	47.26	45.89	41.89

2003 Water Year

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA

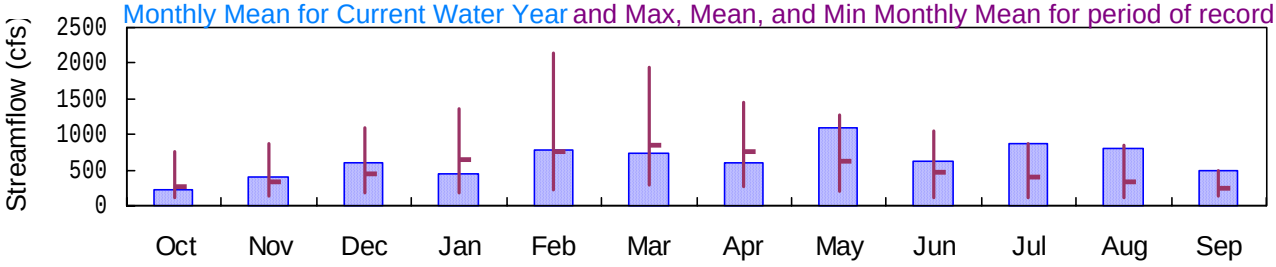
Latitude: 34°40'18" Longitude: 084°30'31" Hydrologic Unit Code: 03150102 Gilmer County
Drainage Area: 236 mi² Datum: 1216. feet

Daily Mean Discharge

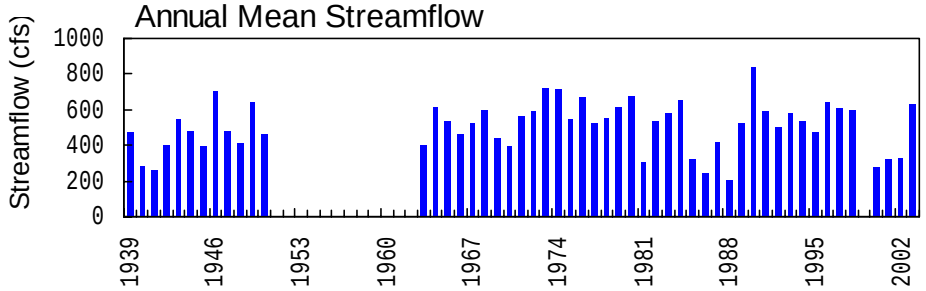


Monthly Statistics

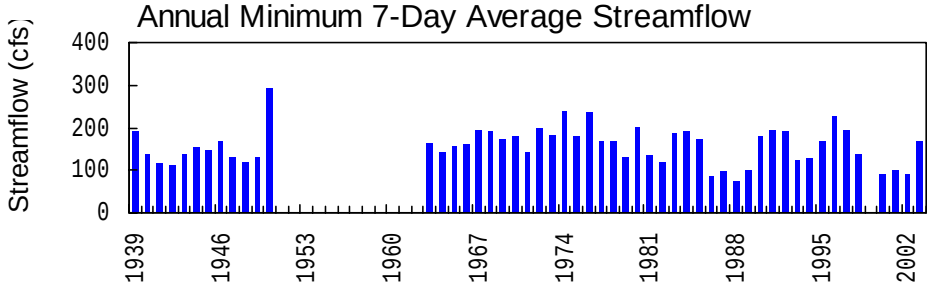
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record

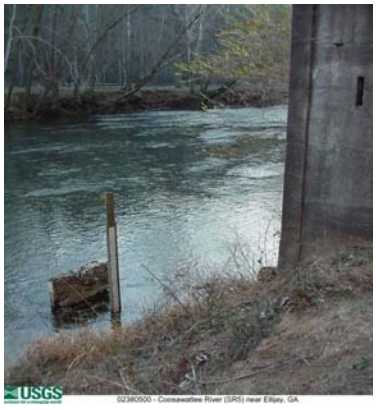


Annual Mean Streamflow

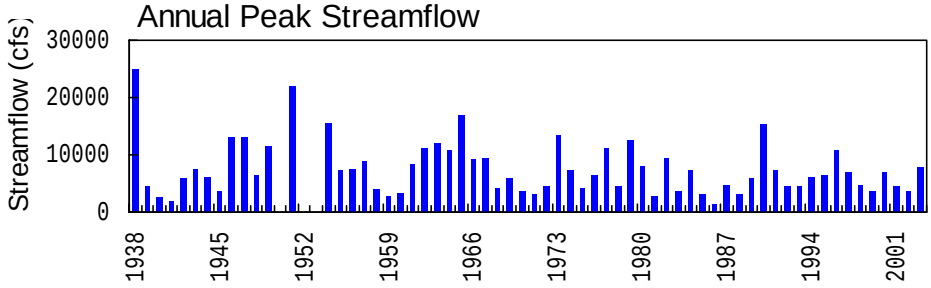


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



MOBILE RIVER BASIN
2003 Water Year

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA

LOCATION.—Lat 34°40'18", long 84°30'31" referenced to North American Datum (NAD) of 1927, Gilmer County, Hydrologic Unit 03150102, on right bank 0.5 miles downstream from GA 5, 2.0 miles southwest of Ellijay, and 2.2 miles downstream from confluence of Cartecay and Ellijay Rivers.

DRAINAGE AREA.—236 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1938 to December 1949, June 1963 to current year. Occasional low-flow measurements were made during 1959, 1961-62.

REVISED RECORDS.—WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 1,216.04 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to June 10, 1940, a non-recording gage was located at site 0.5 miles upstream at datum 8.04 feet higher.

REMARKS.—Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1938, 20.7 feet, March 19, 1951, from flood mark.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 3,500 cfs, and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
05/07	0900	4,360	6.17
07/16	2030	7,740*	9.73*
08/03	0030	4,720	6.56

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1938 to December 1949, June 1963 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 1,216.04 feet above National Geodetic Vertical Datum (NGVD) of 1929. Prior to June 10, 1940, a non-recording gage was located at site 0.5 miles upstream at datum 8.04 feet higher.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 9.73 feet, July 16; minimum gage-height recorded, 1.24 feet, October 15.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 4, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 123
LATITUDE 344018 LONGITUDE 0843031 NAD27 DRAINAGE AREA 236 CONTRIBUTING DRAINAGE AREA 236* DATUM 1216.04 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	222	283	265	576	558	1080	472	725	589	1170	1900	436
2	203	244	255	573	489	943	464	576	555	2750	1400	414
3	190	228	253	609	455	839	458	535	574	1510	2490	526
4	180	250	293	548	836	767	453	495	584	977	1300	1300
5	182	384	1010	508	655	736	719	1380	542	846	1010	659
6	172	701	628	476	593	1710	596	2590	513	791	896	511
7	172	453	466	449	839	1160	698	3490	963	821	885	474
8	169	354	401	435	682	948	614	2420	1180	771	781	467
9	161	305	367	431	600	863	688	1530	658	680	734	446
10	158	288	408	516	638	787	735	1220	572	739	692	442
11	185	499	770	441	586	739	734	1150	563	963	663	447
12	180	517	554	404	539	696	657	1020	706	830	622	403
13	166	432	592	395	502	687	593	842	802	771	638	387
14	156	364	700	386	516	661	551	760	718	694	594	382
15	186	341	586	376	568	635	528	777	623	643	854	391
16	424	588	507	370	566	620	515	754	566	1880	1470	371
17	273	519	454	374	612	642	600	716	606	1410	832	362
18	217	411	415	352	557	654	668	966	712	825	674	352
19	195	380	418	346	525	715	560	774	831	660	608	344
20	187	362	862	344	500	785	520	689	677	605	593	339
21	192	721	620	357	513	671	712	771	575	569	563	330
22	185	659	537	377	2090	617	683	2220	534	616	546	876
23	177	496	478	349	1450	584	577	1420	508	705	530	904
24	172	419	1610	318	1030	565	552	1040	486	567	512	485
25	169	376	1270	326	839	545	619	866	469	520	497	420
26	173	346	881	320	830	534	749	806	456	493	478	396
27	172	333	716	316	1660	526	600	738	471	492	466	439
28	201	305	624	311	1440	512	542	686	463	483	453	468
29	325	288	563	674	---	500	512	662	439	469	444	389
30	522	278	521	1010	---	512	534	630	546	453	440	364
31	359	---	488	671	---	489	---	611	---	974	444	---
TOTAL	6625	12124	18512	13938	21668	22722	17903	33859	18481	26677	25009	14524
MEAN	214	404	597	450	774	733	597	1092	616	861	807	484
MAX	522	721	1610	1010	2090	1710	749	3490	1180	2750	2490	1300
MIN	156	228	253	311	455	489	453	495	439	453	440	330
CFSM	0.91	1.71	2.53	1.91	3.28	3.11	2.53	4.63	2.61	3.65	3.42	2.05
IN.	1.04	1.91	2.92	2.20	3.42	3.58	2.82	5.34	2.91	4.21	3.94	2.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

MEAN	267	341	455	641	764	838	754	616	470	399	325	255
MAX	765	880	1104	1351	2148	1953	1442	1283	1052	871	851	484
(WY)	1965	1978	1993	1947	1990	1990	1977	1973	1973	1976	1967	2003
MIN	107	144	176	188	231	280	263	204	119	117	105	129
(WY)	1988	1988	1989	1981	1941	1988	1986	1986	1988	1988	1988	1987

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939 - 2003	
ANNUAL TOTAL	137017		232042			
ANNUAL MEAN	375		636		508	
HIGHEST ANNUAL MEAN					835	1990
LOWEST ANNUAL MEAN					207	1988
HIGHEST DAILY MEAN	2640	Jan 25	3490	May 7	9870	Feb 16 1990
LOWEST DAILY MEAN	81	Sep 13	156	Oct 14	69	Sep 2 1988
ANNUAL SEVEN-DAY MINIMUM	89	Sep 7	168	Oct 8	75	Aug 28 1988
MAXIMUM PEAK FLOW			7740	Jul 16	17000	Oct 4 1964
MAXIMUM PEAK STAGE			9.73	Jul 16	17.63	Oct 4 1964
ANNUAL RUNOFF (CFSM)	1.59		2.69		2.15	
ANNUAL RUNOFF (INCHES)	21.60		36.58		29.27	
10 PERCENT EXCEEDS	630		990		915	
50 PERCENT EXCEEDS	325		557		390	
90 PERCENT EXCEEDS	141		288		180	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 123
LATITUDE 344018 LONGITUDE 0843031 NAD27 DRAINAGE AREA 236 CONTRIBUTING DRAINAGE AREA 236* DATUM 1216.04 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.45	1.57	1.53	2.08	2.05	2.73	1.92	2.28	2.14	2.79	3.63	1.90
2	1.40	1.48	1.51	2.08	1.95	2.55	1.91	2.08	2.09	4.44	3.13	1.86
3	1.37	1.44	1.50	2.13	1.89	2.42	1.90	2.02	2.12	3.26	4.22	2.00
4	1.34	1.50	1.58	2.04	2.41	2.33	1.89	1.96	2.13	2.66	3.04	3.02
5	1.34	1.73	2.64	1.98	2.19	2.29	2.26	2.96	2.07	2.48	2.69	2.24
6	1.31	2.24	2.15	1.93	2.10	3.40	2.11	4.25	2.02	2.41	2.55	2.02
7	1.31	1.89	1.91	1.88	2.42	2.83	2.24	5.22	2.60	2.45	2.53	1.96
8	1.30	1.71	1.80	1.86	2.22	2.56	2.13	4.10	2.86	2.39	2.40	1.95
9	1.28	1.62	1.74	1.85	2.11	2.45	2.23	3.27	2.24	2.27	2.34	1.92
10	1.27	1.58	1.80	1.99	2.17	2.36	2.29	2.93	2.12	2.35	2.29	1.91
11	1.35	1.95	2.33	1.87	2.09	2.30	2.29	2.86	2.10	2.64	2.25	1.92
12	1.34	1.99	2.05	1.81	2.02	2.25	2.19	2.71	2.30	2.46	2.19	1.84
13	1.29	1.85	2.10	1.79	1.97	2.23	2.10	2.48	2.43	2.39	2.21	1.81
14	1.26	1.73	2.25	1.78	1.99	2.20	2.04	2.37	2.32	2.29	2.15	1.80
15	1.34	1.69	2.09	1.76	2.07	2.16	2.01	2.39	2.19	2.22	2.43	1.81
16	1.84	2.09	1.98	1.74	2.06	2.14	1.99	2.36	2.11	3.53	3.19	1.78
17	1.55	1.99	1.89	1.75	2.13	2.18	2.10	2.32	2.17	3.13	2.47	1.76
18	1.41	1.82	1.83	1.71	2.05	2.19	2.21	2.64	2.31	2.46	2.26	1.74
19	1.36	1.76	1.83	1.70	2.00	2.27	2.06	2.39	2.46	2.25	2.17	1.72
20	1.34	1.73	2.45	1.69	1.97	2.35	1.99	2.29	2.27	2.16	2.15	1.71
21	1.35	2.26	2.14	1.72	1.99	2.21	2.25	2.39	2.12	2.11	2.10	1.69
22	1.33	2.19	2.02	1.76	3.74	2.14	2.22	3.92	2.06	2.18	2.08	2.41
23	1.31	1.96	1.93	1.70	3.16	2.09	2.08	3.17	2.01	2.30	2.05	2.54
24	1.29	1.83	3.25	1.64	2.68	2.06	2.04	2.73	1.98	2.11	2.02	1.98
25	1.28	1.76	2.96	1.66	2.42	2.03	2.14	2.51	1.95	2.03	2.00	1.87
26	1.29	1.69	2.47	1.65	2.41	2.02	2.31	2.43	1.93	1.99	1.96	1.83
27	1.29	1.67	2.27	1.64	3.34	2.00	2.11	2.34	1.95	1.99	1.94	1.89
28	1.37	1.62	2.15	1.63	3.15	1.98	2.03	2.28	1.94	1.97	1.93	1.95
29	1.65	1.58	2.06	2.15	---	1.97	1.98	2.25	1.90	1.95	1.91	1.81
30	2.00	1.55	2.00	2.64	---	1.98	2.01	2.20	2.07	1.93	1.91	1.76
31	1.72	---	1.95	2.21	---	1.95	---	2.17	---	2.64	1.91	---
MEAN	1.40	1.78	2.07	1.87	2.31	2.28	2.10	2.72	2.17	2.46	2.39	1.95
MAX	2.00	2.26	3.25	2.64	3.74	3.40	2.31	5.22	2.86	4.44	4.22	3.02
MIN	1.26	1.44	1.50	1.63	1.89	1.95	1.89	1.96	1.90	1.93	1.91	1.69

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 123
LATITUDE 344018 LONGITUDE 0843031 NAD27 DRAINAGE AREA 236 CONTRIBUTING DRAINAGE AREA 236* DATUM 1216.04 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.10	0.00	3.17	0.13	0.00
2	0.00	0.00	0.04	0.24	0.00	0.00	0.00	0.08	0.00	0.29	0.05	0.00
3	0.00	0.30	0.01	0.01	0.00	0.00	0.00	0.00	0.23	0.00	0.18	3.82
4	0.16	0.17	1.47	0.00	0.85	0.01	0.00	0.00	0.05	0.09	0.01	0.55
5	0.00	1.22	0.44	0.00	0.00	0.37	0.75	2.93	0.00	0.50	0.32	0.00
6	0.01	0.01	0.00	0.00	0.65	1.01	0.00	0.93	0.42	0.12	0.16	0.00
7	0.09	0.01	0.00	0.00	0.07	0.00	0.85	1.56	3.32	0.16	0.00	0.09
8	0.01	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.01	0.00
9	0.00	0.01	0.00	0.49	0.06	0.00	0.54	0.00	0.00	0.00	0.20	0.00
10	0.13	0.11	1.39	0.01	0.29	0.00	0.23	0.00	0.01	0.43	0.28	0.16
11	0.26	0.71	0.04	0.00	0.00	0.00	0.00	0.46	0.62	0.43	0.00	0.00
12	0.14	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.57	0.01	0.00
13	0.00	0.00	0.77	0.00	0.00	0.03	0.00	0.00	0.28	0.16	0.01	0.00
14	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.09	0.03
15	1.24	0.54	0.00	0.00	0.00	0.02	0.00	0.30	0.00	0.00	1.02	0.28
16	0.14	0.28	0.00	0.00	0.36	0.00	0.00	0.00	0.08	1.25	0.01	0.00
17	0.00	0.00	0.00	0.02	0.02	0.40	0.81	0.10	0.25	0.00	0.04	0.00
18	0.00	0.00	0.00	0.01	0.00	0.04	0.10	1.70	0.12	0.00	0.00	0.00
19	0.00	0.22	1.06	0.02	0.00	1.10	0.00	0.01	0.01	0.00	0.00	0.00
20	0.13	0.54	0.01	0.01	0.02	0.10	0.00	0.10	0.00	0.00	0.03	0.00
21	0.01	0.67	0.00	0.14	0.60	0.00	0.57	---	0.00	0.00	0.00	0.01
22	0.00	0.00	0.05	0.00	1.72	0.00	0.00	---	0.00	0.60	0.00	2.67
23	0.00	0.00	0.03	0.00	0.02	0.00	0.00	---	0.00	0.03	0.00	0.00
24	0.00	0.00	1.92	0.00	0.01	---	0.28	---	0.00	0.00	0.06	0.00
25	0.04	0.00	0.05	0.00	0.05	---	0.35	---	0.00	0.00	0.00	0.00
26	0.00	0.10	0.00	0.00	0.64	---	0.01	---	0.00	0.00	0.00	0.00
27	0.01	0.01	0.00	0.00	0.99	0.00	0.00	---	0.02	0.00	0.00	0.60
28	0.56	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.00	0.00
29	1.23	0.00	0.00	1.86	---	0.03	0.00	0.03	0.00	0.01	0.12	0.00
30	0.19	0.00	0.00	0.20	---	0.12	0.86	0.00	0.50	0.20	0.00	0.00
31	0.00	---	0.12	0.01	---	0.00	---	0.00	---	0.93	0.01	---
TOTAL	4.35	5.11	7.40	3.27	6.81	---	5.55	---	6.27	8.98	2.74	8.21

MOBILE RIVER BASIN
2003 Water Year

02381400 CARTERS LAKE NEAR CARTERS, GA

LOCATION.—Lat 34°36'50", long 84°40'16", Murray County, Hydrologic Unit 03150102, at forebay of dam on Coosawattee River, 1.3 miles upstream from Talking Rock Creek, 1.3 miles east of Carters, 1.9 miles upstream from Louisville and Nashville Railway bridge, and at mile 26.8.

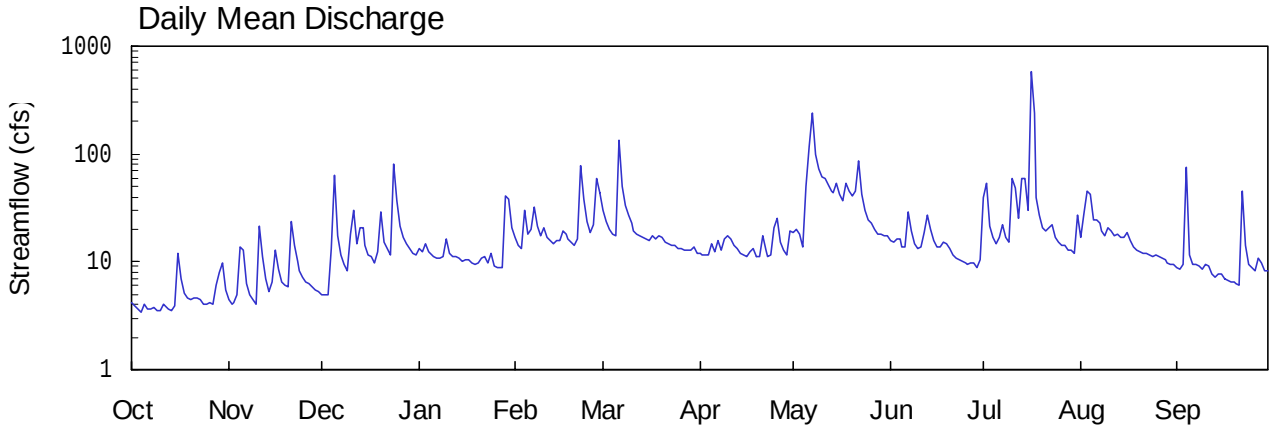
REMARKS.—Water levels are provided by the U.S. Army Corps of Engineers, Mobile District. Please see the following Internet location for more information:

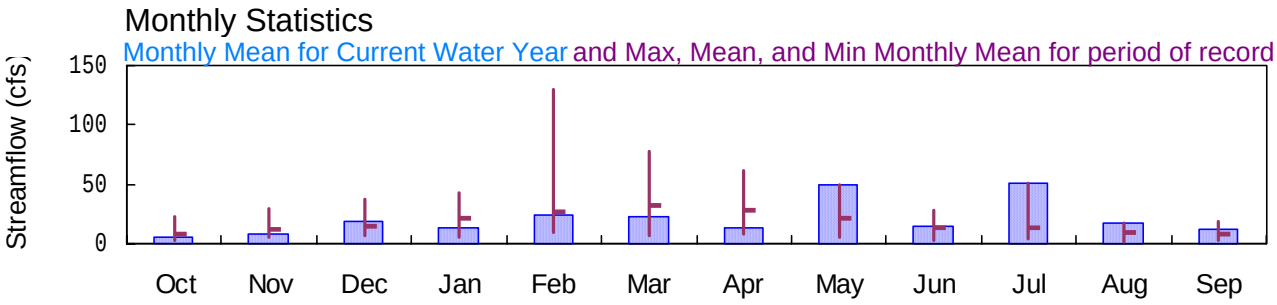
http://water.sam.usace.army.mil/

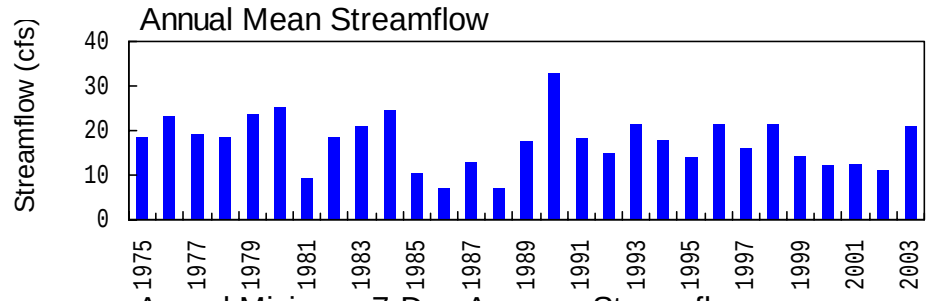
2003 Water Year

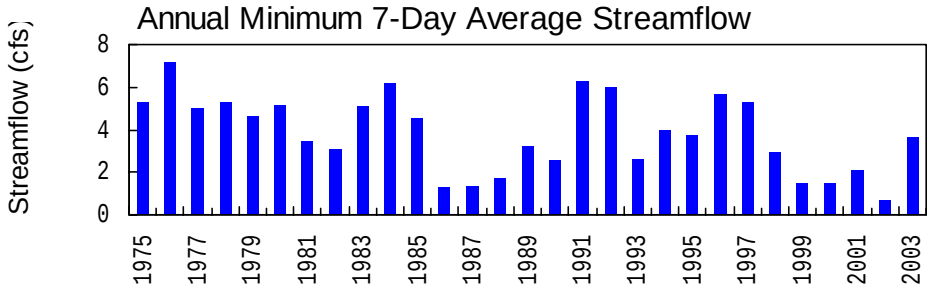
02381600 FAUSETT CREEK NEAR TALKING ROCK, GA

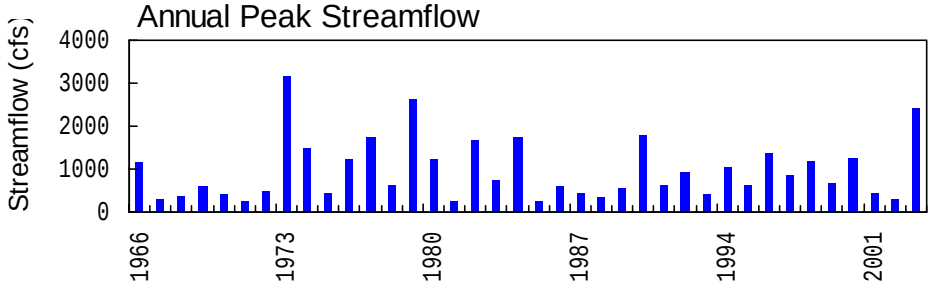
Latitude: 34°34'13" Longitude: 084°28'08" Hydrologic Unit Code: 03150102 Gilmer County
Drainage Area: 9.99 mi² Datum: 1311. feet











MOBILE RIVER BASIN
2003 Water Year

02381600 FAUSETT CREEK NEAR TALKING ROCK, GA

LOCATION.—Lat 34°34'13", long 84°28'08" referenced to North American Datum (NAD) of 1927, Gilmer County, Hydrologic Unit 03150102, on right bank 25.0 feet upstream from culvert on County Road 1011, 3.6 miles upstream from mouth, and 4.5 miles northeast of Talking Rock.

DRAINAGE AREA.—9.99 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Annual maximum, water years 1966-74, October 1974 to current year.

GAGE.—Water-stage recorder. Datum of gage is 1,311.14 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good, except for periods of estimate discharge, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 300 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
03/06	0515	406	4.47
05/07	0315	610	5.49
07/16	unknown	2,400*	12.46*
09/04	0130	450	4.63

WATER-STAGE RECORDS

PERIOD OF RECORD.—Annual maximum, water years 1966-1974, October 1974 to current year.

GAGE.—Water-stage recorder. Datum of gage is 1,311.14 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 12.46 feet, July 16 (from flood mark); minimum gage-height recorded, 1.27 feet, November 1-3, 5, 9-11, but could have been lower during periods of missing record.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02381600 FAUSETT CREEK NEAR TALKING ROCK, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 123
LATITUDE 343413 LONGITUDE 0842808 NAD27 DRAINAGE AREA 9.99 CONTRIBUTING DRAINAGE AREA 9.99* DATUM 1311.74 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e4.2	4.4	5.0	13	17	30	12	18	16	40	17	8.7
2	e3.9	4.1	4.9	12	14	24	12	20	15	53	28	8.5
3	e3.7	4.1	4.9	15	13	20	11	18	16	21	45	9.4
4	e3.4	5.0	13	12	30	18	12	14	16	17	43	77
5	e4.0	14	64	12	18	18	15	50	14	15	25	12
6	e3.7	13	17	11	20	137	12	117	14	17	24	9.4
7	e3.7	6.4	12	11	32	49	16	243	29	22	23	9.3
8	e3.8	5.0	9.5	11	22	33	13	98	19	e17	19	9.0
9	e3.5	4.5	8.1	11	18	27	17	73	15	e15	17	8.4
10	e3.5	4.1	18	16	21	23	17	61	13	e60	21	9.6
11	e4.0	21	30	12	17	20	16	59	14	e49	19	9.0
12	e3.9	11	15	11	16	18	14	52	19	e25	18	7.8
13	e3.6	6.8	20	11	15	18	13	46	27	e59	18	7.3
14	e3.5	5.2	21	11	16	17	12	44	20	e59	17	7.7
15	e3.9	6.4	14	10	16	16	11	53	16	e30	17	7.8
16	e12	13	12	10	19	16	11	43	14	e574	19	7.0
17	e6.9	8.6	11	10	18	18	13	37	14	e242	16	6.7
18	e5.1	6.5	9.7	9.7	16	16	13	54	15	e40	14	6.4
19	e4.7	6.0	12	9.5	15	17	11	45	15	e27	13	6.5
20	e4.4	5.9	29	9.7	14	17	11	41	13	e21	12	6.3
21	e4.7	24	15	11	16	15	17	46	12	e19	12	6.2
22	e4.7	14	13	11	77	15	13	86	11	e21	12	46
23	e4.4	10	12	9.7	38	14	11	43	10	e22	12	14
24	e4.1	8.2	82	12	23	14	12	30	10	e17	11	9.6
25	e4.1	7.1	37	9.1	19	13	21	25	9.6	e15	11	8.7
26	e4.2	6.6	21	9.0	22	13	25	23	9.4	e14	11	8.3
27	e4.1	6.3	17	8.9	59	13	15	20	9.7	e14	11	11
28	e6.0	5.8	15	8.9	44	13	13	18	9.8	e13	10	9.8
29	e8.0	5.4	13	41	---	13	12	18	9.0	e13	9.7	8.2
30	9.8	5.4	12	38	---	14	19	17	10	12	9.4	8.3
31	5.5	---	11	21	---	12	---	17	---	27	9.4	---
TOTAL	149.0	247.8	578.1	407.5	665	701	420	1529	434.5	1590	543.5	363.9
MEAN	4.81	8.26	18.6	13.1	23.8	22.6	14.0	49.3	14.5	51.3	17.5	12.1
MAX	12	24	82	41	77	137	25	243	29	574	45	77
MIN	3.4	4.1	4.9	8.9	13	12	11	14	9.0	12	9.4	6.2
CFSM	0.48	0.83	1.87	1.32	2.38	2.26	1.40	4.94	1.45	5.13	1.75	1.21
IN.	0.55	0.92	2.15	1.52	2.48	2.61	1.56	5.69	1.62	5.92	2.02	1.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2003, BY WATER YEAR (WY)

MEAN	8.67	12.2	14.9	22.0	26.9	32.2	28.3	21.3	14.0	13.2	8.93	7.69
MAX	22.7	29.7	38.2	42.2	129	78.3	61.9	49.3	28.5	51.3	17.5	19.0
(WY)	1998	1978	1993	1990	1990	1980	1979	2003	1989	2003	2003	1989
MIN	3.10	4.82	6.14	6.00	9.52	6.47	8.67	5.65	2.92	3.47	1.82	3.08
(WY)	1988	1999	1989	1981	1988	2000	1986	1986	1988	1988	2002	1987

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1975 - 2003	
ANNUAL TOTAL	4230.67		7629.3			
ANNUAL MEAN	11.6		20.9		17.5	
HIGHEST ANNUAL MEAN					32.9	1990
LOWEST ANNUAL MEAN					7.15	1988
HIGHEST DAILY MEAN	128	Mar 30	574	Jul 16	831	Feb 16 1990
LOWEST DAILY MEAN	0.58	Sep 11	3.4	Oct 4	0.58	Sep 11 2002
ANNUAL SEVEN-DAY MINIMUM	0.65	Sep 8	3.7	Oct 4	0.65	Sep 8 2002
MAXIMUM PEAK FLOW			2400	Jul 16	3160	May 29 1973
MAXIMUM PEAK STAGE			12.46	Jul 16	16.96	May 29 1973
INSTANTANEOUS LOW FLOW					1.1	Jun 24 1986
ANNUAL RUNOFF (CFSM)	1.16		2.09		1.75	
ANNUAL RUNOFF (INCHES)	15.75		28.41		23.75	
10 PERCENT EXCEEDS	21		41		31	
50 PERCENT EXCEEDS	8.0		14		12	
90 PERCENT EXCEEDS	1.8		5.3		5.0	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02381600 FAUSETT CREEK NEAR TALKING ROCK, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 123
LATITUDE 343413 LONGITUDE 0842808 NAD27 DRAINAGE AREA 9.99 CONTRIBUTING DRAINAGE AREA 9.99* DATUM 1311.74 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1.28	1.36	1.67	1.77	1.99	1.63	1.79	1.75	2.01	1.51	1.35
2	---	1.27	1.36	1.65	1.71	1.91	1.62	1.79	1.72	2.21	1.59	1.34
3	---	1.27	1.35	1.72	1.67	1.86	1.61	1.81	1.76	1.86	1.90	1.36
4	---	1.30	1.57	1.64	1.96	1.82	1.61	1.69	1.76	1.77	1.89	2.15
5	---	1.54	2.30	1.62	1.81	1.80	1.71	2.10	1.70	1.72	1.66	1.51
6	---	1.54	1.79	1.59	1.82	2.83	1.65	2.74	1.69	1.76	1.65	1.45
7	---	1.35	1.61	1.57	2.01	2.19	1.74	3.52	1.98	1.87	1.62	1.45
8	---	1.30	1.54	1.57	1.89	2.02	1.66	2.59	1.83	---	1.56	1.44
9	---	1.28	1.49	1.59	1.81	1.95	1.77	2.39	1.72	---	1.52	1.42
10	---	1.27	1.65	1.74	1.87	1.90	1.80	2.29	1.67	---	1.58	1.45
11	---	1.71	1.98	1.63	1.79	1.86	1.76	2.28	1.68	---	1.56	1.44
12	---	1.55	1.72	1.60	1.75	1.82	1.70	2.21	1.79	---	1.53	1.40
13	---	1.43	1.84	1.59	1.71	1.81	1.66	2.15	1.93	---	1.54	1.39
14	---	1.37	1.86	1.57	1.75	1.78	1.63	2.14	1.85	---	1.51	1.40
15	---	1.40	1.71	1.56	1.75	1.77	1.61	2.22	1.74	---	1.51	1.40
16	---	1.66	1.62	1.56	1.83	1.76	1.60	2.13	1.69	---	1.54	1.37
17	---	1.50	1.59	1.57	1.82	1.80	1.65	2.07	1.68	---	1.49	1.36
18	---	1.42	1.54	1.55	1.77	1.77	1.68	2.22	1.73	---	1.45	1.35
19	---	1.40	1.60	1.54	1.73	1.80	1.60	2.15	1.72	---	1.43	1.36
20	---	1.40	1.96	1.54	1.71	1.78	1.59	2.11	1.66	---	1.42	1.35
21	---	1.89	1.74	1.59	1.76	1.74	1.75	2.15	1.61	---	1.42	1.34
22	---	1.70	1.68	1.59	2.39	1.73	1.66	2.49	1.59	---	1.42	1.85
23	---	1.56	1.61	1.54	2.07	1.71	1.60	2.12	1.57	---	1.41	1.58
24	---	1.49	2.40	1.62	1.91	1.69	1.61	1.98	1.55	---	1.40	1.45
25	---	1.45	2.07	1.52	1.83	1.68	1.82	1.93	1.54	---	1.40	1.43
26	---	1.43	1.88	1.52	1.88	1.67	1.92	1.91	1.53	---	1.39	1.41
27	---	1.42	1.79	1.51	2.26	1.67	1.74	1.86	1.54	---	1.39	1.49
28	---	1.39	1.72	1.51	2.13	1.66	1.66	1.82	1.54	---	1.38	1.46
29	---	1.38	1.67	1.96	---	1.66	1.62	1.82	1.52	---	1.37	1.41
30	1.46	1.37	1.63	2.08	---	1.68	1.71	1.80	1.57	1.42	1.36	1.41
31	1.32	---	1.61	1.87	---	1.64	---	1.80	---	1.67	1.36	---
MEAN	---	1.44	1.72	1.63	1.86	1.83	1.68	2.13	1.69	---	1.51	1.45
MAX	---	1.89	2.40	2.08	2.39	2.83	1.92	3.52	1.98	---	1.90	2.15
MIN	---	1.27	1.35	1.51	1.67	1.64	1.59	1.69	1.52	---	1.36	1.34

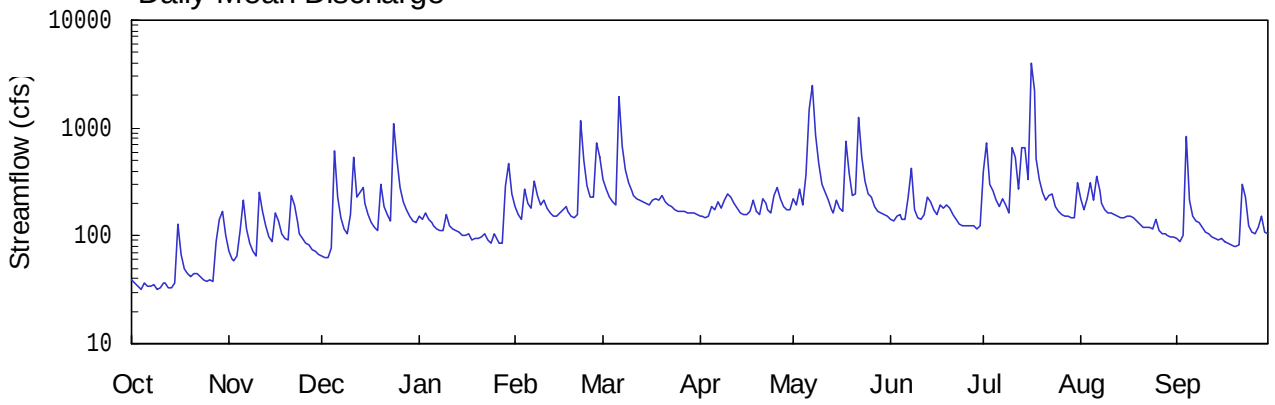
2003 Water Year

02382200 TALKING ROCK CREEK NEAR HINTON, GA

Latitude: 34°31'22" Longitude: 084°36'40" Hydrologic Unit Code: 03150102 Pickens County

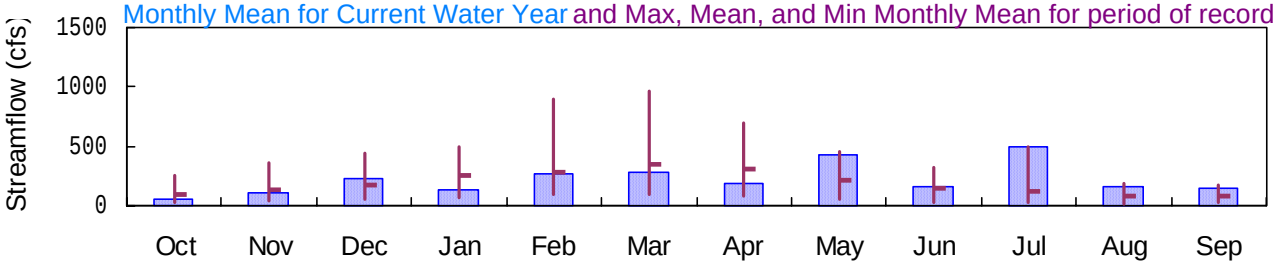
Drainage Area: 119 mi^2 Datum: 893.6 feet

Daily Mean Discharge

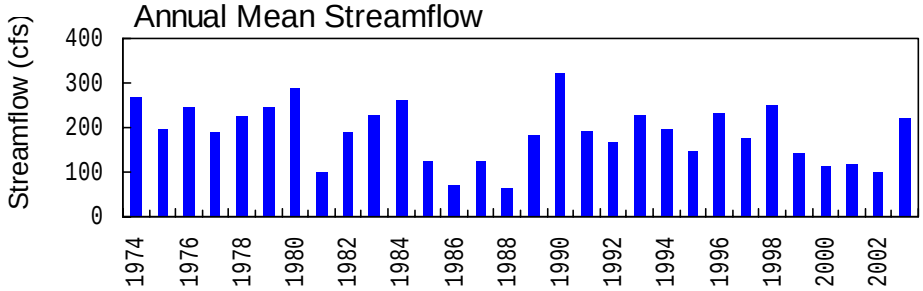


Monthly Statistics

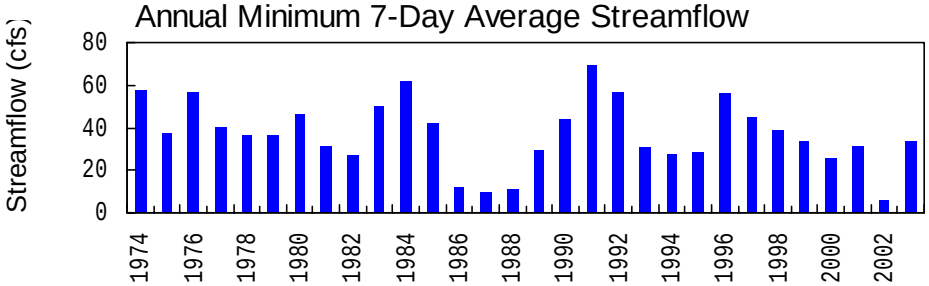
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



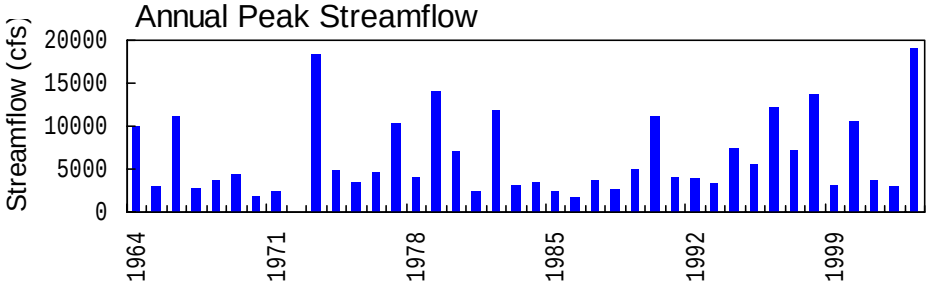
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



MOBILE RIVER BASIN
2003 Water Year

02382200 TALKING ROCK CREEK NEAR HINTON, GA

LOCATION.—Lat 34°31'22", long 84°36'40" referenced to North American Datum (NAD) of 1983, Pickens County, Hydrologic Unit 03150102, on left bank, 300.0 feet downstream from Scarecorn Creek, and 3.3 miles northwest of Hinton.

DRAINAGE AREA.—119 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—November 1973 to current year.

REVISED RECORDS.—WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 893.69 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records fair.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of May 28, 1973, reached a stage of 15.45 feet, from flood marks; discharge 18,400 cfs from rating curve extended above 6,200 cfs on basis of slope-area measurements of gage height 15.45 feet.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 2,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
02/22	0900	2,550	5.70
03/06	0630	5,600	8.47
05/06	1515	2,510	5.66
05/07	0530	5,230	8.18
05/22	1015	2,680	5.85
07/16	unknown	19,000*	15.65*

02382200 TALKING ROCK CREEK NEAR HINTON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 1973 to current year.

REVISED RECORDS.—WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 893.69 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 15.65 feet, July 16; minimum gage-height recorded, 0.84 feet, October 4, 15.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 8, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02382200 TALKING ROCK CREEK NEAR HINTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 227
LATITUDE 343122 LONGITUDE 0843640 NAD83 DRAINAGE AREA 119 CONTRIBUTING DRAINAGE AREA 119* DATUM 893.69 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	72	65	153	184	336	152	224	143	401	221	95
2	36	61	63	143	155	271	151	193	137	739	172	90
3	34	58	64	163	140	230	149	273	150	300	221	100
4	32	66	77	144	267	207	151	195	157	264	310	848
5	37	113	604	135	199	196	188	364	144	213	214	210
6	34	213	232	124	178	1920	173	1510	141	186	359	151
7	34	115	146	117	320	686	208	2460	228	223	263	136
8	35	85	117	113	236	414	180	874	429	194	197	132
9	32	72	103	113	194	312	215	468	174	161	175	119
10	32	65	158	156	212	263	247	299	148	650	162	108
11	37	256	528	124	182	239	227	254	144	540	163	106
12	36	168	232	115	165	223	199	210	160	273	159	98
13	33	124	250	112	150	214	180	174	232	649	152	94
14	32	96	277	107	154	204	166	161	208	650	148	91
15	37	87	197	101	162	197	159	211	175	328	148	94
16	128	165	156	100	174	193	155	179	159	3960	153	89
17	68	137	133	104	187	216	170	170	191	2250	153	86
18	49	106	119	92	168	219	212	741	180	515	145	82
19	45	95	113	96	154	216	170	381	194	336	135	81
20	41	90	304	94	147	238	158	239	182	256	129	80
21	45	239	186	97	158	205	223	242	155	214	120	81
22	45	196	157	103	1170	192	202	1260	142	237	120	299
23	41	132	136	92	493	184	173	544	130	246	119	229
24	39	106	1090	85	294	176	165	318	125	189	115	125
25	38	95	524	105	232	169	237	246	124	168	141	108
26	39	86	284	90	230	169	280	226	125	156	112	105
27	38	82	207	86	716	167	218	189	123	151	106	122
28	87	75	172	85	532	163	186	171	125	153	104	155
29	142	71	151	290	---	162	172	165	118	149	100	109
30	167	68	138	471	---	164	177	157	123	145	98	104
31	103	---	131	245	---	156	---	154	---	312	99	---
TOTAL	1636	3394	7114	4155	7553	8901	5643	13252	4966	15208	5013	4327
MEAN	52.8	113	229	134	270	287	188	427	166	491	162	144
MAX	167	256	1090	471	1170	1920	280	2460	429	3960	359	848
MIN	32	58	63	85	140	156	149	154	118	145	98	80
CFSM	0.44	0.95	1.93	1.13	2.27	2.41	1.58	3.59	1.39	4.12	1.36	1.21
IN.	0.51	1.06	2.22	1.30	2.36	2.78	1.76	4.14	1.55	4.75	1.57	1.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2003, BY WATER YEAR (WY)

MEAN	92.2	132	171	253	288	354	304	218	149	125	86.5	76.3
MAX	260	366	439	500	895	964	697	455	322	491	188	178
(WY)	1990	1993	1984	1974	1990	1980	1979	1984	1989	2003	1984	1989
MIN	20.7	36.1	49.8	70.5	100	89.8	75.5	53.5	23.5	26.2	13.3	23.5
(WY)	1988	1988	1989	1981	1988	1988	1986	1988	1988	1988	2002	1987

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1974 - 2003	
ANNUAL TOTAL	42075.9		81162			
ANNUAL MEAN	115		222		185	
HIGHEST ANNUAL MEAN					323	1990
LOWEST ANNUAL MEAN					62.7	1988
HIGHEST DAILY MEAN	1420	Jan 25	3960	Jul 16	6890	Mar 4 1979
LOWEST DAILY MEAN	5.6	Sep 13	32	Oct 4	5.6	Sep 13 2002
ANNUAL SEVEN-DAY MINIMUM	6.4	Sep 8	34	Oct 4	6.4	Sep 8 2002
MAXIMUM PEAK FLOW			19000	Jul 16	19000	Jul 16 2003
MAXIMUM PEAK STAGE			15.65	Jul 16	15.65	Jul 16 2003
ANNUAL RUNOFF (CFSM)	0.97		1.87		1.55	
ANNUAL RUNOFF (INCHES)	13.15		25.37		21.07	
10 PERCENT EXCEEDS	201		323		329	
50 PERCENT EXCEEDS	87		159		121	
90 PERCENT EXCEEDS	15		72		44	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02382200 TALKING ROCK CREEK NEAR HINTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 227
LATITUDE 343122 LONGITUDE 0843640 NAD83 DRAINAGE AREA 119 CONTRIBUTING DRAINAGE AREA 119* DATUM 893.69 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.94	1.20	1.15	1.62	1.74	2.23	1.54	1.81	1.74	2.34	1.93	1.42
2	0.91	1.12	1.13	1.57	1.63	2.04	1.54	1.70	1.71	3.12	1.77	1.39
3	0.89	1.10	1.14	1.66	1.56	1.90	1.53	1.97	1.76	2.25	1.92	1.43
4	0.86	1.15	1.22	1.58	1.99	1.82	1.54	1.71	1.79	2.12	2.16	3.21
5	0.91	1.37	2.79	1.54	1.80	1.78	1.68	2.14	1.74	2.00	1.91	1.89
6	0.89	1.83	1.91	1.49	1.72	4.61	1.63	4.33	1.72	1.91	2.24	1.70
7	0.89	1.44	1.59	1.45	2.18	2.97	1.75	5.42	2.04	2.03	2.04	1.63
8	0.90	1.28	1.45	1.43	1.92	2.36	1.66	3.34	2.47	1.94	1.85	1.62
9	0.86	1.20	1.38	1.43	1.78	2.10	1.78	2.57	1.86	1.81	1.78	1.55
10	0.87	1.15	1.53	1.63	1.84	1.94	1.89	2.22	1.76	2.76	1.74	1.49
11	0.91	1.94	2.64	1.49	1.73	1.86	1.82	2.12	1.74	2.77	1.74	1.48
12	0.91	1.68	1.91	1.44	1.67	1.81	1.73	1.99	1.80	2.18	1.73	1.44
13	0.87	1.48	1.96	1.43	1.61	1.78	1.66	1.86	2.06	2.91	1.70	1.42
14	0.87	1.34	2.05	1.40	1.62	1.75	1.60	1.81	1.99	2.97	1.68	1.40
15	0.91	1.29	1.79	1.37	1.65	1.72	1.57	1.99	1.87	2.32	1.68	1.42
16	1.50	1.66	1.63	1.36	1.70	1.70	1.55	1.88	1.80	5.11	1.71	1.39
17	1.17	1.54	1.53	1.38	1.75	1.78	1.61	1.84	1.93	4.92	1.71	1.37
18	1.03	1.40	1.46	1.32	1.68	1.80	1.77	3.08	1.89	2.61	1.67	1.35
19	0.99	1.33	1.43	1.34	1.62	1.79	1.62	2.44	1.94	2.23	1.63	1.34
20	0.96	1.31	2.12	1.33	1.59	1.86	1.57	2.09	1.89	2.03	1.60	1.34
21	0.99	1.91	1.75	1.35	1.64	1.75	1.80	2.09	1.79	1.91	1.56	1.34
22	0.99	1.78	1.63	1.38	3.66	1.70	1.74	3.86	1.73	1.97	1.56	1.96
23	0.96	1.52	1.54	1.32	2.59	1.67	1.63	2.78	1.67	2.00	1.55	1.93
24	0.93	1.40	3.48	1.27	2.11	1.64	1.60	2.30	1.65	1.83	1.53	1.58
25	0.92	1.33	2.65	1.39	1.91	1.61	1.85	2.11	1.65	1.76	1.65	1.50
26	0.94	1.29	2.07	1.31	1.90	1.61	1.99	2.04	1.65	1.72	1.52	1.48
27	0.92	1.26	1.82	1.28	3.00	1.61	1.79	1.92	1.64	1.70	1.48	1.55
28	1.19	1.21	1.69	1.28	2.68	1.59	1.68	1.85	1.65	1.70	1.48	1.70
29	1.57	1.19	1.61	1.86	---	1.58	1.62	1.83	1.61	1.69	1.46	1.50
30	1.67	1.17	1.55	2.53	---	1.59	1.64	1.80	1.64	1.67	1.44	1.47
31	1.38	---	1.52	1.95	---	1.56	---	1.78	---	2.13	1.45	---
MEAN	1.02	1.40	1.78	1.49	1.94	1.92	1.68	2.34	1.81	2.34	1.71	1.58

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02382200 TALKING ROCK CREEK NEAR HINTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 227
LATITUDE 343122 LONGITUDE 0843640 NAD83 DRAINAGE AREA 119 CONTRIBUTING DRAINAGE AREA 119* DATUM 893.69 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	0.00	0.21	0.00	0.00	0.00	0.01	0.00	2.41	0.00	0.00
2	0.00	---	0.03	0.27	0.00	0.00	0.00	0.63	0.00	0.38	0.00	0.00
3	0.00	---	0.00	0.02	0.00	0.00	0.00	0.00	0.25	0.00	0.36	1.87
4	0.19	---	1.70	0.00	0.82	0.00	0.01	0.00	0.08	0.75	0.00	0.16
5	0.00	---	0.37	0.00	0.00	0.40	0.73	---	0.00	0.00	0.71	0.00
6	0.05	---	0.00	0.00	0.73	1.87	0.02	---	0.72	0.12	0.46	0.00
7	0.24	---	0.00	0.00	0.08	0.00	0.57	---	0.90	0.16	0.00	0.07
8	0.00	---	0.00	0.00	0.00	0.00	0.08	---	0.01	0.00	0.00	0.01
9	0.00	0.01	0.00	0.41	0.11	0.00	0.65	---	0.00	0.00	0.00	0.00
10	0.12	0.01	1.45	0.06	0.28	0.00	0.15	---	0.01	0.80	0.00	0.02
11	0.16	1.44	0.07	0.00	0.00	0.00	0.00	---	0.37	0.05	0.14	0.00
12	0.02	0.18	0.00	0.00	0.00	0.00	0.00	---	0.37	0.03	0.03	0.00
13	0.01	0.00	0.67	0.00	0.00	0.00	0.00	---	0.62	1.93	0.03	0.00
14	0.00	0.00	0.00	0.00	0.37	0.00	0.00	---	0.01	0.02	0.00	0.09
15	1.41	0.81	0.00	0.00	0.01	0.06	0.00	---	0.00	0.00	0.38	0.00
16	0.06	0.12	0.00	0.07	0.36	0.00	0.00	---	0.49	4.01	0.00	0.00
17	0.00	0.00	0.00	0.00	0.03	0.65	0.65	---	0.33	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.03	0.09	---	0.29	0.00	0.00	0.00
19	0.00	0.11	0.96	0.00	0.00	1.61	0.00	---	0.24	0.01	0.00	0.00
20	0.13	0.54	0.00	0.01	0.06	0.07	0.00	---	0.00	0.00	0.00	0.00
21	0.06	0.57	0.00	0.21	0.56	0.00	0.81	---	0.00	0.01	0.00	0.02
22	0.00	0.01	0.12	0.00	1.42	0.00	0.00	---	0.00	0.44	0.00	1.89
23	0.02	0.00	0.03	0.01	0.02	0.00	0.00	---	0.00	0.00	0.00	0.00
24	0.04	0.00	1.94	0.00	0.00	0.00	0.25	---	0.00	0.01	0.00	0.00
25	0.03	0.00	0.03	0.00	0.00	0.00	0.48	---	0.00	0.00	0.00	0.00
26	0.00	0.09	0.00	0.00	0.47	0.00	0.00	---	0.00	0.00	0.00	0.00
27	0.01	0.00	0.00	0.00	1.15	0.00	0.00	---	0.00	0.00	0.00	0.75
28	0.84	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.27	0.00	0.01
29	1.25	0.00	0.00	1.99	---	0.01	0.00	0.01	0.00	0.00	0.00	0.00
30	---	0.00	0.00	0.08	---	0.15	0.80	0.00	0.30	0.60	0.00	0.00
31	---	---	0.06	0.00	---	0.00	---	0.00	---	0.70	0.00	---
TOTAL	---	---	7.43	3.34	6.48	4.85	5.29	---	4.99	12.70	2.11	4.89

MOBILE RIVER BASIN
2003 Water Year

02382400 CARTERS RE-REGULATION LAKE NEAR CARTERS, GA

LOCATION.—Lat 34°36'15", long 84°41'29" referenced to North American Datum (NAD) of 1927, Murray County, Hydrologic Unit 03150102, at afterbay of main dam, on Coosawattee River, 0.2 miles downstream from Talking Rock Creek, 0.2 miles upstream from Louisville and Nashville Railway bridge, 1.5 miles downstream from main dam and at mile 25.3.

DRAINAGE AREA.—520 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—July 1975 to current year.

REVISED RECORDS.—WRD GA-80-1: Drainage area. WRD GA-9301: 1989-91.

GAGE.—Water stage recorder. Datum of gage is 600.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Reservoir is formed by concrete gravity dam with earth dikes on either side. Spillway (crest elevation, 662.5 feet) is equipped with four tainter gages 42.0 feet wide by 36.5 feet high. Capacity at maximum storage pool elevation, 698.00 feet, is 17,600 acre-feet. Dead storage is 290 acre-feet. The reservoir is used for storage and re-regulation of power releases from Carters main dam.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height, 46.34 feet, July 16; minimum gage-height, 23.88 feet, March 17.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02382400 CARTERS RE-REGULATION LAKE NEAR CARTERS, GA SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 343615 LONGITUDE 0844129 NAD27 DATUM 600.00 NGVD29

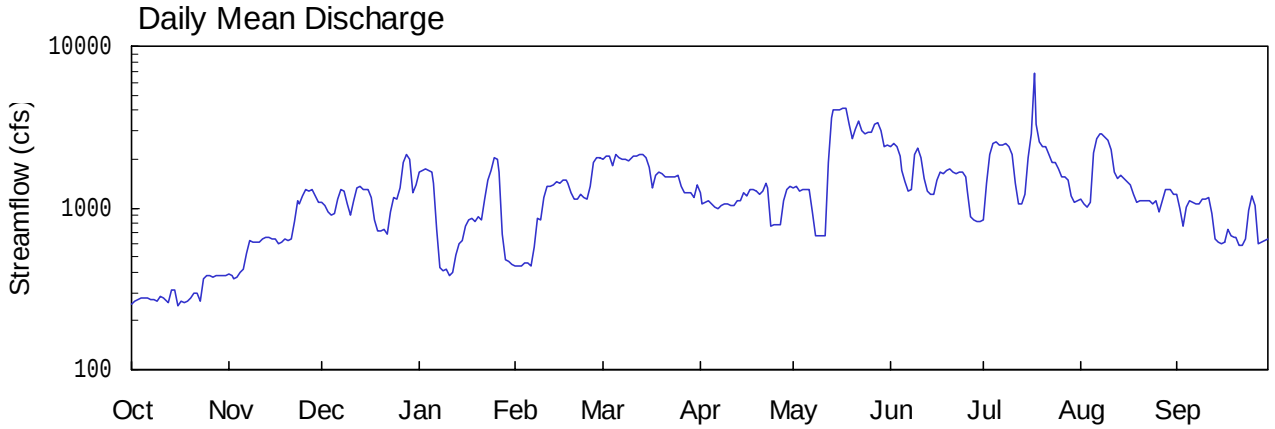
Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

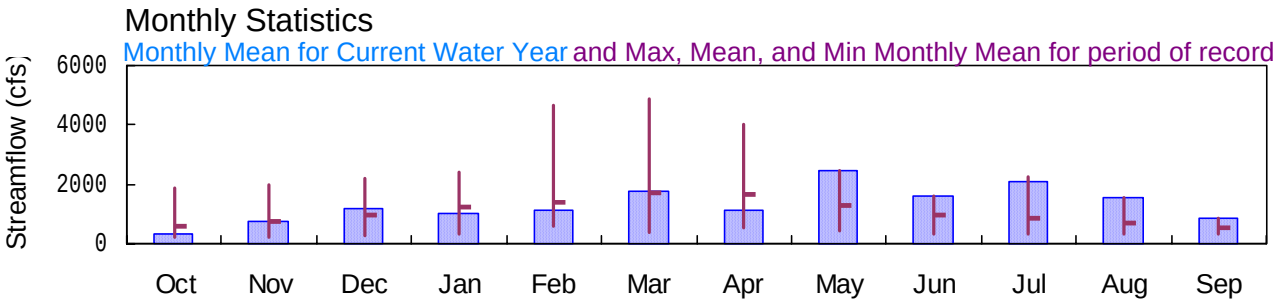
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33.49	38.51	35.96	34.91	37.96	39.92	35.68	34.44	33.66	37.16	41.43	31.51
2	34.97	37.99	36.10	35.74	34.48	35.94	36.70	35.69	29.69	39.78	39.84	32.81
3	36.46	34.23	35.94	37.36	33.06	33.64	37.85	36.58	30.99	41.77	35.00	36.71
4	37.92	32.19	36.16	36.73	33.94	34.73	38.95	34.21	32.99	42.11	33.69	40.11
5	38.82	34.60	37.89	32.58	37.45	37.15	37.72	33.07	35.25	41.45	37.70	41.86
6	38.05	36.60	40.56	31.32	39.26	40.87	35.82	36.05	36.65	39.14	39.09	41.51
7	36.93	38.47	39.67	32.57	41.23	41.82	34.85	39.60	35.74	37.72	41.38	36.61
8	37.60	40.25	34.27	34.36	44.06	38.78	37.31	38.99	34.84	36.25	41.93	33.38
9	37.69	39.60	31.12	35.03	41.34	34.88	39.37	39.92	35.99	34.48	40.31	35.52
10	38.02	35.38	33.76	35.12	39.94	33.17	38.36	40.21	35.74	33.09	34.41	36.53
11	38.66	32.17	37.78	34.74	40.03	34.56	37.55	39.85	33.73	34.81	30.13	37.00
12	37.38	33.37	40.91	31.68	39.44	35.64	36.21	38.49	34.84	36.90	33.17	38.20
13	33.73	35.05	43.06	32.06	40.57	36.15	34.22	35.40	36.60	35.72	36.59	38.86
14	30.51	36.94	40.19	34.60	41.72	36.56	33.37	34.79	36.28	37.62	39.90	36.87
15	30.88	38.01	35.01	36.84	40.26	34.87	35.19	34.99	34.06	40.30	40.61	36.47
16	32.70	37.31	31.77	38.96	35.28	29.42	36.58	35.17	33.24	41.38	39.14	37.91
17	35.06	33.18	31.96	39.84	33.39	26.36	38.16	34.65	34.89	40.79	33.32	39.66
18	37.48	32.24	33.18	40.93	34.62	30.46	39.35	35.54	35.85	37.56	29.02	38.66
19	37.93	34.35	35.05	38.50	32.93	32.28	38.02	37.26	37.78	36.37	32.16	38.04
20	34.34	33.16	36.16	36.65	31.41	34.73	35.60	39.09	39.67	35.16	34.87	37.60
21	32.41	33.56	36.39	36.61	32.16	37.47	34.33	38.02	39.06	34.84	37.52	33.14
22	35.31	36.32	33.00	37.08	32.36	38.36	36.32	38.42	35.60	35.25	40.02	32.91
23	36.31	35.95	31.48	37.79	32.83	34.94	36.77	41.51	33.63	35.73	40.31	36.84
24	37.32	33.61	32.69	38.67	32.18	31.77	35.65	41.51	34.84	36.38	36.05	39.01
25	38.31	33.44	35.92	39.67	35.51	31.77	36.40	39.03	35.56	37.62	33.73	39.47
26	38.41	35.64	36.85	37.11	41.21	33.83	36.99	36.87	36.69	37.80	35.67	37.98
27	36.47	37.13	40.11	34.85	43.79	36.04	35.90	36.96	37.60	35.14	37.93	35.78
28	34.21	38.95	38.78	36.42	42.86	37.00	34.63	37.25	38.46	34.96	39.78	33.97
29	36.40	39.52	33.98	36.78	---	37.31	33.66	38.32	34.88	36.66	41.82	31.08
30	36.43	38.34	32.37	37.93	---	34.86	34.05	40.25	34.69	38.53	41.17	31.98
31	37.02	---	34.80	39.12	---	34.64	---	39.28	---	40.24	35.70	---
MEAN	36.04	35.87	35.90	36.21	37.33	35.16	36.39	37.46	35.32	37.51	37.21	36.60
MAX	38.82	40.25	43.06	40.93	44.06	41.82	39.37	41.51	39.67	42.11	41.93	41.86
MIN	30.51	32.17	31.12	31.32	31.41	26.36	33.37	33.07	29.69	33.09	29.02	31.08

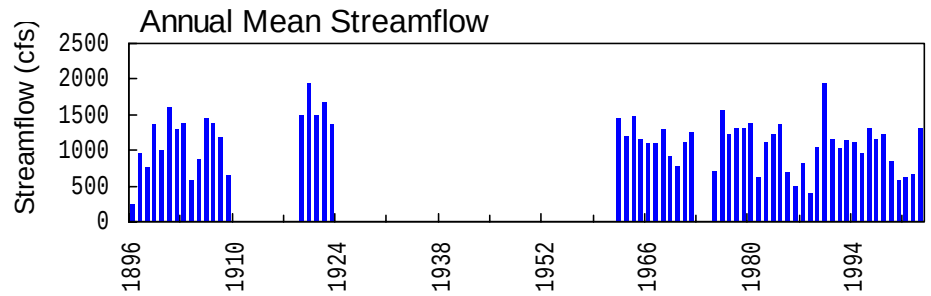
2003 Water Year

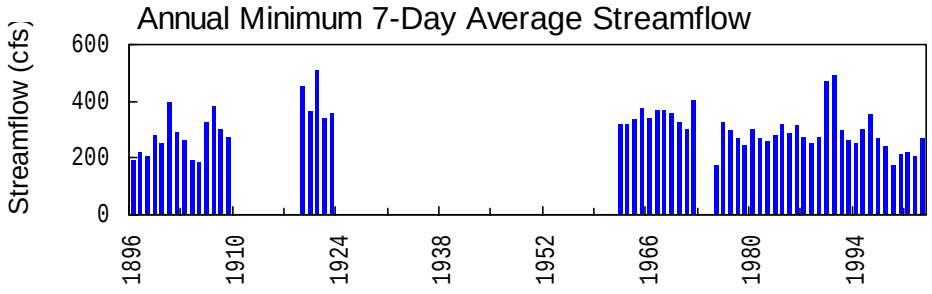
02382500 COOSAWATTEE RIVER AT CARTERS, GA

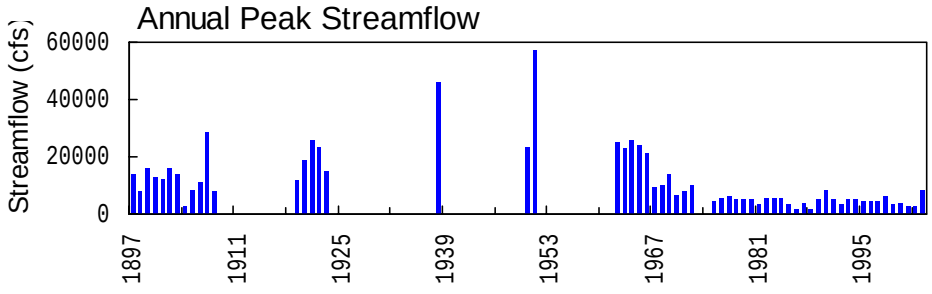
Latitude: 34°36'13" Longitude: 084°41'44" Hydrologic Unit Code: 03150102 Murray County
Drainage Area: 521 mi² Datum: 650.6 feet











MOBILE RIVER BASIN
2003 Water Year

02382500 COOSAWATTEE RIVER AT CARTERS, GA

LOCATION.—Lat 34°36'13", long 84°41'44" referenced to North American Datum (NAD) of 1927, Murray County, Hydrologic Unit 03150102, on downstream side of center bridge pier on US 411 at Carters, 200.0 feet upstream from Louisville & Nashville Railroad bridge, 0.4 miles downstream from Carters re-regulation dam, and 0.6 miles downstream from Talking Rock Creek.

DRAINAGE AREA.—521 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—September 1896 to December 1908, October 1918 to September 1923, October 1961 to September 1972, October 1974 to current year. Monthly discharge only for October to November 1918 published in WSP 1304.

REVISED RECORDS.—WDR GA-80-1: Drainage area.

GAGE.—Phone telemetry with a water-stage recorder. Datum of gage is 650.67 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Corps of Engineers). Prior to September 1923, a non-recording gage was located at a site 0.2 miles upstream at datum 2.00 feet higher.

REMARKS.—Records good. Flow regulated by Carters Lake and Carters re-regulation dam since November 1974. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of March 29 or 30, 1951, reached a stage of about 36 feet, from flood marks; discharge 57,000 cfs, from rating curve extended above 24,000 cfs.

WATER-STAGE RECORDS

PERIOD OF RECORD.—September 1896 to December 1908, October 1918 to September 1923, October 1961 to September 1972, October 1974 to current year.

GAGE.—Phone telemetry with a water-stage recorder. Datum of gage is 650.67 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Corps of Engineers). Prior to September 1923, a non-recording gage was located at a site 0.2 miles upstream at datum 2.00 feet higher.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 19.10 feet, July 17; minimum gage-height recorded, 2.57 feet, March 4.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02382500 COOSAWATTEE RIVER AT CARTERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 343613 LONGITUDE 0844144 NAD27 DRAINAGE AREA 521 CONTRIBUTING DRAINAGE AREA 521* DATUM 650.67 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	253	389	1090	1660	438	1990	1250	1340	2370	835	1140	1220
2	262	384	1040	1710	438	2080	1050	1350	2490	1420	1050	979
3	270	364	935	1720	437	2090	1070	1270	2390	2160	1010	762
4	277	377	903	1700	455	1840	1100	1290	2100	2480	1080	1010
5	280	400	924	1650	453	2110	1070	1300	1720	2540	2190	1100
6	277	418	1120	1430	439	2040	1020	1300	1440	2430	2650	1090
7	270	525	1290	729	574	1980	991	944	1280	2420	2840	1070
8	272	622	1280	425	872	2000	1030	668	1300	2490	2870	1070
9	268	614	1060	407	839	1970	1070	669	2120	2420	2750	1130
10	286	609	893	418	1150	2030	1050	668	2340	2140	2640	1150
11	278	616	1100	377	1350	2070	1030	667	2020	1420	2260	1150
12	271	638	1330	401	1360	2070	1040	1920	1500	1060	1670	918
13	260	660	1370	515	1400	2130	1100	3630	1280	1050	1510	637
14	314	654	1300	604	1440	2120	1100	4000	1220	1210	1590	608
15	309	648	1290	630	1430	2040	1230	3990	1210	2060	1520	601
16	249	642	1310	773	1480	1800	1190	4080	1490	2840	1450	620
17	263	597	1160	847	1480	1330	1280	4080	1650	6750	1380	744
18	261	619	839	866	1410	1610	1300	4090	1650	3290	1210	667
19	264	647	726	829	1240	1660	1270	3270	1700	2570	1070	659
20	277	632	726	876	1130	1610	1210	2670	1730	2390	1100	652
21	298	645	730	841	1140	1550	1260	3090	1660	2370	1110	586
22	298	833	690	1130	1200	1560	1420	3470	1640	2150	1110	585
23	268	1120	938	1470	1170	1570	1320	3030	1660	1900	1110	640
24	361	1050	1150	1710	1140	1550	772	2900	1670	1920	1050	967
25	384	1180	1140	2040	1340	1580	782	2910	1570	1730	1100	1200
26	384	1300	1320	2010	1930	1340	791	2910	1280	1560	941	1040
27	370	1260	1920	1680	2060	1230	794	3330	892	1550	1100	603
28	384	1290	2120	684	2050	1240	1100	3400	852	1470	1300	616
29	378	1190	2000	483	---	1240	1300	3020	822	1190	1290	624
30	378	1080	1250	465	---	1170	1350	2400	824	1090	1290	648
31	379	---	1390	448	---	1390	---	2450	---	1120	1220	---
TOTAL	9343	22003	36334	31528	31845	53990	33340	76106	47870	64025	47601	25346
MEAN	301	733	1172	1017	1137	1742	1111	2455	1596	2065	1536	845
MAX	384	1300	2120	2040	2060	2130	1420	4090	2490	6750	2870	1220
MIN	249	364	690	377	437	1170	772	667	822	835	941	585
CFSM	0.58	1.41	2.25	1.95	2.18	3.34	2.13	4.71	3.06	3.96	2.95	1.62
IN.	0.67	1.57	2.59	2.25	2.27	3.85	2.38	5.43	3.42	4.57	3.40	1.81

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2003, BY WATER YEAR (WY)

MEAN	597	734	954	1215	1414	1727	1674	1265	955	834	704	562
MAX	1852	2008	2211	2384	4651	4861	4004	2455	1596	2247	1536	871
(WY)	1990	1978	1983	1978	1990	1990	1977	2003	2003	1976	2003	1990
MIN	224	222	289	309	572	369	530	407	330	328	311	299
(WY)	1999	1999	1989	1988	2000	1988	1986	1986	1988	1988	1993	1998

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1975 - 2003	
ANNUAL TOTAL	272735		479331			
ANNUAL MEAN	747		1313		1051	
HIGHEST ANNUAL MEAN					1945	1990
LOWEST ANNUAL MEAN					399	1988
HIGHEST DAILY MEAN	2530	Jan 30	6750	Jul 17	6750	Jul 17 2003
LOWEST DAILY MEAN	151	Jun 24	249	Oct 16	122	Nov 15 1974
ANNUAL SEVEN-DAY MINIMUM	205	Jun 19	270	Oct 1	172	Nov 27 1998
MAXIMUM PEAK FLOW			8450	Jul 17	8450	Jul 17 2003
MAXIMUM PEAK STAGE			19.10	Jul 17	19.10	Jul 17 2003
ANNUAL RUNOFF (CFSM)	1.43		2.52		2.02	
ANNUAL RUNOFF (INCHES)	19.47		34.22		27.41	
10 PERCENT EXCEEDS	1300		2390		2090	
50 PERCENT EXCEEDS	635		1180		794	
90 PERCENT EXCEEDS	282		396		316	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02382500 COOSAWATTEE RIVER AT CARTERS, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 343613 LONGITUDE 0844144 NAD27 DRAINAGE AREA 521 CONTRIBUTING DRAINAGE AREA 521* DATUM 650.67 NGVD29

APPROVED

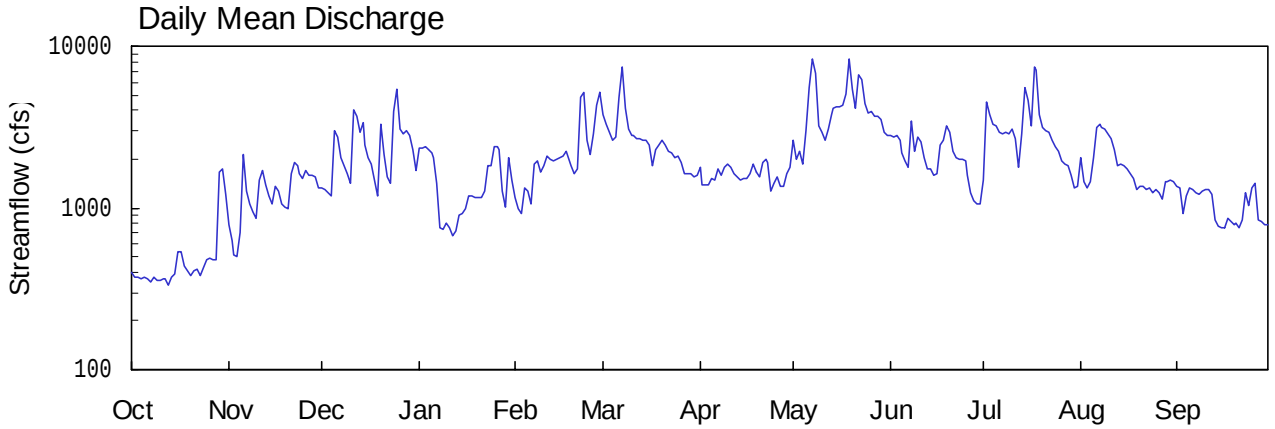
Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

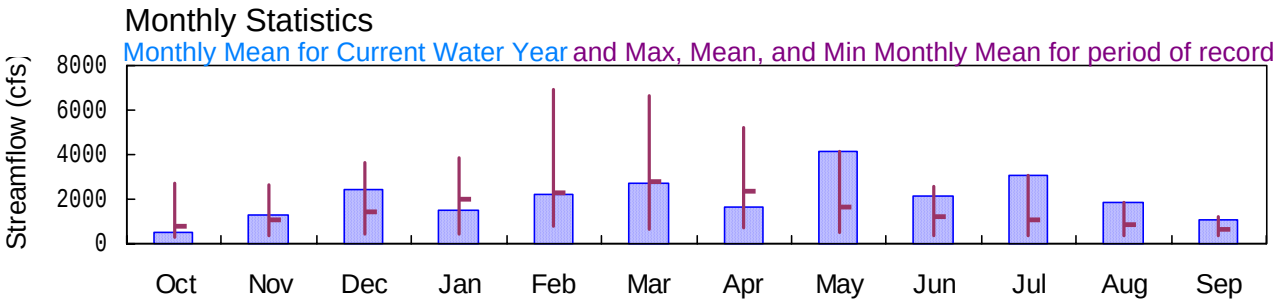
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.90	4.31	5.75	6.75	4.44	7.30	6.02	6.15	7.96	5.34	5.82	5.96
2	3.92	4.30	5.67	6.83	4.44	7.46	5.69	6.18	8.15	6.33	5.70	5.56
3	3.95	4.24	5.50	6.86	4.44	7.47	5.73	6.04	7.99	7.61	5.63	5.21
4	3.97	4.28	5.45	6.82	4.48	6.95	5.76	6.07	7.49	8.15	5.73	5.62
5	3.98	4.34	5.49	6.72	4.48	7.51	5.72	6.08	6.85	8.25	7.63	5.77
6	3.97	4.39	5.80	6.32	4.44	7.38	5.65	6.08	6.35	8.06	8.43	5.76
7	3.95	4.66	6.06	5.05	4.75	7.29	5.60	5.50	6.04	8.05	8.73	5.72
8	3.96	4.90	6.05	4.41	5.40	7.31	5.66	5.01	6.09	8.16	8.77	5.72
9	3.96	4.88	5.70	4.36	5.35	7.27	5.72	5.01	7.51	8.04	8.58	5.81
10	4.00	4.87	5.44	4.39	5.86	7.37	5.69	5.01	7.91	7.56	8.40	5.84
11	3.98	4.89	5.77	4.28	6.17	7.44	5.66	5.00	7.37	6.31	7.77	5.84
12	3.96	4.94	6.15	4.34	6.19	7.43	5.68	7.15	6.46	5.70	6.75	5.47
13	3.95	4.99	6.22	4.63	6.27	7.53	5.77	10.10	6.05	5.69	6.47	4.98
14	4.09	4.98	6.09	4.86	6.35	7.51	5.76	10.74	5.95	5.97	6.62	4.93
15	4.08	4.96	6.06	4.92	6.32	7.38	5.97	10.73	5.93	7.41	6.50	4.91
16	3.92	4.95	6.10	5.21	6.42	6.96	5.84	10.88	6.44	8.82	6.36	4.95
17	3.95	4.84	5.87	5.36	6.42	6.17	6.05	10.90	6.72	15.88	6.24	5.17
18	3.96	4.89	5.33	5.39	6.30	6.65	6.09	10.90	6.72	9.51	5.94	5.04
19	3.97	4.96	5.14	5.33	5.98	6.75	6.03	9.48	6.81	8.29	5.72	5.02
20	4.01	4.92	5.14	5.41	5.81	6.66	5.93	8.43	6.87	7.99	5.77	5.01
21	4.06	4.95	5.15	5.35	5.82	6.54	6.02	9.15	6.74	7.97	5.78	4.88
22	4.06	5.30	5.06	5.84	5.92	6.57	6.32	9.79	6.70	7.57	5.78	4.88
23	4.00	5.79	5.49	6.41	5.87	6.58	6.14	9.05	6.75	7.15	5.78	4.99
24	4.24	5.69	5.84	6.82	5.83	6.54	5.23	8.83	6.76	7.18	5.69	5.54
25	4.30	5.89	5.83	7.38	6.15	6.60	5.25	8.84	6.58	6.86	5.77	5.92
26	4.30	6.08	6.14	7.33	7.19	6.18	5.27	8.85	6.05	6.57	5.51	5.65
27	4.26	6.02	7.18	6.77	7.41	5.96	5.27	9.55	5.43	6.55	5.76	4.92
28	4.30	6.08	7.53	5.01	7.40	5.97	5.75	9.66	5.37	6.41	6.09	4.94
29	4.28	5.90	7.32	4.56	---	5.98	6.08	9.03	5.32	5.92	6.06	4.96
30	4.28	5.74	6.04	4.51	---	5.87	6.18	8.01	5.32	5.75	6.06	5.00
31	4.28	---	6.29	4.47	---	6.26	---	8.10	---	5.80	5.95	---
MEAN	4.06	5.06	5.89	5.57	5.78	6.87	5.78	8.07	6.62	7.45	6.51	5.33

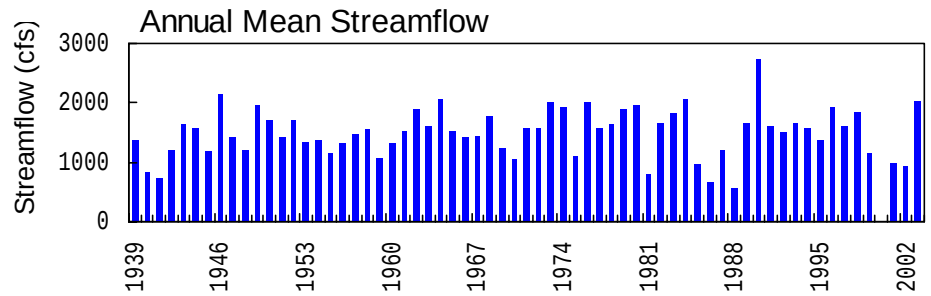
2003 Water Year

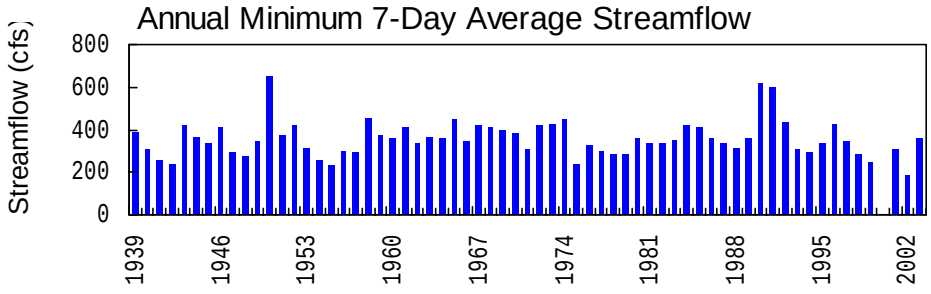
02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA

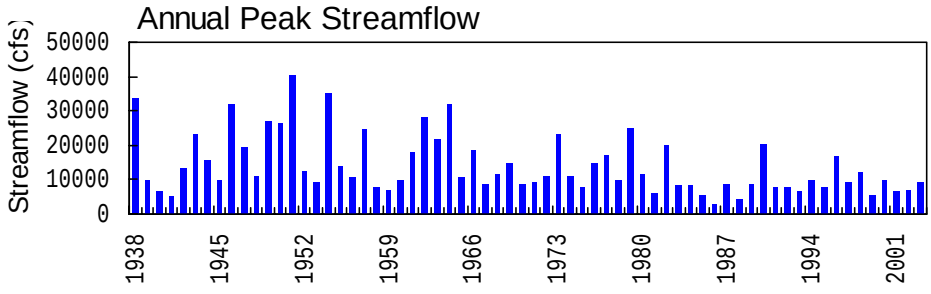
Latitude: 34°33'51" Longitude: 084°49'59" Hydrologic Unit Code: 03150102 Gordon County
Drainage Area: 831.0 mi^2 Datum: 616.1 feet











MOBILE RIVER BASIN
2003 Water Year

02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA

LOCATION.—Lat 34°33'51", long 84°49'59" referenced to North American Datum (NAD) of 1983, Gordon County, Hydrologic Unit 03150102, on the downstream side of right bank pier of Owens Bridge on Owens Gin Road, 1.4 miles downstream from Sallacoa Creek, 8.7 miles upstream from confluence with Conasauga River, and 2.4 miles east of Pine Chapel.

DRAINAGE AREA.—831 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1938 to current year. Prior to October 1976, published as Coosawattee River at Pine Chapel, GA. Monthly discharge only for October to November 1938, published in WSP 1304.

REVISED RECORDS.—WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 616.16 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Since October 1, 1976, auxiliary water-stage recorder at highway bridge 2.2 miles downstream. Prior to February 23, 1940, a non-recording gage was located at current auxiliary gage site and same datum. From February 23, 1940, to April 8, 1975, a water-stage recorder was located at current auxiliary gage site and same datum. From February 23, 1940, to April 8, 1975, an auxiliary water-stage recorder was located at current gage site. From April 9, 1975, to September 30, 1976, a water-stage recorder on Oostanaula River at Resaca used as auxiliary gage, due to bridge construction.

REMARKS.—Records good, except for periods of estimated discharge, which are poor. Flow regulated by Carters Lake and Carters Re-regulation Dam. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood of April 8, 1938, reached a stage of 30.0 feet from gage reading at current auxiliary gage discharge 34,000 cfs.

02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1938 to current year. Prior to October 1976, published as Coosawattee River at Pine Chapel, GA.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 616.16 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Since October 1, 1976, auxiliary water-stage recorder at highway bridge 2.2 miles downstream. Prior to February 23, 1940, a non-recording gage was located at current auxiliary gage site and same datum. From February 23, 1940, to April 8, 1975, a water-stage recorder was located at current auxiliary gage site and same datum. From February 23, 1940, to April 8, 1975, an auxiliary water-stage recorder was located at current gage site. From April 9, 1975, to September 30, 1976, a water-stage recorder on Oostanaula River at Resaca used as auxiliary gage, due to bridge construction.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 24.23 feet, May 7; minimum gage-height recorded, 3.86 feet, October 13, 14.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 14, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 129
LATITUDE 343351 LONGITUDE 0844959 NAD83 DRAINAGE AREA 831.00 CONTRIBUTING DRAINAGE AREA 831.00* DATUM 616.16 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	403	790	1320	2330	1160	3790	1790	2630	2810	1470	2020	1360
2	e376	632	1300	2340	995	3260	1380	1990	2740	4480	1460	1330
3	e371	510	1230	2390	922	2930	1380	2220	2830	3730	1330	919
4	e361	505	1180	2290	1320	2600	1400	1860	2640	3270	1470	1170
5	e371	707	3040	2190	1260	2730	1520	3010	2200	3230	2030	1330
6	e364	e2160	2760	2040	1070	4810	1490	5600	1940	2940	3150	1300
7	e352	1280	2020	1420	1880	7390	1720	8380	1780	2900	3290	1250
8	e369	1070	1820	761	1950	4140	1610	6730	3410	2920	3150	1230
9	e355	944	1620	742	1670	3060	1800	e3200	2210	2840	3040	1260
10	e354	865	1430	798	1810	2830	1860	e2950	2720	3040	2860	1310
11	e364	1480	4080	749	2080	2810	1800	e2620	2590	2670	2680	1300
12	e365	1710	3680	679	2000	e2660	1640	e3070	2060	1780	2270	1220
13	e336	1380	2940	720	1950	2650	1540	3780	1740	2880	1810	848
14	e369	1190	3370	899	2000	2650	1490	4150	1730	5590	1860	767
15	391	1050	2440	928	2040	2590	1530	4190	1580	4630	1840	751
16	e536	1360	2060	999	2090	2460	1530	4250	1650	3210	1740	760
17	535	1260	1850	1190	2220	1810	1630	e4300	2470	7450	1620	856
18	439	1060	1470	1190	2110	2310	1860	e5030	2650	7120	1520	821
19	405	1010	1200	1160	1840	2440	1670	e8270	3240	3760	1280	791
20	e381	994	3310	1170	1650	2650	1560	e5390	2930	3170	1360	804
21	412	e1640	2120	1170	1730	2430	1900	4160	2260	3030	1350	748
22	418	1890	1540	1270	e4890	2230	1980	6580	2060	2910	1300	853
23	e385	1830	1420	1800	5200	2180	1900	6200	2010	2610	1320	1230
24	e430	1610	3930	1840	2590	2060	1260	4430	2000	2390	1240	1040
25	482	1520	5450	2410	2130	2090	1420	3840	1970	2240	1310	1330
26	487	1690	3050	2380	2850	1930	1570	3910	1590	1950	1240	1410
27	476	1580	2850	2270	4330	1640	1360	3650	1250	1860	1130	846
28	480	1580	3000	1270	5160	1620	1360	3700	1110	1810	1470	834
29	1670	1540	2780	1020	---	1620	1620	3510	1060	1590	1450	782
30	1750	1310	2280	2060	---	1560	1770	2930	1060	1330	1490	792
31	1210	---	1710	1480	---	1600	---	2820	---	1350	1450	---
TOTAL	15997	38147	74250	45955	62897	83530	48340	129350	64290	96150	56530	31242
MEAN	516	1272	2395	1482	2246	2695	1611	4173	2143	3102	1824	1041
MAX	1750	2160	5450	2410	5200	7390	1980	8380	3410	7450	3290	1410
MIN	336	505	1180	679	922	1560	1260	1860	1060	1330	1130	748
CFSM	0.62	1.53	2.88	1.78	2.70	3.24	1.94	5.02	2.58	3.73	2.19	1.25
IN.	0.72	1.71	3.32	2.06	2.82	3.74	2.16	5.79	2.88	4.30	2.53	1.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2003, BY WATER YEAR (WY)

MEAN	775	1043	1416	1987	2255	2753	2372	1661	1185	1037	831	677
MAX	2717	2653	3629	3883	6921	6657	5219	4173	2558	3102	1824	1200
(WY)	1990	1978	1983	1978	1990	1990	1977	2003	1989	2003	2003	1989
MIN	296	340	409	438	806	642	688	502	353	349	365	347
(WY)	1979	1988	1988	1981	2000	1988	1986	1986	1988	1988	1993	1993

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1975 - 2003	
ANNUAL TOTAL	414260		746678			
ANNUAL MEAN	1135		2046		1496	
HIGHEST ANNUAL MEAN					2741	1990
LOWEST ANNUAL MEAN					562	1988
HIGHEST DAILY MEAN	6470	Jan 25	8380	May 7	17900	Apr 14 1979
LOWEST DAILY MEAN	168	Aug 5	336	Oct 13	168	Aug 5 2002
ANNUAL SEVEN-DAY MINIMUM	184	Aug 8	356	Oct 7	184	Aug 8 2002
MAXIMUM PEAK FLOW			9240	May 7	24900	Mar 4 1979
MAXIMUM PEAK STAGE			24.23	May 7	30.07	Mar 4 1979
ANNUAL RUNOFF (CFSM)	1.37		2.46		1.80	
ANNUAL RUNOFF (INCHES)	18.54		33.43		24.45	
10 PERCENT EXCEEDS	2730		3690		3200	
50 PERCENT EXCEEDS	919		1740		1050	
90 PERCENT EXCEEDS	355		749		391	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 129
LATITUDE 343351 LONGITUDE 0844959 NAD83 DRAINAGE AREA 831.00 CONTRIBUTING DRAINAGE AREA 831.00* DATUM 616.16 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.11	5.42	7.02	9.26	6.29	13.52	7.91	9.97	10.40	7.07	8.55	6.83
2	4.04	5.06	6.95	9.30	5.86	11.66	6.87	8.43	10.24	14.53	7.87	6.75
3	4.02	4.81	6.79	9.40	5.67	10.67	6.88	8.98	10.45	13.62	7.77	5.66
4	3.99	4.83	6.65	9.16	6.72	9.91	6.93	8.10	10.0	12.71	7.13	6.33
5	4.02	5.38	10.99	8.92	6.56	10.21	7.23	10.77	8.95	11.72	8.48	6.74
6	4.00	---	10.42	8.56	6.05	14.90	7.14	17.22	8.30	10.69	11.18	6.66
7	3.97	6.89	8.72	6.98	8.16	20.57	7.75	22.68	7.89	10.61	11.51	6.54
8	4.02	6.36	8.23	5.24	8.32	13.56	7.46	21.57	11.76	10.64	11.18	6.47
9	3.98	6.03	7.75	5.18	7.63	10.97	7.94	18.02	8.96	10.47	10.93	6.57
10	3.97	5.82	7.26	5.33	7.96	10.44	8.13	17.69	10.19	10.92	10.52	6.68
11	4.00	7.36	13.31	5.20	8.65	10.40	7.98	16.14	9.87	10.10	10.08	6.66
12	4.01	7.97	12.49	5.01	8.46	---	7.54	12.42	8.59	8.00	9.11	6.46
13	3.92	7.16	10.81	5.12	8.31	10.03	7.28	12.62	7.80	10.52	7.97	5.47
14	4.02	6.66	11.78	5.61	8.45	10.01	7.16	13.46	7.77	16.66	8.10	5.25
15	4.08	6.31	9.74	5.68	8.54	9.89	7.25	13.55	7.38	14.76	8.04	5.21
16	---	7.11	8.81	5.87	8.66	9.57	7.26	13.68	7.55	11.34	7.78	5.23
17	4.49	6.86	8.30	6.38	9.00	7.97	7.51	---	9.59	20.67	7.49	5.49
18	4.22	6.34	7.38	6.37	8.72	9.21	8.09	---	10.01	19.95	7.24	5.40
19	4.12	6.20	6.69	6.30	8.05	9.52	7.61	---	11.55	12.57	6.62	5.32
20	4.04	6.16	11.69	6.32	7.56	10.02	7.32	---	10.91	11.23	6.82	5.35
21	4.14	---	9.19	6.33	7.76	9.51	8.19	13.50	9.09	10.91	6.78	5.20
22	4.16	8.40	7.57	6.58	---	9.02	8.39	18.87	8.60	10.64	6.65	5.48
23	4.02	8.25	7.26	7.96	16.70	8.90	8.21	19.14	8.48	9.92	6.71	6.47
24	4.17	7.73	12.96	8.05	12.35	8.60	6.57	17.03	8.46	9.40	6.50	5.98
25	4.34	7.51	16.58	9.46	11.32	8.68	6.96	16.42	8.37	9.05	6.69	6.75
26	4.35	7.92	12.28	9.38	11.15	8.26	7.36	14.57	7.40	8.31	6.50	6.94
27	4.32	7.64	10.88	9.12	13.85	7.53	6.82	12.32	6.53	8.10	6.23	5.46
28	4.33	7.66	10.83	6.58	15.85	7.48	6.81	12.44	6.17	7.98	7.10	5.43
29	7.60	7.56	10.32	5.90	---	7.48	7.48	12.00	6.02	7.41	7.06	5.29
30	7.82	7.00	9.13	8.61	---	7.34	7.86	10.66	6.03	6.74	7.15	5.32
31	6.47	---	7.70	7.12	---	7.43	---	10.42	---	6.80	7.04	---
MEAN	---	---	9.56	7.11	---	---	7.46	---	8.78	11.10	8.03	5.98

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 129
LATITUDE 343351 LONGITUDE 0844959 NAD83 DRAINAGE AREA 831.00 CONTRIBUTING DRAINAGE AREA 831.00* DATUM 616.16 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.04	0.00	1.15	0.05	0.00
2	0.00	0.00	0.01	0.09	0.00	0.00	0.00	0.22	0.00	0.04	0.10	0.00
3	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.01	0.11	0.00	0.15	0.55
4	0.29	0.10	0.57	0.00	0.27	0.00	0.00	0.00	0.00	0.02	0.00	0.10
5	0.01	1.68	0.17	0.00	0.00	0.17	0.18	0.89	0.00	0.01	0.17	0.00
6	0.04	0.02	0.00	0.00	0.30	0.45	0.00	0.50	0.16	0.21	0.17	0.00
7	0.12	0.00	0.00	0.00	0.03	0.00	0.34	0.71	0.59	0.10	0.00	0.08
8	0.00	0.00	0.00	0.00	0.01	0.00	0.06	0.00	0.01	0.00	0.00	0.00
9	0.00	0.00	0.00	0.11	0.02	0.00	0.21	0.00	0.00	0.00	0.00	0.00
10	0.21	0.11	0.73	0.01	0.09	0.00	0.08	0.00	0.01	0.18	0.00	0.00
11	0.12	1.13	0.03	0.00	0.00	0.00	0.00	0.22	0.03	0.08	0.00	0.00
12	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.37	0.00	0.00
13	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.09	0.13	0.01	0.00
14	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.05	0.00	0.00	0.04	0.05
15	1.42	0.41	0.00	0.00	0.00	0.04	0.00	0.25	0.00	0.00	0.00	0.00
16	0.01	0.04	0.00	0.02	0.15	0.00	0.00	0.00	0.02	0.52	0.07	0.00
17	0.00	0.00	0.00	0.01	0.00	0.22	0.31	---	0.38	0.00	0.06	0.00
18	0.00	0.00	0.00	0.00	0.00	0.03	0.00	---	0.14	0.00	0.01	0.00
19	0.00	0.04	0.64	0.00	0.00	0.20	0.00	---	0.53	0.02	0.02	0.00
20	0.16	0.19	0.00	0.00	0.01	0.10	0.00	---	0.00	0.00	0.07	0.00
21	0.01	0.23	0.00	0.11	0.47	0.00	0.31	0.49	0.00	0.05	0.00	0.01
22	0.00	0.00	0.02	0.00	0.79	0.00	0.00	0.96	0.00	0.32	0.00	1.04
23	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.85	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00
25	0.04	0.00	0.00	0.00	0.01	0.00	0.17	0.06	0.00	0.00	0.00	0.00
26	0.00	0.04	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.14
28	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00
29	0.72	0.00	0.00	0.59	---	0.02	0.00	0.00	0.00	0.00	0.00	0.00
30	0.25	0.00	0.00	0.02	---	0.02	0.62	0.00	0.17	0.00	0.00	0.00
31	0.00	---	0.05	0.00	---	0.00	---	0.00	---	0.26	0.00	---
TOTAL	3.95	4.75	3.48	1.01	---	1.25	2.51	---	2.31	3.53	0.92	1.97

MOBILE RIVER BASIN
2003 Water Year

02383520 COOSAWATTEE RIVER AT PINE CHAPEL, GA

LOCATION.—Lat 34°34'35", long 84°51'37" referenced to North American Datum (NAD) of 1927, Gordon County, Hydrologic Unit 03150102, 1.6 miles downstream from Sallacoa Creek, 8.5 miles upstream from confluence with Conasauga River, located on downstream side of bridge on Pine Chapel Road, 2.4 miles east of Pine Chapel.

DRAINAGE AREA.—847 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER–STAGE RECORDS

PERIOD OF RECORD.—October 1938 to current year.

GAGE.—Water-stage recorder. Gage records water levels above approximately 1.10 feet. Datum of gage 616.16 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records fair. Station is auxiliary gage for 02383500 Coosawattee River near Pine Chapel. Stages below 1.11 feet were not recorded.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 21.28 feet, May 7.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02383520 COOSAWATTEE RIVER AT PINE CHAPEL, GA SOURCE AGENCY USGS STATE 13 COUNTY 129
LATITUDE 343435 LONGITUDE 0845137 NAD27 DRAINAGE AREA 847.00* CONTRIBUTING DRAINAGE AREA DATUM 616.16 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.22	2.52	4.01	6.27	3.46	11.56	5.02	7.07	7.35	4.19	5.72	3.89
2	---	2.16	3.95	6.31	3.01	9.21	3.98	5.53	7.16	12.18	6.26	3.84
3	---	1.92	3.68	6.42	2.81	7.73	3.98	6.10	7.38	11.79	6.35	2.78
4	---	1.93	3.48	6.19	3.83	6.94	4.03	5.19	6.97	10.99	4.55	3.39
5	---	2.42	7.87	5.96	3.77	7.14	4.32	7.86	5.97	9.33	5.43	3.81
6	---	---	7.73	5.63	3.19	11.52	4.31	14.95	5.36	7.68	8.16	3.73
7	---	4.03	5.86	4.15	5.32	17.43	4.95	19.80	4.92	7.57	8.63	3.62
8	---	3.42	5.27	2.40	5.56	11.00	4.70	19.72	8.83	7.58	8.21	3.55
9	---	3.09	4.82	2.32	4.78	8.00	5.15	17.47	5.89	7.41	7.87	3.64
10	---	2.88	4.29	2.46	5.00	7.43	5.55	17.40	7.13	7.85	7.45	3.75
11	---	4.33	10.28	2.36	5.72	7.37	5.44	15.81	6.84	7.48	7.06	3.73
12	---	5.07	9.90	2.15	5.51	---	4.89	11.38	5.62	5.57	6.14	3.56
13	---	4.28	7.96	2.24	5.35	6.98	4.45	9.73	4.79	7.44	5.01	2.61
14	---	3.68	9.17	2.73	5.49	6.97	4.29	10.34	4.77	13.51	5.12	2.36
15	1.18	3.37	7.19	2.80	5.61	6.85	4.34	10.43	4.39	12.33	5.08	2.31
16	---	4.25	5.96	2.97	5.81	6.56	4.38	10.55	4.49	8.46	4.82	2.33
17	1.63	4.06	5.41	3.47	6.17	5.05	4.58	---	6.44	16.71	4.53	2.57
18	1.33	3.39	4.51	3.47	5.84	6.21	5.19	16.33	6.99	16.77	4.34	2.52
19	1.23	3.25	3.80	3.40	5.17	6.55	4.72	19.03	9.09	9.61	3.71	2.42
20	---	3.18	9.10	3.40	4.65	7.12	4.44	---	8.57	8.14	3.87	2.45
21	1.25	---	6.95	3.43	4.86	6.67	5.28	10.71	6.21	7.82	3.85	2.31
22	1.26	5.51	4.90	3.62	---	6.07	5.60	16.17	5.63	7.58	3.72	2.63
23	---	5.27	4.35	4.97	14.62	5.92	5.35	17.05	5.50	6.91	3.77	3.66
24	---	4.74	10.03	5.05	11.19	5.63	3.76	15.66	5.47	6.39	3.58	3.06
25	1.44	4.48	14.09	6.40	10.30	5.69	4.10	15.28	5.39	6.06	3.74	3.79
26	1.46	4.88	10.64	6.34	9.00	5.33	4.50	12.84	4.47	5.33	3.60	4.02
27	1.43	4.62	8.57	6.14	11.01	4.60	3.98	9.39	3.65	5.11	3.27	2.62
28	1.42	4.62	7.87	3.78	13.33	4.54	3.90	9.34	3.26	5.01	4.13	2.56
29	4.42	4.54	7.34	3.02	---	4.54	4.57	8.93	3.12	4.48	4.11	2.41
30	4.86	4.01	6.27	5.81	---	4.42	4.87	7.63	3.14	3.79	4.19	2.42
31	3.71	---	4.72	4.40	---	4.47	---	7.35	---	3.85	4.11	---
MEAN	---	---	6.77	4.20	---	---	4.62	---	5.83	8.22	5.17	3.08
MAX	---	---	14.09	6.42	---	---	5.60	---	9.09	16.77	8.63	4.02
MIN	---	---	3.48	2.15	---	---	3.76	---	3.12	3.79	3.27	2.31

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02384540 MILL CREEK NEAR CRANDALL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 345219 LONGITUDE 0844317 NAD27 DRAINAGE AREA 8.27 CONTRIBUTING DRAINAGE AREA 8.27* DATUM 888.98 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

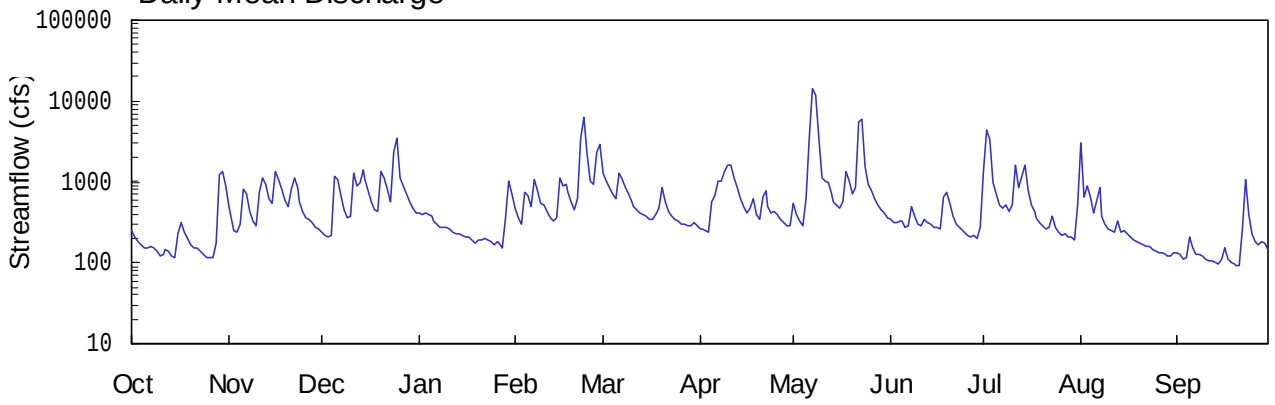
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.62	1.83	1.61	1.77	1.84	2.19	1.52	1.53	1.51	2.08	1.66	1.32
2	1.55	1.73	1.58	1.74	1.77	2.03	1.51	1.51	1.49	3.03	1.49	1.28
3	1.49	1.67	1.57	1.80	1.81	1.91	1.50	1.49	1.49	2.33	1.56	1.28
4	1.47	1.67	1.63	1.80	2.07	1.83	1.49	1.46	1.58	1.96	1.46	1.53
5	1.47	1.71	2.18	1.78	2.03	1.78	1.63	1.71	1.49	1.82	1.52	1.40
6	1.41	1.98	2.06	1.74	2.05	1.99	1.59	3.13	1.46	1.79	1.84	1.33
7	1.47	1.92	1.89	1.70	2.30	1.94	2.04	3.68	1.63	1.77	1.91	1.33
8	1.42	1.81	1.80	1.69	2.16	1.87	2.01	2.55	1.71	1.72	1.70	1.33
9	1.39	1.74	1.74	1.67	2.04	1.81	2.49	2.14	1.58	1.65	1.59	1.29
10	1.37	1.71	1.77	1.72	1.96	1.75	2.51	1.93	1.53	2.02	1.60	1.27
11	1.42	1.96	2.19	1.66	1.79	1.71	2.43	1.93	1.58	2.50	1.68	1.26
12	1.39	2.07	2.07	1.63	1.75	1.68	2.15	1.83	1.58	2.06	1.63	1.25
13	1.38	2.01	2.15	1.63	1.72	1.66	1.95	1.76	1.53	1.88	1.58	1.24
14	1.36	1.89	2.33	1.62	1.76	1.64	1.83	1.70	1.50	1.76	1.56	1.30
15	1.45	1.89	2.11	1.60	1.97	1.61	1.75	1.64	1.48	1.68	1.55	1.51
16	1.76	2.33	1.96	1.60	2.00	1.60	1.70	1.60	1.46	1.64	1.51	1.32
17	1.70	2.25	1.85	1.59	2.01	1.61	1.70	1.62	1.52	1.59	1.48	1.27
18	1.61	2.03	1.78	---	1.95	1.61	1.67	1.78	2.01	1.55	1.45	1.25
19	1.56	1.92	1.78	---	1.88	1.67	1.62	1.86	2.14	1.52	1.46	1.24
20	1.52	1.85	2.38	1.54	1.84	1.73	1.59	1.79	1.82	1.49	1.43	1.23
21	1.50	2.40	2.13	1.56	1.86	1.77	1.83	1.94	1.67	1.47	1.39	1.22
22	1.46	2.34	1.97	1.57	3.13	1.73	1.87	3.23	1.59	1.49	1.38	1.75
23	1.43	2.06	1.87	---	2.52	1.69	1.77	2.42	1.53	1.47	1.36	1.88
24	1.41	1.90	2.52	---	2.17	1.65	1.73	2.05	1.48	1.43	1.34	1.60
25	1.40	1.80	2.43	1.66	1.99	1.62	1.71	1.87	1.44	1.40	1.33	1.50
26	1.39	1.74	2.15	1.56	1.96	1.60	1.66	1.77	1.42	1.39	1.32	1.44
27	1.38	1.72	2.00	---	2.62	1.58	1.62	1.69	1.44	1.38	1.30	1.46
28	1.56	1.67	1.90	1.50	2.51	1.56	1.58	1.64	1.41	1.38	1.30	1.47
29	1.80	1.65	1.82	1.81	---	1.59	1.56	1.60	1.38	1.37	1.28	1.40
30	2.19	1.63	1.76	2.13	---	1.56	1.54	1.57	1.70	1.35	1.36	1.37
31	2.00	---	1.73	1.95	---	1.53	---	1.54	---	1.47	1.38	---
MEAN	1.53	1.90	1.96	---	2.05	1.73	1.78	1.93	1.57	1.72	1.50	1.38
MAX	2.19	2.40	2.52	---	3.13	2.19	2.51	3.68	2.14	3.03	1.91	1.88
MIN	1.36	1.63	1.57	---	1.72	1.53	1.49	1.46	1.38	1.35	1.28	1.22

2003 Water Year

02384500 CONASAUGA RIVER NEAR ETON, GA

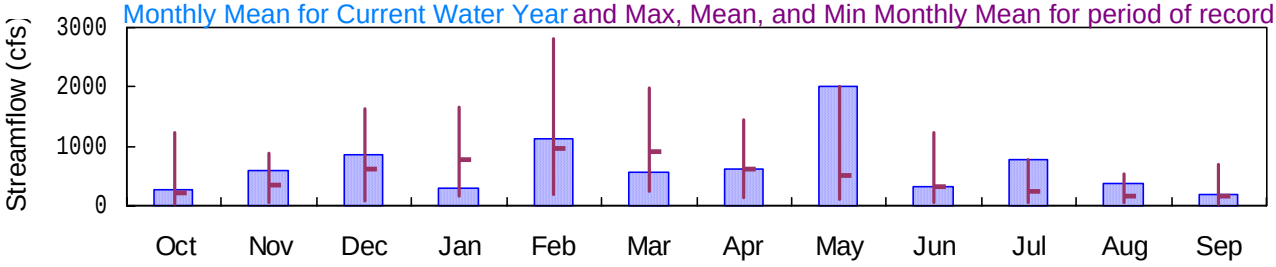
Latitude: 34°49'40" Longitude: 084°51'03" Hydrologic Unit Code: 03150101 Murray County
Drainage Area: 252 mi² Datum: 672.6 feet

Daily Mean Discharge

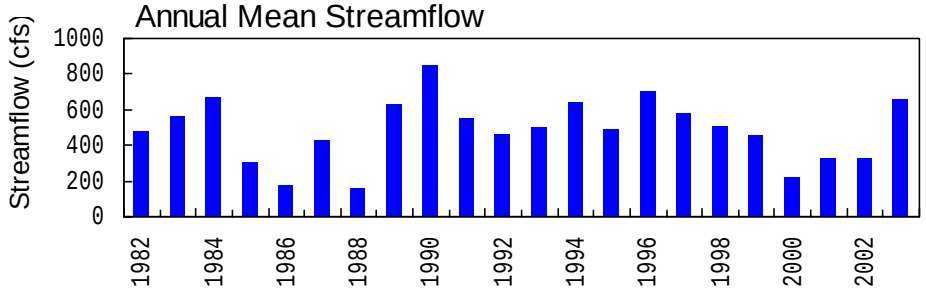


Monthly Statistics

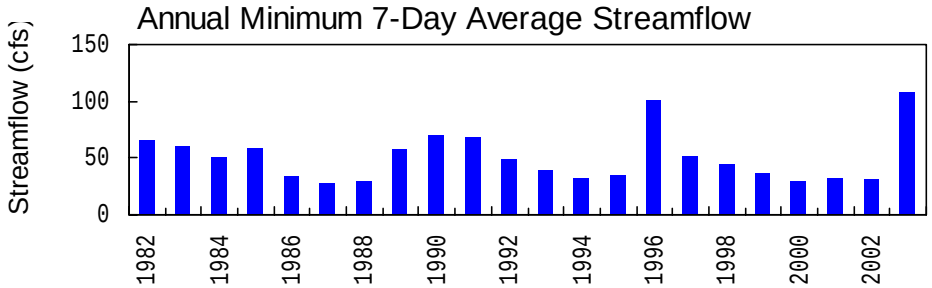
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



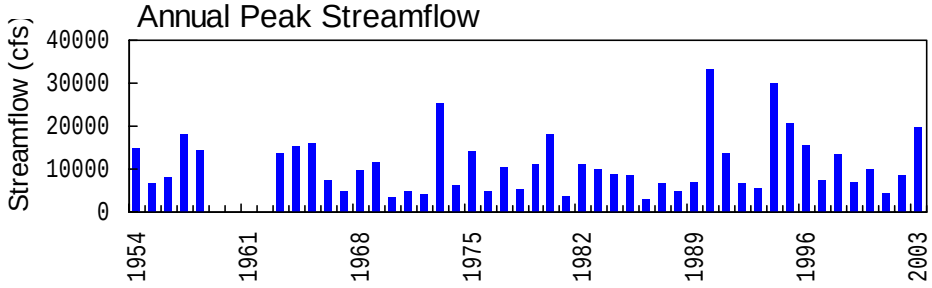
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



MOBILE RIVER BASIN
2003 Water Year

02384500 CONASAUGA RIVER NEAR ETON, GA

LOCATION.—Lat 34°49'40", long 84°51'03" referenced to North American Datum (NAD) of 1927, Murray-Whitfield County line, Hydrologic Unit 03150101, at downstream side of right bank pier of bridge on GA 286, 3.4 miles upstream from Mill Creek, 5.2 miles west of Eton, and at mile 42.7.

DRAINAGE AREA.—252 square miles.

COOPERATION.—Dalton Utilities.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—Water years 1954-58, 1963-81 (annual maximum), October 1981 to current year.

REVISED RECORDS.—WDR GA-94-1: 1973 (M), 1990 (M).

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 672.64 feet above National Geodetic Vertical Datum (NGVD) of 1929. From June 26, 1953, to September 30, 1958, and August 16, 1962 to September 30, 1981, a crest-stage gage was located at a site 75.0 feet downstream at datum 3.00 feet higher.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Flow regulated by withdrawal and discharge from off-stream reservoir owned and operated by Dalton Utilities approximately 4.5 miles upstream of gage.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than a base discharge of 3,800 cfs, and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
12/25	0615	4,270	11.56
02/23	1045	6,910	13.71
05/08	0030	19,700*	18.83*
05/22	2245	7,370	14.01
07/03	0215	4,760	12.03
08/01	0330	4,740	12.01

02384500 CONASAUGA RIVER NEAR ETON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—Water years 1954-58, 1963-81 (annual maximum), October 1981 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 672.64 feet above National Geodetic Vertical Datum (NGVD) of 1929. From June 26, 1953, to September 30, 1958, and August 16, 1962 to September 30, 1981, a crest-stage gage was located at a site 75.0 feet downstream at datum 3.00 feet higher.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 18.83 feet, May 8; minimum gage-height recorded, 2.77 feet, September 21.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 30, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02384500 CONASAUGA RIVER NEAR ETON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 344940 LONGITUDE 0845103 NAD27 DRAINAGE AREA 252 CONTRIBUTING DRAINAGE AREA 252* DATUM 672.64 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	250	485	236	413	468	1290	264	536	341	1350	3000	131
2	214	318	217	396	356	1040	256	398	317	4300	642	124
3	186	256	208	413	305	863	247	332	313	3370	876	112
4	165	241	221	403	753	706	243	292	330	986	638	115
5	154	306	1150	369	674	609	572	631	329	699	410	209
6	150	809	1060	332	499	1280	688	3550	280	511	582	149
7	158	711	665	297	1070	1070	1030	13900	290	470	858	126
8	154	438	458	276	781	843	1020	12100	490	528	372	127
9	138	328	362	269	546	697	1350	3450	379	428	296	123
10	122	287	379	279	509	574	1600	1110	307	509	260	112
11	129	746	1280	268	440	492	1620	1040	282	1590	252	107
12	142	1120	911	241	360	445	1130	969	344	868	243	104
13	137	949	984	231	327	420	844	697	314	1170	328	101
14	120	623	1390	226	366	396	619	568	295	1600	236	98
15	116	542	1060	219	1110	369	493	513	280	775	245	112
16	226	1330	787	209	894	350	422	466	269	529	225	152
17	311	1080	575	210	939	350	472	561	267	429	208	110
18	240	821	447	194	737	389	632	1330	641	354	193	100
19	198	590	428	177	555	473	402	1030	759	314	182	96
20	169	490	1370	187	462	872	345	717	530	287	171	93
21	155	816	1140	193	626	555	657	871	369	264	170	91
22	152	1120	803	203	3440	432	769	5540	303	277	159	261
23	138	842	574	192	6220	380	505	5960	270	385	158	1060
24	e128	577	2330	181	2200	346	415	1520	246	272	146	388
25	118	438	3430	167	1040	323	439	950	229	236	139	230
26	115	363	1140	180	937	307	398	771	217	218	135	182
27	117	347	885	174	2360	297	341	610	214	226	130	163
28	173	312	699	155	2850	287	307	507	216	210	126	179
29	1220	279	559	362	---	285	288	447	203	206	123	173
30	1340	262	463	1010	---	315	289	404	275	193	120	146
31	877	---	405	715	---	285	---	368	---	528	131	---
TOTAL	8012	17826	26616	9141	31824	17340	18657	62138	9899	24082	11754	5274
MEAN	258	594	859	295	1137	559	622	2004	330	777	379	176
MAX	1340	1330	3430	1010	6220	1290	1620	13900	759	4300	3000	1060
MIN	115	241	208	155	305	285	243	292	203	193	120	91
CFSM	1.03	2.36	3.41	1.17	4.51	2.22	2.47	7.95	1.31	3.08	1.50	0.70
IN.	1.18	2.63	3.93	1.35	4.70	2.56	2.75	9.17	1.46	3.55	1.74	0.78

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2003, BY WATER YEAR (WY)

MEAN	212	354	605	790	971	923	613	516	330	241	161	153
MAX	1239	877	1643	1653	2803	1977	1438	2004	1222	777	523	699
(WY)	1990	1990	1983	1996	1990	1994	1998	2003	1989	2003	1994	1989
MIN	35.6	56.7	68.8	153	175	244	146	108	46.6	51.3	40.9	40.2
(WY)	2001	1988	2000	1986	2000	1988	1986	1986	1988	1988	2000	1987

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1982 - 2003	
ANNUAL TOTAL	155772		242563			
ANNUAL MEAN	427		665		487	
HIGHEST ANNUAL MEAN					848	1990
LOWEST ANNUAL MEAN					158	1988
HIGHEST DAILY MEAN	6260	Jan 25	13900	May 7	23000	Mar 28 1994
LOWEST DAILY MEAN	29	Sep 12	91	Sep 21	24	Jul 11 1988
ANNUAL SEVEN-DAY MINIMUM	30	Sep 8	108	Sep 15	29	Aug 30 1987
MAXIMUM PEAK FLOW			19700	May 8	30000	Mar 28 1994
MAXIMUM PEAK STAGE			18.83	May 8	20.52	Mar 28 1994
INSTANTANEOUS LOW FLOW			89	Sep 21	23	Jul 11 1988
ANNUAL RUNOFF (CFSM)	1.69		2.64		1.93	
ANNUAL RUNOFF (INCHES)	22.99		35.81		26.25	
10 PERCENT EXCEEDS	917		1130		977	
50 PERCENT EXCEEDS	236		369		240	
90 PERCENT EXCEEDS	53		141		63	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02384500 CONASAUGA RIVER NEAR ETON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 344940 LONGITUDE 0845103 NAD27 DRAINAGE AREA 252 CONTRIBUTING DRAINAGE AREA 252* DATUM 672.64 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.60	4.55	3.77	4.43	4.58	6.69	3.64	4.48	3.95	6.49	9.64	3.02
2	3.43	4.11	3.68	4.38	4.26	5.76	3.60	4.12	3.86	11.55	4.72	2.98
3	3.30	3.86	3.63	4.43	4.07	5.22	3.56	3.91	3.84	10.20	5.32	2.92
4	3.21	3.79	3.69	4.40	5.27	4.86	3.54	3.75	3.90	5.60	4.71	2.93
5	3.16	4.03	6.55	4.30	5.05	4.65	4.51	4.70	3.90	4.85	4.16	3.38
6	3.14	5.35	6.13	4.17	4.65	6.67	4.84	10.39	3.70	4.43	4.63	3.11
7	3.18	5.13	5.03	4.04	6.15	5.88	5.91	16.93	3.75	4.32	5.39	2.99
8	3.16	4.49	4.55	3.95	5.29	5.17	5.72	16.15	4.37	4.46	4.04	3.00
9	3.08	4.16	4.28	3.92	4.77	4.84	6.84	10.17	4.07	4.21	3.77	2.97
10	3.00	3.99	4.28	3.96	4.68	4.57	7.67	6.04	3.82	4.40	3.62	2.92
11	3.04	5.29	6.92	3.91	4.50	4.38	7.70	5.78	3.71	7.47	3.58	2.89
12	3.11	6.33	5.62	3.79	4.27	4.26	6.11	5.55	3.94	5.25	3.54	2.87
13	3.08	5.74	5.95	3.75	4.15	4.19	5.18	4.84	3.84	6.24	3.88	2.85
14	2.99	4.94	7.32	3.72	4.26	4.12	4.67	4.56	3.77	7.44	3.51	2.83
15	2.97	4.76	6.12	3.69	6.31	4.04	4.38	4.43	3.71	5.02	3.55	2.91
16	3.49	7.11	5.30	3.64	5.56	3.98	4.19	4.31	3.66	4.47	3.46	3.12
17	3.86	6.16	4.84	3.65	5.68	3.98	4.30	4.55	3.65	4.21	3.37	2.91
18	3.56	5.39	4.52	3.57	5.19	4.10	4.70	6.81	4.69	3.99	3.30	2.84
19	3.36	4.87	4.45	3.49	4.79	4.31	4.14	5.77	4.98	3.84	3.26	2.84
20	3.23	4.63	7.23	3.54	4.56	5.27	3.96	4.88	4.47	3.73	3.21	2.80
21	3.16	5.44	6.39	3.56	4.92	4.53	4.74	5.39	4.04	3.64	3.21	2.78
22	3.15	6.33	5.34	3.61	10.23	4.22	5.02	12.41	3.80	3.69	3.16	3.42
23	3.08	5.44	4.83	3.56	13.22	4.07	4.41	12.96	3.66	4.08	3.15	5.92
24	---	4.84	8.55	3.51	8.39	3.97	4.17	7.13	3.56	3.67	3.10	4.06
25	2.98	4.50	10.52	3.45	5.77	3.88	4.24	5.46	3.48	3.51	3.06	3.48
26	2.96	4.28	6.42	3.51	5.44	3.82	4.13	5.00	3.42	3.42	3.04	3.25
27	2.97	4.23	5.54	3.48	8.82	3.78	3.95	4.66	3.40	3.47	3.02	3.17
28	3.23	4.09	5.11	3.40	9.74	3.73	3.82	4.42	3.41	3.39	2.99	3.25
29	6.54	3.96	4.80	4.07	---	3.73	3.74	4.26	3.35	3.37	2.98	3.22
30	6.94	3.89	4.57	5.92	---	3.85	3.74	4.15	3.62	3.30	2.96	3.09
31	5.43	---	4.41	5.15	---	3.73	---	4.04	---	4.17	3.02	---
MEAN	---	4.86	5.49	3.93	5.88	4.52	4.70	6.52	3.84	4.90	3.82	3.16
MAX	---	7.11	10.52	5.92	13.22	6.69	7.70	16.93	4.98	11.55	9.64	5.92
MIN	---	3.79	3.63	3.40	4.07	3.73	3.54	3.75	3.35	3.30	2.96	2.78

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02384500 CONASAUGA RIVER NEAR ETON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 344940 LONGITUDE 0845103 NAD27 DRAINAGE AREA 252 CONTRIBUTING DRAINAGE AREA 252* DATUM 672.64 NGVD29

APPROVED

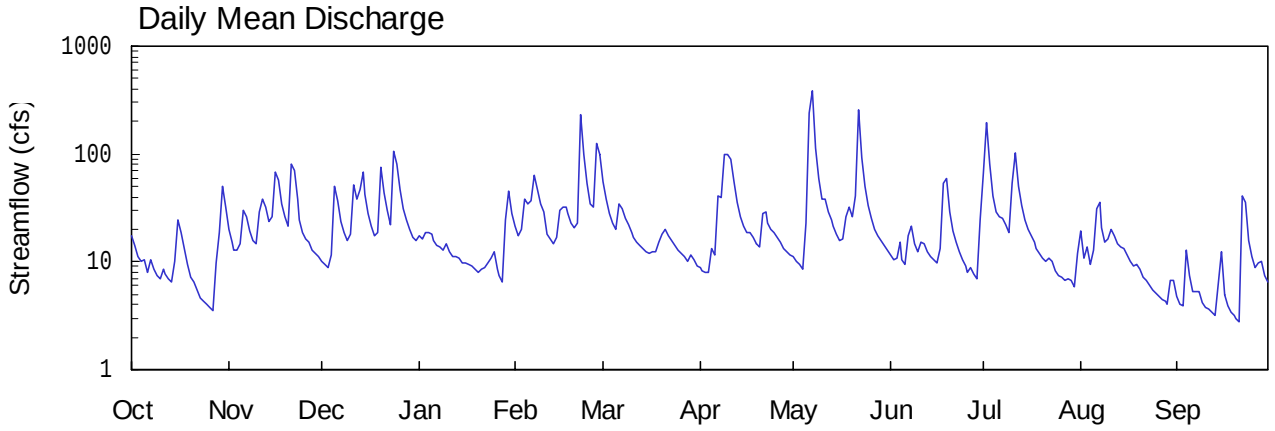
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

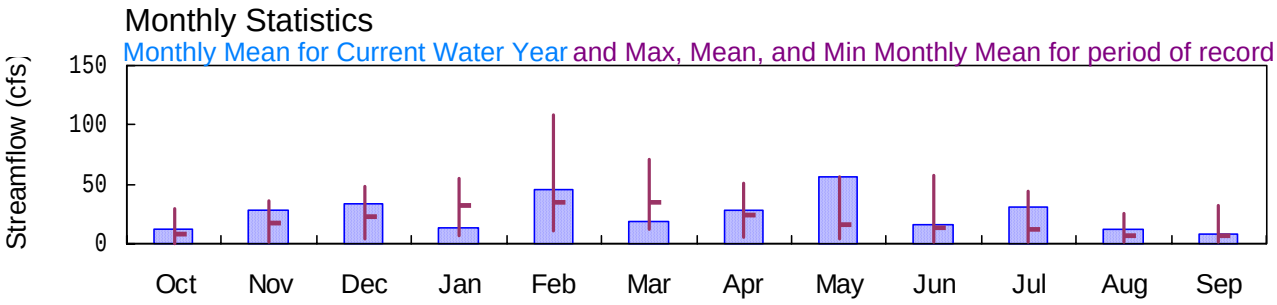
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.01	0.00	2.55	0.03	0.00
2	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.13	0.05	0.27	0.08	0.00
3	0.00	0.06	0.00	0.00	0.01	0.00	0.00	0.00	0.12	0.01	0.11	0.06
4	0.40	0.01	0.94	0.00	0.52	0.00	0.05	0.00	0.34	0.22	0.00	0.21
5	0.00	0.62	0.31	0.00	0.00	0.38	0.68	1.86	0.00	0.08	0.00	0.00
6	0.03	0.00	0.00	0.00	0.63	0.53	0.11	1.49	0.01	0.54	0.20	0.00
7	0.10	0.00	0.00	0.00	0.06	0.00	0.55	1.39	0.58	0.65	0.00	0.12
8	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.17	0.07	0.00	0.46	0.00	0.00	0.00	0.00	0.00
10	0.09	0.35	0.99	0.01	0.15	0.00	0.34	---	0.02	1.58	0.06	0.00
11	0.16	0.47	0.00	0.00	0.00	0.00	0.01	---	0.22	0.06	0.00	0.00
12	0.00	0.36	0.00	0.00	0.00	0.00	0.00	---	0.05	0.86	0.00	0.00
13	0.04	0.00	0.61	0.00	0.00	0.61	0.00	0.00	0.00	1.48	0.06	0.00
14	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.01	0.04
15	0.80	0.99	0.00	0.00	0.00	0.08	0.00	0.00	0.19	0.01	0.00	0.01
16	0.00	0.06	0.00	0.07	0.21	0.00	0.00	0.00	0.02	0.03	0.03	0.00
17	0.00	0.00	0.00	0.00	0.00	0.33	0.14	---	0.05	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.84	2.99	0.00	0.00	0.00
19	0.00	0.08	1.29	0.00	0.01	0.91	0.00	0.02	0.17	0.22	0.00	0.00
20	0.06	0.29	0.00	0.00	0.07	0.13	0.00	0.04	0.00	0.00	0.00	0.00
21	0.02	0.30	0.00	0.09	0.76	0.00	0.91	1.36	0.00	0.06	0.00	0.00
22	0.00	0.00	0.00	0.00	1.55	0.00	0.00	3.15	0.00	0.33	1.31	2.50
23	0.00	---	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
24	0.00	---	1.58	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00
25	0.01	0.01	0.00	0.00	0.01	0.00	0.16	0.00	0.00	0.00	0.00	0.00
26	0.00	0.07	0.00	0.00	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.01	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.22	0.00	0.00	0.35
28	0.89	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
29	0.95	0.00	0.00	1.21	---	0.25	0.00	0.01	0.00	0.00	0.00	0.00
30	0.07	0.00	0.00	0.00	---	0.06	0.92	0.00	1.56	0.00	0.00	0.00
31	0.00	---	0.02	0.00	---	0.00	---	0.00	---	4.24	0.12	---
TOTAL	3.63	---	5.74	1.77	6.30	3.38	5.05	---	6.59	13.19	2.02	3.30

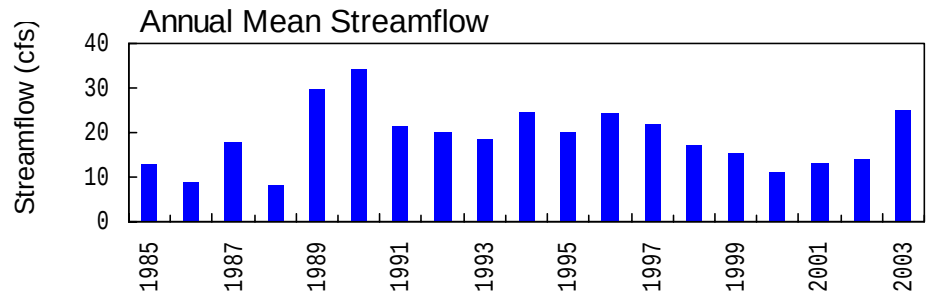
2003 Water Year

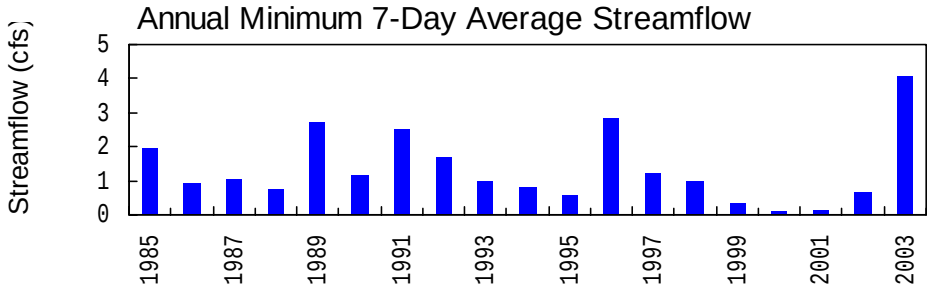
02384540 MILL CREEK NEAR CRANDALL, GA

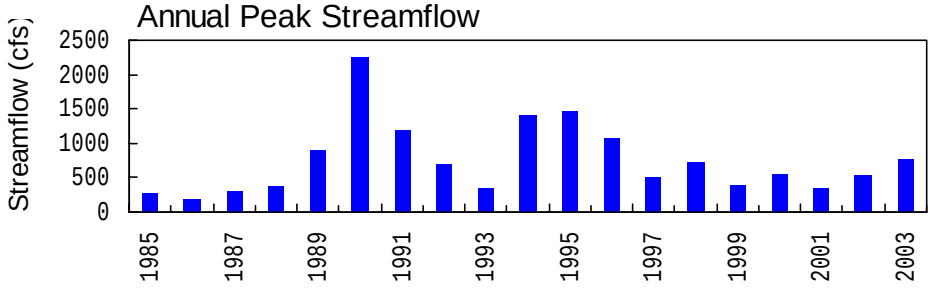
Latitude: 34°52'19" Longitude: 084°43'17" Hydrologic Unit Code: 03150101 Murray County
Drainage Area: 8.27 mi² Datum: 888.9 feet

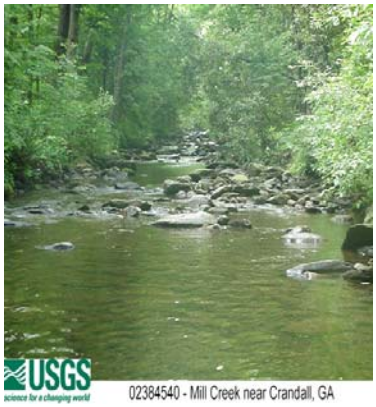












MOBILE RIVER BASIN
2003 Water Year

02384540 MILL CREEK NEAR CRANDALL, GA

LOCATION.—Lat 34°52'19", long 84°43'17" referenced to North American Datum (NAD) of 1927, Murray County, Hydrologic Unit 03150101, on right bank 100.0 feet south of Forest Service Road 630, 1.3 miles upstream from Cohorn Creek, and 1.4 miles northeast of Crandall.

DRAINAGE AREA.—8.27 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—January 1985 to current year.

GAGE.—Water-stage recorder. Datum of gage is 888.98 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good, except for those periods of estimated daily discharges, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 300 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
02/22	1015	361	3.66
05/06	1315	529	4.14
05/07	0815	770*	4.70*
05/22	0800	487	4.03

WATER-STAGE RECORDS

PERIOD OF RECORD.—January 1985 to current year.

GAGE.—Water-stage recorder. Datum of gage is 888.98 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 4.70 feet, May 7; minimum gage-height recorded, 1.21 feet, September 21, 22.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02384540 MILL CREEK NEAR CRANDALL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 345219 LONGITUDE 0844317 NAD27 DRAINAGE AREA 8.27 CONTRIBUTING DRAINAGE AREA 8.27* DATUM 888.98 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	20	10	17	21	55	8.7	11	12	65	20	4.9
2	14	15	9.3	16	17	39	8.3	10	11	196	11	4.0
3	11	13	8.8	19	20	28	8.0	9.6	11	80	14	4.0
4	10	13	11	19	38	23	7.9	8.6	15	41	9.5	13
5	10	15	50	18	34	20	13	23	11	29	13	7.4
6	8.1	30	37	16	36	35	12	243	9.5	26	32	5.3
7	10	26	24	14	64	31	41	388	18	25	36	5.2
8	8.4	19	19	14	48	26	39	112	22	22	21	5.2
9	7.3	16	16	13	35	22	98	58	15	18	15	4.1
10	6.8	14	18	15	29	19	100	38	12	54	16	3.8
11	8.6	29	51	12	18	17	90	38	15	104	20	3.6
12	7.6	39	38	11	16	15	55	30	15	50	17	3.4
13	7.0	33	47	11	15	14	36	24	12	34	15	3.2
14	6.4	24	69	11	17	13	26	21	11	25	14	6.2
15	10	26	42	9.9	30	13	21	18	10	20	13	13
16	24	68	28	9.8	32	12	19	16	9.7	18	12	5.0
17	19	58	22	9.5	32	13	19	16	13	15	10	3.9
18	13	34	18	e9.0	28	12	17	26	54	13	9.1	3.4
19	9.6	26	18	e8.4	23	15	15	32	59	12	9.6	3.2
20	7.1	21	74	7.9	21	18	14	26	29	11	8.5	3.0
21	6.6	81	44	8.5	23	20	28	41	19	10	7.2	2.8
22	5.5	70	30	8.7	230	18	29	258	15	11	6.7	40
23	4.7	38	22	e9.7	99	16	23	92	12	10	6.1	35
24	4.3	25	105	e11	53	14	20	50	10	8.4	5.5	16
25	4.0	19	82	12	35	13	19	33	9.0	7.5	5.1	11
26	3.7	16	47	8.4	33	12	17	25	8.1	7.1	4.8	8.9
27	3.6	15	32	e7.4	124	11	15	20	8.8	6.7	4.5	9.8
28	9.6	13	24	6.4	98	10	13	18	7.8	6.9	4.4	10
29	19	12	20	24	---	11	12	16	6.9	6.6	4.0	7.4
30	51	11	17	45	---	10	12	14	25	5.9	6.6	6.5
31	32	---	15	28	---	9.2	---	13	---	12	6.8	---
TOTAL	358.9	839	1048.1	429.6	1269	584.2	835.9	1728.2	485.8	950.1	377.4	252.2
MEAN	11.6	28.0	33.8	13.9	45.3	18.8	27.9	55.7	16.2	30.6	12.2	8.41
MAX	51	81	105	45	230	55	100	388	59	196	36	40
MIN	3.6	11	8.8	6.4	15	9.2	7.9	8.6	6.9	5.9	4.0	2.8
CFSM	1.40	3.38	4.09	1.68	5.48	2.28	3.37	6.74	1.96	3.71	1.47	1.02
IN.	1.61	3.77	4.71	1.93	5.71	2.63	3.76	7.77	2.19	4.27	1.70	1.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2003, BY WATER YEAR (WY)

MEAN	8.27	17.3	22.5	32.2	34.5	34.7	23.8	16.5	13.8	11.5	6.99	7.36
MAX	30.0	35.9	48.3	55.5	108	71.6	50.8	55.7	57.3	43.6	25.9	32.0
(WY)	1990	1990	1992	1996	1990	1990	1994	2003	1989	1990	1994	1989
MIN	0.34	1.52	3.95	7.30	11.0	12.5	5.91	3.48	1.49	1.75	0.67	0.95
(WY)	2001	1988	1988	1986	2000	1988	1986	1986	1988	1986	2000	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1985 - 2003	
ANNUAL TOTAL	6551.05		9158.4			
ANNUAL MEAN	17.9		25.1		19.2	
HIGHEST ANNUAL MEAN					34.3	1990
LOWEST ANNUAL MEAN					8.37	1988
HIGHEST DAILY MEAN	287	May 4	388	May 7	970	Feb 16 1990
LOWEST DAILY MEAN	0.51	Sep 13	2.8	Sep 21	0.07	Sep 18 2000
ANNUAL SEVEN-DAY MINIMUM	0.63	Sep 8	4.1	Sep 7	0.10	Sep 14 2000
MAXIMUM PEAK FLOW			770	May 7	2240	Feb 16 1990
MAXIMUM PEAK STAGE			4.70	May 7	6.96	Feb 16 1990
ANNUAL RUNOFF (CFSM)	2.17		3.03		2.33	
ANNUAL RUNOFF (INCHES)	29.47		41.20		31.62	
10 PERCENT EXCEEDS	43		50		41	
50 PERCENT EXCEEDS	9.6		15		10	
90 PERCENT EXCEEDS	1.3		6.6		1.8	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02384540 MILL CREEK NEAR CRANDALL, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 345219 LONGITUDE 0844317 NAD27 DRAINAGE AREA 8.27 CONTRIBUTING DRAINAGE AREA 8.27* DATUM 888.98 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.62	1.83	1.61	1.77	1.84	2.19	1.52	1.53	1.51	2.08	1.66	1.32
2	1.55	1.73	1.58	1.74	1.77	2.03	1.51	1.51	1.49	3.03	1.49	1.28
3	1.49	1.67	1.57	1.80	1.81	1.91	1.50	1.49	1.49	2.33	1.56	1.28
4	1.47	1.67	1.63	1.80	2.07	1.83	1.49	1.46	1.58	1.96	1.46	1.53
5	1.47	1.71	2.18	1.78	2.03	1.78	1.63	1.71	1.49	1.82	1.52	1.40
6	1.41	1.98	2.06	1.74	2.05	1.99	1.59	3.13	1.46	1.79	1.84	1.33
7	1.47	1.92	1.89	1.70	2.30	1.94	2.04	3.68	1.63	1.77	1.91	1.33
8	1.42	1.81	1.80	1.69	2.16	1.87	2.01	2.55	1.71	1.72	1.70	1.33
9	1.39	1.74	1.74	1.67	2.04	1.81	2.49	2.14	1.58	1.65	1.59	1.29
10	1.37	1.71	1.77	1.72	1.96	1.75	2.51	1.93	1.53	2.02	1.60	1.27
11	1.42	1.96	2.19	1.66	1.79	1.71	2.43	1.93	1.58	2.50	1.68	1.26
12	1.39	2.07	2.07	1.63	1.75	1.68	2.15	1.83	1.58	2.06	1.63	1.25
13	1.38	2.01	2.15	1.63	1.72	1.66	1.95	1.76	1.53	1.88	1.58	1.24
14	1.36	1.89	2.33	1.62	1.76	1.64	1.83	1.70	1.50	1.76	1.56	1.30
15	1.45	1.89	2.11	1.60	1.97	1.61	1.75	1.64	1.48	1.68	1.55	1.51
16	1.76	2.33	1.96	1.60	2.00	1.60	1.70	1.60	1.46	1.64	1.51	1.32
17	1.70	2.25	1.85	1.59	2.01	1.61	1.70	1.62	1.52	1.59	1.48	1.27
18	1.61	2.03	1.78	---	1.95	1.61	1.67	1.78	2.01	1.55	1.45	1.25
19	1.56	1.92	1.78	---	1.88	1.67	1.62	1.86	2.14	1.52	1.46	1.24
20	1.52	1.85	2.38	1.54	1.84	1.73	1.59	1.79	1.82	1.49	1.43	1.23
21	1.50	2.40	2.13	1.56	1.86	1.77	1.83	1.94	1.67	1.47	1.39	1.22
22	1.46	2.34	1.97	1.57	3.13	1.73	1.87	3.23	1.59	1.49	1.38	1.75
23	1.43	2.06	1.87	---	2.52	1.69	1.77	2.42	1.53	1.47	1.36	1.88
24	1.41	1.90	2.52	---	2.17	1.65	1.73	2.05	1.48	1.43	1.34	1.60
25	1.40	1.80	2.43	1.66	1.99	1.62	1.71	1.87	1.44	1.40	1.33	1.50
26	1.39	1.74	2.15	1.56	1.96	1.60	1.66	1.77	1.42	1.39	1.32	1.44
27	1.38	1.72	2.00	---	2.62	1.58	1.62	1.69	1.44	1.38	1.30	1.46
28	1.56	1.67	1.90	1.50	2.51	1.56	1.58	1.64	1.41	1.38	1.30	1.47
29	1.80	1.65	1.82	1.81	---	1.59	1.56	1.60	1.38	1.37	1.28	1.40
30	2.19	1.63	1.76	2.13	---	1.56	1.54	1.57	1.70	1.35	1.36	1.37
31	2.00	---	1.73	1.95	---	1.53	---	1.54	---	1.47	1.38	---
MEAN	1.53	1.90	1.96	---	2.05	1.73	1.78	1.93	1.57	1.72	1.50	1.38
MAX	2.19	2.40	2.52	---	3.13	2.19	2.51	3.68	2.14	3.03	1.91	1.88
MIN	1.36	1.63	1.57	---	1.72	1.53	1.49	1.46	1.38	1.35	1.28	1.22

MOBILE RIVER BASIN
2003 Water Year

02384600 PINHOOK CREEK NEAR ETON, GA
(published previous to 1986 as Mill Creek Tributary near Eton, GA)

LOCATION.—Lat 34°49'38", long 84°48'58" referenced to North American Datum (NAD) of 1927, Murray County, Hydrologic Unit 03150101, at culvert on GA 286, 3.0 miles west of Eton.

DRAINAGE AREA.—4.28 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1964 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 706.25 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 8.08 feet, August 1, 2003
DISCHARGE: 1,440 cfs, August 1, 2003

MAXIMUM FOR CURRENT YEAR.—
STAGE: 8.08 feet, August 1
DISCHARGE: 1,440 cfs, August 1

MOBILE RIVER BASIN
2003 Water Year

02384630 CONASAUGA RIVER NEAR DAWNVILLE, GA

LOCATION.—Lat 34°48'03", long 84°50'18" referenced to North American Datum (NAD) of 1983, Whitfield-Murray County line, Hydrologic Unit 03150101, 2.6 miles southeast of Dawnville.

DRAINAGE AREA.—303 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-STAGE RECORDS

PERIOD OF RECORD.—1984 to September 30, 2003.

GAGE.—Stage-only partial-record gage. Datum of gage is 622.96 feet above National Geodetic Vertical Datum (NGVD) of 1929. Gage was discontinued on September 30, 2003.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. The date of the maximum stage is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Information of some lower floods may have been obtained, but is not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

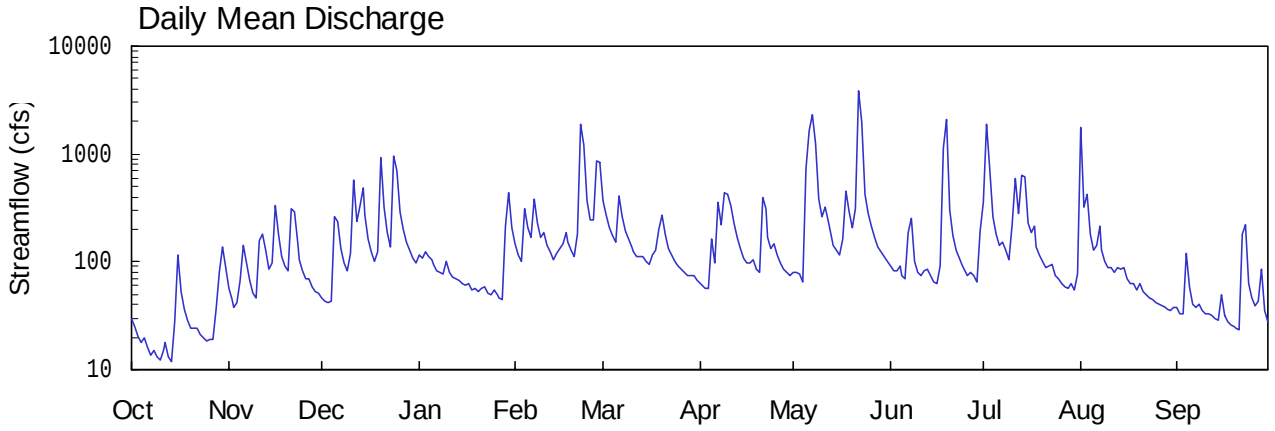
MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 24.58 feet, March 28, 1994

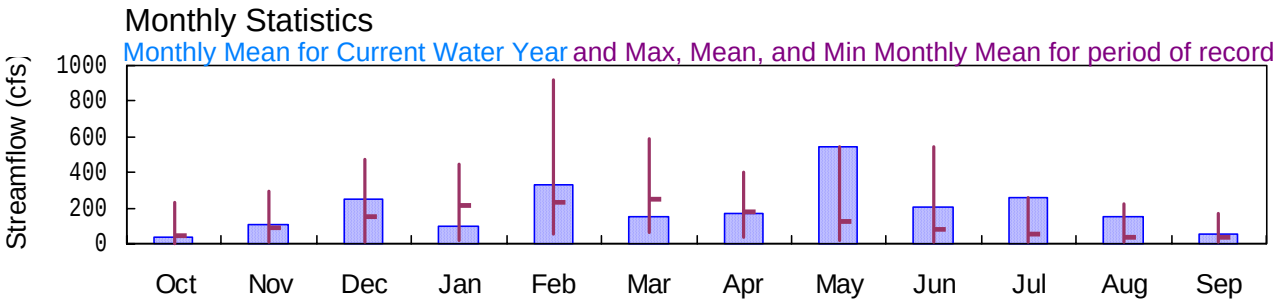
MAXIMUM FOR CURRENT YEAR.—
STAGE: 18.44 feet, May 8

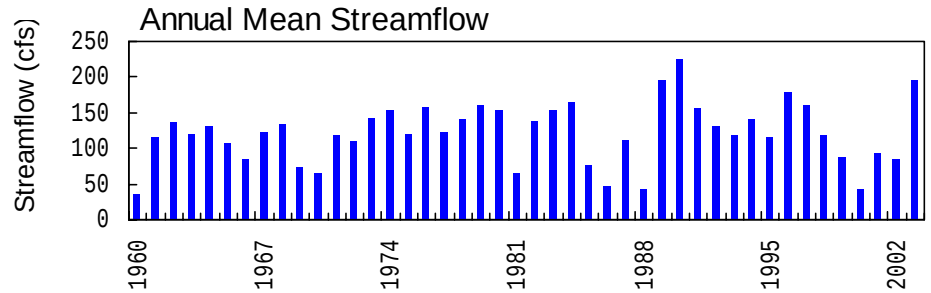
2003 Water Year

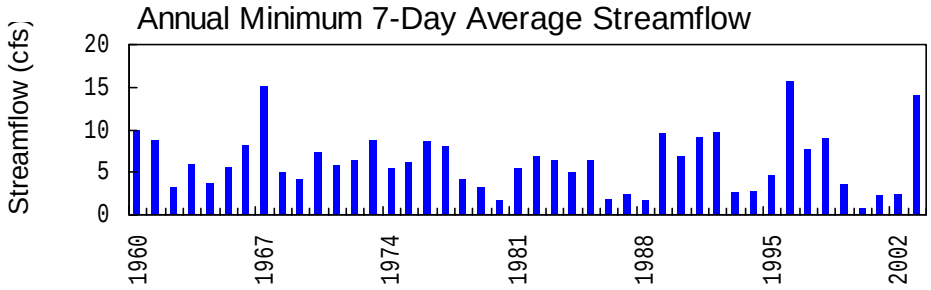
02385800 HOLLY CREEK NEAR CHATSWORTH, GA

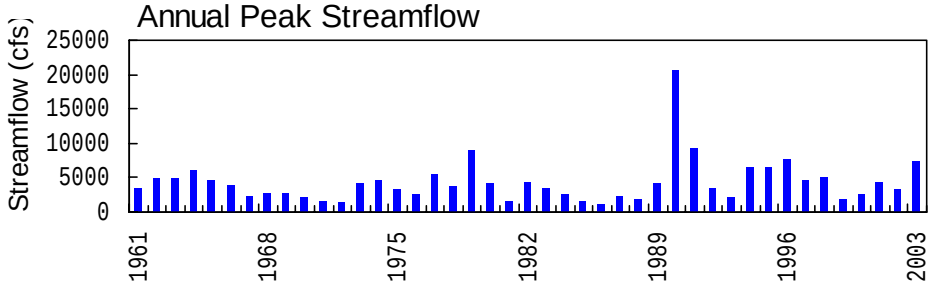
Latitude: 34°43'00" Longitude: 084°46'12" Hydrologic Unit Code: 03150101 Murray County
Drainage Area: 64.0 mi² Datum: 689.2 feet

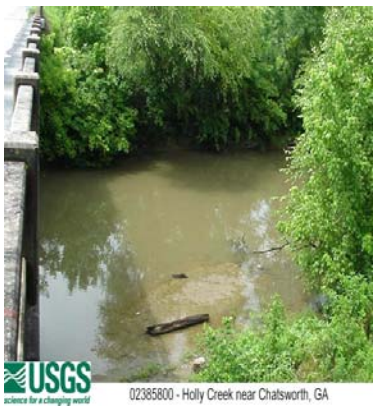












MOBILE RIVER BASIN
2003 Water Year

02385800 HOLLY CREEK NEAR CHATSWORTH, GA

LOCATION.—Lat 34°43'00", long 84°46'12" referenced to North American Datum (NAD) of 1983, Murray County, Hydrologic Unit 03150101, on right bank 100.0 feet upstream from bridge on Smyrna-Ramhurst Road, 3.0 miles upstream from Rock Creek, and 3.3 miles south of Chatsworth.

DRAINAGE AREA.—64.0 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 1960 to current year.

REVISED RECORDS.—WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 689.25 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good, except for the period of estimated discharges, which is fair. Low flow affected by withdrawals and return flow by the City of Chatsworth.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 1,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
02/22	2130	3,070	9.63
05/07	2045	2,690	9.47
05/22	1730	7,520*	11.47*
06/19	0030	4,540	10.19
07/02	1400	2,430	9.35
08/01	1115	3,230	9.69

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 1960 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 689.25 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.47 feet, May 22; minimum gage-height recorded, 1.14 feet, October 15.

02385800 HOLLY CREEK NEAR CHATSWORTH, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—March 29, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02385800 HOLLY CREEK NEAR CHATSWORTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 344300 LONGITUDE 0844612 NAD83 DRAINAGE AREA 64.00 CONTRIBUTING DRAINAGE AREA 64.00* DATUM 689.25 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	58	47	115	147	371	62	79	91	358	1750	38
2	25	44	44	107	116	271	60	80	83	1870	321	33
3	21	38	42	124	100	209	58	76	84	716	423	33
4	18	41	e43	114	309	171	57	65	92	259	178	118
5	20	67	e260	104	208	151	164	716	75	178	127	58
6	16	144	e234	94	169	414	98	1630	69	141	143	40
7	13	97	133	83	378	258	353	2300	189	151	216	38
8	15	66	98	78	228	196	219	1280	254	130	131	41
9	13	52	82	76	166	164	433	385	102	103	102	35
10	12	46	120	102	186	139	420	259	80	225	87	33
11	15	155	578	81	143	123	332	317	75	595	88	33
12	18	180	238	72	122	111	232	234	84	281	80	31
13	13	128	e330	69	106	113	170	169	85	646	88	30
14	12	86	e480	67	120	114	132	142	73	620	86	28
15	28	97	e275	64	134	102	109	128	66	232	87	49
16	117	329	165	61	149	95	97	116	63	189	69	31
17	54	178	125	63	188	114	99	165	92	217	63	28
18	36	111	102	54	151	127	105	445	1130	137	62	26
19	29	93	122	56	127	196	87	295	2070	117	54	25
20	24	84	923	54	114	273	79	206	297	101	62	24
21	25	307	318	56	181	183	389	314	176	88	53	23
22	24	292	188	59	1910	135	307	3920	129	93	49	181
23	21	151	136	52	1230	115	167	1980	107	93	46	220
24	20	105	942	49	364	102	135	429	92	75	44	63
25	19	83	699	56	248	91	147	278	81	70	42	45
26	19	70	292	50	244	84	117	217	74	63	41	39
27	19	70	202	47	862	80	98	167	79	60	39	43
28	37	58	155	45	825	74	86	139	74	57	38	85
29	81	53	127	213	---	75	79	124	65	64	37	35
30	135	50	110	444	---	74	74	111	196	55	35	28
31	90	---	99	210	---	66	---	100	---	76	38	---
TOTAL	1019	3333	7709	2919	9225	4791	4965	16866	6227	8060	4679	1534
MEAN	32.9	111	249	94.2	329	155	166	544	208	260	151	51.1
MAX	135	329	942	444	1910	414	433	3920	2070	1870	1750	220
MIN	12	38	42	45	100	66	57	65	63	55	35	23
CFSM	0.51	1.74	3.89	1.47	5.15	2.41	2.59	8.50	3.24	4.06	2.36	0.80
IN.	0.59	1.94	4.48	1.70	5.36	2.78	2.89	9.80	3.62	4.68	2.72	0.89

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2003, BY WATER YEAR (WY)

MEAN	45.7	88.6	148	214	235	249	178	123	77.9	57.9	38.2	33.8
MAX	234	292	469	450	919	590	406	544	549	260	224	170
(WY)	1990	1978	1983	1974	1990	1980	1998	2003	1989	2003	1967	1989
MIN	2.57	7.93	11.8	16.6	51.6	64.6	33.0	16.8	5.75	6.15	4.68	5.05
(WY)	2001	1979	2000	1981	2000	1988	1986	1986	1988	1969	2002	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1960 - 2003	
ANNUAL TOTAL	39031.2		71327			
ANNUAL MEAN	107		195		124	
HIGHEST ANNUAL MEAN					226	1990
LOWEST ANNUAL MEAN					41.9	1988
HIGHEST DAILY MEAN	2330	Jan 25	3920	May 22	9890	Feb 16 1990
LOWEST DAILY MEAN	2.2	Aug 11	12	Oct 10	0.40	Sep 19 2000
ANNUAL SEVEN-DAY MINIMUM	2.5	Aug 9	14	Oct 8	0.69	Sep 14 2000
MAXIMUM PEAK FLOW			7520	May 22	20600	Feb 16 1990
MAXIMUM PEAK STAGE			11.47	May 22	14.87	Feb 16 1990
ANNUAL RUNOFF (CFSM)	1.67		3.05		1.93	
ANNUAL RUNOFF (INCHES)	22.69		41.46		26.26	
10 PERCENT EXCEEDS	236		355		254	
50 PERCENT EXCEEDS	51		100		55	
90 PERCENT EXCEEDS	4.8		33		9.7	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02385800 HOLLY CREEK NEAR CHATSWORTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 344300 LONGITUDE 0844612 NAD83 DRAINAGE AREA 64.00 CONTRIBUTING DRAINAGE AREA 64.00* DATUM 689.25 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.56	2.02	1.83	2.81	3.17	5.23	2.09	2.35	2.60	4.73	8.67	1.66
2	1.46	1.78	1.77	2.71	2.82	4.32	2.06	2.36	2.49	8.98	4.69	1.55
3	1.37	1.66	1.74	2.92	2.63	3.76	2.02	2.30	2.50	6.81	5.51	1.55
4	1.31	1.72	---	2.80	4.64	3.42	2.01	2.14	2.60	4.23	3.48	2.82
5	1.34	2.10	---	2.68	3.75	3.21	3.22	5.43	2.38	3.48	2.96	2.03
6	1.28	3.13	---	2.54	3.38	5.45	2.60	8.86	2.29	3.12	3.12	1.70
7	1.22	2.59	3.01	2.40	5.28	4.21	4.96	9.28	3.51	3.21	3.84	1.67
8	1.26	2.16	2.60	2.34	3.94	3.64	3.85	8.14	4.16	3.00	3.00	1.72
9	1.21	1.93	2.39	2.30	3.37	3.35	5.63	5.33	2.74	2.67	2.65	1.60
10	1.20	1.82	2.72	2.65	3.55	3.09	5.62	4.22	2.45	3.77	2.46	1.55
11	1.26	3.19	6.49	2.37	3.13	2.91	4.90	4.72	2.38	6.68	2.47	1.55
12	1.31	3.49	4.02	2.25	2.90	2.77	3.97	3.99	2.50	4.43	2.36	1.53
13	1.22	2.95	---	2.20	2.70	2.78	3.40	3.39	2.52	6.91	2.47	1.49
14	1.19	2.45	---	2.18	2.86	2.80	3.01	3.12	2.35	6.47	2.43	1.46
15	1.48	2.50	---	2.12	3.04	2.65	2.74	2.97	2.24	3.98	2.46	1.87
16	2.83	4.86	3.35	2.08	3.18	2.57	2.59	2.82	2.19	3.58	2.20	1.53
17	1.95	3.47	2.93	2.11	3.57	2.78	2.61	3.27	2.48	3.84	2.12	1.45
18	1.61	2.76	2.65	1.96	3.21	2.94	2.69	5.70	6.89	3.08	2.11	1.41
19	1.46	2.53	2.81	2.00	2.96	3.62	2.45	4.55	8.55	2.84	1.98	1.39
20	1.36	2.41	7.77	1.96	2.80	4.35	2.34	3.73	4.57	2.65	2.10	1.38
21	1.37	4.62	4.73	1.99	3.45	3.52	4.94	4.52	3.46	2.48	1.96	1.35
22	1.36	4.53	3.56	2.05	8.52	3.04	4.63	9.73	2.99	2.54	1.88	3.01
23	1.30	3.21	3.05	1.92	7.95	2.81	3.37	8.72	2.72	2.54	1.83	3.76
24	1.27	2.69	6.90	1.87	5.16	2.65	3.04	5.65	2.53	2.30	1.78	2.11
25	1.25	2.40	6.92	1.99	4.12	2.51	3.17	4.43	2.38	2.22	1.75	1.81
26	1.25	2.21	4.53	1.89	4.08	2.42	2.84	3.90	2.28	2.12	1.72	1.68
27	1.25	2.21	3.70	1.83	7.13	2.35	2.60	3.45	2.36	2.06	1.69	1.74
28	1.59	2.03	3.25	1.79	7.41	2.28	2.44	3.18	2.28	2.03	1.66	2.40
29	2.37	1.94	2.96	3.46	---	2.29	2.34	3.01	2.15	2.12	1.64	1.60
30	3.04	1.90	2.75	5.69	---	2.27	2.27	2.85	3.55	1.99	1.60	1.45
31	2.49	---	2.61	3.77	---	2.16	---	2.72	---	2.22	1.66	---
MEAN	1.53	2.64	---	2.44	4.10	3.17	3.21	4.54	3.04	3.65	2.65	1.79
MAX	3.04	4.86	---	5.69	8.52	5.45	5.63	9.73	8.55	8.98	8.67	3.76
MIN	1.19	1.66	---	1.79	2.63	2.16	2.01	2.14	2.15	1.99	1.60	1.35

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02385800 HOLLY CREEK NEAR CHATSWORTH, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 213
LATITUDE 344300 LONGITUDE 0844612 NAD83 DRAINAGE AREA 64.00 CONTRIBUTING DRAINAGE AREA 64.00* DATUM 689.25 NGVD29

APPROVED

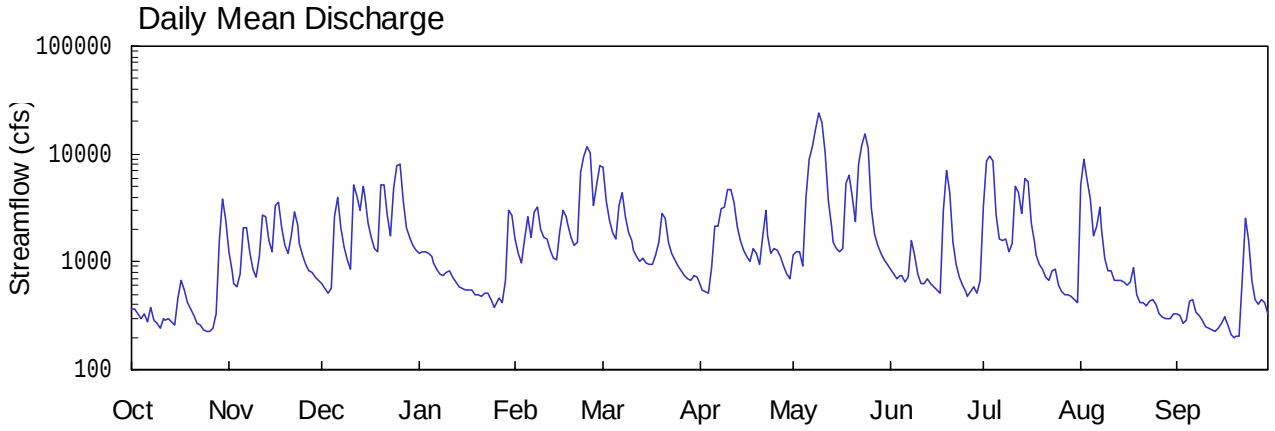
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

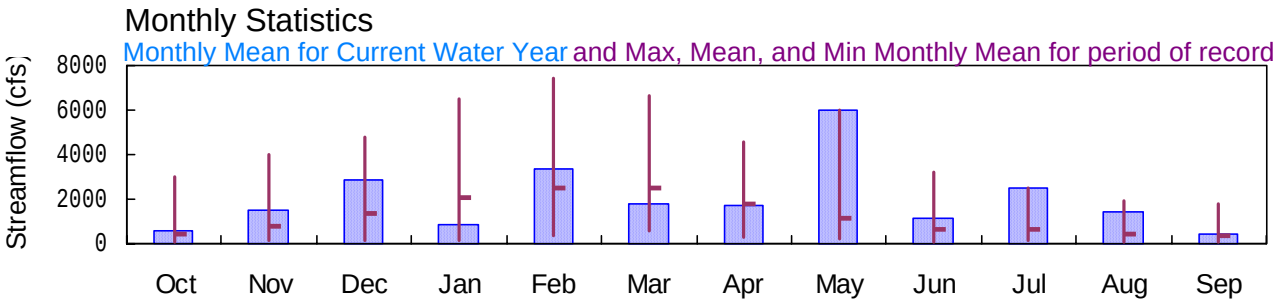
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.11	0.00	---	1.29	0.00
2	0.00	0.00	0.02	0.13	0.00	0.00	0.00	0.27	0.00	---	0.07	0.00
3	0.00	0.17	---	0.01	0.00	0.00	0.00	0.00	0.06	---	0.06	---
4	0.16	0.09	---	0.00	0.84	0.00	0.00	0.00	0.01	---	0.00	---
5	0.00	0.99	---	0.00	0.00	0.37	0.94	---	0.00	---	0.00	---
6	0.00	0.01	---	0.00	0.58	0.74	0.00	---	0.27	---	0.37	---
7	0.00	0.00	---	0.00	0.08	0.00	0.71	---	0.86	---	0.00	---
8	0.00	0.00	---	0.00	0.00	0.00	0.42	---	0.00	---	0.00	---
9	0.00	0.00	---	0.25	0.02	0.00	0.52	---	0.00	---	0.00	---
10	0.03	0.04	---	0.02	0.18	0.00	0.09	---	0.00	---	0.00	---
11	0.10	0.65	---	0.00	0.00	0.00	0.00	---	0.02	---	0.00	---
12	0.00	0.25	---	0.00	0.00	0.00	0.00	---	0.00	---	0.00	---
13	0.00	0.00	---	0.00	0.00	0.17	0.00	---	0.00	---	0.00	---
14	0.00	0.00	---	0.00	0.33	0.00	0.00	---	0.00	---	0.38	---
15	0.87	0.75	---	0.00	0.00	0.09	0.00	---	0.00	---	0.00	---
16	0.01	0.14	---	0.12	0.47	0.00	0.00	---	0.02	---	0.62	---
17	0.00	0.00	---	0.00	0.02	0.31	0.17	---	0.68	---	0.08	---
18	0.00	0.00	---	0.00	0.00	0.00	0.00	---	0.99	---	0.01	---
19	0.00	0.13	---	0.00	0.00	0.42	0.00	---	0.03	---	0.00	---
20	0.04	0.48	---	0.00	0.01	0.16	0.00	---	0.00	---	0.00	---
21	0.00	0.58	---	0.10	0.76	0.00	0.38	---	0.00	---	0.00	---
22	0.00	0.00	---	0.00	2.02	0.00	0.02	---	0.00	---	0.00	---
23	0.00	0.00	---	0.00	0.00	0.00	0.00	---	0.00	---	0.00	---
24	0.00	0.00	1.64	0.00	0.00	0.00	0.21	0.00	0.00	---	0.00	---
25	0.01	0.00	0.06	0.00	0.00	0.00	0.10	0.00	0.00	---	0.00	---
26	0.01	0.09	0.00	0.00	0.36	0.00	0.00	0.00	0.00	---	0.00	---
27	0.00	0.00	0.00	0.00	0.74	0.00	0.00	0.00	0.08	---	0.00	---
28	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	---
29	0.34	0.00	0.00	1.42	---	0.06	0.00	0.00	0.00	0.00	0.00	---
30	0.00	0.00	0.00	0.02	---	0.01	0.17	0.00	---	0.00	0.00	---
31	0.00	---	0.06	0.00	---	0.00	---	0.00	---	1.47	0.00	---
TOTAL	2.15	4.37	---	2.16	6.41	2.33	3.73	---	---	---	2.88	---

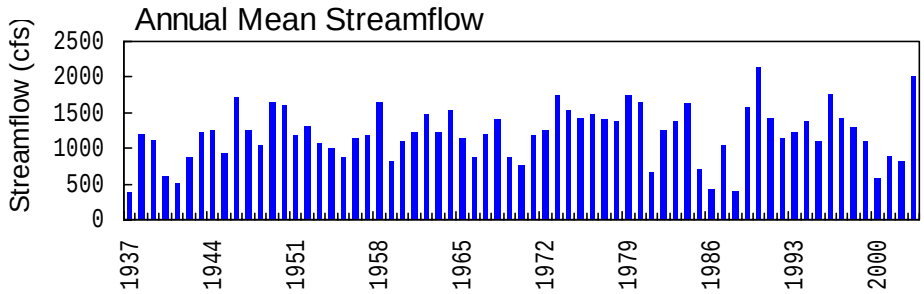
2003 Water Year

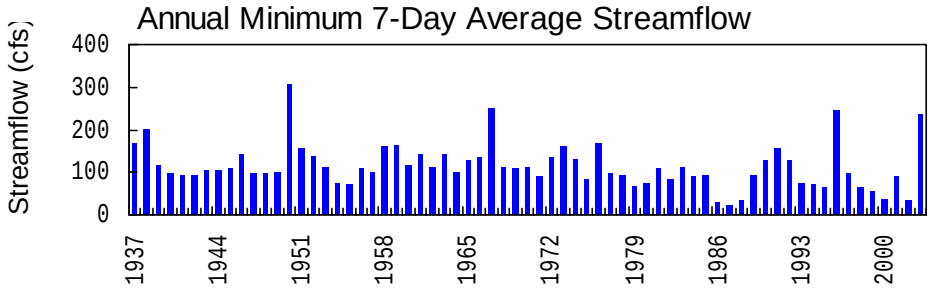
02387000 CONASAUGA RIVER AT TILTON, GA

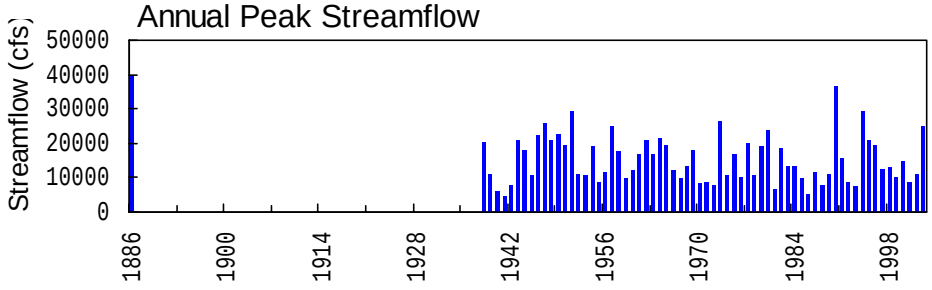
Latitude: 34°40'00" Longitude: 084°55'42" Hydrologic Unit Code: 03150101 Whitfield County
Drainage Area: 687.0 mi² Datum: 622.2 feet











MOBILE RIVER BASIN
2003 Water Year

02387000 CONASAUGA RIVER AT TILTON, GA

LOCATION.—Lat 34°40'00", long 84°55'42" referenced to North American Datum (NAD) of 1927, Whitfield-Murray County line, Hydrologic Unit 03150101, on left bank 250.0 feet downstream from Tilton Road Bridge, 0.2 miles downstream from Swamp Creek, 0.5 miles northeast of Tilton, and 12.0 miles upstream from confluence with Coosawattee River.

DRAINAGE AREA.—687 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District; Georgia Environmental Protection Division.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 1937 to current year.

REVISED RECORDS.—WRD GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 622.28 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Corps of Engineers). Prior to August 24, 1940, a non-recording gage was located at site 150 feet upstream at same datum. Since October 1, 1979, an auxiliary water-stage recorder was located at Sloan Road Bridge, 3.2 miles downstream. A water-stage recorder on Oostanaula River at Resaca was used as auxiliary gage during 1961-79 water years.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Flow affected by withdrawals and return flow by the City of Dalton.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 5,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
12/14	1715	5,270	11.56
12/20	2145	5,650	12.09
12/26	0600	8,630	16.29
02/25	0030	12,200	19.55
03/01	0045	8,350	15.95
05/09	1000	25,000*	26.67*
05/18	2045	6,730	14.07
05/24	1145	15,400	22.04
06/19	0900	7,640	14.72
07/03	2315	9,750	17.38
07/12	0030	5,570	11.98
07/15	0045	6,930	13.80
08/02	1715	9,310	16.79

02387000 CONASAUGA RIVER AT TILTON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 1937 to current year.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 622.28 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Corps of Engineers). Prior to August 24, 1940, a non-recording gage was located at site 150 feet upstream at same datum. Since October 1, 1979, an auxiliary water-stage recorder was located at Sloan Road Bridge, 3.2 miles downstream. A water-stage recorder on Oostanaula River at Resaca was used as auxiliary gage during 1961-79 water years.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 26.67 feet, May 9; minimum gage-height recorded, 2.72 feet, September 19.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687* DATUM 622.28 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e360	1260	631	1220	1600	7510	611	1150	858	3260	5160	335
2	e370	817	575	1240	1210	3640	553	1250	759	8720	8890	318
3	332	630	508	1240	979	2420	531	1230	694	9420	5770	267
4	297	585	561	1210	1650	1890	514	926	756	8540	3850	284
5	331	780	2580	1110	2600	1610	884	3880	743	2730	1730	433
6	274	2090	4010	991	1680	3280	2120	8790	641	1630	2150	441
7	382	2070	2090	859	2870	4420	2120	11500	730	1560	3210	337
8	285	1240	1350	777	3250	2630	3110	17100	1600	1620	1980	318
9	265	856	1050	740	1970	1890	3170	24200	1180	1220	1070	283
10	243	720	e846	807	1690	1560	4630	19400	767	1470	824	254
11	298	1100	e5160	828	1630	1290	4600	10400	623	4930	817	240
12	286	2700	e4070	710	1290	1130	3550	3660	637	4430	676	231
13	299	2580	3010	640	1080	1020	2140	2130	696	2770	666	229
14	279	1580	5020	596	1040	1080	1570	1530	638	5850	671	242
15	256	1250	4110	573	1930	990	1280	1340	594	5490	654	269
16	467	3330	2310	549	2990	959	1100	1220	557	2270	603	304
17	669	3560	1680	547	2630	932	1010	1340	520	1540	655	263
18	549	2040	1330	546	2200	1170	1350	5400	2990	1140	870	210
19	413	1410	1260	502	1680	1500	1210	6310	7040	946	502	194
20	360	1180	5140	492	1410	2850	961	3920	4360	859	424	203
21	323	1750	5190	482	1540	2520	1740	2400	1540	724	412	206
22	271	2910	2690	519	6770	1530	3020	8200	957	679	395	699
23	255	2230	1760	509	9580	1200	1720	12300	726	816	437	2540
24	235	1460	4760	451	11600	1050	1220	15100	607	848	445	1590
25	224	1150	7860	381	10300	900	1340	11300	531	611	402	675
26	226	944	8170	434	3300	820	1300	3080	481	532	324	449
27	243	836	3750	456	5130	748	1120	1790	534	503	310	397
28	328	809	2080	411	7810	694	900	1420	580	490	299	443
29	1550	731	1710	665	---	682	767	1210	513	476	294	413
30	3840	670	1440	3020	---	736	705	1060	665	451	300	332
31	2430	---	1260	2730	---	725	---	944	---	415	327	---
TOTAL	16940	45268	87961	26235	93409	55376	50846	185480	34517	76940	45117	13399
MEAN	546	1509	2837	846	3336	1786	1695	5983	1151	2482	1455	447
MAX	3840	3560	8170	3020	11600	7510	4630	24200	7040	9420	8890	2540
MIN	224	585	508	381	979	682	514	926	481	415	294	194
CFSM	0.80	2.20	4.13	1.23	4.86	2.60	2.47	8.71	1.67	3.61	2.12	0.65
IN.	0.92	2.45	4.76	1.42	5.06	3.00	2.75	10.04	1.87	4.17	2.44	0.73

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2003, BY WATER YEAR (WY)

MEAN	420	803	1351	2095	2489	2517	1757	1139	678	620	405	382
MAX	2996	4022	4761	6499	7419	6672	4596	5983	3203	2482	1899	1763
(WY)	1990	1958	1962	1947	1990	1980	1977	2003	1989	2003	1967	1975
MIN	77.3	112	141	176	356	592	308	211	54.0	111	57.1	66.3
(WY)	1988	1979	2000	1981	1941	1988	1986	1986	1988	1988	2000	1987

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1937 - 2003	
ANNUAL TOTAL	414169		731488			
ANNUAL MEAN	1135		2004		1216	
HIGHEST ANNUAL MEAN					2147	1990
LOWEST ANNUAL MEAN					392	1988
HIGHEST DAILY MEAN	10700	Jan 27	24200	May 9	32800	Feb 18 1990
LOWEST DAILY MEAN	22	Sep 12	194	Sep 19	12	Jul 24 1986
ANNUAL SEVEN-DAY MINIMUM	32	Sep 8	236	Sep 15	24	Aug 29 1987
MAXIMUM PEAK FLOW			25000	May 9	36800	Feb 17 1990
MAXIMUM PEAK STAGE			26.67	May 9	30.20	Mar 30 1951
ANNUAL RUNOFF (CFSM)	1.65		2.92		1.77	
ANNUAL RUNOFF (INCHES)	22.43		39.61		24.04	
10 PERCENT EXCEEDS	2870		4680		2830	
50 PERCENT EXCEEDS	526		1060		549	
90 PERCENT EXCEEDS	72		318		143	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687* DATUM 622.28 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	5.11	3.87	5.04	5.75	15.25	3.83	4.75	4.35	8.34	11.26	3.13
2	---	4.26	3.75	5.07	5.02	9.50	3.70	4.97	4.14	16.21	16.29	3.08
3	3.17	3.87	3.60	5.07	4.58	7.18	3.65	4.93	4.01	17.05	12.84	2.94
4	3.07	3.77	3.72	5.01	5.81	6.27	3.61	4.32	4.14	16.41	9.45	2.99
5	3.17	4.16	7.37	4.83	7.48	5.76	4.36	9.04	4.11	8.12	5.97	3.37
6	3.01	6.62	9.69	4.61	5.89	8.51	6.67	16.63	3.90	5.81	6.62	3.39
7	3.25	6.58	6.61	4.35	7.89	10.93	6.65	19.38	4.08	5.68	8.45	3.13
8	2.99	5.07	5.29	4.18	8.51	7.84	8.31	22.91	5.74	5.79	6.41	3.08
9	2.94	4.34	4.72	4.11	6.41	6.27	8.39	26.39	4.96	5.05	4.70	2.99
10	2.87	4.06	---	4.24	5.92	5.67	10.62	24.39	4.16	5.47	4.23	2.90
11	3.03	4.81	---	4.29	5.81	5.17	10.58	19.19	3.86	11.05	4.21	2.86
12	2.99	7.63	---	4.04	5.18	4.86	9.02	10.86	3.89	10.29	3.92	2.84
13	3.03	7.44	8.13	3.89	4.78	4.66	6.72	6.69	4.01	7.74	3.90	2.83
14	2.97	5.70	11.19	3.80	4.69	4.78	5.66	5.62	3.89	12.34	3.91	2.87
15	2.91	5.81	9.84	3.75	6.30	4.60	5.03	5.27	3.79	12.11	3.87	2.95
16	3.45	8.62	6.98	3.69	8.11	4.54	4.66	5.05	3.71	6.95	3.76	3.04
17	3.90	9.00	5.89	3.69	7.53	4.49	4.48	5.26	3.63	5.66	3.87	2.93
18	3.64	6.53	5.26	3.69	6.80	4.95	5.19	11.87	7.71	5.13	4.31	2.77
19	3.32	5.40	5.11	3.59	5.90	5.57	4.88	14.05	14.15	4.52	3.54	2.73
20	3.19	4.97	11.36	3.56	5.39	7.88	4.39	10.80	10.41	4.35	3.35	2.75
21	3.09	5.99	11.43	3.54	5.64	7.32	5.88	7.23	5.62	4.07	3.32	2.76
22	2.95	7.98	7.61	3.63	13.57	5.61	8.15	15.54	4.54	3.98	3.28	3.83
23	2.91	6.86	6.03	3.60	17.48	5.01	5.92	19.70	4.08	4.26	3.38	7.38
24	2.85	5.49	10.62	3.47	19.10	4.72	4.89	21.84	3.82	4.32	3.40	5.69
25	2.82	4.91	15.32	3.29	18.36	4.43	5.17	19.52	3.65	3.83	3.30	3.92
26	2.82	4.52	15.92	3.43	9.37	4.27	5.08	9.97	3.54	3.65	3.10	3.41
27	2.87	4.30	9.72	3.48	11.29	4.12	4.69	6.13	3.65	3.59	3.06	3.28
28	3.10	4.25	6.60	3.37	15.20	4.01	4.27	5.42	3.76	3.56	3.03	3.40
29	5.54	4.09	5.94	3.90	---	3.98	4.00	5.01	3.61	3.53	3.02	3.32
30	9.43	3.96	5.46	8.13	---	4.10	3.87	4.73	3.93	3.47	3.03	3.12
31	7.17	---	5.12	7.67	---	4.07	---	4.52	---	3.38	3.11	---
MEAN	---	5.54	---	4.26	8.35	6.01	5.74	11.35	4.76	6.96	5.16	3.32
MAX	---	9.00	---	8.13	19.10	15.25	10.62	26.39	14.15	17.05	16.29	7.38
MIN	---	3.77	---	3.29	4.58	3.98	3.61	4.32	3.54	3.38	3.02	2.73

MOBILE RIVER BASIN
2003 Water Year

02387000 CONASAUGA RIVER AT TILTON, GA

LOCATION.—Lat 34°40'00", long 84°55'42" referenced to North American Datum (NAD) of 1927, Whitfield-Murray County line, Hydrologic Unit 03150101, on left bank 250.0 feet downstream from Tilton Road Bridge, 0.2 miles downstream from Swamp Creek, 0.5 miles northeast of Tilton, and 12.0 miles upstream from confluence with Coosawattee River.

DRAINAGE AREA.—687 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District; Georgia Environmental Protection Division.

PERIOD OF RECORD.—February 1975 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: October 1975 to current year.
pH: October 1975 to current year.
WATER TEMPERATURE: February 1975 to current year.
DISSOLVED OXYGEN: October 1975 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 680 microsiemens, October 17, 1993; minimum recorded, 34 microsiemens, March 23, 1980.
pH: Maximum recorded, 10.7 units, February 13, 1988; minimum recorded, 5.9 units, September 28, 29, 1979.
WATER TEMPERATURE: Maximum recorded, 33.0 °C, July 23, 1986; minimum recorded, 0.0 °C, on several days.
DISSOLVED OXYGEN: Maximum recorded, 17.9 mg/L, October 12, 2000; minimum recorded, 0.0 mg/L, December 14, 2001.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum, 316 microsiemens, October 16; minimum, 51 microsiemens, May 9.
pH: Maximum, 8.5 units, April 3; minimum, 6.6 units, May 9, 10.
WATER TEMPERATURE: Maximum, 28.2 °C, August 22, 23, 26; minimum, 0.4 °C, January 25.
DISSOLVED OXYGEN: Maximum, 17.7 mg/L, January 28; minimum, 0.2 mg/L, September 24.

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	147	138	142	184	179	181	151	142	146
2	---	---	---	164	147	157	186	182	183	166	147	152
3	200	184	191	182	164	173	193	186	191	167	153	160
4	222	200	210	208	182	200	211	192	198	153	151	152
5	252	222	237	242	207	215	220	158	196	152	145	149
6	253	232	247	241	189	208	158	133	143	149	144	147
7	260	240	251	189	169	178	133	129	130	150	147	149
8	274	249	263	169	149	156	139	131	135	155	150	153
9	264	249	254	160	149	154	---	---	---	159	155	158
10	273	264	270	176	160	166	---	---	---	169	159	166
11	291	260	276	204	174	190	---	---	---	168	160	163
12	286	270	276	204	156	176	---	---	---	163	160	161
13	278	265	270	156	142	144	131	122	125	163	160	162
14	278	269	273	144	140	142	126	110	116	165	163	164
15	274	262	270	173	143	148	110	105	108	166	163	165
16	316	266	292	182	147	163	116	105	109	174	166	169
17	290	224	244	147	136	141	128	116	121	178	174	177
18	226	215	221	137	130	133	138	128	133	178	170	174
19	215	200	208	145	132	138	144	128	140	176	171	173
20	210	202	205	158	145	151	144	109	122	179	172	175
21	224	210	218	181	158	173	110	92	100	185	179	183
22	248	224	237	172	143	154	108	97	103	188	182	185
23	254	246	250	143	131	134	121	108	115	187	179	182
24	257	250	253	142	132	138	122	92	110	179	172	174
25	266	249	258	154	142	149	92	74	81	180	173	178
26	277	265	270	164	154	159	95	74	81	185	178	181
27	274	265	269	172	164	169	105	95	100	186	182	184
28	---	---	---	174	171	172	118	105	112	187	183	185
29	---	---	---	176	171	173	127	118	123	220	182	191
30	147	141	144	180	176	177	135	127	131	218	149	175
31	144	138	142	---	---	---	142	135	138	149	128	137
MONTH	---	---	---	242	130	162	---	---	---	220	128	167

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STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	136	128	131	92	77	82	172	168	170	189	174	184
2	149	135	142	101	92	97	173	171	172	184	169	178
3	159	149	154	110	101	106	182	172	177	188	180	184
4	177	158	168	117	110	114	184	179	181	182	177	178
5	165	158	161	125	117	121	210	177	190	177	121	149
6	158	147	151	137	122	130	209	182	193	121	96	106
7	155	142	150	122	114	116	208	175	197	96	81	87
8	142	136	139	120	115	118	175	155	160	81	54	66
9	136	134	134	124	117	120	161	152	158	55	51	53
10	143	134	139	132	124	129	131	111	118	81	55	66
11	149	143	145	134	125	131	111	106	108	116	81	99
12	151	148	150	131	126	129	109	105	107	132	116	126
13	155	150	152	139	131	134	118	109	113	136	132	135
14	164	155	157	140	138	139	128	118	123	136	132	134
15	165	163	164	147	139	143	138	128	133	144	136	140
16	163	148	154	150	146	149	148	138	143	147	143	145
17	150	147	148	160	150	154	157	148	152	156	146	149
18	149	145	147	163	156	160	160	156	158	156	118	130
19	145	143	144	167	158	162	159	153	157	118	111	115
20	146	143	144	164	139	155	162	159	160	133	117	126
21	161	145	151	140	135	137	177	162	168	147	132	138
22	159	105	134	149	140	146	169	135	151	146	87	115
23	105	73	86	152	146	149	146	141	143	87	74	79
24	73	61	65	153	149	151	149	140	142	76	71	73
25	88	65	76	155	152	153	156	146	151	102	76	89
26	117	88	104	158	153	156	161	148	154	123	102	117
27	118	99	113	164	158	161	163	160	161	133	123	128
28	99	78	86	168	163	165	171	163	165	137	132	135
29	---	---	---	167	164	165	169	166	167	141	137	139
30	---	---	---	170	167	169	174	169	170	146	141	144
31	---	---	---	170	167	169	---	---	---	149	146	148
MONTH	177	61	135	170	77	139	210	105	155	189	51	124

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	153	149	151	178	122	161	177	83	128	224	219	223
2	155	152	154	122	90	104	94	82	88	221	218	219
3	164	155	160	90	75	81	121	94	112	222	216	219
4	171	164	167	99	75	83	115	101	104	252	220	230
5	168	161	164	118	99	105	128	115	120	252	196	217
6	161	159	160	129	117	123	133	110	128	209	191	201
7	171	159	162	147	129	137	142	123	134	213	202	208
8	172	141	158	149	142	145	134	122	130	219	203	210
9	150	140	146	149	148	149	150	134	142	227	211	217
10	152	150	151	155	142	150	157	147	151	227	216	220
11	155	149	151	155	120	135	168	154	161	231	219	224
12	166	155	162	121	110	113	168	153	162	235	225	230
13	167	159	163	122	109	118	175	166	172	239	226	232
14	163	157	160	113	89	98	172	158	162	245	233	237
15	163	156	160	115	89	101	179	169	175	250	236	241
16	165	161	163	128	107	116	183	169	177	250	230	239
17	174	164	169	136	128	133	191	155	180	230	216	220
18	179	90	145	169	135	155	209	149	187	228	216	219
19	93	87	91	175	155	168	213	195	202	238	228	233
20	98	87	89	---	---	---	200	195	197	240	228	234
21	124	98	115	---	---	---	199	191	196	242	231	237
22	137	124	131	---	---	---	201	191	197	249	177	227
23	148	137	142	175	162	169	205	193	199	198	129	162
24	154	148	150	181	160	171	197	185	191	130	118	123
25	161	154	158	186	178	183	225	197	214	135	123	129
26	166	160	163	178	174	176	217	212	214	152	135	142
27	178	165	169	180	174	177	217	213	215	171	152	160
28	184	173	178	182	178	180	224	215	219	203	171	191
29	179	173	177	189	177	182	224	217	220	203	193	198
30	184	171	179	187	177	182	225	216	221	198	191	195
31	---	---	---	188	164	184	229	223	227	---	---	---
MONTH	184	87	153	---	---	---	229	82	172	252	118	208

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STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	7.5	7.4	7.5	7.7	7.6	7.7	7.6	7.5	7.6
2	---	---	---	7.6	7.5	7.6	7.7	7.6	7.7	7.6	7.6	7.6
3	7.6	7.5	7.5	7.6	7.6	7.6	7.7	7.6	7.7	7.6	7.6	7.6
4	7.6	7.5	7.6	7.7	7.6	7.6	7.7	7.6	7.6	7.7	7.6	7.6
5	7.6	7.5	7.5	7.6	7.4	7.6	7.6	7.3	7.4	7.7	7.6	7.7
6	7.6	7.5	7.6	7.5	7.4	7.5	7.4	7.3	7.3	7.7	7.6	7.7
7	7.6	7.5	7.5	7.5	7.5	7.5	7.4	7.3	7.4	7.7	7.7	7.7
8	7.6	7.5	7.5	7.5	7.4	7.5	7.5	7.4	7.4	7.7	7.7	7.7
9	7.6	7.5	7.5	7.5	7.4	7.5	---	---	---	7.7	7.7	7.7
10	7.6	7.5	7.6	7.6	7.5	7.6	---	---	---	7.7	7.7	7.7
11	7.7	7.5	7.6	7.6	7.5	7.6	---	---	---	7.8	7.7	7.7
12	7.7	7.5	7.6	7.6	7.4	7.5	---	---	---	7.8	7.7	7.8
13	7.8	7.5	7.6	7.4	7.4	7.4	7.4	7.3	7.4	7.8	7.8	7.8
14	7.8	7.6	7.7	7.5	7.4	7.4	7.4	7.3	7.3	7.8	7.8	7.8
15	7.6	7.5	7.6	7.5	7.4	7.4	7.3	7.3	7.3	7.8	7.4	7.8
16	7.7	7.5	7.6	7.4	7.3	7.4	7.4	7.3	7.4	7.8	7.7	7.8
17	7.7	7.6	7.7	7.3	7.3	7.3	7.5	7.4	7.5	7.9	7.7	7.8
18	7.7	7.6	7.6	7.4	7.3	7.3	7.6	7.5	7.5	7.9	7.8	7.8
19	7.6	7.4	7.5	7.4	7.3	7.4	7.6	7.4	7.6	7.9	7.8	7.9
20	7.4	7.3	7.4	7.5	7.4	7.5	7.4	7.2	7.3	7.9	7.8	7.9
21	7.4	7.3	7.3	7.5	7.4	7.5	7.3	7.2	7.2	7.9	7.8	7.8
22	7.4	7.3	7.3	7.4	7.4	7.4	7.4	7.2	7.3	8.0	7.7	7.8
23	7.4	7.3	7.3	7.4	7.4	7.4	7.5	7.4	7.4	8.2	7.8	8.0
24	7.3	7.3	7.3	7.5	7.4	7.4	7.5	7.2	7.3	8.2	7.9	8.1
25	7.3	7.2	7.3	7.5	7.4	7.5	7.2	7.0	7.1	8.2	7.9	8.1
26	7.3	7.2	7.3	7.6	7.5	7.5	7.1	7.0	7.1	8.2	7.9	8.1
27	7.4	7.3	7.3	7.6	7.5	7.6	7.3	7.1	7.2	8.3	7.9	8.1
28	7.4	7.3	7.4	7.6	7.6	7.6	7.4	7.3	7.4	8.2	7.9	8.2
29	7.4	7.3	7.3	7.7	7.6	7.6	7.5	7.4	7.4	8.2	7.6	7.8
30	7.4	7.3	7.3	7.7	7.6	7.6	7.5	7.5	7.5	7.6	7.4	7.5
31	7.4	7.3	7.3	---	---	---	7.6	7.5	7.5	7.4	7.4	7.4
MAX	---	---	---	7.7	7.6	7.6	---	---	---	8.3	7.9	8.2
MIN	---	---	---	7.3	7.3	7.3	---	---	---	7.4	7.4	7.4

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.5	7.4	7.5	7.2	7.1	7.2	8.3	7.9	8.1	7.6	7.4	7.5
2	7.6	7.5	7.5	7.4	7.1	7.3	8.4	7.9	8.2	7.6	7.4	7.5
3	7.7	7.6	7.6	7.4	7.4	7.4	8.5	7.8	8.2	7.5	7.4	7.5
4	7.8	7.6	7.7	7.5	7.4	7.5	8.2	7.7	8.0	7.5	7.4	7.5
5	7.7	7.5	7.5	7.5	7.5	7.5	7.9	7.4	7.7	7.6	7.1	7.2
6	7.5	7.5	7.5	7.5	7.4	7.4	7.5	7.4	7.5	7.2	7.0	7.1
7	7.5	7.5	7.5	7.4	7.3	7.4	7.6	7.3	7.5	7.0	6.8	6.9
8	7.5	7.5	7.5	7.4	7.4	7.4	7.4	7.3	7.4	6.8	6.7	6.7
9	7.5	7.5	7.5	7.5	7.4	7.5	7.3	7.1	7.2	6.7	6.6	6.7
10	7.6	7.5	7.6	7.6	7.5	7.5	7.4	7.2	7.4	6.9	6.6	6.8
11	7.7	7.6	7.6	7.6	7.6	7.6	7.4	7.4	7.4	7.0	6.8	6.9
12	7.7	7.6	7.7	7.7	7.6	7.6	7.5	7.4	7.4	7.3	7.0	7.2
13	7.8	7.7	7.7	7.7	7.6	7.6	7.5	7.4	7.5	7.4	7.3	7.3
14	7.8	7.7	7.7	7.7	7.6	7.6	7.5	7.5	7.5	7.4	7.4	7.4
15	7.7	7.6	7.7	7.7	7.6	7.6	7.6	7.5	7.6	7.5	7.4	7.5
16	7.6	7.5	7.5	7.8	7.7	7.7	7.6	7.6	7.6	7.5	7.5	7.5
17	7.5	7.5	7.5	7.7	7.7	7.7	7.6	7.6	7.6	7.5	7.3	7.5
18	7.6	7.5	7.5	7.7	7.6	7.7	7.7	7.6	7.6	7.4	7.2	7.2
19	7.6	7.6	7.6	7.7	7.6	7.6	7.6	7.5	7.6	7.3	7.2	7.2
20	7.7	7.6	7.6	7.7	7.4	7.6	7.7	7.6	7.6	7.3	7.2	7.2
21	7.7	7.6	7.6	7.5	7.4	7.4	7.7	7.4	7.6	7.4	7.3	7.4
22	7.6	7.2	7.4	7.6	7.5	7.5	7.5	7.3	7.4	7.4	7.1	7.2
23	7.2	6.9	7.0	7.7	7.6	7.6	7.7	7.4	7.5	7.1	6.8	6.9
24	6.9	6.9	6.9	7.7	7.6	7.7	7.9	7.7	7.9	6.9	6.8	6.9
25	7.0	6.9	7.0	7.8	7.7	7.7	7.9	7.4	7.5	7.0	6.9	7.0
26	7.4	7.0	7.3	7.8	7.7	7.7	7.6	7.5	7.5	7.3	7.0	7.2
27	7.4	7.3	7.4	7.9	7.7	7.8	7.6	7.6	7.6	7.5	7.3	7.4
28	7.3	7.2	7.2	7.9	7.7	7.8	7.6	7.6	7.6	7.5	7.4	7.5
29	---	---	---	7.8	7.7	7.7	7.6	7.6	7.6	7.5	7.5	7.5
30	---	---	---	7.9	7.7	7.8	7.7	7.6	7.6	7.6	7.5	7.5
31	---	---	---	8.1	7.8	7.9	---	---	---	7.6	7.5	7.6
MAX	7.8	7.7	7.7	8.1	7.8	7.9	8.5	7.9	8.2	7.6	7.5	7.6
MIN	6.9	6.9	6.9	7.2	7.1	7.2	7.3	7.1	7.2	6.7	6.6	6.7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.6	7.6	7.6	7.5	7.2	7.4	7.8	7.0	7.3	7.9	7.6	7.8
2	7.6	7.6	7.6	7.2	7.1	7.2	7.0	6.9	6.9	7.9	7.7	7.8
3	7.6	7.6	7.6	7.1	7.0	7.0	7.3	6.9	7.0	7.9	7.6	7.8
4	7.6	7.6	7.6	7.0	6.9	7.0	7.2	7.1	7.2	7.8	7.7	7.7
5	7.7	7.6	7.6	7.3	6.9	7.2	7.4	7.1	7.2	7.7	7.6	7.6
6	7.7	7.6	7.6	7.4	7.3	7.3	7.4	7.2	7.4	7.7	7.6	7.7
7	7.6	7.6	7.6	7.5	7.4	7.4	7.3	7.2	7.3	7.7	7.6	7.7
8	7.6	7.5	7.5	7.5	7.4	7.4	7.2	7.1	7.1	7.8	7.7	7.7
9	7.6	7.5	7.6	7.5	7.4	7.5	7.1	7.0	7.1	7.8	7.7	7.8
10	7.6	7.5	7.6	7.5	7.4	7.5	7.2	7.1	7.1	7.8	7.7	7.8
11	7.6	7.5	7.5	7.5	7.2	7.3	7.6	7.2	7.5	7.9	7.7	7.8
12	7.5	7.5	7.5	7.3	7.2	7.2	7.6	7.5	7.6	7.9	7.8	7.8
13	7.6	7.5	7.5	7.4	7.2	7.3	7.6	7.6	7.6	8.0	7.8	7.8
14	7.6	7.5	7.6	7.4	7.1	7.2	7.6	7.6	7.6	7.9	7.7	7.8
15	7.6	7.5	7.6	7.1	7.1	7.1	7.6	7.5	7.6	7.8	7.7	7.8
16	7.6	7.5	7.6	7.3	7.1	7.2	7.6	7.5	7.6	7.9	7.7	7.8
17	7.6	7.5	7.6	7.4	7.3	7.4	7.7	7.5	7.6	7.9	7.7	7.8
18	7.7	7.2	7.4	7.5	7.4	7.5	7.5	7.3	7.3	7.9	7.6	7.8
19	7.2	7.0	7.0	7.6	7.5	7.5	7.5	7.4	7.4	7.9	7.7	7.8
20	7.1	6.9	7.0	---	---	---	7.7	7.4	7.5	8.0	7.7	7.8
21	7.4	7.1	7.3	---	---	---	7.8	7.6	7.7	7.8	7.7	7.8
22	7.5	7.4	7.4	---	---	---	7.9	7.6	7.7	7.7	7.4	7.7
23	7.5	7.4	7.5	---	---	---	8.0	7.6	7.8	7.6	7.3	7.4
24	7.6	7.5	7.5	7.7	7.6	7.6	7.9	7.6	7.7	7.4	7.3	7.3
25	7.6	7.5	7.6	7.7	7.6	7.7	8.0	7.6	7.8	7.4	7.3	7.4
26	7.7	7.5	7.6	7.7	7.6	7.7	8.1	7.7	7.9	7.5	7.4	7.4
27	7.7	7.5	7.6	7.7	7.6	7.7	7.9	7.7	7.8	7.6	7.4	7.5
28	7.6	7.5	7.5	7.8	7.6	7.7	7.9	7.6	7.8	7.5	7.4	7.5
29	7.7	7.5	7.6	7.8	7.7	7.8	7.9	7.6	7.8	7.6	7.5	7.5
30	7.7	7.5	7.6	7.8	7.6	7.7	7.8	7.6	7.8	7.6	7.5	7.6
31	---	---	---	7.9	7.6	7.8	7.8	7.6	7.8	---	---	---
MAX	7.7	7.6	7.6	---	---	---	8.1	7.7	7.9	8.0	7.8	7.8
MIN	7.1	6.9	7.0	---	---	---	7.0	6.9	6.9	7.4	7.3	7.3

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	16.4	14.2	15.2	7.1	6.0	6.6	10.1	8.4	9.4
2	---	---	---	14.2	12.7	13.3	6.0	5.2	5.7	10.8	10.1	10.5
3	23.8	22.2	23.2	12.7	12.0	12.2	6.7	5.1	5.9	10.7	9.0	10.0
4	23.8	22.6	23.0	12.4	11.9	12.1	6.7	6.2	6.4	9.0	7.4	8.2
5	24.1	22.4	23.2	13.0	12.2	12.5	6.9	6.5	6.8	7.5	6.9	7.2
6	24.0	22.2	23.3	13.4	13.0	13.2	7.0	6.6	6.8	7.0	6.4	6.8
7	23.8	22.4	23.0	13.0	12.4	12.8	6.6	5.8	6.2	6.4	5.5	5.9
8	22.4	21.1	21.6	12.4	11.6	12.0	5.8	5.3	5.5	5.6	4.9	5.3
9	21.4	20.2	20.5	12.4	11.2	11.8	---	---	---	6.6	5.2	5.8
10	20.3	20.0	20.2	14.7	12.4	13.4	---	---	---	7.4	6.6	7.0
11	21.2	20.1	20.6	16.4	14.7	15.7	---	---	---	6.8	5.7	6.3
12	22.0	20.6	21.4	16.5	16.0	16.3	---	---	---	5.7	4.2	4.8
13	22.5	21.4	21.9	16.0	13.9	15.0	8.2	7.8	7.9	4.2	3.6	3.9
14	21.4	19.9	20.6	13.9	12.1	13.0	8.1	7.7	8.0	4.1	3.0	3.6
15	20.5	18.3	19.4	12.1	11.4	11.6	7.7	7.2	7.4	3.9	3.0	3.5
16	18.6	17.6	18.1	11.9	11.6	11.8	7.5	6.9	7.2	3.4	2.8	3.0
17	17.6	16.1	16.8	11.6	10.5	11.2	8.3	7.5	7.8	3.3	2.5	2.8
18	16.2	15.0	15.7	10.5	9.2	9.8	8.9	8.2	8.5	2.5	1.5	2.0
19	15.8	14.3	15.2	9.6	9.1	9.3	10.0	8.8	9.2	2.5	1.4	2.0
20	16.1	15.2	15.7	10.3	9.4	9.8	10.4	10.0	10.3	3.7	1.5	2.6
21	16.8	16.0	16.4	11.6	10.3	11.1	10.2	8.5	9.4	5.0	3.5	4.3
22	17.8	16.5	17.1	11.6	11.0	11.5	8.6	8.1	8.3	5.8	4.6	5.2
23	17.4	16.7	17.1	11.0	9.2	10.1	8.4	8.0	8.2	5.4	2.9	4.2
24	17.5	17.1	17.3	9.2	8.5	8.8	8.4	7.9	8.1	2.9	1.0	1.7
25	17.3	16.8	17.0	8.9	8.2	8.6	7.9	7.3	7.7	1.9	0.4	1.3
26	17.3	16.7	17.0	9.3	8.4	8.8	7.3	6.2	6.7	2.5	1.3	1.9
27	18.2	17.2	17.6	9.2	8.5	9.0	6.2	5.8	6.0	2.6	1.4	2.1
28	18.5	18.2	18.3	8.5	7.3	7.9	5.8	5.3	5.6	2.8	1.3	2.0
29	19.2	18.4	18.8	7.3	6.4	6.8	6.0	5.3	5.7	4.9	2.8	3.5
30	19.0	18.5	18.9	7.7	6.7	7.1	6.7	5.9	6.2	5.8	4.8	5.4
31	18.5	16.4	17.5	---	---	---	8.4	6.7	7.6	6.4	5.8	6.0
MONTH	---	---	---	16.5	6.4	11.4	---	---	---	10.8	0.4	4.8

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.4	6.4	6.9	10.4	9.2	9.9	13.9	11.3	12.7	21.2	19.5	20.3
2	7.7	6.7	7.2	10.9	10.4	10.7	15.7	12.6	14.2	20.7	19.8	20.3
3	8.4	7.2	7.7	10.7	10.0	10.4	17.0	14.1	15.7	19.8	19.2	19.5
4	10.1	8.4	9.3	10.4	9.3	9.9	17.1	15.7	16.4	20.5	18.6	19.5
5	9.6	8.3	9.0	11.2	10.3	10.7	18.7	16.6	17.5	20.0	18.0	18.8
6	8.3	6.8	7.5	12.2	11.2	11.8	17.8	17.1	17.4	18.4	18.0	18.2
7	6.8	5.8	6.3	12.2	11.8	12.0	17.1	16.4	16.7	18.4	18.0	18.2
8	5.8	5.2	5.4	12.4	11.4	11.9	16.4	15.5	16.0	18.7	18.4	18.5
9	5.7	4.9	5.3	13.6	12.1	12.8	15.5	---	---	19.1	18.4	18.7
10	6.2	5.7	6.0	13.2	12.3	12.8	---	11.6	---	20.8	19.1	19.8
11	6.5	5.6	6.1	12.7	11.6	12.2	11.8	11.1	11.4	20.9	20.3	20.8
12	7.0	6.0	6.5	13.1	11.4	12.2	13.5	11.6	12.5	20.3	19.6	20.0
13	7.2	6.0	6.6	14.2	12.5	13.3	15.1	13.1	14.1	20.0	18.7	19.3
14	6.8	6.5	6.6	14.0	13.7	13.9	16.5	14.4	15.4	19.3	18.4	18.7
15	7.6	6.8	7.2	13.9	13.6	13.8	17.6	15.6	16.6	18.5	18.1	18.3
16	9.1	7.6	8.4	14.3	13.2	13.7	18.6	16.8	17.6	19.4	17.9	18.6
17	9.2	8.6	9.1	13.9	13.6	13.7	18.3	17.8	18.0	20.4	19.0	19.6
18	8.6	7.3	7.9	14.3	13.8	14.0	18.9	17.5	18.2	20.2	19.7	19.9
19	7.4	6.7	7.1	14.6	14.2	14.4	19.4	17.6	18.4	19.7	19.4	19.5
20	8.4	7.4	7.9	14.5	14.3	14.4	19.0	18.5	18.7	19.4	19.0	19.2
21	9.4	8.4	8.9	15.0	14.1	14.5	18.7	17.8	18.3	19.0	18.4	18.7
22	11.4	9.4	10.2	15.0	14.3	14.7	18.5	17.7	18.1	19.1	18.1	18.5
23	11.5	11.2	11.4	15.3	13.9	14.6	17.9	16.6	17.3	19.8	19.1	19.4
24	11.2	10.9	11.1	15.9	13.9	14.8	16.9	14.8	15.6	20.5	19.7	20.0
25	10.9	9.3	10.1	16.4	14.4	15.4	15.2	14.5	14.9	20.1	19.1	19.6
26	9.3	7.9	8.5	16.4	15.4	15.9	16.2	14.7	15.4	19.5	18.3	18.9
27	7.9	7.5	7.6	17.1	15.2	16.2	18.0	15.6	16.7	19.8	18.4	19.1
28	9.2	7.5	8.1	17.6	16.2	16.9	19.1	16.7	17.9	20.0	18.4	19.2
29	---	---	---	17.3	15.5	16.6	20.2	17.9	19.0	20.4	18.9	19.6
30	---	---	---	15.5	13.1	14.5	21.2	19.1	20.1	20.7	18.8	19.7
31	---	---	---	13.3	11.8	12.7	---	---	---	21.0	19.4	20.2
MONTH	11.5	4.9	7.9	17.6	9.2	13.4	---	---	---	21.2	17.9	19.3

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.5	19.6	20.6	23.6	21.2	22.5	25.3	22.9	23.7	27.7	25.9	26.9
2	21.1	19.5	20.4	21.5	21.0	21.2	24.6	23.8	24.1	27.6	25.7	26.8
3	20.5	19.9	20.1	22.3	21.3	21.7	24.6	23.7	24.2	27.8	25.9	27.0
4	21.7	19.7	20.6	22.6	22.1	22.3	23.7	23.2	23.3	27.6	26.4	27.0
5	21.9	19.9	20.9	23.1	22.1	22.6	24.1	22.8	23.4	26.8	24.9	26.0
6	21.2	20.2	20.7	23.2	22.5	22.9	23.7	23.0	23.3	26.1	24.3	25.0
7	21.4	20.4	20.9	23.3	22.6	23.0	23.2	22.7	23.0	24.9	23.2	23.8
8	22.5	21.0	21.7	24.1	22.8	23.4	24.2	22.7	23.4	24.1	22.2	23.2
9	23.4	21.5	22.4	25.2	23.4	24.2	24.9	23.2	24.0	24.1	22.3	23.4
10	23.9	21.7	22.8	24.7	23.6	24.2	24.6	23.6	24.1	24.0	22.6	23.5
11	24.5	22.6	23.6	23.6	22.9	23.4	24.8	23.4	24.1	24.6	23.0	23.7
12	24.2	23.1	23.6	23.6	22.7	23.1	24.6	23.3	24.0	24.7	22.7	23.7
13	23.8	23.1	23.4	23.7	22.7	23.1	25.5	23.6	24.5	24.5	22.6	23.6
14	24.6	22.8	23.7	22.7	22.1	22.4	26.0	24.2	25.1	23.7	23.0	23.3
15	25.3	23.5	24.4	23.2	22.3	22.8	26.7	24.7	25.7	24.2	22.7	23.3
16	25.5	23.8	24.6	23.9	22.7	23.3	27.0	25.2	26.1	23.7	21.7	22.9
17	25.5	23.9	24.7	24.5	22.9	23.7	27.2	25.4	26.2	23.6	21.6	22.7
18	24.9	22.4	23.3	25.2	23.4	24.3	26.7	24.5	25.7	23.6	21.8	22.7
19	22.6	22.4	22.4	26.0	24.2	25.0	27.6	25.2	26.5	23.8	21.7	22.6
20	22.8	22.1	22.5	---	---	---	27.8	26.0	27.0	24.3	22.2	23.1
21	23.0	21.4	22.2	---	---	---	28.1	26.0	27.2	23.2	22.5	22.9
22	23.0	21.0	22.0	---	---	---	28.2	26.2	27.4	22.7	21.5	22.2
23	23.8	21.3	22.5	24.9	---	---	28.2	26.1	27.3	21.8	21.0	21.4
24	24.5	22.1	23.3	24.8	22.7	23.8	27.9	25.7	26.9	21.0	20.1	20.7
25	25.3	22.7	24.1	25.1	22.8	23.9	28.1	25.8	27.0	21.3	19.7	20.6
26	25.6	23.4	24.6	25.9	23.2	24.6	28.2	26.0	27.3	22.0	20.0	21.0
27	25.4	23.6	24.3	26.0	24.2	25.2	28.0	26.6	27.4	22.1	20.7	21.4
28	24.6	22.9	23.8	26.9	24.4	25.7	27.9	26.1	27.1	21.6	20.0	20.8
29	25.8	23.3	24.6	26.6	25.0	26.0	28.0	26.3	27.3	20.3	18.2	19.1
30	25.6	23.6	24.4	27.0	25.0	26.0	27.7	26.6	26.9	18.7	16.8	17.9
31	---	---	---	26.8	25.3	26.2	27.6	25.8	26.7	---	---	---
MONTH	25.8	19.5	22.8	---	---	---	28.2	22.7	25.5	27.8	16.8	23.1

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	8.8	8.5	8.7	11.9	11.5	11.7	11.4	10.6	10.9
2	---	---	---	9.5	8.8	9.2	12.3	11.8	12.1	10.6	10.2	10.4
3	7.1	6.7	6.9	9.8	9.5	9.7	12.4	12.1	12.3	10.7	10.2	10.4
4	6.9	6.6	6.7	9.8	9.6	9.7	12.2	11.7	11.9	11.7	10.7	11.2
5	6.8	6.5	6.7	9.7	9.2	9.5	11.7	11.0	11.3	11.9	11.6	11.8
6	6.9	6.6	6.7	9.2	8.8	8.9	11.3	11.0	11.1	12.2	11.9	12.0
7	6.9	6.1	6.5	9.2	8.9	9.0	12.0	11.3	11.7	12.6	12.1	12.4
8	7.0	6.5	6.7	---	---	---	12.5	12.0	12.3	12.9	12.5	12.7
9	7.6	6.8	7.2	---	---	---	---	---	---	12.8	12.3	12.6
10	7.6	7.3	7.4	---	---	---	---	---	---	12.3	11.9	12.0
11	7.7	7.3	7.4	---	---	---	---	---	---	12.5	11.9	12.2
12	7.6	7.0	7.3	---	---	---	11.0	---	---	13.5	12.5	13.0
13	7.7	6.8	7.4	8.7	7.8	8.2	11.1	8.1	10.9	13.9	13.4	13.7
14	8.1	7.2	7.7	9.3	7.7	8.6	10.8	10.6	10.7	14.1	13.7	13.9
15	8.3	7.5	7.8	9.8	---	---	11.3	10.8	11.1	14.0	13.6	13.8
16	8.3	7.8	8.1	9.6	8.9	9.1	11.5	7.3	10.8	13.8	13.4	13.6
17	8.9	7.9	8.4	9.4	8.8	9.0	11.5	11.3	11.4	14.3	13.5	13.9
18	9.4	8.9	9.1	10.4	9.4	9.9	11.4	11.1	11.2	14.8	14.1	14.4
19	9.7	9.2	9.4	10.6	10.3	10.5	11.1	10.3	10.9	15.1	14.4	14.8
20	9.5	9.1	9.2	10.5	10.2	10.4	10.3	9.6	9.8	15.0	14.5	14.7
21	9.1	8.6	8.9	10.3	9.4	9.8	10.4	9.6	10	14.5	13.3	13.8
22	9.1	8.6	8.8	9.5	9.2	9.3	11.2	7.9	10.7	14.1	12.9	13.5
23	9.1	8.6	8.9	10.4	9.5	9.9	11.3	6.9	10.9	14.9	13.3	14.2
24	9.3	8.6	8.9	10.9	10.4	10.7	11.3	10.0	11.1	16.1	14.6	15.4
25	9.3	8.4	8.7	11.0	10.8	10.9	10.8	10.3	10.5	17.0	15.6	16.3
26	9.1	8.5	8.8	11.0	10.7	10.9	10.9	10.5	10.7	16.8	15.5	16.2
27	9.4	8.6	9.0	10.8	10.6	10.7	12.1	9.7	11.3	16.7	15.3	16.1
28	9.5	7.9	8.5	11.4	10.8	11.1	12.5	8.1	11.8	17.7	15.4	16.2
29	8.1	7.1	7.5	11.8	11.4	11.6	12.4	9.0	11.4	16.3	13.1	14.8
30	7.2	6.4	6.7	11.7	11.5	11.6	12.3	6.3	10.9	13.3	12.4	12.8
31	---	---	---	---	---	---	12.0	8.8	11.3	12.7	12.4	12.5
MONTH	---	---	---	---	---	---	---	---	---	17.7	10.2	13.4

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12.7	12.5	12.6	11.8	10.6	11.2	13.9	12.2	13.0	8.4	7.3	7.9
2	13.0	12.4	12.7	11.2	10.8	11.0	14.0	11.7	12.7	7.8	7.3	7.7
3	13.1	12.5	12.8	11.8	11.1	11.4	12.4	10.4	11.3	8.0	7.5	7.9
4	12.6	10.9	11.6	12.1	11.8	12.0	10.4	8.8	9.6	8.4	6.9	8.1
5	11.7	11.1	11.3	11.8	11.4	11.6	9.2	7.2	8.0	8.7	7.5	8.2
6	12.7	11.7	12.3	11.4	10.3	10.7	7.5	6.6	7.2	7.5	7.3	7.4
7	13.1	12.7	12.8	10.7	10.4	10.5	7.7	7.5	7.6	7.3	6.1	6.8
8	13.6	13.1	13.3	11.1	10.2	10.9	8.3	7.7	7.9	6.1	5.7	5.8
9	14.0	13.6	13.9	11.1	10.7	11.0	8.8	8.3	8.5	5.8	5.4	5.6
10	13.8	13.4	13.6	11.2	10.8	10.9	9.6	9.0	9.3	5.5	5.0	5.3
11	13.9	13.4	13.6	11.7	11.0	11.4	10.0	9.6	9.9	5.5	4.7	4.9
12	14.2	13.6	13.9	12.0	11.2	11.7	10.0	9.6	9.8	7.6	5.5	6.9
13	14.5	13.8	14.1	11.7	11.1	11.4	9.7	9.3	9.6	8.2	7.6	8.0
14	14.1	13.5	13.8	11.1	10.4	10.8	9.4	9.1	9.3	8.6	6.7	8.4
15	13.5	12.7	13.2	10.9	10.4	10.7	9.1	8.7	9.0	8.9	8.4	8.7
16	12.7	11.9	12.3	11.4	10.8	11.1	8.8	7.5	8.4	8.9	8.3	8.8
17	12.2	11.6	11.8	11.0	10.7	10.9	8.6	8.4	8.5	8.8	8.0	8.6
18	13.2	12.1	12.7	10.7	10.2	10.5	8.6	7.9	8.4	8.0	7.2	7.4
19	13.9	13.2	13.6	10.3	9.8	10.1	8.4	7.9	8.2	7.5	7.1	7.3
20	13.8	13.4	13.6	9.8	9.6	9.7	---	---	---	8.2	7.1	7.6
21	13.4	12.3	12.8	10.0	9.6	9.8	---	---	---	8.8	8.1	8.6
22	12.3	10.6	11.6	10.3	9.9	10.1	---	---	---	8.7	7.7	8.4
23	10.6	9.6	9.9	10.9	10.3	10.6	---	---	---	7.7	6.2	6.8
24	9.9	9.5	9.7	11.2	10.5	10.9	---	---	---	6.4	6.0	6.2
25	10.3	9.8	10.2	11.1	10.6	10.8	---	---	---	7.7	6.4	6.7
26	12.7	10.2	11.8	10.6	10.2	10.4	9.1	8.8	9.1	8.7	6.6	7.9
27	12.9	12.5	12.7	11.1	9.8	10.5	9.1	8.8	9.0	8.8	7.2	8.7
28	12.6	11.8	12.2	10.6	10.0	10.3	9.0	8.8	8.9	8.9	8.7	8.8
29	---	---	---	10.2	9.4	9.7	8.8	8.6	8.7	8.8	8.6	8.7
30	---	---	---	11.3	9.1	10.5	8.7	8.2	8.5	8.8	8.5	8.7
31	---	---	---	13.3	11.1	12.2	---	---	---	8.6	6.8	8.4
MONTH	14.5	9.5	12.5	13.3	9.1	10.8	---	---	---	8.9	4.7	7.6

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387000 CONASAUGA RIVER AT TILTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 344000 LONGITUDE 0845542 NAD27 DRAINAGE AREA 687.00 CONTRIBUTING DRAINAGE AREA 687 DATUM 622.28 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.6	5.0	7.5	7.6	7.0	7.2	7.9	5.9	6.8	7.5	5.7	6.5
2	8.8	7.5	8.5	7.5	6.7	7.1	6.1	5.3	5.6	7.6	5.7	6.5
3	8.6	8.3	8.5	6.7	6.5	6.6	7.3	5.6	6.3	7.5	5.6	6.5
4	8.6	8.3	8.4	6.8	6.1	6.5	7.3	6.8	7.0	7.0	5.6	6.3
5	8.7	7.9	8.3	7.5	6.2	7.2	7.7	6.8	7.4	6.7	5.6	6.2
6	8.8	8.2	8.5	7.6	7.2	7.5	8.0	7.4	7.7	6.9	5.6	6.3
7	8.4	8.0	8.2	7.6	7.3	7.5	8.4	7.5	8.0	6.9	6.2	6.6
8	8.1	7.2	7.5	7.6	7.3	7.4	8.6	7.8	8.2	8.4	6.5	7.3
9	7.8	5.0	7.1	7.5	7.3	7.4	---	---	---	8.7	6.4	7.8
10	8.0	7.6	7.8	7.5	7.2	7.4	---	---	---	9.9	8.5	9.2
11	7.8	7.3	7.5	7.3	6.7	6.8	8.1	7.3	7.7	8.6	7.2	7.9
12	7.6	6.9	7.3	7.2	6.7	6.9	8.6	7.5	8.1	8.3	7.2	7.7
13	7.7	7.0	7.4	7.6	6.8	7.4	8.8	8.5	8.6	8.5	7.1	7.7
14	7.9	7.4	7.6	7.3	6.1	6.8	8.6	7.4	7.8	7.7	6.6	7.2
15	7.8	7.3	7.6	6.9	6.5	6.6	7.5	6.7	7.1	7.9	6.8	7.3
16	7.8	7.3	7.5	7.4	6.9	7.2	7.6	6.5	7.1	8.2	6.7	7.4
17	7.8	7.3	7.5	7.6	7.2	7.5	7.2	6.5	6.9	8.8	7.0	7.6
18	7.6	7.0	7.3	7.5	7.2	7.4	6.7	5.7	6.2	8.6	7.1	7.6
19	7.0	6.1	6.5	7.5	7.2	7.4	6.8	6.1	6.4	8.5	7.4	7.8
20	7.0	6.4	6.7	---	---	---	7.3	6.3	6.8	9.1	7.3	8.0
21	7.6	6.9	7.4	---	---	---	7.5	6.4	6.9	8.1	7.1	7.6
22	8.0	7.6	7.8	---	---	---	7.8	6.4	7.0	7.6	6.5	7.2
23	8.1	7.5	7.9	7.5	7.3	7.4	7.9	6.1	7.0	6.6	2.8	4.8
24	8.0	7.6	7.8	7.7	7.3	7.5	7.6	5.5	6.6	6.1	0.2	3.1
25	8.0	7.5	7.7	7.9	7.4	7.6	8.0	6.0	6.9	9.7	2.5	8.0
26	8.1	7.3	7.7	8.0	7.3	7.5	8.0	5.9	6.9	9.6	8.5	9.0
27	7.6	7.0	7.4	8.0	7.2	7.5	7.5	5.7	6.6	8.8	8.2	8.5
28	7.3	5.9	7.0	8.0	7.1	7.5	7.6	5.6	6.6	---	---	---
29	7.9	7.1	7.5	7.9	6.8	7.5	7.5	5.8	6.6	---	---	---
30	7.5	6.5	7.2	8.2	6.9	7.6	6.8	5.7	6.3	---	---	---
31	---	---	---	8.4	6.8	7.7	7.2	5.8	6.4	---	---	---
MONTH	8.8	5.0	7.6	---	---	---	---	---	---	---	---	---

MOBILE RIVER BASIN
2003 Water Year

02387010 CONASAUGA RIVER AT SLOAN BRIDGE, BELOW DALTON, GA

LOCATION.—Lat 34°37'45", Long 84°55'02" referenced to North American Datum (NAD) of 1927, Whitfield-Murray County Line, Hydrologic Unit 03150101, 2.7 miles southeast of Tilton, located on downstream right bank pier at Sloan Bridge.

DRAINAGE AREA.—695 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 1937 to current year.

GAGE.—Water-stage recorder. Datum of gage is 622.28 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good. Station is auxiliary gage for 02387000 Conasauga River at Tilton.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 23.53 feet, May 9; minimum gage-height recorded, 0.32 feet, October 25, 26, September 19, 20.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387010 CONASAUGA RIVER AT SLOAN BRIDGE, BELOW DALTON, GA SOURCE AGENCY USGS STATE 13 COUNTY 313
LATITUDE 343745 LONGITUDE 0845502 NAD27 DRAINAGE AREA 695.00 CONTRIBUTING DRAINAGE AREA 695* DATUM 618.95 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

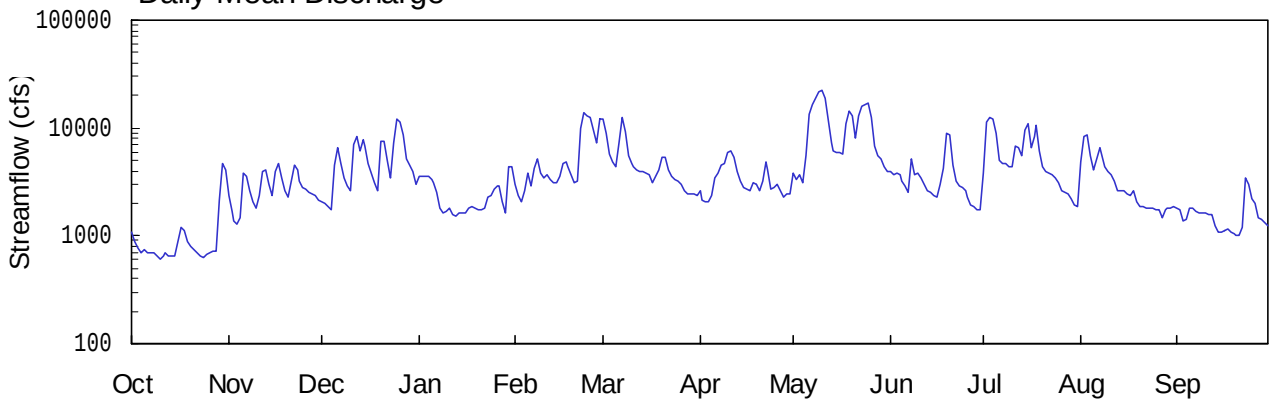
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.34	2.95	1.58	2.85	3.71	13.95	2.16	2.43	2.33	5.96	8.99	0.81
2	1.04	2.04	1.46	2.90	2.90	8.40	2.59	2.74	2.18	14.38	14.15	0.78
3	0.80	1.61	1.28	2.91	2.45	5.42	1.60	2.84	2.20	15.22	11.73	0.60
4	0.68	1.49	1.32	2.88	3.48	4.38	1.69	2.23	2.11	14.96	7.71	0.61
5	0.79	1.86	4.87	2.72	5.45	3.80	2.33	6.99	2.21	7.06	4.10	1.11
6	0.61	4.40	7.95	2.55	3.89	6.61	4.44	15.06	1.79	3.77	4.67	1.16
7	0.87	4.53	4.85	2.36	5.71	10.00	4.76	17.66	1.96	3.71	6.73	0.84
8	0.59	2.95	3.25	2.19	6.70	6.90	6.39	20.16	3.61	3.96	4.68	0.78
9	0.51	2.14	2.61	2.06	4.52	4.45	6.47	23.25	3.10	3.21	2.66	0.66
10	0.45	1.81	2.45	2.12	3.84	3.76	8.73	22.13	2.17	3.43	2.11	0.55
11	0.57	2.47	7.64	2.25	3.78	3.25	8.79	18.34	1.83	8.88	2.08	0.49
12	0.59	5.30	8.72	2.06	3.13	2.97	7.62	10.86	1.91	8.60	1.78	0.45
13	0.60	5.47	6.34	1.95	2.72	2.91	5.25	5.18	1.97	5.65	1.72	0.44
14	0.56	3.64	9.34	1.87	2.56	3.10	3.53	3.79	1.89	10.10	1.78	0.48
15	0.45	2.83	8.17	1.89	3.94	2.46	2.88	3.49	1.81	10.80	1.71	0.58
16	1.07	6.34	5.13	1.59	6.11	2.41	2.53	3.31	1.72	5.39	1.60	0.72
17	1.55	7.18	3.85	1.43	5.65	2.38	2.31	3.37	1.57	4.43	1.66	0.60
18	1.34	4.58	3.13	1.44	4.94	2.91	2.90	10.17	5.15	4.92	2.23	0.39
19	0.97	3.26	2.89	1.34	3.98	3.53	2.73	13.12	12.46	2.12	1.37	0.33
20	0.81	2.74	9.61	1.32	3.44	5.76	2.23	10.51	9.10	1.86	1.13	0.34
21	0.69	3.70	9.79	1.29	3.55	5.69	3.65	5.90	3.76	1.54	1.08	0.35
22	0.52	5.86	5.88	1.39	11.64	3.62	6.16	13.71	2.43	1.73	1.03	1.38
23	0.45	4.93	4.00	1.41	15.81	2.96	3.91	17.57	2.06	2.06	1.11	5.24
24	0.38	3.38	8.65	1.32	17.13	2.75	2.71	19.52	1.78	2.18	1.17	3.74
25	0.34	2.72	13.71	1.15	16.90	2.46	2.96	18.17	1.35	1.65	1.06	1.80
26	0.33	2.28	14.42	1.23	8.63	2.18	2.93	10.29	1.33	1.44	0.80	1.23
27	0.40	2.05	8.64	1.36	9.46	2.17	2.54	4.88	1.38	1.36	0.74	1.03
28	0.61	1.97	4.68	1.36	13.56	2.25	2.15	4.21	1.46	1.33	0.70	1.23
29	2.95	1.83	3.88	1.60	---	1.78	1.91	3.76	1.30	1.28	0.68	1.15
30	7.27	1.68	3.33	5.81	---	1.88	1.65	3.45	1.57	1.23	0.69	0.89
31	5.29	---	2.95	5.80	---	2.01	---	2.49	---	1.10	0.79	---
MEAN	1.14	3.33	5.69	2.14	6.41	4.16	3.75	9.73	2.72	5.01	3.05	1.03
MAX	7.27	7.18	14.42	5.81	17.13	13.95	8.79	23.25	12.46	15.22	14.15	5.24
MIN	0.33	1.49	1.28	1.15	2.45	1.78	1.60	2.23	1.30	1.10	0.68	0.33

2003 Water Year

02387500 OOSTANAULA RIVER AT RESACA, GA

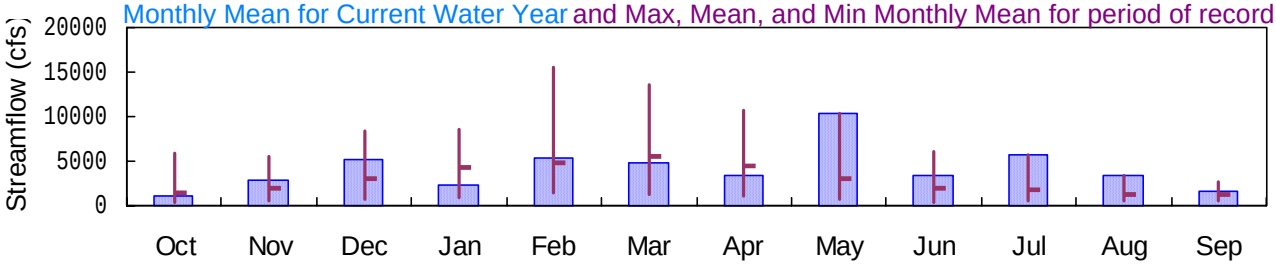
Latitude: 34°34'42" Longitude: 084°56'29" Hydrologic Unit Code: 03150103 Gordon County
Drainage Area: 1602. mi^2 Datum: 604.1 feet

Daily Mean Discharge

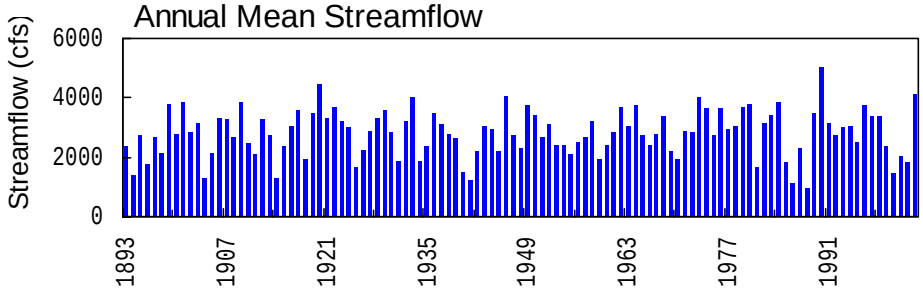


Monthly Statistics

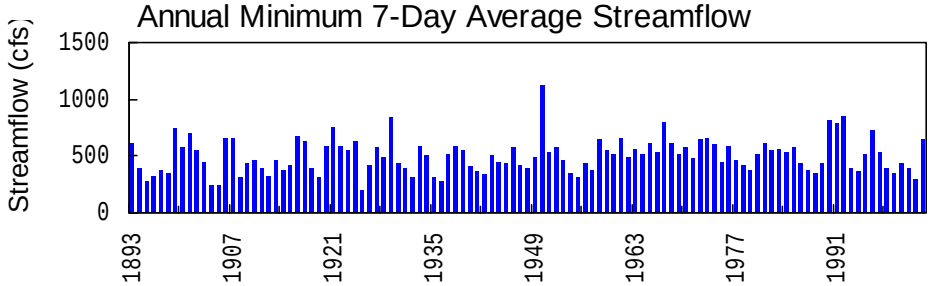
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



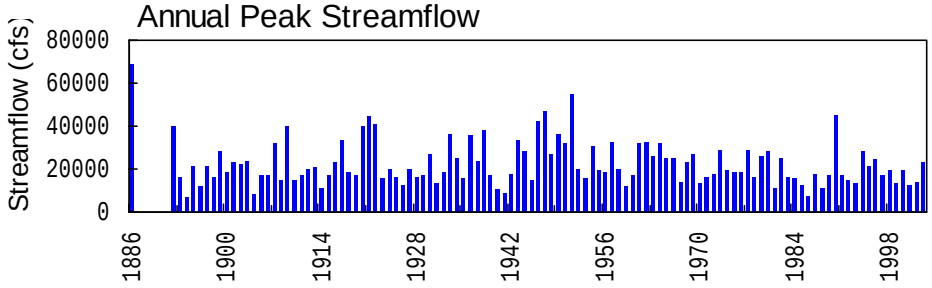
Annual Mean Streamflow

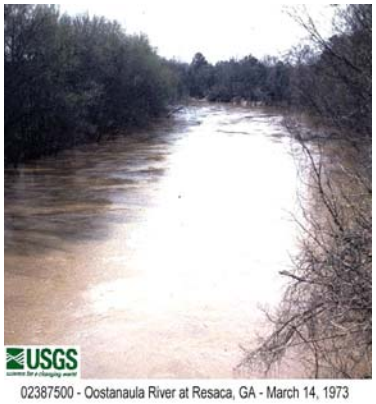


Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow





02387500 - Oostanaula River at Resaca, GA - March 14, 1973

MOBILE RIVER BASIN
2003 Water Year

02387500 OOSTANAULA RIVER AT RESACA, GA

LOCATION.—Lat 34°34'42", long 84°56'29" referenced to North American Datum (NAD) of 1983, Gordon County, Hydrologic Unit 03150103, on downstream side of center pier of bridge on US 41 at Resaca, 200 feet downstream from Nashville, Chattanooga, & St. Louis Railway bridge, 0.8 miles upstream from Camp Creek, and 3.5 miles downstream from confluence of Conasauga and Coosawattee Rivers.

DRAINAGE AREA.—1,600 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1892 to current year. Monthly discharge only for October 1892, published in WSP 1304.

REVISED RECORDS.—WSP 697: 1896-1928. WSP 1504: 1897-1903, 1905-07, 1909, 1912-13, 1914-15(M), 1916-18, 1919(M), 1920-22. 1923(M), 1924, 1927, 1929-30, 1932, 1933(M), 1936(M), 1938(M), 1946- 47(M). WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 604.14 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Corps of Engineers). Since June 1, 1979, an auxiliary water-stage recorder has been located at Calhoun waterworks intake 6.5 miles downstream. From October 28, 1948, to May 31, 1979, a non-recording auxiliary gage was located at GA 136 connector 7.1 miles downstream.

REMARKS.—Records good, except for periods of estimated discharge, which are fair. Flow regulated by Carters Lake and re-regulation dam. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1834, 36.6 feet, April 1, 1886, from information by Georgia Department of Archives; discharge, 68,600 cfs.

02387500 OOSTANAULA RIVER AT RESACA, GA--continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1892 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 604.14 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Corps of Engineers). Since June 1, 1979, an auxiliary water-stage recorder has been located at Calhoun waterworks intake 6.5 miles downstream. From October 28, 1948, to May 31, 1979, a non-recording auxiliary gage was located at GA 136 connector 7.1 miles downstream.

REMARKS.—Records good. Gage-height records collected at same site since 1892 are contained in reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 26.19 feet, May 10; minimum gage-height recorded, 2.20 feet, October 24.

PRECIPITATION RECORDS

PERIOD OF RECORD.—June 1, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387500 OOSTANAULA RIVER AT RESACA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 129
LATITUDE 343442 LONGITUDE 0845629 NAD83 DRAINAGE AREA 1602.00 CONTRIBUTING DRAINAGE AREA 1602* DATUM 604.14 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1090	2330	2060	3530	3020	12100	2630	3860	3940	3770	4860	1780
2	e870	1700	2010	3590	2400	8890	2120	3370	3730	11500	8370	1770
3	e778	1400	1850	3620	2090	5720	2040	3730	3760	12400	8680	1350
4	e701	1290	1760	3530	2660	4770	2040	3060	3650	12000	5540	1400
5	e749	1470	4570	3350	3770	4370	2350	5500	3230	8890	4030	1780
6	e700	3810	6630	3150	2950	7400	3500	13600	2860	5070	5230	1820
7	e706	3610	4620	2560	4170	12500	3880	16400	2570	4680	6570	1700
8	e694	2620	3420	1800	5100	9350	4580	19100	5130	4730	5660	1620
9	e642	2040	2940	1640	3880	5510	4720	21300	3630	4330	4430	1610
10	613	1780	2580	1700	3400	4670	5950	22100	3780	4300	3910	1620
11	644	2380	7010	1770	3740	4350	6110	18700	3500	6790	3720	1590
12	698	3920	8350	1580	3380	4040	5350	11800	2970	6500	3200	1560
13	651	4030	6130	1510	3110	3890	3920	7190	2590	5620	2630	1230
14	654	3010	7880	1610	3070	3900	3220	6090	2530	9480	2640	1070
15	642	2390	6850	1620	3530	3810	2850	5890	2340	11000	2600	1070
16	889	3920	4710	1630	4750	3650	2710	5860	2250	6530	2470	1100
17	1190	4760	3770	1820	4830	3060	2610	5830	2980	8480	2340	e1150
18	1110	3410	3100	1840	4340	3540	3080	11000	4290	10500	2610	e1100
19	878	2580	2620	1790	3650	4050	3030	14400	8940	6100	2030	e1050
20	788	2310	7650	1750	3130	5300	2620	12900	8560	4360	1850	e1020
21	753	3160	7520	1760	3190	5410	3220	8170	4580	4010	1860	e1000
22	707	4530	4930	1810	10000	4100	4890	12900	3250	3840	1790	e1200
23	650	4150	3420	2290	13800	3600	4020	15700	2930	3640	1780	3430
24	627	3260	7270	2340	13000	3310	2760	16600	2770	3430	1810	2980
25	683	2760	12100	2760	12700	3180	2770	16800	2650	3110	1770	2200
26	697	2700	11500	2860	9420	3000	3010	12700	2290	2650	1720	2010
27	711	2530	8490	2880	e7320	2580	2650	6780	1950	2500	1470	1470
28	716	2460	5260	2060	e12000	2460	2320	5510	1850	2450	1760	1400
29	2120	2400	4550	1610	---	2430	2440	5100	1730	2250	1810	1330
30	4610	2150	3970	4370	---	2430	2470	4350	1760	1920	1820	1230
31	4080	---	2970	4420	---	2400	---	3990	---	1850	1870	---
TOTAL	32041	84860	162490	74550	152400	149770	99860	320280	102990	178680	102830	46640
MEAN	1034	2829	5242	2405	5443	4831	3329	10330	3433	5764	3317	1555
MAX	4610	4760	12100	4420	13800	12500	6110	22100	8940	12400	8680	3430
MIN	613	1290	1760	1510	2090	2400	2040	3060	1730	1850	1470	1000
CFSM	0.65	1.77	3.27	1.50	3.40	3.02	2.08	6.45	2.14	3.60	2.07	0.97
IN.	0.74	1.97	3.77	1.73	3.54	3.48	2.32	7.44	2.39	4.15	2.39	1.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2003, BY WATER YEAR (WY)

MEAN	1369	2015	2947	4320	4789	5594	4426	3049	2026	1745	1253	1165
MAX	5843	5560	8388	8517	15450	13530	10630	10330	6110	5764	3317	2732
(WY)	1990	1978	1983	1982	1990	1980	1977	2003	1989	2003	2003	1975
MIN	396	462	629	830	1435	1314	1060	751	397	452	511	449
(WY)	1979	1988	1988	1981	2000	1988	1986	1988	1988	1988	1986	1993

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1975 - 2003	
ANNUAL TOTAL	855334		1507391			
ANNUAL MEAN	2343		4130		2882	
HIGHEST ANNUAL MEAN					5056	1990
LOWEST ANNUAL MEAN					978	1988
HIGHEST DAILY MEAN	14100	Jan 26	22100	May 10	44400	Feb 18 1990
LOWEST DAILY MEAN	280	Aug 15	613	Oct 10	280	Aug 15 2002
ANNUAL SEVEN-DAY MINIMUM	292	Aug 9	649	Oct 9	292	Aug 9 2002
MAXIMUM PEAK FLOW			22700	May 10	45500	Feb 18 1990
MAXIMUM PEAK STAGE			26.19	May 10	32.59	Feb 18 1990
ANNUAL RUNOFF (CFSM)	1.46		2.58		1.80	
ANNUAL RUNOFF (INCHES)	19.86		35.00		24.45	
10 PERCENT EXCEEDS	4830		8610		6410	
50 PERCENT EXCEEDS	1550		3110		1780	
90 PERCENT EXCEEDS	606		1200		588	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387500 OOSTANAULA RIVER AT RESACA, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 129
LATITUDE 343442 LONGITUDE 0845629 NAD83 DRAINAGE AREA 1602.00 CONTRIBUTING DRAINAGE AREA 1602* DATUM 604.14 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	5.53	5.09	7.35	6.60	16.76	5.98	7.73	7.92	7.51	8.95	4.60
2	---	4.46	5.00	7.43	5.65	13.58	5.18	7.06	7.62	16.40	13.24	4.58
3	---	3.90	4.72	7.47	5.14	10.10	5.04	7.56	7.67	17.31	13.56	3.82
4	---	3.70	4.56	7.34	6.02	8.93	5.04	6.62	7.51	16.91	9.98	3.90
5	---	4.02	8.64	7.08	7.67	8.42	5.53	9.51	6.90	13.72	8.02	4.60
6	---	7.71	11.29	6.80	6.49	11.94	7.24	18.47	6.37	9.40	9.57	4.66
7	---	7.45	8.81	5.90	8.21	17.21	7.76	21.87	5.92	8.90	11.22	4.46
8	---	5.98	7.18	4.64	9.44	14.23	8.68	23.92	9.45	8.97	10.13	4.32
9	---	5.05	6.48	4.35	7.82	9.84	8.87	25.23	7.48	8.44	8.58	4.29
10	2.24	4.60	5.92	4.46	7.16	8.80	10.38	26.01	7.70	8.40	7.88	4.31
11	2.31	5.59	11.68	4.59	7.65	8.39	10.57	24.37	7.30	11.48	7.61	4.26
12	2.45	7.88	13.21	4.25	7.13	7.98	9.65	18.90	6.52	11.13	6.87	4.20
13	2.33	8.04	10.70	4.11	6.73	7.78	7.82	12.27	5.95	10.09	6.01	3.57
14	2.34	6.58	12.71	4.30	6.67	7.80	6.85	10.61	5.86	14.39	6.02	3.27
15	2.31	5.63	11.54	4.32	7.34	7.68	6.31	10.42	5.55	15.95	5.97	3.26
16	2.88	7.87	8.94	4.33	8.99	7.46	6.10	10.38	5.40	11.14	5.75	3.34
17	3.51	9.00	7.68	4.67	9.10	6.61	5.95	10.33	6.54	13.30	5.55	---
18	3.34	7.16	6.72	4.71	8.46	7.30	6.65	15.87	8.34	15.43	5.97	---
19	2.86	5.93	5.98	4.62	7.51	7.99	6.57	19.23	13.83	10.62	5.04	---
20	2.66	5.50	12.40	4.54	6.76	9.58	5.96	18.34	13.42	8.49	4.72	---
21	2.58	6.78	12.30	4.57	6.85	9.72	6.80	13.16	8.75	8.01	4.75	---
22	2.47	8.70	9.20	4.65	14.68	8.06	9.08	17.98	6.94	7.78	4.62	---
23	2.33	8.20	7.19	5.47	18.79	7.39	7.95	20.88	6.47	7.50	4.60	7.20
24	2.27	6.95	11.78	5.55	17.96	6.98	6.16	21.58	6.22	7.19	4.65	6.52
25	2.41	6.21	17.11	6.20	17.38	6.79	6.19	21.83	6.04	6.73	4.59	5.32
26	2.44	6.12	16.57	6.36	14.15	6.53	6.54	18.62	5.46	6.04	4.50	4.99
27	2.48	5.85	13.32	6.38	---	5.90	6.00	11.60	4.90	5.80	4.03	4.03
28	2.49	5.73	9.63	5.08	---	5.72	5.49	9.96	4.72	5.73	4.56	3.91
29	5.08	5.65	8.73	4.27	---	5.67	5.69	9.44	4.51	5.40	4.66	3.78
30	8.80	5.23	7.95	8.47	---	5.67	5.73	8.47	4.56	4.85	4.67	3.58
31	8.08	---	6.53	8.56	---	5.62	---	7.98	---	4.72	4.75	---
MEAN	---	6.23	9.34	5.57	---	8.79	6.93	15.04	7.06	9.93	6.81	---
MAX	---	9.00	17.11	8.56	---	17.21	10.57	26.01	13.83	17.31	13.56	---
MIN	---	3.70	4.56	4.11	---	5.62	5.04	6.62	4.51	4.72	4.03	---

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LATITUDE 343442 LONGITUDE 0845629 NAD83 DRAINAGE AREA 1602.00 CONTRIBUTING DRAINAGE AREA 1602* DATUM 604.14 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.02	0.00	3.03	0.11	0.00
2	0.00	0.00	0.02	0.13	0.00	0.00	0.00	0.28	0.02	0.75	0.19	0.00
3	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.41	0.31	0.00	0.19	0.27
4	---	0.07	0.98	0.00	0.65	0.01	0.00	0.00	0.14	0.33	0.10	---
5	---	1.17	0.35	0.00	0.00	0.40	1.13	2.51	0.00	0.00	1.59	---
6	---	0.04	0.00	0.00	0.67	0.79	0.02	1.07	0.25	0.44	2.43	0.00
7	---	0.00	0.00	0.00	0.04	0.00	0.70	1.50	0.64	0.41	0.01	0.05
8	---	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.01
9	---	0.00	0.00	0.16	0.05	0.00	0.41	0.00	0.00	0.01	0.00	0.00
10	---	0.10	1.32	0.01	0.20	0.00	0.15	0.00	0.01	0.45	0.05	0.00
11	---	0.86	0.04	0.00	0.00	0.00	0.00	0.36	0.26	0.19	0.00	0.00
12	0.00	0.26	0.00	0.00	0.01	0.00	0.00	0.00	0.62	0.82	0.00	0.00
13	0.01	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.01	0.42	0.04	0.00
14	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.07	0.00	0.01	0.03	0.02
15	0.74	0.77	0.00	0.00	0.00	0.13	0.00	0.73	0.00	0.01	0.00	0.00
16	0.01	0.15	0.00	0.08	0.55	0.00	0.00	0.00	0.15	0.16	0.00	0.00
17	0.00	0.00	0.00	0.02	0.00	0.50	0.19	0.32	0.26	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.95	1.15	0.00	0.00	0.00
19	0.00	0.06	1.57	0.00	0.01	0.52	0.00	0.12	1.71	0.01	0.11	0.00
20	0.09	0.58	0.00	0.00	0.02	0.33	0.00	0.15	0.03	---	0.05	0.00
21	0.00	0.44	0.00	0.18	1.02	0.00	1.02	1.20	0.00	---	0.00	0.00
22	0.00	0.00	0.08	0.00	1.66	0.00	0.00	1.96	0.00	0.60	0.00	2.38
23	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01
24	0.00	0.00	1.80	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00	0.00
25	0.02	0.00	0.00	0.00	0.01	0.00	0.45	0.08	0.00	0.00	0.00	0.00
26	0.00	0.08	0.00	0.00	0.55	0.00	0.00	0.01	0.00	0.00	0.00	0.00
27	0.01	0.00	0.00	0.00	0.84	0.00	0.00	0.00	0.01	0.47	0.00	0.18
28	0.74	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.06	0.00	0.00
29	0.32	0.00	0.00	1.09	---	0.11	0.00	0.00	0.00	0.00	0.00	0.00
30	0.13	0.00	0.00	0.01	---	0.01	0.58	0.00	0.93	0.00	0.06	0.00
31	0.00	---	0.07	0.00	---	0.00	---	0.00	---	0.08	0.00	---
TOTAL	---	4.88	7.25	1.83	6.62	2.84	5.40	11.75	6.50	---	4.96	---

MOBILE RIVER BASIN
2003 Water Year

02387520 OOSTANAULA RIVER AT CALHOUN, GA

LOCATION.—Lat 34°31'08", long 84°57'16" referenced to North American Datum (NAD) of 1983, Gordon County, Hydrologic Unit 03150103, 6.5 miles downstream of base gage, 5.5 miles below confluence of Coosawattee River and Conasauga River.

DRAINAGE AREA.—1,624 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1892 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 604.14 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.—Records good. Station is auxiliary gage for 02387500 Oostanaula River at Resaca.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 27.72 feet, May 10; minimum gage-height recorded, 3.06 feet, October 24.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 15, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387520 OOSTANAULA RIVER AT CALHOUN, GA SOURCE AGENCY USGS STATE 13 COUNTY 129
LATITUDE 343108 LONGITUDE 0845716 NAD83 DRAINAGE AREA 1624.00 CONTRIBUTING DRAINAGE AREA 1624* DATUM 620.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.20	6.62	5.88	8.38	7.75	19.00	6.75	8.50	8.85	8.18	9.22	5.32
2	3.71	5.36	5.79	8.57	6.57	16.10	6.00	8.01	8.51	18.45	14.60	5.31
3	3.49	4.75	5.52	8.61	6.00	11.88	5.78	8.48	8.54	19.44	15.38	4.66
4	3.32	4.51	5.33	8.46	6.76	10.40	5.78	7.55	8.38	18.80	11.61	4.62
5	3.38	4.80	9.45	8.14	8.77	9.60	6.16	10.29	7.76	16.20	9.20	5.33
6	3.32	8.71	13.10	7.83	7.61	13.80	7.98	20.63	7.15	10.93	11.00	5.38
7	3.34	8.85	10.49	6.92	9.23	19.54	8.68	24.47	6.70	10.12	12.85	5.20
8	3.33	7.05	8.33	5.57	10.95	17.07	9.74	25.95	10.49	10.14	11.70	5.06
9	3.18	5.96	7.46	5.16	9.20	11.66	9.95	26.80	8.56	9.58	9.80	5.01
10	3.09	5.43	6.83	5.24	8.21	10.16	11.64	27.62	8.59	9.26	8.93	5.03
11	3.14	6.39	13.10	5.41	8.76	9.60	12.03	26.91	8.18	12.65	8.61	4.99
12	3.29	8.93	15.43	5.07	8.22	9.10	11.10	---	7.34	12.76	7.80	4.95
13	3.18	9.37	12.78	4.91	7.71	8.84	9.00	15.48	6.70	12.09	6.89	4.39
14	3.18	7.74	14.77	5.05	7.59	8.81	7.80	12.18	6.58	15.91	6.77	4.03
15	3.18	6.58	13.64	5.10	8.21	8.69	7.13	11.89	6.25	18.13	6.73	4.02
16	3.61	8.76	10.63	5.10	10.22	8.44	6.91	11.88	6.05	13.40	6.51	4.08
17	4.28	10.43	8.96	5.42	10.61	7.66	6.69	11.60	7.14	14.31	6.30	4.13
18	4.20	8.50	7.83	5.50	9.80	8.17	7.39	17.32	8.95	17.26	6.71	4.19
19	3.72	6.93	6.94	5.40	8.71	9.05	7.45	21.20	15.11	12.71	5.86	3.97
20	3.51	6.39	14.20	5.30	7.78	10.80	6.75	20.98	15.64	9.64	5.43	3.97
21	3.41	7.63	14.62	5.34	7.78	11.31	7.45	15.95	10.40	9.08	5.49	3.94
22	3.32	10.04	11.13	5.40	16.48	9.32	10.20	20.15	7.88	8.81	5.37	4.35
23	3.20	9.54	8.43	6.17	21.20	8.42	9.14	23.07	7.28	8.55	5.31	7.86
24	3.10	8.11	13.21	6.35	20.40	7.95	7.14	23.51	6.98	8.15	5.39	7.56
25	3.23	7.17	19.46	6.92	19.54	7.69	6.96	23.82	6.78	7.65	5.29	6.14
26	3.27	7.00	19.07	7.19	16.82	7.43	7.45	21.70	6.25	6.89	5.28	5.75
27	3.30	6.74	15.95	7.25	15.33	6.75	6.87	14.20	5.66	6.58	4.79	4.92
28	3.32	6.56	11.44	6.07	18.80	6.52	6.26	11.37	5.41	6.52	5.23	4.62
29	5.56	6.48	10.18	5.04	---	6.44	6.41	10.71	5.21	6.22	5.40	4.56
30	9.98	6.07	9.32	9.39	---	6.45	6.44	9.63	5.14	5.66	5.39	4.36
31	9.73	---	7.60	10.06	---	6.37	---	8.95	---	5.48	5.48	---
MEAN	3.91	7.25	10.87	6.46	10.89	10.10	7.83	---	7.95	11.28	7.75	4.92
MAX	9.98	10.43	19.46	10.06	21.20	19.54	12.03	---	15.64	19.44	15.38	7.86
MIN	3.09	4.51	5.33	4.91	6.00	6.37	5.78	---	5.14	5.48	4.79	3.94

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02387520 OOSTANAULA RIVER AT CALHOUN, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 129
LATITUDE 343108 LONGITUDE 0845716 NAD83 DRAINAGE AREA 1624.00 CONTRIBUTING DRAINAGE AREA 1624* DATUM 620.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.14	0.00	3.16	0.21	0.00
2	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.51	0.03	0.14	0.09	0.00
3	0.00	0.27	0.03	0.01	0.00	0.00	0.00	0.08	0.33	0.00	0.16	1.19
4	0.30	0.06	1.15	0.00	0.48	0.01	0.00	0.00	0.01	0.32	0.19	0.21
5	0.00	1.25	0.34	0.00	0.00	0.03	0.28	2.30	0.00	0.03	0.51	0.00
6	0.10	0.00	0.00	0.00	0.76	1.4	0.00	1.31	0.30	0.20	2.44	0.00
7	0.13	0.00	0.00	0.00	0.06	0.00	0.82	0.94	1.74	0.19	0.23	0.03
8	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00
9	0.04	0.00	0.00	0.20	0.07	0.00	0.38	0.00	0.00	0.00	0.00	0.00
10	0.21	0.08	1.42	0.01	0.17	0.00	0.14	0.00	0.00	0.24	0.13	0.00
11	0.04	1.15	0.02	0.00	0.00	0.00	0.00	0.47	0.01	0.19	0.00	0.00
12	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.25	1.44	0.00	0.00
13	0.00	0.01	0.95	0.00	0.00	0.00	0.00	0.00	0.04	1.50	0.04	0.00
14	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.01	0.00	0.02	0.01	0.03
15	0.77	0.84	0.00	0.00	0.00	0.12	0.00	0.19	0.00	0.00	0.00	0.00
16	0.01	0.07	0.00	0.16	0.89	0.00	0.00	0.00	0.18	0.00	0.00	0.00
17	0.00	0.00	0.00	0.01	0.00	0.61	0.50	0.14	0.73	0.00	0.00	0.00
18	0.01	0.00	0.00	0.00	0.00	0.06	0.04	0.95	0.87	0.00	0.00	0.00
19	0.00	0.10	1.66	0.00	0.00	0.47	0.00	0.16	0.22	0.00	0.03	0.00
20	0.10	0.56	0.01	0.00	0.02	0.45	0.00	0.08	0.00	0.00	0.07	0.00
21	0.01	0.43	0.00	0.20	1.15	0.00	0.84	1.73	0.00	0.04	0.00	0.01
22	0.00	0.00	0.10	0.01	1.77	0.00	0.00	1.39	0.00	0.42	0.00	2.58
23	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	1.76	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.00
25	0.03	0.00	0.01	0.00	0.00	0.00	0.46	0.18	0.00	0.00	0.00	0.00
26	0.00	0.06	0.00	0.00	0.63	0.00	0.00	0.01	0.00	0.00	0.00	0.00
27	0.01	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00	0.53	0.00	0.14
28	0.42	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.75	0.00	0.01	1.46	---	0.04	0.00	0.00	0.00	0.00	0.00	0.00
30	0.17	0.00	0.00	0.01	---	0.02	0.58	0.00	0.43	0.00	0.01	0.00
31	0.00	---	0.05	0.00	---	0.00	---	0.00	---	0.45	0.00	---
TOTAL	3.10	5.07	7.53	2.51	7.40	3.21	4.74	10.59	5.14	8.87	4.12	4.19

MOBILE RIVER BASIN
2003 Water Year

02388010 ARMUCHEE CREEK ABOVE REGAL SPRING, NEAR ARMUCHEE, GA

LOCATION.—Lat 34°29'16", long 85°10'31" referenced to North American Datum (NAD) of 1927, Chattooga County, Hydrologic Unit 03150103, 0.30 miles downstream of the confluence of East and West Armuchee Creeks, 0.10 miles upstream of Regal Spring, 2.7 miles north of Dry Creek Road, 8.3 miles north of GA 156.

DRAINAGE AREA.—99.5 square miles.

COOPERATION.—Chattooga County Commission.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—February 12, 2002 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage 660.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 1, effective October 1, 2003 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/09/02	4.69	69.7
12/03/02	4.65	59.6
03/10/03	5.45	229
04/14/03	5.05	143
06/23/03	4.59	54.2
08/11/03	4.91	96.3

MOBILE RIVER BASIN
2003 Water Year

02388011 REGAL SPRING NEAR ARMUCHEE, GA

LOCATION.—Lat 34°29'13", long 85°10'29" referenced to North American Datum (NAD) of 1927, Chattooga County, Hydrologic Unit 03150103, 0.30 miles downstream of the confluence of East and West Armuchee Creeks, 2.7 miles north of Dry Creek Road, 8.3 miles north of GA 156.

DRAINAGE AREA.—Indeterminant.

COOPERATION.—Chattooga County Commission.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—February 12, 2002 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage 650.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 1, effective October 1, 2002 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/09/02	2.90	19.6
12/03/02	2.85	21.5
03/10/03	3.62	24.9
04/04/03	3.24	22.6
06/23/03	2.79	22.9
08/11/03	3.10	22.3

02388012 ARMUCHEE CREEK BELOW REGAL SPRING, NEAR ARMUCHEE, GA

LOCATION.—Lat 34°29'10", long 85°10'32" referenced to North American Datum (NAD) of 1927, Chattooga County, Hydrologic Unit 03150103, 0.40 miles downstream of the confluence of East and West Armuchee Creeks, 0.10 miles downstream of Regal Spring, 2.7 miles north of Dry Creek Road, 8.3 miles north of GA 156.

DRAINAGE AREA.—99.5 square miles.

COOPERATION.—Chattooga County Commission.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—February 12, 2002 to current year.

GAGE.--Standard USGS vertical staff gage. Datum of gage 660.00 feet (revised) above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 1, effective October 1, 2002 to current year.

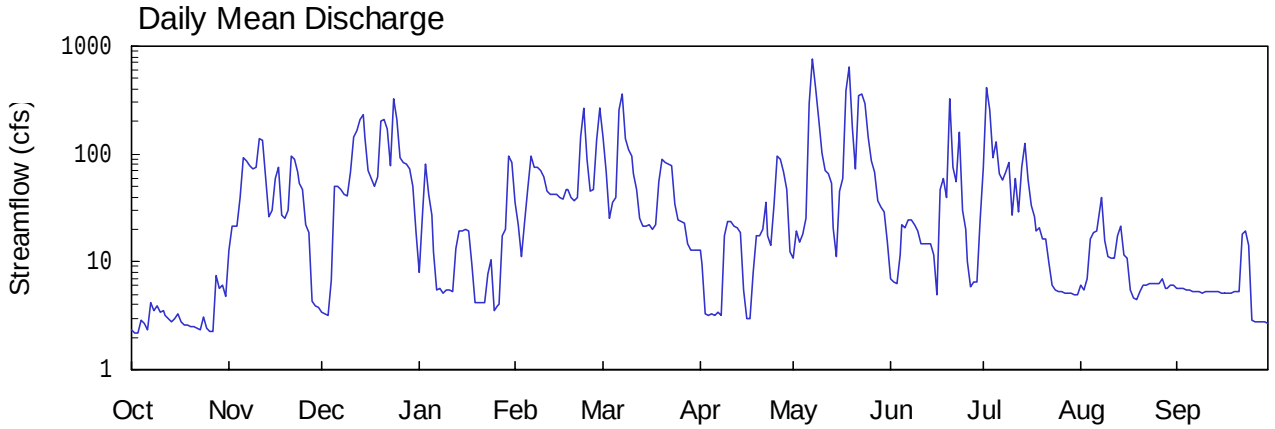
REMARKS.—Records good. Measurements for the current water year are as follows:

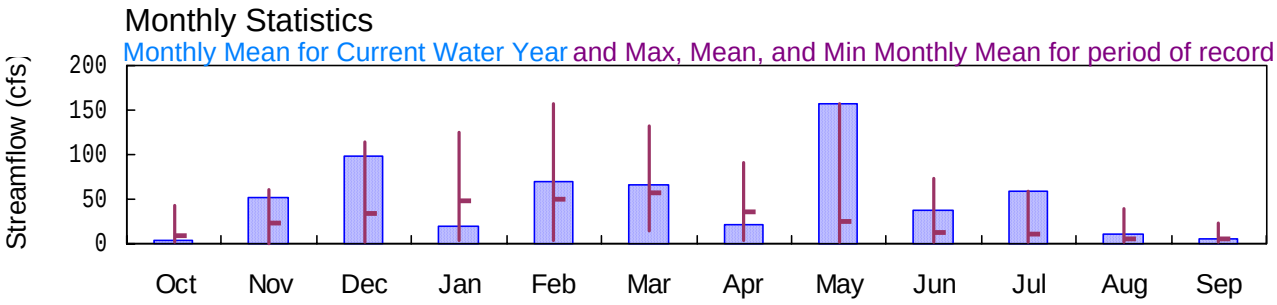
DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/09/02	1.07	87.9
12/03/02	1.02	84.9
03/10/03	1.81	249
04/14/03	1.41	167
06/23/03	0.95	80.0
08/11/03	1.26	133

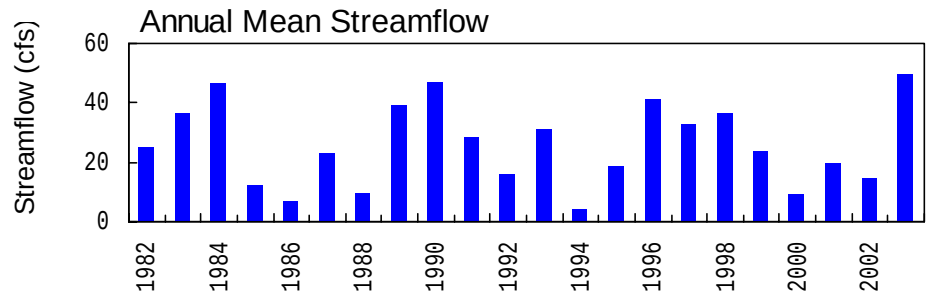
2003 Water Year

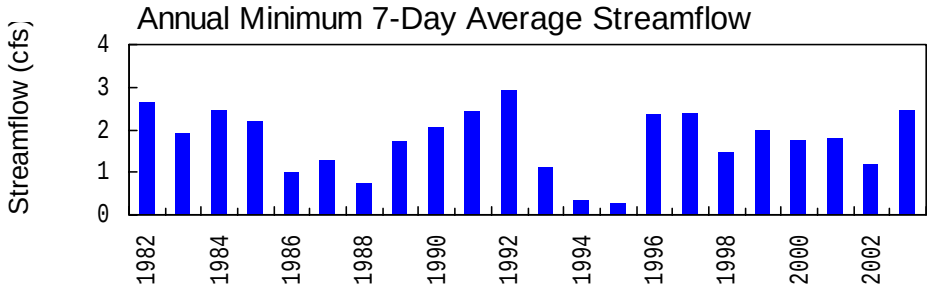
02388320 HEATH CREEK NEAR ARMUCHEE, GA

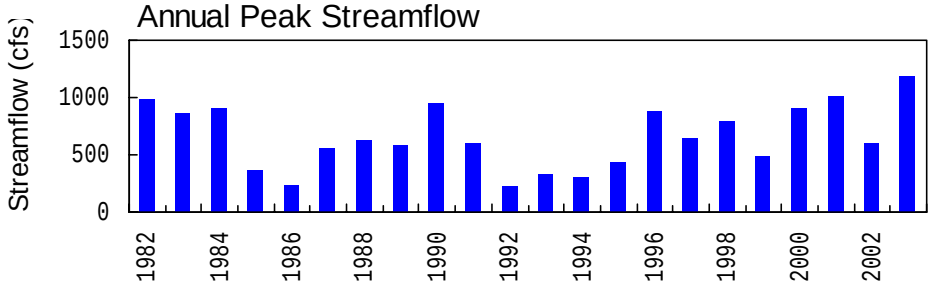
Latitude: 34°22'18" Longitude: 085°15'50" Hydrologic Unit Code: 03150103 Floyd County
Drainage Area: 16.6 mi² Datum: 637.0 feet











MOBILE RIVER BASIN
2003 Water Year

02388320 HEATH CREEK NEAR ARMUCHEE, GA

LOCATION.—Lat 34°22'18", long 85°15'50" referenced to North American Datum (NAD) of 1983, Floyd County, Hydrologic Unit 03150103, on right bank, 3.4 miles upstream from Little Armuchee Creek, 5.2 miles west of Armuchee, and 9.7 miles northwest of Rome.

DRAINAGE AREA.—16.6 square miles.

COOPERATION.—Oglethorpe Power Corporation.

WATER DISCHARGE RECORDS

PERIOD OF RECORD.—March 1982 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 637.01 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Power Company).

REMARKS.—Records fair. Peak flow regulated by Oglethorpe Power Corporation since November 1991.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 1982 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 637.01 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Power Company).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 8.66 feet, May 6; minimum gage-height recorded, 1.24 feet, October 2-4.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02388320 HEATH CREEK NEAR ARMUCHEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 342218 LONGITUDE 0851550 NAD83 DRAINAGE AREA 16.60 CONTRIBUTING DRAINAGE AREA 16.60* DATUM 637.01 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	13	3.4	8.0	36	146	13	11	7.0	77	6.1	5.7
2	2.2	21	3.3	27	22	68	9.3	19	6.6	410	5.6	5.6
3	2.2	21	3.2	80	11	25	3.3	15	6.4	260	6.9	5.6
4	2.9	21	6.7	42	23	36	3.2	18	11	91	16	5.5
5	2.7	39	51	27	49	39	3.2	26	22	130	18	5.4
6	2.4	92	50	13	94	259	3.2	291	21	66	19	5.2
7	4.1	85	47	5.5	76	355	3.4	759	24	57	32	5.2
8	3.5	79	42	5.6	74	141	3.2	411	25	67	40	5.3
9	3.9	74	41	5.2	69	110	18	207	22	82	16	5.2
10	3.4	75	69	5.5	62	96	23	103	19	27	11	5.2
11	3.5	137	146	5.4	45	66	24	71	14	59	11	5.2
12	3.2	134	165	5.3	42	47	22	67	15	29	11	5.3
13	3.0	59	212	13	e42	25	21	53	15	76	17	5.3
14	2.8	27	231	19	42	21	18	21	14	125	21	5.2
15	3.0	30	144	20	39	21	5.4	11	12	58	12	5.2
16	3.3	59	71	20	38	22	3.0	45	5.0	33	11	5.2
17	2.8	76	60	20	46	20	2.9	59	47	26	5.5	5.1
18	2.6	27	51	9.4	46	22	7.8	382	60	19	4.7	5.1
19	2.6	25	62	4.2	39	e55	17	632	40	20	4.4	5.3
20	2.5	30	204	4.2	37	e90	17	179	e330	16	5.4	5.3
21	2.5	95	207	4.2	40	82	20	72	e75	16	6.1	5.3
22	2.4	88	169	4.1	e146	81	36	352	e55	9.7	6.2	18
23	2.3	68	78	7.8	e268	78	17	364	e160	6.0	6.3	19
24	3.1	54	321	10	e90	35	14	297	e30	5.6	6.2	14
25	2.4	46	212	3.5	e45	25	33	146	e20	5.4	6.3	2.8
26	2.3	22	93	3.9	e47	24	97	85	10	5.2	6.3	2.7
27	2.3	19	85	4.0	e136	23	90	69	6.0	5.1	6.9	2.7
28	7.3	4.3	80	17	265	15	68	36	6.6	5.1	5.7	2.7
29	5.6	3.9	73	20	---	13	47	32	6.6	5.1	5.7	2.7
30	6.1	3.7	49	95	---	13	13	29	24	5.0	6.1	2.7
31	4.9	---	19	82	---	13	---	15	---	4.9	6.1	---
TOTAL	100.1	1527.9	3048.6	590.8	1969	2066	655.9	4877	1109.2	1801.1	341.5	178.7
MEAN	3.23	50.9	98.3	19.1	70.3	66.6	21.9	157	37.0	58.1	11.0	5.96
MAX	7.3	137	321	95	268	355	97	759	330	410	40	19
MIN	2.2	3.7	3.2	3.5	11	13	2.9	11	5.0	4.9	4.4	2.7
CFSM	0.19	3.07	5.92	1.15	4.24	4.01	1.32	9.48	2.23	3.50	0.66	0.36
IN.	0.22	3.42	6.83	1.32	4.41	4.63	1.47	10.93	2.49	4.04	0.77	0.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2003, BY WATER YEAR (WY)

MEAN	8.59	22.5	33.1	47.7	50.4	56.3	36.1	25.5	12.1	10.8	6.12	5.24
MAX	42.5	60.9	115	125	157	132	91.3	157	73.3	58.1	39.1	23.7
(WY)	1998	1990	1984	1996	1990	1990	1998	2003	1989	2003	1984	1989
MIN	0.93	0.73	1.31	3.49	3.62	14.0	2.72	1.78	1.39	1.52	1.26	1.24
(WY)	1994	1994	1994	2000	2000	1994	1995	1995	1988	1988	1988	1993

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1982 - 2003	
ANNUAL TOTAL	9530.3		18265.8			
ANNUAL MEAN	26.1		50.0		26.0	
HIGHEST ANNUAL MEAN					50.0	2003
LOWEST ANNUAL MEAN					4.36	1994
HIGHEST DAILY MEAN	432	Jan 25	759	May 7	762	Feb 16 1990
LOWEST DAILY MEAN	1.1	Aug 14	2.2	Oct 2	0.19	Nov 4 1994
ANNUAL SEVEN-DAY MINIMUM	1.2	Sep 5	2.5	Oct 21	0.27	Nov 3 1994
MAXIMUM PEAK FLOW			1180	May 6	1180	May 6 2003
MAXIMUM PEAK STAGE			8.66	May 6	8.66	May 6 2003
ANNUAL RUNOFF (CFSM)	1.57		3.01		1.57	
ANNUAL RUNOFF (INCHES)	21.36		40.93		21.28	
10 PERCENT EXCEEDS	78		127		62	
50 PERCENT EXCEEDS	3.3		20		6.4	
90 PERCENT EXCEEDS	1.6		3.3		2.0	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02388320 HEATH CREEK NEAR ARMUCHEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 342218 LONGITUDE 0851550 NAD83 DRAINAGE AREA 16.60 CONTRIBUTING DRAINAGE AREA 16.60* DATUM 637.01 NGVD29

APPROVED

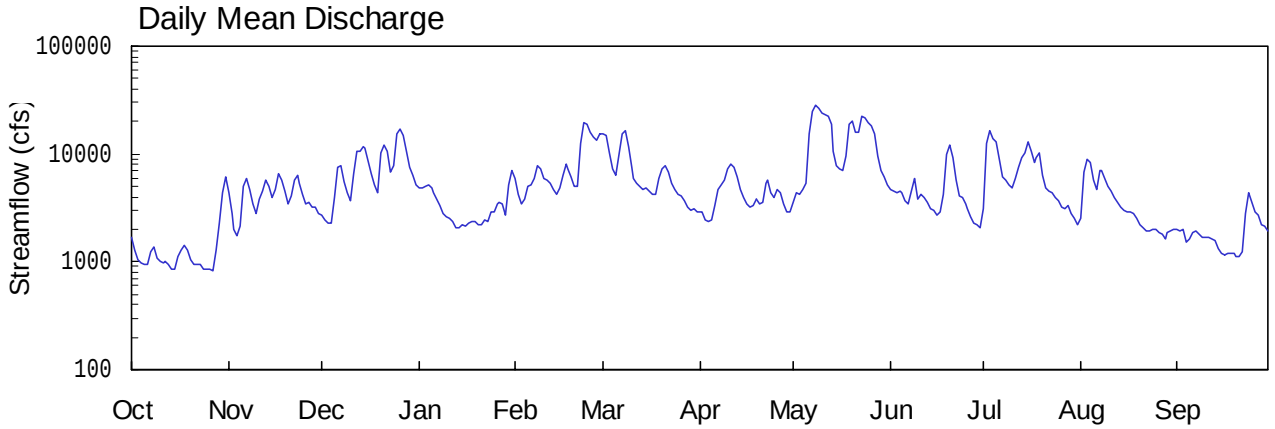
Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

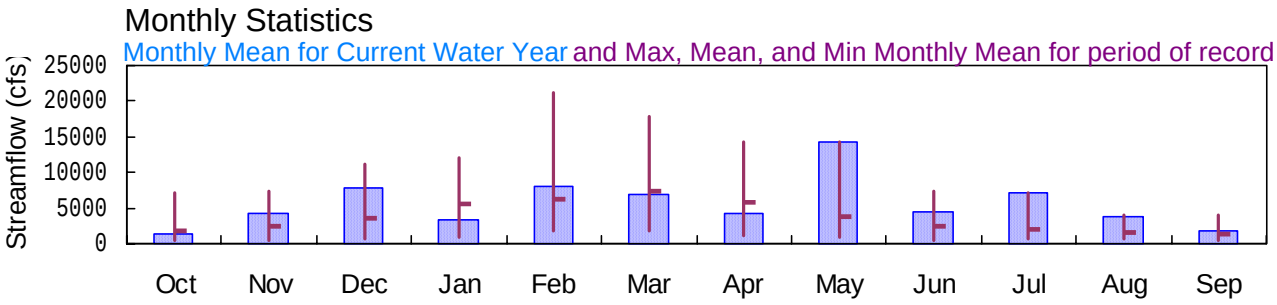
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.26	1.60	1.32	1.49	1.98	3.28	1.62	1.55	1.52	2.54	1.48	1.47
2	1.25	1.85	1.32	1.75	1.76	2.38	1.51	1.74	1.50	5.46	1.46	1.47
3	1.25	1.84	1.31	2.54	1.56	1.83	1.31	1.66	1.49	4.24	1.51	1.47
4	1.29	1.85	1.42	2.06	1.81	1.97	1.30	1.72	1.63	2.74	1.77	1.46
5	1.28	2.08	2.24	1.87	2.13	2.02	1.30	1.82	1.91	3.13	1.84	1.46
6	1.26	2.74	2.22	1.56	2.72	3.91	1.30	4.18	1.89	2.46	1.85	1.45
7	1.36	2.65	2.19	1.40	2.48	4.78	1.31	7.09	1.95	2.38	2.06	1.45
8	1.33	2.58	2.13	1.41	2.45	3.24	1.30	5.36	1.96	2.48	2.18	1.45
9	1.35	2.52	2.13	1.39	2.39	2.90	1.69	3.87	1.92	2.65	1.77	1.45
10	1.32	2.53	2.44	1.40	2.29	2.74	1.81	2.86	1.85	1.99	1.66	1.45
11	1.33	3.20	3.29	1.40	2.07	2.35	1.81	2.53	1.75	2.36	1.65	1.45
12	1.31	3.17	3.48	1.39	2.03	2.10	1.78	2.48	1.75	2.04	1.65	1.46
13	1.30	2.31	3.93	1.59	2.03	1.83	1.77	2.31	1.75	2.58	1.81	1.46
14	1.28	1.94	4.11	1.75	2.03	1.78	1.73	1.87	1.75	3.08	1.90	1.45
15	1.30	1.97	3.27	1.75	2.00	1.78	1.37	1.65	1.66	2.37	1.67	1.45
16	1.32	2.34	2.48	1.76	2.00	1.79	---	2.10	1.44	2.09	1.66	1.45
17	1.28	2.55	2.35	1.75	2.09	1.76	1.28	2.39	2.12	1.99	1.46	1.45
18	1.27	1.95	2.24	1.49	2.09	1.79	1.43	4.62	2.33	1.86	1.43	1.44
19	1.27	1.91	2.30	1.35	2.00	---	1.71	6.35	2.16	1.88	1.42	1.45
20	1.27	1.97	3.85	1.35	1.98	---	1.71	3.53	---	1.80	1.46	1.45
21	1.27	2.77	3.89	1.35	2.01	2.56	1.75	2.42	---	1.79	1.48	1.45
22	1.26	2.69	3.52	1.34	---	2.54	1.95	4.99	---	1.59	1.48	1.75
23	1.25	2.44	2.57	1.44	---	2.50	1.71	5.18	---	1.48	1.49	1.86
24	1.30	2.27	4.73	1.52	---	1.96	1.64	4.61	---	1.47	1.48	1.71
25	1.26	2.18	3.93	1.32	---	1.83	1.89	3.28	---	1.46	1.49	1.35
26	1.25	1.87	2.69	1.33	---	1.81	2.75	2.68	1.62	1.45	1.49	1.34
27	1.25	1.79	2.60	1.34	---	1.80	2.65	2.50	1.48	1.44	1.51	1.34
28	1.44	1.37	2.54	1.68	4.39	1.66	2.38	2.13	1.50	1.45	1.47	1.34
29	1.44	1.35	2.44	1.76	---	1.62	2.10	2.08	1.50	1.44	1.47	1.34
30	1.45	1.34	2.13	2.71	---	1.62	1.55	2.03	1.82	1.44	1.48	1.34
31	1.40	---	1.64	2.57	---	1.62	---	1.75	---	1.44	1.48	---
MEAN	1.30	2.19	2.67	1.64	---	---	---	3.08	---	2.21	1.61	1.46
MAX	1.45	3.20	4.73	2.71	---	---	---	7.09	---	5.46	2.18	1.86
MIN	1.25	1.34	1.31	1.32	---	---	---	1.55	---	1.44	1.42	1.34

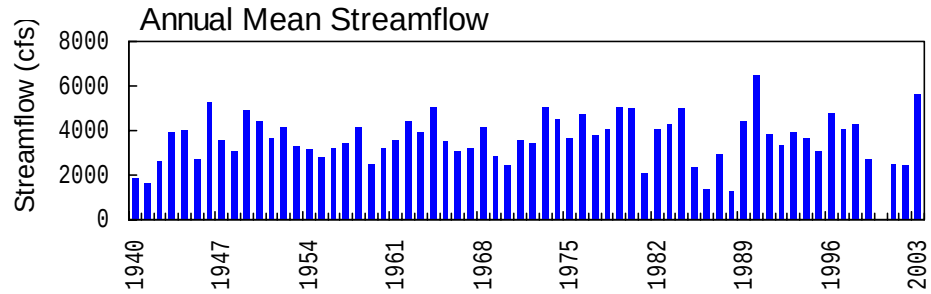
2003 Water Year

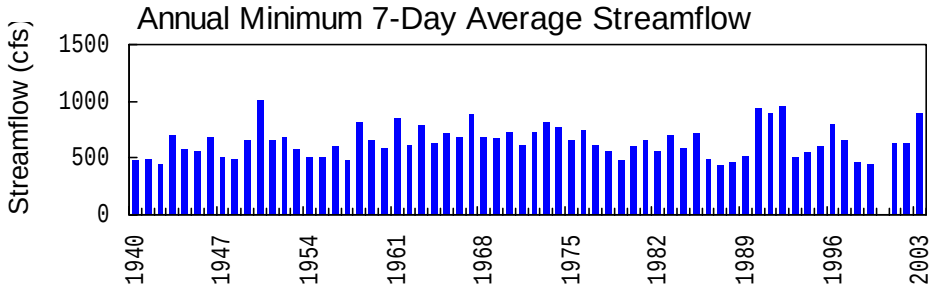
02388500 OOSTANAULA RIVER NEAR ROME, GA

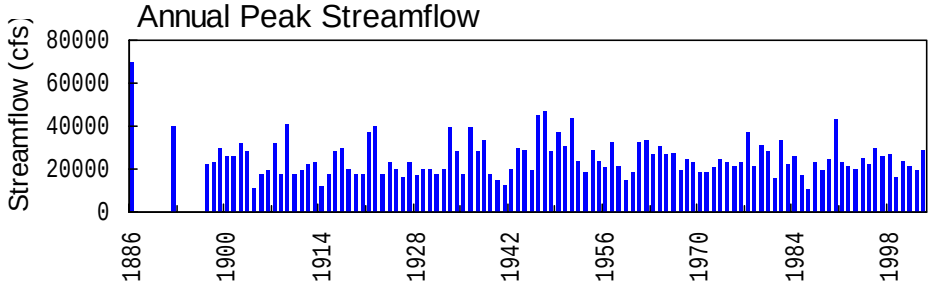
Latitude: 34°18'02" Longitude: 085°08'30" Hydrologic Unit Code: 03150103 Floyd County
Drainage Area: 2115. mi^2 Datum: 561.7 feet

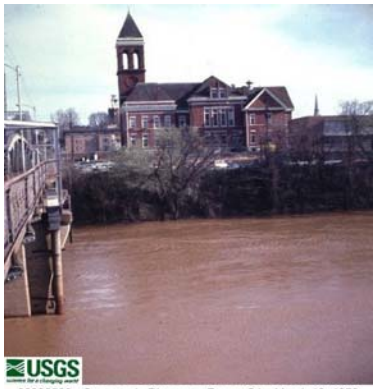












02388500 - Oostanaula River near Rome, GA - March 13, 1973

MOBILE RIVER BASIN
2003 Water Year

02388500 OOSTANAULA RIVER NEAR ROME, GA

LOCATION.—Lat 34°18'02", long 85°08'30" referenced to North American Datum (NAD) of 1927, Floyd County, Hydrologic Unit 03150103, on left bank 1.2 miles upstream from Dry Creek, 4.5 miles north of Rome, 4.5 miles upstream from confluence with Etowah River, and 6.5 miles downstream from Armuchee Creek.

DRAINAGE AREA.—2,115 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1939 to current year. Gage-height records collected at site 4.2 miles downstream since 1890 are contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 561.70 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 1, 1939, to December 7, 1950, water-stage recorder was located at site 3.2 miles downstream at same datum. Since October 1, 1939, auxiliary water-stage recorder has been located at Fifth Avenue Bridge, 4.2 miles downstream. Non-recording gage was located at site of auxiliary gage used as base gage for records published as Coosa River at Rome, January 1, 1897, to December 31, 1903.

REMARKS.—Records good, except for period of estimated discharge, which is fair. Flow regulated by Carters Lake and Carters Re-regulation Dam since 1975. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1834, 40.3 feet in April 1886, at site of present auxiliary gage, from information by Georgia Department of Archives.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1939 to current year. Gage-height records collected at site 4.2 miles downstream since 1890 are contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 561.70 feet above National Geodetic Vertical Datum (NGVD) of 1929. From October 1, 1939, to December 7, 1950, water-stage recorder was located at site 3.2 miles downstream at same datum. Since October 1, 1939, auxiliary water-stage recorder has been located at Fifth Avenue Bridge, 4.2 miles downstream. Non-recording gage was located at site of auxiliary gage used as base gage for records published as Coosa River at Rome, January 1, 1897, to December 31, 1903.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 31.04 feet, May 8; minimum gage-height recorded, 4.78 feet, October 27, 28.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02388500 OOSTANAULA RIVER NEAR ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341802 LONGITUDE 0850830 NAD27 DRAINAGE AREA 2115.00 CONTRIBUTING DRAINAGE AREA 2115* DATUM 561.70 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1690	4370	2680	4860	5870	15600	2930	3530	4700	3140	2570	e1970
2	1280	2770	2480	4910	4240	14700	2940	4300	4470	12600	6760	e1940
3	1060	2030	2280	4980	3420	10400	2470	4240	4300	16200	9050	e2010
4	963	1750	2260	5210	3770	7220	2400	4600	4550	13800	8210	1500
5	952	2160	4010	4800	5080	6340	2420	5330	4310	12800	5660	1600
6	937	5010	7560	4370	5180	9830	3340	15500	3660	8970	4710	1870
7	1250	6010	7880	3870	6020	15400	4740	24700	3390	6230	7060	1930
8	1380	4670	5510	3350	7850	16700	5140	28300	4570	5730	7090	1810
9	1070	3480	4390	2820	7260	11700	5760	26300	5970	5220	5900	1690
10	1020	2850	3690	2620	5890	7470	7220	24100	3810	4820	4970	1660
11	976	3770	6670	2530	5650	5840	7970	22800	4210	5950	4500	1660
12	998	4570	10500	2380	5290	5410	7620	22200	3930	7470	3890	1610
13	932	5820	10500	2060	4610	4980	6230	18900	3540	9290	3530	1570
14	853	4930	11600	2100	4280	4680	4700	10700	3080	10300	3170	1310
15	866	3970	11200	2200	4910	4800	3900	7780	2960	13000	2970	1190
16	1130	4740	e8720	2130	6250	4520	3450	7290	2700	10700	2880	1150
17	1300	6520	6580	2260	8020	4250	3240	6920	2950	8390	2870	1190
18	1420	5730	5230	2370	7160	4230	3380	9520	4270	9370	2770	1200
19	1290	4460	4310	2380	6220	5890	3860	18900	10000	10200	e2500	1200
20	1040	3480	10100	2200	5090	7390	3490	20100	12200	6450	2220	1110
21	958	4030	12000	2220	4940	7670	3620	16100	9130	4860	2040	1140
22	952	5740	10500	2410	12500	6780	5450	16100	5700	4540	1960	1250
23	930	6250	6710	2330	19800	5380	5700	22300	4130	4400	1910	2770
24	865	5420	7690	2880	18600	4650	4330	21600	4000	4010	2000	4350
25	850	4230	15500	2940	16100	4260	3990	19200	3430	3660	1960	3520
26	863	3430	16800	3430	14300	4080	4600	18300	3120	3260	1850	2900
27	835	3520	15100	3620	13300	3690	4380	15500	2600	3080	1790	2710
28	1280	3190	10600	3440	15500	3210	3480	9500	2250	3310	1620	2210
29	2250	3170	7530	2700	---	3040	2890	7040	2210	2800	1860	2110
30	4330	2840	6330	5190	---	3080	2930	6090	2070	2510	e1950	1910
31	6230	---	5200	7070	---	2910	---	5140	---	2190	e1990	---
TOTAL	42750	124910	242110	102630	227100	216100	128570	442880	132210	219250	114210	56040
MEAN	1379	4164	7810	3311	8111	6971	4286	14290	4407	7073	3684	1868
MAX	6230	6520	16800	7070	19800	16700	7970	28300	12200	16200	9050	4350
MIN	835	1750	2260	2060	3420	2910	2400	3530	2070	2190	1620	1110
CFSM	0.65	1.97	3.69	1.57	3.83	3.30	2.03	6.75	2.08	3.34	1.74	0.88
IN.	0.75	2.20	4.26	1.81	3.99	3.80	2.26	7.79	2.33	3.86	2.01	0.99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2003, BY WATER YEAR (WY)

MEAN	1677	2490	3683	5618	6338	7468	5769	3808	2365	2076	1477	1381
MAX	7212	7437	11120	12030	21170	17900	14380	14290	7410	7073	3926	4071
(WY)	1990	1978	1983	1982	1990	1980	1977	2003	1989	2003	1984	1975
MIN	476	549	758	868	1736	1814	1217	797	544	584	592	528
(WY)	1999	1988	2000	1981	2000	1988	1986	1986	1988	1988	1986	1998

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1975 - 2003	
ANNUAL TOTAL	1175397		2048760			
ANNUAL MEAN	3220		5613		3666	
HIGHEST ANNUAL MEAN					6472	1990
LOWEST ANNUAL MEAN					1301	1988
HIGHEST DAILY MEAN	18200	Jan 25	28300	May 8	42300	Feb 20 1990
LOWEST DAILY MEAN	659	Aug 6	835	Oct 27	390	Oct 6 1986
ANNUAL SEVEN-DAY MINIMUM	682	Aug 4	893	Oct 21	428	Oct 3 1986
MAXIMUM PEAK FLOW			29100	May 8	42600	Feb 20 1990
MAXIMUM PEAK STAGE			31.04	May 8	36.47	Mar 18 1990
ANNUAL RUNOFF (CFSM)	1.52		2.65		1.73	
ANNUAL RUNOFF (INCHES)	20.67		36.03		23.55	
10 PERCENT EXCEEDS	6690		12300		8420	
50 PERCENT EXCEEDS	2080		4270		2100	
90 PERCENT EXCEEDS	853		1470		701	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02388500 OOSTANAULA RIVER NEAR ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341802 LONGITUDE 0850830 NAD27 DRAINAGE AREA 2115.00 CONTRIBUTING DRAINAGE AREA 2115* DATUM 561.70 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.48	10.23	8.60	12.12	11.48	22.01	8.69	10.22	13.28	9.83	8.53	---
2	5.74	8.30	8.35	12.64	9.80	19.99	8.95	11.02	13.03	22.35	13.57	---
3	5.31	7.49	8.78	13.55	8.88	16.49	8.03	11.02	12.91	23.52	15.33	---
4	5.19	7.23	8.56	13.09	9.29	15.16	7.85	10.25	12.37	21.85	14.61	6.71
5	5.09	8.06	11.52	11.68	10.69	13.18	7.93	11.07	11.37	21.30	12.88	6.80
6	5.09	12.72	15.13	11.41	11.15	21.81	8.80	22.85	10.79	18.53	12.45	7.19
7	5.67	13.08	14.14	12.34	12.71	26.29	10.29	30.26	9.57	15.80	14.90	6.89
8	6.05	11.31	12.35	11.32	13.39	23.51	11.27	30.63	10.73	15.13	14.48	6.70
9	5.33	10.34	10.86	10.54	12.79	18.28	12.19	28.95	11.60	14.51	13.11	6.89
10	5.22	9.09	10.89	8.65	11.52	13.92	12.91	27.41	11.44	13.11	11.19	6.98
11	5.16	10.39	16.53	8.12	11.31	14.21	13.67	26.58	11.71	14.48	10.47	6.96
12	5.21	12.03	18.46	7.74	11.22	13.76	13.25	26.21	11.00	15.57	10.59	6.96
13	5.04	12.45	18.28	7.59	11.37	13.24	11.83	24.52	9.18	17.31	9.88	6.76
14	4.86	11.93	19.71	7.96	11.10	13.18	10.30	19.60	8.73	20.69	9.27	5.80
15	4.89	10.67	18.14	7.75	11.28	12.90	9.49	16.63	8.41	20.38	9.17	5.56
16	5.45	11.76	---	7.68	11.82	11.84	9.18	16.35	8.04	19.50	9.04	6.04
17	5.81	12.47	13.63	7.91	13.73	11.96	8.95	15.97	8.88	16.63	8.57	6.12
18	6.10	12.24	12.08	8.06	13.44	12.96	9.26	20.48	13.59	18.02	8.18	6.30
19	5.80	11.07	11.17	8.04	12.27	13.51	9.47	26.96	17.92	18.27	---	5.88
20	5.28	10.52	18.07	7.61	11.87	13.44	8.96	25.68	20.15	14.00	8.01	5.71
21	5.10	11.88	19.63	7.79	11.05	14.80	9.10	23.57	17.97	12.03	7.85	5.50
22	5.25	13.52	16.28	7.82	18.70	14.40	11.16	24.02	14.32	11.21	7.79	5.69
23	5.16	13.23	13.07	7.99	24.78	12.18	11.56	26.84	12.71	11.03	7.45	8.35
24	4.96	11.99	16.82	8.60	23.52	11.39	10.38	25.74	11.47	10.82	7.02	9.70
25	5.01	10.82	24.62	8.62	21.57	10.58	10.42	24.50	9.58	10.58	6.95	8.64
26	4.93	10.82	23.49	9.35	20.58	10.03	12.56	25.11	8.99	9.98	7.44	7.63
27	4.82	10.39	20.74	9.37	20.56	9.59	10.79	23.68	8.61	8.64	7.11	7.23
28	5.71	10.04	16.74	8.97	22.56	9.13	9.27	18.50	8.05	8.97	7.08	6.34
29	8.06	9.33	14.28	8.03	---	8.93	9.57	15.71	7.36	9.23	7.49	6.19
30	10.85	9.46	13.28	10.79	---	8.56	9.68	14.69	7.13	8.63	---	6.39
31	12.26	---	12.69	12.62	---	8.51	---	13.73	---	8.16	---	---
MEAN	5.83	10.83	---	9.54	14.09	14.19	10.19	20.93	11.36	14.84	---	---
MAX	12.26	13.52	---	13.55	24.78	26.29	13.67	30.63	20.15	23.52	---	---
MIN	4.82	7.23	---	7.59	8.88	8.51	7.85	10.22	7.13	8.16	---	---

MOBILE RIVER BASIN
2003 Water Year

02388525 OOSTANAULA RIVER AT US 27, AT ROME, GA

LOCATION.—Lat 34°15'38", long 85°10'15" referenced to North American Datum (NAD) of 1927, Floyd County, Hydrologic Unit 03150103, on downstream side of US 27 bridge (Turner-McCall Boulevard), 0.3 miles above confluence with the Etowah River.

DRAINAGE AREA.—2,149 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 1974 to current year.

GAGE.—Water-stage recorder with satellite telemetry. Datum of gage is 561.7 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good. Station is auxiliary gage for 02388500 Oostanaula River at Rome.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 27.68 feet, May 7; minimum gage-height recorded, 2.91 feet, October 27.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 17, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02388525 OOSTANAULA RIVER AT US 27, AT ROME, GA SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341538 LONGITUDE 0851015 NAD27 DRAINAGE AREA 2149.00 CONTRIBUTING DRAINAGE AREA 2149* DATUM 561.70 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.25	7.49	6.59	10.13	7.79	18.35	6.44	8.36	11.96	8.37	6.52	4.70
2	3.88	5.93	6.41	10.91	6.53	15.75	6.92	8.89	11.76	20.17	10.37	5.20
3	3.60	5.64	7.47	12.16	5.89	13.03	5.88	8.93	11.70	20.27	11.09	---
4	3.71	5.66	7.15	11.35	6.33	13.07	5.66	7.22	10.75	18.94	10.82	5.19
5	3.50	6.55	9.97	9.54	7.35	10.73	5.77	8.08	9.40	18.63	10.24	5.15
6	3.54	10.97	12.82	9.48	8.12	20.37	5.98	19.82	9.08	16.57	10.36	5.33
7	3.74	10.80	11.12	11.20	10.13	24.23	---	27.19	7.43	14.25	12.28	4.54
8	4.31	9.07	10.03	10.18	9.65	20.10	8.50	26.76	8.22	13.60	11.61	4.41
9	3.57	8.61	8.58	9.49	8.92	14.95	9.55	24.80	8.25	13.03	10.33	5.14
10	3.39	7.26	9.26	6.83	8.00	11.04	9.46	22.97	10.0	11.28	7.98	5.32
11	3.52	8.47	15.11	5.97	7.94	12.58	10.19	21.89	10.03	12.42	7.07	5.30
12	3.53	10.26	15.79	5.47	8.15	12.21	9.73	21.63	9.13	13.00	8.23	5.39
13	3.18	9.90	15.53	5.71	9.22	11.74	8.33	20.58	6.52	14.48	7.49	5.13
14	3.04	9.84	17.00	6.31	9.06	11.83	7.09	17.28	6.30	18.75	---	3.83
15	3.17	8.69	14.98	5.78	8.62	11.37	6.57	14.70	5.82	17.14	7.01	3.69
16	3.70	9.68	---	5.76	8.18	10.02	6.62	14.58	5.49	16.97	6.91	4.72
17	4.05	9.34	11.25	5.97	10.10	10.38	6.48	14.29	6.73	13.96	6.12	4.78
18	4.28	9.62	9.82	6.09	10.49	11.80	6.89	18.94	12.63	15.53	5.45	5.00
19	3.97	8.85	9.16	6.05	9.16	11.47	6.63	24.18	15.32	15.45	---	4.37
20	3.34	8.90	15.54	5.50	9.59	10.31	6.07	21.94	17.33	11.30	6.13	4.24
21	3.24	10.48	16.68	5.81	8.32	12.25	6.10	20.41	15.83	9.57	6.14	3.78
22	3.82	11.67	12.61	---	15.25	12.18	7.91	21.06	12.79	8.58	6.16	3.98
23	3.69	10.86	10.24	6.04	20.65	9.81	8.39	22.83	11.53	8.45	5.70	6.49
24	3.64	9.49	15.00	6.35	19.28	9.16	7.74	21.25	9.78	8.51	4.75	7.06
25	3.76	8.66	22.09	6.22	17.49	8.20	8.24	20.36	7.37	8.47	4.68	6.25
26	3.41	9.41	20.02	6.99	16.93	7.43	11.02	21.78	6.72	7.98	5.77	5.37
27	3.02	8.68	16.75	6.68	17.40	7.10	8.46	20.85	6.70	5.90	5.36	4.98
28	3.86	8.44	13.26	6.14	19.22	6.88	6.78	16.36	6.23	6.18	5.56	4.23
29	6.24	7.31	11.60	5.48	---	6.74	7.98	13.89	5.00	7.32	5.84	4.05
30	8.59	7.90	10.86	7.39	---	5.94	8.09	13.08	4.84	6.73	---	4.84
31	9.18	---	10.76	8.69	---	6.10	---	12.32	---	6.42	4.74	---
MEAN	4.06	8.81	---	---	10.85	11.84	---	17.97	9.35	12.52	---	---
MAX	9.18	11.67	---	---	20.65	24.23	---	27.19	17.33	20.27	---	---
MIN	3.02	5.64	---	---	5.89	5.94	---	7.22	4.84	5.90	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02388525 OOSTANAULA RIVER AT US 27, AT ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341538 LONGITUDE 0851015 NAD27 DRAINAGE AREA 2149.00 CONTRIBUTING DRAINAGE AREA 2149* DATUM 561.70 NGVD29

APPROVED

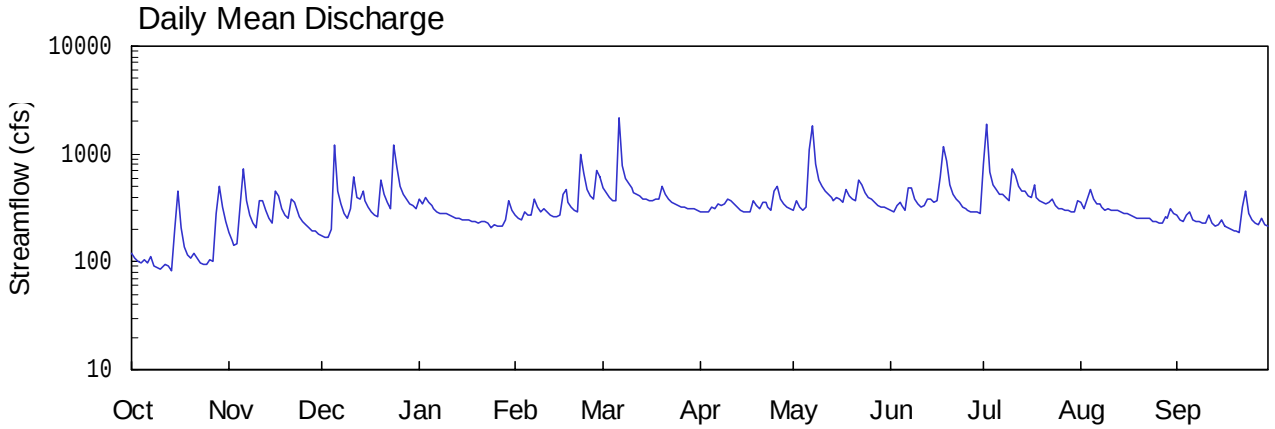
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

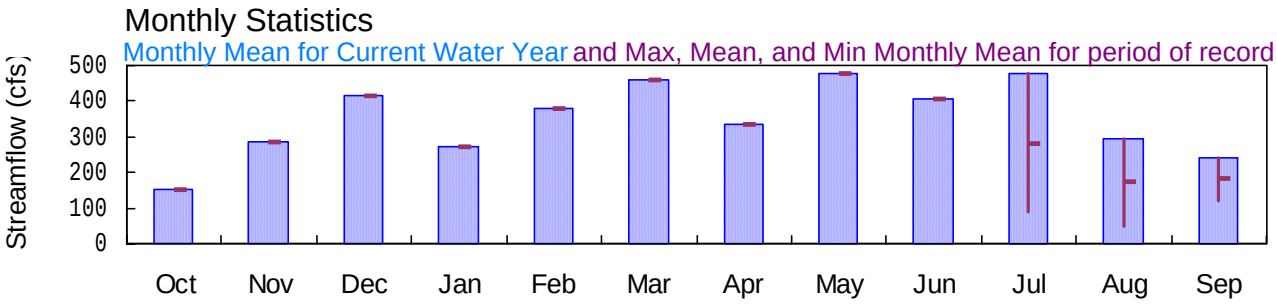
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.01	0.00	3.26	0.01	0.00
2	0.00	0.00	0.03	0.13	0.00	0.00	---	0.20	0.03	0.01	0.00	0.00
3	0.00	0.38	0.07	0.00	0.00	0.00	---	0.00	0.33	0.00	0.30	0.01
4	0.52	0.10	1.31	0.00	0.79	0.00	---	0.00	0.07	0.00	0.00	0.18
5	0.01	1.53	0.41	0.00	0.00	0.53	---	2.27	0.00	0.11	0.01	0.00
6	0.00	0.00	0.00	0.00	0.70	3.07	0.10	3.04	0.55	0.41	0.52	0.00
7	0.28	0.00	0.00	0.00	0.04	0.00	0.78	0.43	0.28	0.14	1.44	0.03
8	0.00	0.00	0.00	0.00	0.01	0.00	0.22	0.00	0.01	0.00	0.00	0.00
9	0.01	0.00	0.00	0.18	0.12	0.00	0.71	0.00	0.00	0.00	0.00	0.00
10	0.21	0.00	1.77	0.02	0.21	0.00	0.22	0.00	0.00	0.38	0.02	0.00
11	0.08	1.04	0.01	0.00	0.00	0.00	0.00	0.31	0.26	0.00	0.00	0.00
12	0.04	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.05	0.10	0.00
13	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.11	1.47	0.20	0.00
14	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.02	0.03
15	0.85	0.35	0.00	0.00	0.00	0.03	0.00	0.62	0.00	0.00	0.00	0.00
16	0.01	0.01	0.00	0.23	0.99	0.00	0.00	0.02	0.57	0.00	0.24	0.00
17	0.00	0.00	0.00	0.00	0.01	0.65	0.35	0.02	0.41	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.17	0.00	1.52	0.84	0.00	0.00	0.00
19	0.00	0.08	1.61	0.00	0.00	0.56	0.00	0.02	1.47	0.00	0.08	0.00
20	0.17	0.66	0.00	0.00	0.04	0.04	0.00	0.08	0.01	0.00	0.00	0.00
21	0.07	0.61	0.00	0.37	1.18	0.00	0.09	1.05	0.00	0.03	0.00	0.03
22	0.00	0.00	0.02	0.00	1.42	0.00	0.00	0.22	0.00	0.23	0.00	1.65
23	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.01
24	0.00	0.00	1.81	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.04	0.00	1.79	0.57	0.00	0.00	0.00	0.00
26	0.00	0.02	0.00	0.00	0.58	0.00	0.00	0.01	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.12	0.48	0.23	0.86
28	2.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
29	0.33	0.00	0.00	1.22	---	0.06	0.00	0.00	0.00	0.00	0.00	0.00
30	0.04	0.00	0.00	0.02	---	0.01	0.31	0.00	0.14	0.00	0.10	0.00
31	0.00	---	0.14	0.01	---	0.00	---	0.00	---	0.00	0.39	---
TOTAL	4.66	4.87	8.41	2.60	7.69	5.12	---	10.39	5.31	6.60	3.66	2.80

2003 Water Year

02389150 ETOWAH RIVER AT GA 9, NEAR DAWSONVILLE, GA

Latitude: 34°21'26" Longitude: 084°06'49" Hydrologic Unit Code: 03150104 Dawson County
Drainage Area: 131.0 mi^2 Datum: 1022. feet





NO PHOTOS AVAILABLE FOR THIS SITE

MOBILE RIVER BASIN
2002 and 2003 Water Years

02389150 ETOWAH RIVER AT GA 9, NEAR DAWSONVILLE, GA

LOCATION.—Lat 34°21'26", long 84°06'49" referenced to North American Datum (NAD) of 1927, Dawson County, Hydrologic Unit 03150104, at bridge at GA 9, 6.5 miles upstream of confluence with Amicalola Creek

DRAINAGE AREA.—131 square miles.

COOPERATION.—Etowah Water and Sewer Authority.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—June 12, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 1022 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

WATER-STAGE RECORDS

PERIOD OF RECORD.—June 12, 2002 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 1022 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records fair.

EXTREMES FOR 2002 YEAR.—Maximum gage-height recorded, 6.46 feet, September 21, 2002; minimum gage-height recorded, 2.92 feet, September 13, 2002.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 15.19 feet, March 6; minimum gage-height recorded, 3.72 feet, October 14, 15.

PRECIPITATION RECORDS

PERIOD OF RECORD.—July 18, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02389150 ETOWAH RIVER AT GA 9, NEAR DAWSONVILLE, GA SOURCE AGENCY USGS STATE 13 COUNTY 085
LATITUDE 342126 LONGITUDE 0840649 NAD27 DRAINAGE AREA 131.00 CONTRIBUTING DRAINAGE AREA 131* DATUM 1022.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	89	65	49
2	---	---	---	---	---	---	---	---	---	88	61	47
3	---	---	---	---	---	---	---	---	---	87	58	45
4	---	---	---	---	---	---	---	---	---	93	56	43
5	---	---	---	---	---	---	---	---	---	84	52	42
6	---	---	---	---	---	---	---	---	---	79	50	39
7	---	---	---	---	---	---	---	---	---	75	49	36
8	---	---	---	---	---	---	---	---	---	73	46	35
9	---	---	---	---	---	---	---	---	---	70	44	33
10	---	---	---	---	---	---	---	---	---	68	44	31
11	---	---	---	---	---	---	---	---	---	69	42	31
12	---	---	---	---	---	---	---	---	114	137	41	30
13	---	---	---	---	---	---	---	---	111	98	40	30
14	---	---	---	---	---	---	---	---	111	189	39	82
15	---	---	---	---	---	---	---	---	121	112	39	146
16	---	---	---	---	---	---	---	---	111	91	52	125
17	---	---	---	---	---	---	---	---	106	83	66	78
18	---	---	---	---	---	---	---	---	100	78	69	103
19	---	---	---	---	---	---	---	---	97	73	64	126
20	---	---	---	---	---	---	---	---	95	71	55	87
21	---	---	---	---	---	---	---	---	92	70	49	193
22	---	---	---	---	---	---	---	---	88	87	46	355
23	---	---	---	---	---	---	---	---	90	76	45	203
24	---	---	---	---	---	---	---	---	98	104	42	127
25	---	---	---	---	---	---	---	---	97	92	39	132
26	---	---	---	---	---	---	---	---	94	116	43	326
27	---	---	---	---	---	---	---	---	96	97	59	398
28	---	---	---	---	---	---	---	---	99	79	64	307
29	---	---	---	---	---	---	---	---	94	71	55	197
30	---	---	---	---	---	---	---	---	96	66	53	149
31	---	---	---	---	---	---	---	---	---	64	51	---
TOTAL	---	---	---	---	---	---	---	---	---	2729	1578	3625
MEAN	---	---	---	---	---	---	---	---	---	88.0	50.9	121
MAX	---	---	---	---	---	---	---	---	---	189	69	398
MIN	---	---	---	---	---	---	---	---	---	64	39	30
MED	---	---	---	---	---	---	---	---	---	83	50	85
AC-FT	---	---	---	---	---	---	---	---	---	5410	3130	7190

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2002, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	---	---	88.0	50.9	121
MAX	---	---	---	---	---	---	---	---	---	88.0	50.9	121
(WY)	---	---	---	---	---	---	---	---	---	2002	2002	2002
MIN	---	---	---	---	---	---	---	---	---	88.0	50.9	121
(WY)	---	---	---	---	---	---	---	---	---	2002	2002	2002

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02389150 ETOWAH RIVER AT GA 9, NEAR DAWSONVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 085
LATITUDE 342126 LONGITUDE 0840649 NAD27 DRAINAGE AREA 131.00 CONTRIBUTING DRAINAGE AREA 131* DATUM 1022.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	184	e175	e387	270	477	294	297	303	812	351	267
2	109	156	e170	e350	254	433	290	372	293	1880	311	244
3	100	140	166	e395	244	395	287	322	328	687	376	234
4	97	149	202	e358	286	373	286	299	357	512	467	271
5	105	332	1210	e335	275	366	321	327	330	460	376	295
6	97	736	456	e312	267	2160	312	1100	300	421	343	248
7	111	370	341	292	375	777	346	1800	484	421	343	234
8	92	273	284	285	320	590	330	817	478	397	324	234
9	87	225	250	280	289	528	344	578	386	370	305	225
10	87	206	312	285	308	479	382	494	346	732	308	228
11	91	373	618	269	291	444	373	453	324	643	297	269
12	94	371	390	259	274	418	342	425	334	507	299	227
13	92	298	387	255	261	403	320	390	387	447	304	216
14	84	253	445	252	259	385	304	371	380	452	294	218
15	202	232	373	247	267	379	295	391	351	402	281	242
16	457	449	322	244	426	368	291	379	374	393	278	213
17	205	415	292	247	467	370	288	356	617	512	274	205
18	136	311	271	235	362	386	367	470	1170	392	265	201
19	114	270	263	233	318	380	329	403	850	366	258	194
20	108	252	565	230	298	496	309	381	512	357	255	190
21	121	377	415	235	291	421	359	373	429	342	255	187
22	107	354	350	237	1000	382	361	573	382	351	251	319
23	99	291	314	228	664	359	319	522	352	377	251	456
24	95	259	1200	209	463	341	302	437	327	334	240	285
25	96	239	744	225	406	330	455	398	311	315	236	245
26	105	e222	506	217	383	324	497	378	300	306	231	229
27	100	e205	426	214	715	317	383	353	295	302	225	221
28	277	e195	378	212	621	311	344	336	295	297	258	251
29	509	e191	346	242	---	306	320	326	288	292	249	220
30	318	e183	e328	365	---	314	306	316	282	288	309	211
31	240	---	e309	297	---	301	---	311	---	374	280	---
TOTAL	4657	8511	12808	8431	10654	14313	10056	14748	12165	14741	9094	7279
MEAN	150	284	413	272	380	462	335	476	406	476	293	243
MAX	509	736	1210	395	1000	2160	497	1800	1170	1880	467	456
MIN	84	140	166	209	244	301	286	297	282	288	225	187
MED	105	256	346	252	303	382	321	381	348	393	281	231
AC-FT	9240	16880	25400	16720	21130	28390	19950	29250	24130	29240	18040	14440

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	150	284	413	272	380	462	335	476	406	282	172	182
MAX	150	284	413	272	380	462	335	476	406	476	293	243
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003
MIN	150	284	413	272	380	462	335	476	406	88.0	50.9	121
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2002	2002	2002

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	127457			
ANNUAL MEAN	349		349	
HIGHEST ANNUAL MEAN			349	2003
LOWEST ANNUAL MEAN			349	2003
HIGHEST DAILY MEAN	2160	Mar 6	2160	Mar 6 2003
LOWEST DAILY MEAN	84	Oct 14	30	Sep 12 2002
ANNUAL SEVEN-DAY MINIMUM	90	Oct 8	32	Sep 7 2002
MAXIMUM PEAK FLOW	3940	Mar 6	3940	Mar 6 2003
MAXIMUM PEAK STAGE	15.19	Mar 6	15.19	Mar 6 2003
INSTANTANEOUS LOW FLOW	81	Oct 14	27	Sep 13 2002
ANNUAL RUNOFF (AC-FT)	252800		253000	
10 PERCENT EXCEEDS	495		495	
50 PERCENT EXCEEDS	312		312	
90 PERCENT EXCEEDS	195		195	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02389150 ETOWAH RIVER AT GA 9, NEAR DAWSONVILLE, GA SOURCE AGENCY USGS STATE 13 COUNTY 085
LATITUDE 342126 LONGITUDE 0840649 NAD27 DRAINAGE AREA 131.00 CONTRIBUTING DRAINAGE AREA 131* DATUM 1022.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	3.81	3.52	3.27
2	---	---	---	---	---	---	---	---	---	3.80	3.46	3.25
3	---	---	---	---	---	---	---	---	---	3.80	3.43	3.21
4	---	---	---	---	---	---	---	---	---	3.85	3.38	3.18
5	---	---	---	---	---	---	---	---	---	3.76	3.33	3.17
6	---	---	---	---	---	---	---	---	---	3.70	3.30	3.12
7	---	---	---	---	---	---	---	---	---	3.65	3.27	3.07
8	---	---	---	---	---	---	---	---	---	3.63	3.23	3.05
9	---	---	---	---	---	---	---	---	---	3.59	3.20	3.03
10	---	---	---	---	---	---	---	---	---	3.57	3.19	3.00
11	---	---	---	---	---	---	---	---	---	3.58	3.17	2.99
12	---	---	---	---	---	---	---	---	4.04	4.18	3.15	2.98
13	---	---	---	---	---	---	---	---	4.02	3.90	3.14	2.98
14	---	---	---	---	---	---	---	---	4.02	4.52	3.12	3.69
15	---	---	---	---	---	---	---	---	4.09	4.03	3.13	4.26
16	---	---	---	---	---	---	---	---	4.01	3.84	3.32	4.11
17	---	---	---	---	---	---	---	---	3.98	3.75	3.54	3.69
18	---	---	---	---	---	---	---	---	3.93	3.68	3.58	3.90
19	---	---	---	---	---	---	---	---	3.90	3.63	3.51	4.12
20	---	---	---	---	---	---	---	---	3.87	3.61	3.37	3.79
21	---	---	---	---	---	---	---	---	3.85	3.58	3.28	4.48
22	---	---	---	---	---	---	---	---	3.80	3.77	3.24	5.46
23	---	---	---	---	---	---	---	---	3.83	3.66	3.22	4.61
24	---	---	---	---	---	---	---	---	3.91	3.91	3.17	4.13
25	---	---	---	---	---	---	---	---	3.90	3.84	3.13	4.15
26	---	---	---	---	---	---	---	---	3.87	4.03	3.19	5.31
27	---	---	---	---	---	---	---	---	3.88	3.89	3.43	5.69
28	---	---	---	---	---	---	---	---	3.92	3.71	3.51	5.20
29	---	---	---	---	---	---	---	---	3.87	3.60	3.37	4.58
30	---	---	---	---	---	---	---	---	3.88	3.53	3.35	4.28
31	---	---	---	---	---	---	---	---	---	3.51	3.31	---
MEAN	---	---	---	---	---	---	---	---	---	3.77	3.31	3.86
MAX	---	---	---	---	---	---	---	---	---	4.52	3.58	5.69
MIN	---	---	---	---	---	---	---	---	---	3.51	3.12	2.98

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02389150 ETOWAH RIVER AT GA 9, NEAR DAWSONVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 085
LATITUDE 342126 LONGITUDE 0840649 NAD27 DRAINAGE AREA 131.00 CONTRIBUTING DRAINAGE AREA 131* DATUM 1022.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.10	4.55	---	---	5.10	6.29	5.24	5.26	5.31	7.14	5.58	5.08
2	4.00	4.36	---	---	5.00	6.05	5.22	5.70	5.24	10.41	5.35	4.93
3	3.93	4.24	4.43	---	4.93	5.83	5.20	5.41	5.45	7.25	5.72	4.87
4	3.90	4.30	4.65	---	5.19	5.70	5.19	5.28	5.61	6.48	6.21	5.10
5	3.97	5.32	8.74	---	5.13	5.67	5.40	5.43	5.46	6.20	5.73	5.25
6	3.89	7.34	6.17	---	5.08	10.96	5.36	8.46	5.29	5.98	5.53	4.96
7	4.01	5.69	5.53	5.23	5.72	7.58	5.55	10.23	6.30	5.98	5.54	4.87
8	3.85	5.11	5.18	5.19	5.40	6.87	5.46	7.71	6.29	5.85	5.42	4.87
9	3.80	4.82	4.97	5.16	5.21	6.56	5.54	6.81	5.78	5.69	5.32	4.82
10	3.79	4.69	5.29	5.19	5.33	6.30	5.76	6.38	5.55	7.02	5.33	4.84
11	3.84	5.69	6.94	5.09	5.23	6.11	5.71	6.16	5.42	7.07	5.27	5.09
12	3.87	5.70	5.80	5.03	5.12	5.97	5.53	6.00	5.48	6.45	5.28	4.83
13	3.85	5.27	5.78	5.00	5.04	5.88	5.40	5.81	5.79	6.12	5.31	4.76
14	3.76	4.99	6.12	4.98	5.03	5.78	5.31	5.69	5.75	6.15	5.25	4.77
15	4.49	4.86	5.70	4.95	5.08	5.74	5.25	5.81	5.58	5.87	5.16	4.92
16	6.01	6.13	5.41	4.93	5.98	5.68	5.22	5.74	5.65	5.82	5.14	4.74
17	4.65	5.94	5.23	4.95	6.23	5.69	5.21	5.61	6.90	6.44	5.12	4.68
18	4.21	5.35	5.10	4.88	5.64	5.78	5.67	6.24	8.34	5.82	5.06	4.66
19	4.05	5.10	5.05	4.87	5.39	5.75	5.45	5.88	7.76	5.66	5.02	4.62
20	3.99	4.98	6.72	4.85	5.27	6.39	5.34	5.76	6.48	5.61	5.00	4.59
21	4.10	5.73	5.95	4.88	5.22	5.98	5.63	5.71	6.02	5.53	5.00	4.57
22	3.99	5.60	5.58	4.89	7.98	5.76	5.64	6.72	5.76	5.58	4.98	5.34
23	3.92	5.22	5.37	4.84	7.13	5.62	5.39	6.52	5.58	5.73	4.98	6.14
24	3.88	5.03	8.44	4.72	6.22	5.53	5.30	6.07	5.44	5.48	4.91	5.19
25	3.88	4.90	7.45	4.82	5.90	5.46	6.06	5.85	5.35	5.38	4.88	4.94
26	3.97	---	6.44	4.77	5.77	5.42	6.38	5.74	5.29	5.32	4.85	4.84
27	3.92	---	6.01	4.75	7.20	5.39	5.76	5.59	5.25	5.30	4.82	4.80
28	4.95	---	5.73	4.73	6.98	5.35	5.54	5.50	5.25	5.27	5.01	4.98
29	6.42	---	5.55	4.92	---	5.32	5.40	5.44	5.20	5.23	4.97	4.79
30	5.39	---	---	5.66	---	5.37	5.32	5.38	5.17	5.20	5.34	4.72
31	4.91	---	---	5.26	---	5.29	---	5.35	---	5.70	5.16	---
MEAN	4.24	---	---	---	5.66	6.03	5.48	6.10	5.79	6.09	5.23	4.92
MAX	6.42	---	---	---	7.98	10.96	6.38	10.23	8.34	10.41	6.21	6.14
MIN	3.76	---	---	---	4.93	5.29	5.19	5.26	5.17	5.20	4.82	4.57

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02389150 ETOWAH RIVER AT GA 9, NEAR DAWSONVILLE, GA SOURCE AGENCY USGS STATE 13 COUNTY 085
LATITUDE 342126 LONGITUDE 0840649 NAD27 DRAINAGE AREA 131.00 CONTRIBUTING DRAINAGE AREA 131* DATUM 1022.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	0.00	0.00
2	---	---	---	---	---	---	---	---	---	---	0.00	0.00
3	---	---	---	---	---	---	---	---	---	---	0.01	0.00
4	---	---	---	---	---	---	---	---	---	---	0.00	0.00
5	---	---	---	---	---	---	---	---	---	---	0.00	0.00
6	---	---	---	---	---	---	---	---	---	---	0.00	0.00
7	---	---	---	---	---	---	---	---	---	---	0.00	0.00
8	---	---	---	---	---	---	---	---	---	---	0.00	0.00
9	---	---	---	---	---	---	---	---	---	---	0.00	0.00
10	---	---	---	---	---	---	---	---	---	---	0.00	0.00
11	---	---	---	---	---	---	---	---	---	---	0.00	0.00
12	---	---	---	---	---	---	---	---	---	---	0.00	0.00
13	---	---	---	---	---	---	---	---	---	---	0.00	1.34
14	---	---	---	---	---	---	---	---	---	---	0.00	1.34
15	---	---	---	---	---	---	---	---	---	---	0.01	0.46
16	---	---	---	---	---	---	---	---	---	---	0.09	0.00
17	---	---	---	---	---	---	---	---	---	---	0.83	0.34
18	---	---	---	---	---	---	---	---	---	0.00	0.06	0.51
19	---	---	---	---	---	---	---	---	---	0.00	0.02	0.02
20	---	---	---	---	---	---	---	---	---	0.00	0.00	0.26
21	---	---	---	---	---	---	---	---	---	0.01	0.00	0.71
22	---	---	---	---	---	---	---	---	---	0.00	0.00	0.23
23	---	---	---	---	---	---	---	---	---	0.01	0.00	0.00
24	---	---	---	---	---	---	---	---	---	1.62	0.00	0.00
25	---	---	---	---	---	---	---	---	---	0.00	0.03	1.25
26	---	---	---	---	---	---	---	---	---	0.00	0.00	0.54
27	---	---	---	---	---	---	---	---	---	0.00	0.08	0.18
28	---	---	---	---	---	---	---	---	---	0.00	0.85	0.00
29	---	---	---	---	---	---	---	---	---	0.00	0.00	0.00
30	---	---	---	---	---	---	---	---	---	0.00	0.00	0.00
31	---	---	---	---	---	---	---	---	---	0.17	0.00	---
TOTAL	---	---	---	---	---	---	---	---	---	---	1.98	7.18

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02389150 ETOWAH RIVER AT GA 9, NEAR DAWSONVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 085
LATITUDE 342126 LONGITUDE 0840649 NAD27 DRAINAGE AREA 131.00 CONTRIBUTING DRAINAGE AREA 131* DATUM 1022.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	---	---	0.00	0.01	0.00	0.03	0.00	2.80	0.00	0.00
2	0.00	0.00	---	---	0.00	0.00	0.00	0.41	0.00	0.09	0.00	0.00
3	0.00	0.16	0.04	---	0.00	0.00	0.00	0.00	0.71	0.00	1.07	0.00
4	0.51	0.18	2.42	---	0.42	0.01	0.00	0.00	0.05	0.00	0.00	0.02
5	0.01	2.16	0.82	---	0.00	0.60	0.61	1.45	0.00	0.06	0.02	0.01
6	0.02	0.01	0.00	---	0.80	2.46	0.04	1.64	0.39	0.03	0.11	0.00
7	0.01	0.00	0.01	0.00	0.05	0.00	0.20	0.88	0.77	0.43	0.22	0.01
8	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00
9	0.00	0.01	0.02	0.24	0.09	0.00	0.18	0.00	0.00	0.00	0.00	0.00
10	0.04	0.14	1.67	0.04	0.33	0.00	0.44	0.00	0.00	0.68	0.02	0.45
11	0.04	0.91	0.06	0.00	0.00	0.00	0.00	0.15	0.11	0.12	0.00	0.00
12	0.03	0.18	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.03	0.00	0.00
13	0.51	0.00	0.67	0.00	0.03	0.05	0.00	0.00	0.61	0.92	0.09	0.07
14	0.02	0.00	0.00	0.00	0.15	0.03	0.00	0.06	0.20	0.00	0.00	0.47
15	3.07	0.80	0.00	0.00	0.01	0.14	0.00	0.36	0.00	0.01	0.03	0.33
16	0.02	0.79	0.00	0.01	1.58	0.01	0.03	0.00	2.19	0.26	0.00	0.00
17	0.00	0.00	0.00	0.02	0.00	0.32	0.02	0.04	0.39	0.00	0.00	0.00
18	0.00	0.00	0.00	0.01	0.00	0.04	0.02	0.66	1.97	0.00	0.00	0.00
19	0.00	0.11	1.09	0.00	0.00	0.40	0.00	0.00	0.02	0.03	0.00	0.00
20	0.26	0.67	0.03	0.01	0.01	0.51	0.00	0.02	0.00	0.00	0.00	0.00
21	0.43	0.41	0.00	0.06	0.26	0.00	0.80	0.37	0.00	0.00	0.00	0.07
22	0.00	0.00	0.03	0.01	1.28	0.00	0.00	0.65	0.00	0.30	0.00	1.69
23	0.01	0.00	0.04	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	2.17	0.00	0.01	0.00	0.07	0.00	0.00	0.00	0.00	0.00
25	0.08	0.00	0.09	0.00	0.00	0.00	1.49	0.14	0.00	0.00	0.00	0.00
26	0.01	---	0.00	0.00	0.45	0.00	0.00	0.03	0.00	0.00	0.00	0.00
27	0.00	---	0.00	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.14
28	2.14	---	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.00
29	1.73	---	0.00	1.17	---	0.05	0.00	0.00	0.00	0.00	0.38	0.00
30	0.02	---	---	0.15	---	0.22	0.09	0.00	0.14	0.00	0.04	0.00
31	0.00	---	---	0.01	---	0.00	---	0.00	---	1.45	0.00	---
TOTAL	8.96	---	---	---	6.59	4.85	4.13	6.89	8.79	7.21	2.19	3.26

MOBILE RIVER BASIN
2003 Water Year

02390050 ETOWAH RIVER AT KELLY BRIDGE ROAD, NEAR MATT, GA

LOCATION.—Lat 34°21'08", long 84°12'23" referenced to North American Datum (NAD) of 1927, Dawson County, Hydrologic Unit 03150104, 5.0 miles south of Cowart Road, at bridge and boat launch on Kelly Bridge Road.

DRAINAGE AREA.—277 square miles.

COOPERATION.—Cherokee County Water and Sewerage Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—December 1996 to current year.

GAGE.—Standard USGS reference mark. Datum of gage 980.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 5, effective October 2002 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/03/02	1.00	192
12/11/02	4.18	1,860
03/03/03	2.52	906
04/30/03	2.18	692
06/05/03	2.34	775
08/18/03	2.06	646

02390063 YELLOW CREEK AT COWART ROAD, NEAR MATT, GA

LOCATION.—Lat 34°21'24", long 84°15'07" referenced to North American Datum (NAD) of 1927, Dawson County, Hydrologic Unit 03150104, downstream of concrete dam on Cowart Road, 0.3 miles east of Yellow Creek Road, 4.0 miles northeast of Matt.

DRAINAGE AREA.—15.1 square miles.

COOPERATION.—Cherokee County Water and Sewerage Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—December 1996 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage 980.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 3, effective October 2002 to current year.

REMARKS.—Records good. Measurements for current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/03/02	0.60	6.95
12/11/02	1.12	21.0
03/03/03	1.24	28.9
04/30/03	1.11	24.1
06/06/03	1.10	27.1
08/19/03	1.01	21.7

MOBILE RIVER BASIN
2003 Water Year

02390064 YELLOW CREEK NEAR HIGHTOWER, GA

LOCATION.—Lat 34°20'45", long 84°14'29", referenced to North American Datum (NAD) of 1927, Dawson County, Hydrologic Unit 03150104, 0.5 miles east of Yellow Creek Road, 0.5 miles north of metal bridge on Hubbardsville Road.

DRAINAGE AREA.—16.0 square miles.

COOPERATION.—Cherokee County Water and Sewerage Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—December 1996 to current water year.

GAGE.—Standard USGS vertical staff gage. Datum of gage 980.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map). Gage was removed on April 30, 2003.

RATING.—Rating Number 5, effective October 2001 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/03/02	1.06	7.64
12/11/02	1.69	28.8
03/03/03	1.70	33.6

02390090 ETOWAH RIVER AT OLD FEDERAL ROAD, NEAR HIGHTOWER, GA

LOCATION.—Lat 34°18'30", long 84°13'21" referenced to North American Datum (NAD) of 1927, Forsyth County, Hydrologic Unit 03150104, 8.0 miles west of GA 400, 0.2 miles west of GA 369 on Old Federal Road.

DRAINAGE AREA.—309 square miles.

COOPERATION.—Cherokee County Water and Sewerage Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—December 1996 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage 960.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 03, effective October 2002 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/03/02	0.83	251
12/11/02	7.37	2,250
03/03/03	3.86	998
05/01/03	3.15	857
06/05/03	3.47	994
08/18/03	2.81	732

02391095 ETOWAH RIVER AT COKER CHAPEL ROAD, NEAR BALLGROUND, GA

LOCATION.—Lat 34°17'45", long 84°22'34" referenced to North American Datum (NAD) of 1927, Cherokee County, Hydrologic Unit 03150104, 5.0 miles east of I-575, 1.0 mile north of Airport Road, 3.3 miles east of Old GA 5, on Cokers Chapel Road.

DRAINAGE AREA.—504 square miles.

COOPERATION.—Cherokee County Water and Sewerage Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—August 10, 1993 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage 890.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 4, effective October 1, 2001 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

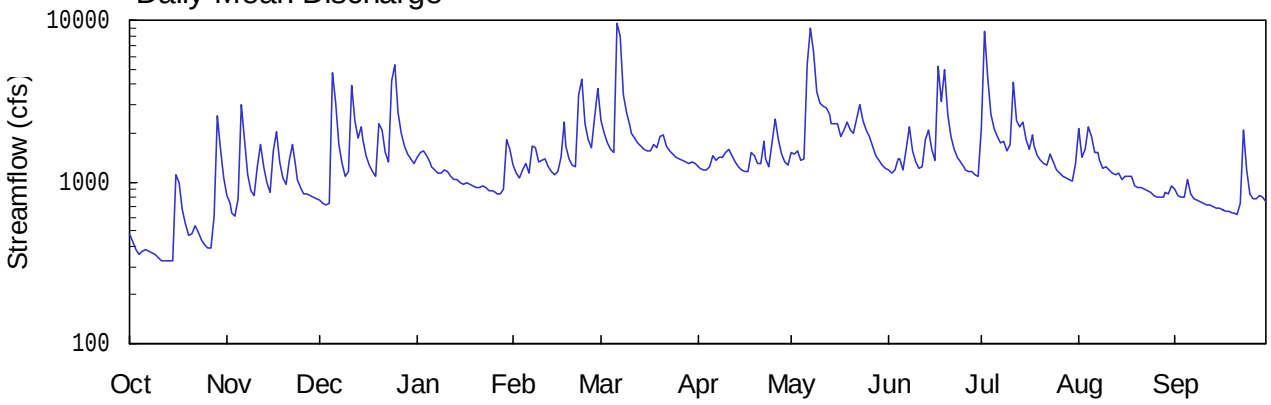
DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/28/02	1.39	296
12/16/02	3.75	1,100

2003 Water Year

02392000 ETOWAH RIVER AT CANTON, GA

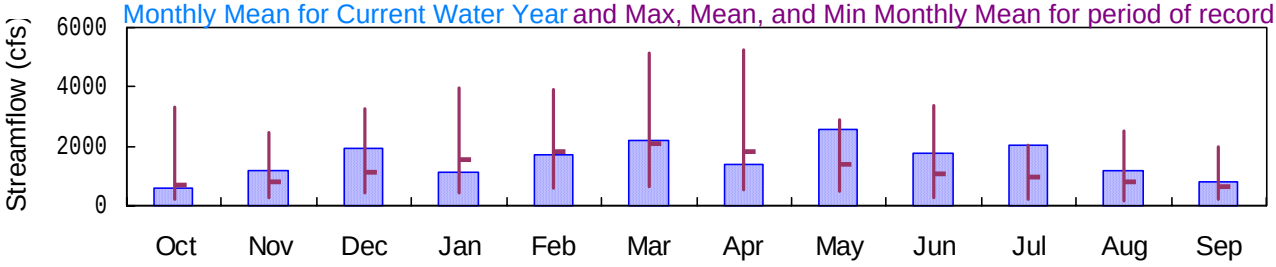
Latitude: 34°14'23" Longitude: 084°29'47" Hydrologic Unit Code: 03150104 Cherokee County
Drainage Area: 613.0 mi^2 Datum: 844.5 feet

Daily Mean Discharge

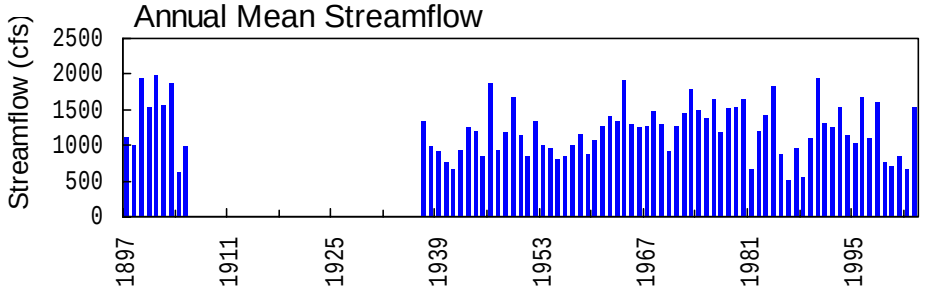


Monthly Statistics

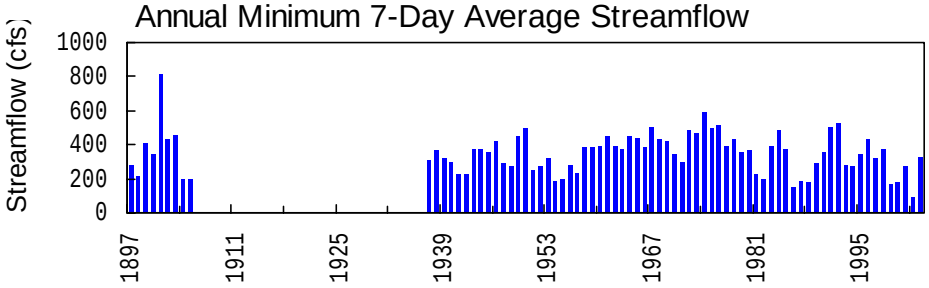
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



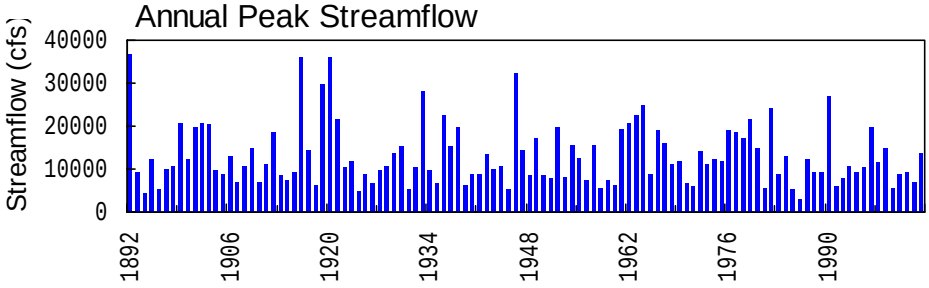
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



MOBILE RIVER BASIN
2003 Water Year

02392000 ETOWAH RIVER AT CANTON, GA

LOCATION.—Lat 34°14'23", long 84°29'47" referenced to North American Datum (NAD) of 1927, Cherokee County, Hydrologic Unit 03150104, on left bank 100 feet downstream from bridge on GA 5 Spur and 140 at Canton, 0.8 miles upstream from Canton Creek, and 1.8 miles downstream from Hickory Log Creek.

DRAINAGE AREA.—613 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 1892 to September 1905 (prior to October 1896, gage heights only), October 1936 to current year. Monthly discharge only for January to March 1896, published in WSP 1304. Gage heights collected at same site since 1892 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 1906: 1946(M). WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 844.55 feet above National Geodetic Vertical Datum (NGVD) of 1929. From March 1892 to December 1905, a non-recording gage was located at site 100.00 feet upstream at datum 2.00 feet higher. From March 16, 1937 to January 17, 1939, a non-recording gage was located at site 100.00 feet upstream at present datum. A water-stage recorder at Allatoona Reservoir is used as an auxiliary gage for this station during periods of backwater caused by Allatoona Reservoir.

REMARKS.—Records good, except for periods of estimated discharge, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 6,500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE HEIGHT (feet)
12/05	1715	6,830	11.36
12/25	0015	7,920	12.58
03/06	2130	13,600*	18.43*
05/07	2300	9,980	14.79
06/17	1030	8,010	12.68
07/02	1330	9,270	14.05

02392000 ETOWAH RIVER AT CANTON, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 1892 to September 1905 (prior to October 1896, gage heights only), October 1936 to current year. Monthly discharge only for January to March 1896, published in WSP 1304. Gage heights collected at same site since 1892 are contained in reports of National Weather Service.

REVISED RECORDS.—WSP 1906: 1946(M). WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 844.55 feet above National Geodetic Vertical Datum (NGVD) of 1929. From March 1892 to December 1905, a non-recording gage was located at site 100.00 feet upstream at datum 2.00 feet higher. From March 16, 1937 to January 17, 1939, a non-recording gage was located at site 100.00 feet upstream at present datum. A water-stage recorder at Allatoona Reservoir is used as an auxiliary gage for this station during periods of backwater caused by Allatoona Reservoir.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 18.43 feet, March 6; minimum gage-height recorded, 1.46 feet, October 15.

PRECIPITATION RECORDS

PERIOD OF RECORD.—April 20, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02392000 ETOWAH RIVER AT CANTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 057
LATITUDE 341423 LONGITUDE 0842947 NAD27 DRAINAGE AREA 613.00* CONTRIBUTING DRAINAGE AREA DATUM 844.55 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	482	829	771	1420	1270	2400	1230	1540	1200	2160	2140	903
2	426	729	742	1540	1140	1980	1230	1500	1120	8560	1430	816
3	384	648	724	1550	1060	1750	1180	1560	1180	4430	1580	797
4	356	607	741	1470	1190	1580	1180	1350	1400	2620	2180	814
5	371	788	4740	1330	1300	1520	1240	1380	1400	2150	1900	1030
6	384	3010	3050	1250	1140	9580	1440	5320	1190	1930	1530	841
7	375	1810	1710	1180	1660	7990	1350	8900	1590	1760	1510	785
8	361	1110	1310	1140	1630	3450	1420	6340	2170	1770	1350	e767
9	354	875	1090	1130	1340	2680	1410	3630	1570	1540	1220	e752
10	338	826	1170	1190	1350	2260	1530	3080	1330	1720	1230	e734
11	328	1230	3930	1170	1380	2020	1590	2920	1210	4160	1180	e724
12	327	1690	2400	1080	1240	1860	1440	2870	1230	2400	1130	e712
13	327	1240	1860	1030	1150	1740	1320	2650	1820	2180	1110	e700
14	326	985	2170	1020	1120	1670	1230	2310	2080	2320	1120	e689
15	323	860	1820	998	1150	1590	1180	2270	1610	1810	1040	e686
16	1110	1570	1460	973	1440	1560	1160	2270	1360	1590	1070	e672
17	980	2040	1280	998	2320	1560	1160	1900	5180	1970	1080	e660
18	675	1330	1150	965	1680	1690	1530	2070	3140	1670	1070	e653
19	547	1060	1090	935	1400	1640	1460	2350	4920	1450	955	e645
20	464	960	2270	920	1280	1910	1290	2100	2590	1370	921	e638
21	483	1360	2110	923	1230	1940	1310	1980	1900	1290	923	e629
22	530	1720	1510	953	3440	1680	1780	2430	1590	1280	893	e738
23	489	1250	1330	927	4280	1560	1390	3030	1430	1480	878	2070
24	441	1030	4200	888	2300	1480	1250	2380	1330	1310	856	1180
25	408	919	5350	876	1820	1420	1750	2070	1250	1180	823	851
26	393	850	2690	871	1620	1380	2460	1900	1190	1120	813	785
27	392	834	2020	848	2530	1350	1820	1660	1150	1090	802	779
28	615	829	1680	837	3800	1320	1490	1470	1150	1060	798	821
29	2570	808	1500	902	---	1300	1340	1350	1120	1030	857	799
30	1610	793	1380	1840	---	1330	1270	1280	1080	1010	852	e748
31	1050	---	1300	1580	---	1310	---	1220	---	1310	945	---
TOTAL	18219	34590	60548	34734	48260	68500	42430	79080	52480	62720	36186	24418
MEAN	588	1153	1953	1120	1724	2210	1414	2551	1749	2023	1167	814
MAX	2570	3010	5350	1840	4280	9580	2460	8900	5180	8560	2180	2070
MIN	323	607	724	837	1060	1300	1160	1220	1080	1010	798	629
CFSM	0.96	1.88	3.19	1.83	2.81	3.60	2.31	4.16	2.85	3.30	1.90	1.33
IN.	1.11	2.10	3.67	2.11	2.93	4.16	2.57	4.80	3.18	3.81	2.20	1.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 2003, BY WATER YEAR (WY)

MEAN	701	810	1111	1528	1796	2072	1842	1371	1085	938	813	629
MAX	3302	2461	3258	3939	3933	5163	5262	2889	3391	2023	2534	1964
(WY)	1990	1978	1962	1946	1903	1980	1964	1973	1900	2003	1901	1898
MIN	214	294	415	425	612	620	542	457	280	212	163	201
(WY)	1955	1982	1956	1956	1941	1988	1986	1941	1988	1986	2002	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1897 - 2003	
ANNUAL TOTAL	309536		562165			
ANNUAL MEAN	848		1540		1222	
HIGHEST ANNUAL MEAN					1979	1901
LOWEST ANNUAL MEAN					510	1986
HIGHEST DAILY MEAN	6090	Mar 31	9580	Mar 6	22700	Jan 7 1946
LOWEST DAILY MEAN	82	Sep 13	323	Oct 15	82	Sep 13 2002
ANNUAL SEVEN-DAY MINIMUM	94	Sep 7	332	Oct 9	94	Sep 7 2002
MAXIMUM PEAK FLOW			13600	Mar 6	32300	Jan 7 1946
MAXIMUM PEAK STAGE			18.43	Mar 6	26.70	Jan 7 1946
INSTANTANEOUS LOW FLOW			319	Oct 15	82	Sep 13 2002
ANNUAL RUNOFF (CFSM)	1.38		2.51		1.99	
ANNUAL RUNOFF (INCHES)	18.78		34.12		27.08	
10 PERCENT EXCEEDS	1590		2400		2150	
50 PERCENT EXCEEDS	745		1300		920	
90 PERCENT EXCEEDS	176		696		412	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02392000 ETOWAH RIVER AT CANTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 057
LATITUDE 341423 LONGITUDE 0842947 NAD27 DRAINAGE AREA 613.00* CONTRIBUTING DRAINAGE AREA DATUM 844.55 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.88	2.68	2.56	3.84	3.57	5.53	3.52	4.07	3.46	4.96	5.09	2.92
2	1.74	2.47	2.50	4.07	3.30	4.82	3.51	4.00	3.33	13.28	3.87	2.76
3	1.63	2.30	2.46	4.09	3.14	4.44	3.43	4.10	3.43	8.46	4.13	2.72
4	1.56	2.21	2.50	3.94	3.40	4.13	3.43	3.73	3.82	5.89	5.16	2.76
5	1.60	2.58	8.66	3.68	3.61	4.03	3.53	3.78	3.83	5.11	4.68	3.15
6	1.63	6.50	6.53	3.51	3.31	14.05	3.90	9.33	3.45	4.73	4.05	2.81
7	1.61	4.53	4.36	3.39	4.26	12.47	3.73	13.64	4.15	4.45	4.01	2.70
8	1.57	3.25	3.63	3.31	4.22	7.20	3.86	10.73	5.14	4.46	3.74	---
9	1.55	2.77	3.21	3.27	3.70	5.98	3.84	7.47	4.12	4.07	3.50	---
10	1.51	2.67	3.33	3.41	3.71	5.30	4.06	6.63	3.70	4.36	3.52	---
11	1.48	3.47	7.83	3.36	3.78	4.89	4.16	6.37	3.48	8.10	3.42	---
12	1.48	4.33	5.53	3.18	3.49	4.62	3.89	6.30	3.52	5.53	3.34	---
13	1.48	3.50	4.63	3.10	3.33	4.42	3.69	5.93	4.55	5.16	3.30	---
14	1.48	2.99	5.14	3.07	3.26	4.29	3.53	5.37	4.99	5.39	3.33	---
15	1.47	2.75	4.56	3.02	3.33	4.16	3.44	5.31	4.18	4.54	3.18	---
16	3.14	4.08	3.93	2.97	3.86	4.11	3.39	5.30	3.76	4.16	3.24	---
17	2.98	4.92	3.57	3.02	5.40	4.10	3.40	4.69	9.27	4.81	3.25	---
18	2.35	3.68	3.31	2.96	4.31	4.33	4.05	4.97	6.67	4.30	3.24	---
19	2.05	3.14	3.21	2.89	3.80	4.24	3.93	5.44	9.06	3.91	3.02	---
20	1.84	2.94	5.30	2.87	3.57	4.71	3.63	5.02	5.84	3.77	2.96	---
21	1.88	3.71	5.04	2.87	3.49	4.75	3.67	4.82	4.69	3.63	2.96	---
22	2.00	4.38	4.02	2.93	6.89	4.31	4.48	5.57	4.15	3.61	2.90	---
23	1.90	3.52	3.67	2.88	8.24	4.10	3.81	6.54	3.88	3.97	2.88	4.97
24	1.78	3.09	7.81	2.80	5.36	3.96	3.55	5.49	3.69	3.67	2.83	3.43
25	1.69	2.86	9.58	2.77	4.55	3.85	4.42	4.98	3.56	3.44	2.77	2.83
26	1.65	2.72	5.99	2.76	4.21	3.79	5.62	4.69	3.45	3.33	2.75	2.70
27	1.65	2.69	4.89	2.72	5.69	3.74	4.55	4.28	3.38	3.27	2.73	2.69
28	2.15	2.68	4.32	2.70	7.65	3.68	3.98	3.94	3.37	3.22	2.73	2.77
29	5.81	2.64	4.00	2.83	---	3.65	3.72	3.74	3.32	3.16	2.84	2.73
30	4.17	2.61	3.76	4.57	---	3.70	3.59	3.61	3.25	3.13	2.83	---
31	3.13	---	3.62	4.13	---	3.66	---	3.50	---	3.65	3.00	---
MEAN	2.06	3.29	4.63	3.26	4.30	5.00	3.84	5.59	4.35	4.76	3.40	---
MAX	5.81	6.50	9.58	4.57	8.24	14.05	5.62	13.64	9.27	13.28	5.16	---
MIN	1.47	2.21	2.46	2.70	3.14	3.65	3.39	3.50	3.25	3.13	2.73	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02392000 ETOWAH RIVER AT CANTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 057
LATITUDE 341423 LONGITUDE 0842947 NAD27 DRAINAGE AREA 613.00* CONTRIBUTING DRAINAGE AREA DATUM 844.55 NGVD29

APPROVED

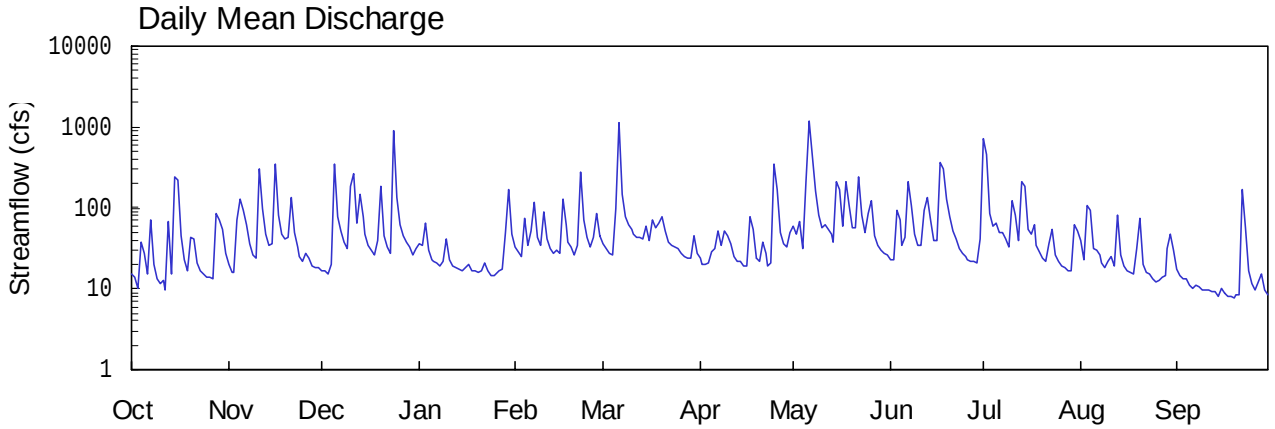
Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

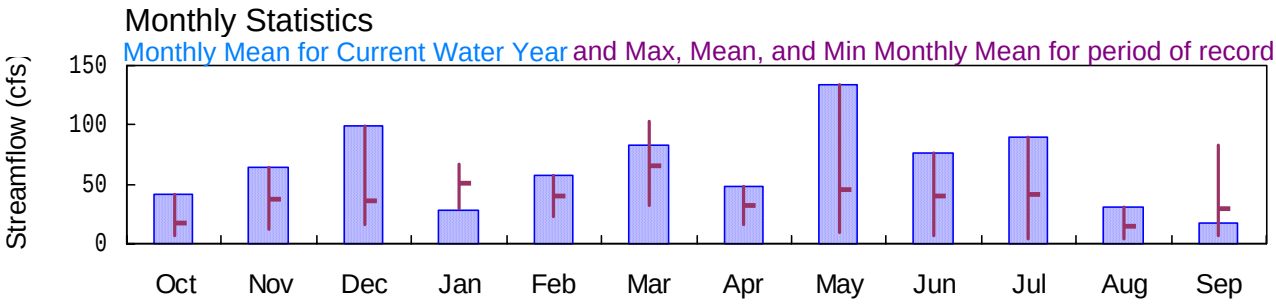
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.01	0.00	3.45	0.00	0.00
2	0.00	0.00	0.02	0.35	0.00	0.00	0.00	0.58	0.00	0.11	0.00	0.00
3	0.00	0.31	0.00	0.01	0.00	0.00	0.00	0.00	0.31	0.00	0.81	0.00
4	0.41	0.12	1.72	0.00	0.61	0.01	0.00	0.00	0.10	0.01	0.17	0.06
5	0.00	1.85	0.81	0.00	0.00	0.83	0.24	---	0.00	0.07	0.03	0.00
6	0.10	0.00	0.00	0.00	0.71	2.37	0.12	---	0.77	0.32	0.98	0.00
7	0.02	0.00	0.00	0.00	0.03	0.00	0.18	---	0.34	0.04	0.00	0.02
8	0.00	0.00	0.00	0.00	0.00	0.00	0.13	---	0.00	0.14	0.00	0.00
9	0.00	0.02	0.00	0.20	0.12	0.00	0.46	---	0.00	0.01	0.00	0.00
10	0.06	0.03	1.95	0.04	0.29	0.00	0.14	---	0.00	0.97	0.00	0.00
11	0.05	1.10	0.03	0.00	0.00	0.00	0.00	---	0.07	0.00	0.00	0.00
12	0.07	0.15	0.00	0.00	0.00	0.00	0.01	---	0.56	0.11	0.08	0.00
13	0.01	0.00	0.66	0.00	0.00	0.00	0.00	---	0.63	1.26	0.34	0.00
14	0.00	0.07	0.00	0.00	0.14	0.00	0.00	---	0.00	0.01	0.00	0.44
15	1.49	1.12	0.00	0.00	0.00	0.18	0.00	---	0.00	0.00	0.00	0.00
16	0.00	0.57	0.00	0.18	0.46	0.00	0.00	---	0.95	0.27	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.50	0.43	---	1.31	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.01	0.00	---	0.43	0.00	0.00	0.00
19	0.00	0.09	1.36	0.00	0.00	0.22	0.00	---	0.08	0.00	0.00	0.00
20	0.25	0.67	0.01	0.00	0.01	0.06	0.00	---	0.00	0.00	0.00	0.00
21	1.03	0.32	0.01	0.17	0.31	0.00	0.42	---	0.00	0.00	0.00	0.02
22	0.01	0.00	0.01	0.01	1.37	0.00	0.00	---	0.00	0.17	0.00	1.78
23	0.00	0.00	0.07	0.00	0.00	0.00	0.00	---	0.00	0.07	0.00	0.01
24	0.00	0.00	2.11	0.00	0.01	0.00	0.27	---	0.00	0.00	0.00	0.00
25	0.15	0.00	0.01	0.00	0.00	0.00	1.63	---	0.00	0.00	0.00	0.00
26	0.00	0.02	0.00	0.00	0.39	0.00	0.00	---	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.90	0.00	0.00	---	0.00	0.00	0.00	0.20
28	1.62	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00
29	0.29	0.00	0.00	1.20	---	0.15	0.00	0.02	0.00	0.00	0.27	0.00
30	0.00	0.00	0.00	0.09	---	0.18	0.55	0.00	0.37	0.98	0.01	0.00
31	0.00	---	0.19	0.00	---	0.00	---	0.00	---	0.65	0.04	---
TOTAL	5.56	6.44	8.97	2.33	5.35	4.51	4.58	---	5.92	8.64	2.94	2.53

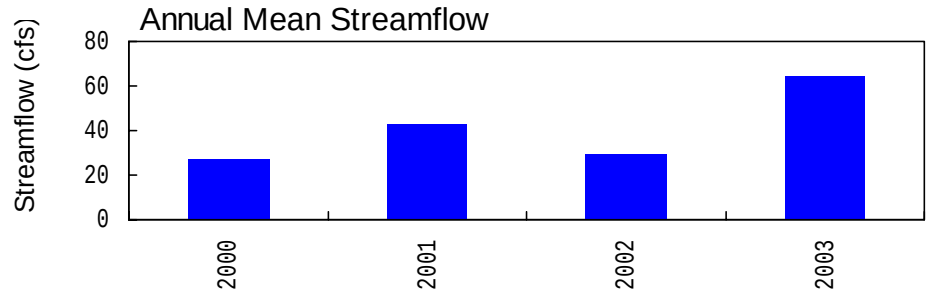
2003 Water Year

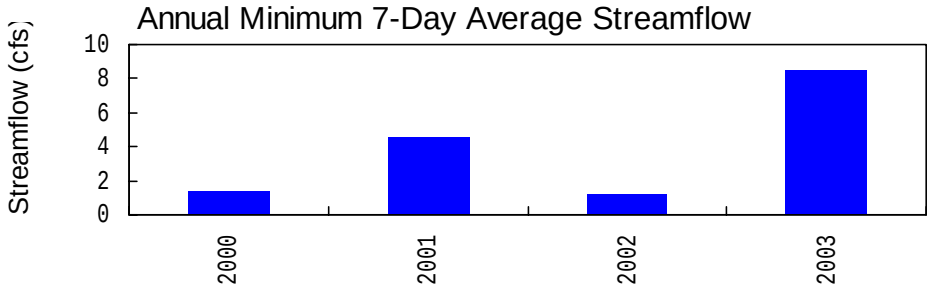
02392950 NOONDAY CREEK AT HAWKINS STORE RD, NR WOODSTOCK,GA

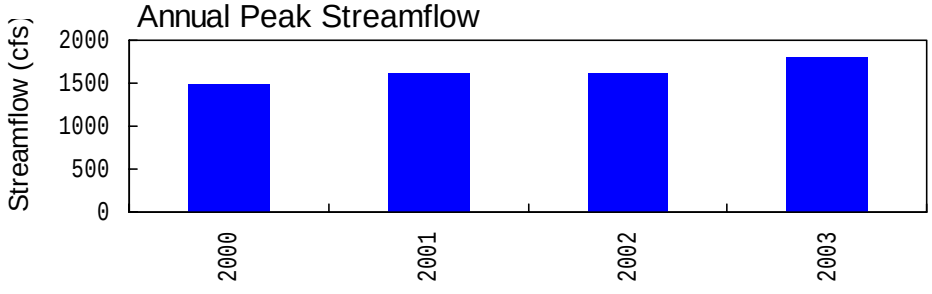
Latitude: 34°03'23" Longitude: 084°32'08" Hydrologic Unit Code: 03150104 Cobb County
Drainage Area: 24.3 mi^2 Datum: 895.0 feet











MOBILE RIVER BASIN
2003 Water Year

02392950 NOONDAY CREEK AT HAWKINS STORE ROAD, NEAR WOODSTOCK, GA

LOCATION.—Lat 34°03'23", long 84°32'08" referenced to North American Datum (NAD) of 1983, Cobb County, Hydrologic Unit 03130104, on the right upstream bridge abutment of Hawkins Store Road bridge, 0.3 miles upstream from Little Noonday Creek, 3.1 miles south of Woodstock, and 9.6 miles above mouth.

DRAINAGE AREA.—24.3 square miles.

COOPERATION.—Cobb County Water System.

WATER–DISCHARGE RECORDS

PERIOD OF RECORD.—July 14, 1998 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is approximately 895.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except for those periods of estimated daily discharge, which are fair.

WATER–STAGE RECORDS

PERIOD OF RECORD.—August 1998 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is approximately 895.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 10.07 feet, May 6; minimum gage-height recorded, 1.75 feet, September 20.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02392950 NOONDAY CREEK AT HAWKINS STORE RD, NR WOODSTOCK,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 340323 LONGITUDE 0843208 NAD83 DRAINAGE AREA 24.3 CONTRIBUTING DRAINAGE AREA 24.3* DATUM 895.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	20	16	36	34	36	24	59	23	719	39	17
2	14	16	17	35	29	32	20	47	22	466	23	15
3	10	16	15	e65	25	28	20	67	93	86	105	13
4	37	e70	e20	e30	75	27	21	32	71	58	92	13
5	27	e126	e350	23	34	99	29	212	34	65	32	11
6	15	e93	e79	22	53	1120	31	1160	43	49	29	10
7	70	62	e52	21	115	150	53	436	213	49	26	11
8	20	36	e37	20	43	80	34	163	108	41	21	11
9	13	27	e31	22	34	62	51	80	47	33	18	9.6
10	12	24	e187	42	89	53	46	56	35	123	22	9.9
11	13	298	262	23	41	48	36	61	34	82	25	9.8
12	9.8	97	65	19	31	43	25	54	95	40	19	9.1
13	67	47	146	18	28	43	22	48	135	208	83	9.1
14	16	34	78	18	30	41	22	38	71	182	27	8.2
15	242	36	47	17	28	60	19	e210	39	55	19	10
16	217	347	35	19	131	40	19	167	39	48	17	8.7
17	46	82	30	20	63	72	77	60	366	61	16	8.0
18	22	48	26	17	37	56	55	213	304	34	15	8.2
19	17	41	40	16	33	e64	24	105	127	29	31	7.7
20	43	42	184	16	27	80	22	57	77	24	75	8.4
21	40	133	46	17	34	51	38	57	52	22	20	8.5
22	21	50	33	20	273	38	28	246	42	36	16	169
23	16	33	27	16	70	35	20	80	32	54	15	57
24	15	25	898	14	44	34	21	50	27	27	13	17
25	14	22	135	15	34	32	342	87	26	22	12	11
26	14	28	61	16	42	27	169	121	23	19	13	9.6
27	13	24	46	17	85	25	50	46	22	18	14	12
28	e84	19	39	17	45	24	36	35	22	17	15	15
29	e72	18	32	50	---	24	32	30	21	17	32	9.6
30	53	18	27	165	---	45	51	28	42	63	47	8.3
31	28	---	31	48	---	27	---	27	---	51	30	---
TOTAL	1295.8	1932	3092	894	1607	2596	1437	4132	2285	2798	961	524.7
MEAN	41.8	64.4	99.7	28.8	57.4	83.7	47.9	133	76.2	90.3	31.0	17.5
MAX	242	347	898	165	273	1120	342	1160	366	719	105	169
MIN	9.8	16	15	14	25	24	19	27	21	17	12	7.7
CFSM	1.72	2.65	4.10	1.19	2.36	3.45	1.97	5.49	3.13	3.71	1.28	0.72
IN.	1.98	2.96	4.73	1.37	2.46	3.97	2.20	6.33	3.50	4.28	1.47	0.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	17.5	36.9	36.1	50.4	39.7	65.4	32.3	46.1	40.5	41.4	15.0	30.1
MAX	41.8	64.4	99.7	67.0	57.4	103	47.9	133	76.2	90.3	31.0	83.3
(WY)	2003	2003	2003	2002	2003	2001	2003	2003	2003	2003	2003	2000
MIN	6.48	12.3	16.3	28.8	22.9	31.6	16.5	8.89	7.10	3.51	4.17	6.12
(WY)	1999	2002	2000	2003	2002	1999	1999	2000	2000	2000	2002	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	15601.6		23554.5			
ANNUAL MEAN	42.7		64.5		37.8	
HIGHEST ANNUAL MEAN					64.5	2003
LOWEST ANNUAL MEAN					25.5	1999
HIGHEST DAILY MEAN	898	Dec 24	1160	May 6	1160	May 6 2003
LOWEST DAILY MEAN	1.0	Sep 12	7.7	Sep 19	1.0	Sep 12 2002
ANNUAL SEVEN-DAY MINIMUM	1.2	Sep 6	8.5	Sep 14	1.2	Sep 6 2002
MAXIMUM PEAK FLOW			1800	May 6	1800	May 6 2003
MAXIMUM PEAK STAGE			10.07	May 6	10.07	May 6 2003
INSTANTANEOUS LOW FLOW			7.1	Sep 20	0.73	Sep 13 2002
ANNUAL RUNOFF (CFSM)	1.76		2.66		1.56	
ANNUAL RUNOFF (INCHES)	23.88		36.06		21.16	
10 PERCENT EXCEEDS	84		129		75	
50 PERCENT EXCEEDS	15		34		15	
90 PERCENT EXCEEDS	3.6		14		4.9	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02392950 NOONDAY CREEK AT HAWKINS STORE RD, NR WOODSTOCK,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 340323 LONGITUDE 0843208 NAD83 DRAINAGE AREA 24.3 CONTRIBUTING DRAINAGE AREA 24.3* DATUM 895.00 NGVD29

APPROVED

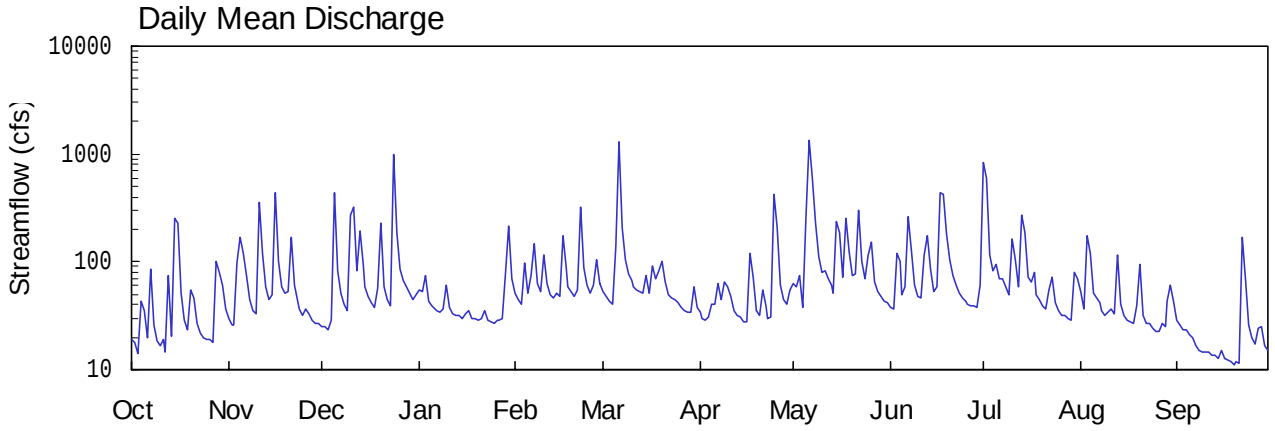
Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

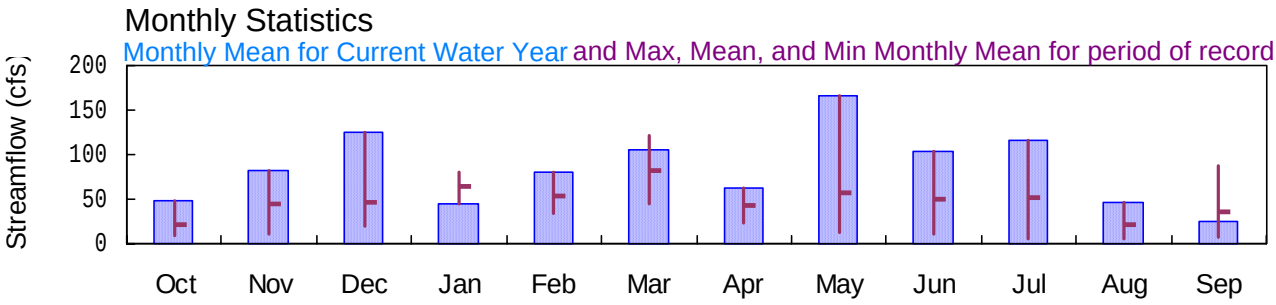
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.06	2.16	2.09	2.38	2.36	2.38	2.15	2.53	2.13	5.67	2.33	2.03
2	2.04	2.09	2.09	2.35	2.30	2.34	2.08	2.36	2.13	4.70	2.13	1.98
3	1.93	---	2.06	---	2.25	2.28	2.07	2.60	2.82	2.80	2.88	1.94
4	2.21	---	---	---	2.73	2.27	2.11	2.26	2.65	2.55	2.81	1.92
5	2.25	---	---	2.22	2.37	2.64	2.21	3.23	2.28	2.61	2.26	1.89
6	2.06	---	---	2.19	2.51	7.42	2.23	7.62	2.35	2.44	2.23	1.85
7	2.69	2.65	---	2.17	3.05	3.27	2.49	4.63	3.56	2.45	2.18	1.87
8	2.15	2.38	---	2.15	2.46	2.75	2.28	3.33	2.93	2.36	2.09	1.86
9	2.02	2.27	---	2.19	2.37	2.58	2.47	2.75	2.42	2.27	2.05	1.83
10	1.97	2.24	---	2.44	2.87	2.49	2.41	2.52	2.30	2.85	2.09	1.84
11	2.01	3.93	3.83	2.22	2.44	2.43	2.30	2.56	2.27	2.75	2.15	1.84
12	1.91	2.95	2.69	2.14	2.33	2.39	2.16	2.50	2.70	2.35	2.06	1.82
13	2.64	2.51	3.27	2.13	2.29	2.38	2.12	2.43	3.14	3.51	2.74	1.82
14	2.07	2.36	2.80	2.12	2.31	2.36	2.12	2.33	2.66	3.36	2.19	1.79
15	3.57	2.36	2.50	2.10	2.29	2.55	2.07	---	2.34	2.51	2.06	1.85
16	3.60	4.28	2.38	2.13	3.14	2.35	2.07	3.31	2.33	2.42	2.02	1.81
17	2.49	2.83	2.32	2.17	2.66	2.64	2.51	2.57	4.25	2.56	2.00	1.78
18	2.20	2.51	2.26	2.10	2.40	2.52	2.49	3.56	4.03	2.28	1.98	1.79
19	2.10	2.44	2.36	2.09	2.35	---	2.15	2.95	3.12	2.23	2.08	1.77
20	2.37	2.44	3.42	2.08	2.27	2.74	2.11	2.53	2.73	2.15	2.62	1.79
21	2.43	3.20	2.49	2.10	2.35	2.47	2.31	2.51	2.48	2.11	2.08	1.80
22	2.19	2.53	2.35	2.17	3.84	2.33	2.21	3.75	2.37	2.27	2.00	3.00
23	2.09	2.35	2.28	2.09	2.72	2.30	2.07	2.75	2.26	2.50	1.98	2.57
24	2.06	2.25	6.40	2.05	2.47	2.28	2.09	2.46	2.19	2.19	1.94	2.10
25	2.04	2.20	3.21	2.05	2.36	2.26	4.16	2.64	2.17	2.11	1.91	1.97
26	2.04	2.27	2.64	2.09	2.44	2.20	3.31	3.02	2.13	2.06	1.93	1.91
27	2.02	2.22	2.49	2.10	2.86	2.17	2.46	2.41	2.12	2.05	1.96	1.96
28	---	2.15	2.42	2.11	2.49	2.15	2.31	2.30	2.12	2.02	1.96	2.05
29	---	2.13	2.34	2.44	---	2.15	2.26	2.23	2.11	2.02	2.21	1.91
30	2.56	2.12	2.27	3.35	---	2.40	2.44	2.20	2.30	2.52	2.40	1.87
31	2.28	---	2.32	2.51	---	2.20	---	2.19	---	2.45	2.22	---
MEAN	---	---	---	---	2.55	---	2.34	---	2.58	2.62	2.18	1.94
MAX	---	---	---	---	3.84	---	4.16	---	4.25	5.67	2.88	3.00
MIN	---	---	---	---	2.25	---	2.07	---	2.11	2.02	1.91	1.77

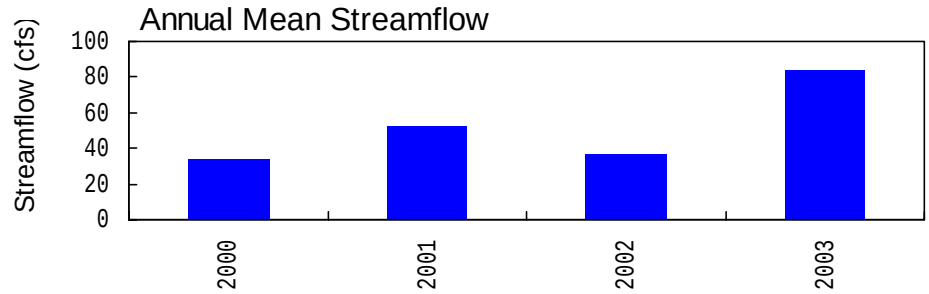
2003 Water Year

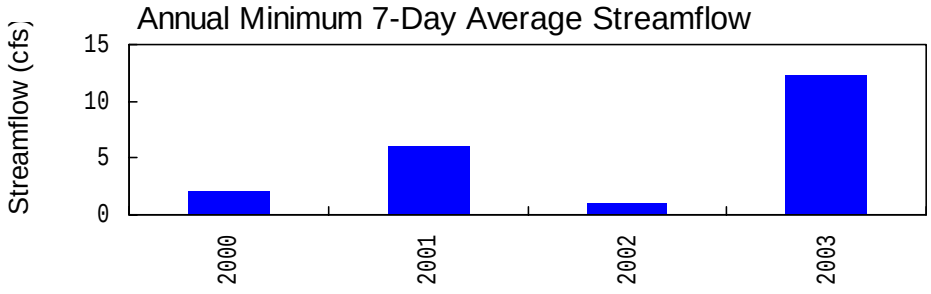
02392975 NOONDAY CREEK AT SHALLOWFORD ROAD, NR WOODSTOCK,GA

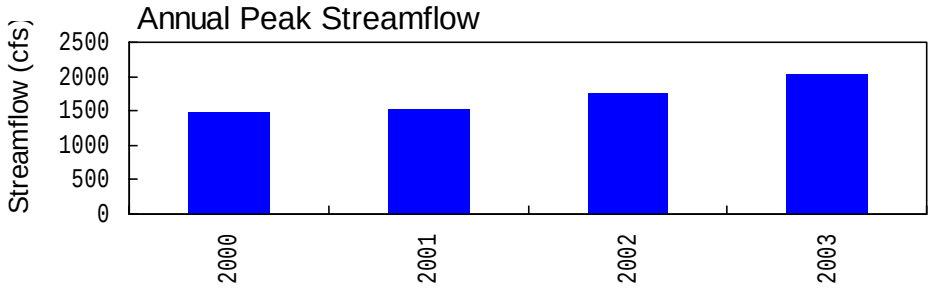
Latitude: 34°04'06" Longitude: 084°32'08" Hydrologic Unit Code: 03150104 Cobb County
Drainage Area: 33.6 mi^2 Datum: 890.0 feet











MOBILE RIVER BASIN
2003 Water Year

02392975 NOONDAY CREEK AT SHALLOWFORD ROAD, NEAR WOODSTOCK, GA

LOCATION.—Lat 34°04'06", long 84°32'08" referenced to North American Datum (NAD) of 1983, Cobb County, Hydrologic Unit 03130104, on the right upstream bridge abutment of Shallowford Road bridge, 0.5 miles downstream from Little Noonday Creek, 2.5 miles southwest of Woodstock, and 8.7 miles above mouth.

DRAINAGE AREA.—33.6 square miles.

COOPERATION.—Cobb County Water System.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July 14, 1998 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is approximately 890.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Records good, except from May 8, 2003 to June 10, 2003, and for periods of estimated discharge, which are fair.

WATER–STAGE RECORDS

PERIOD OF RECORD.—August 1998 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is approximately 890.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.— Records good, except from May 8, 2003 to June 10, 2003, and for periods of estimated discharge, which are fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 11.07 feet, March 6; minimum gage-height recorded, 1.40 feet, September 20.

PRECIPITATION RECORDS

PERIOD OF RECORD.—December 18, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02392975 NOONDAY CREEK AT SHALLOWFORD ROAD, NR WOODSTOCK,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 340406 LONGITUDE 0843208 NAD83 DRAINAGE AREA 33.6 CONTRIBUTING DRAINAGE AREA 33.6* DATUM 890.00 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	e30	25	54	52	52	34	63	38	840	53	28
2	18	e26	25	53	45	48	30	58	36	589	36	26
3	14	e26	23	74	41	43	29	75	119	116	174	23
4	44	e96	29	43	98	41	31	38	102	81	122	23
5	35	e169	436	39	51	139	40	258	49	96	51	e21
6	20	e121	81	37	75	1300	41	1360	58	69	47	e20
7	85	e75	52	35	146	204	64	588	265	70	41	e17
8	26	44	40	34	64	104	44	231	129	59	35	e15
9	18	36	35	37	53	77	64	113	61	50	32	15
10	17	33	268	60	116	67	59	80	48	161	33	15
11	e19	359	318	38	63	60	48	84	47	106	36	14
12	15	e121	82	33	50	54	35	70	118	58	33	14
13	75	e58	192	32	47	53	31	60	173	275	118	14
14	21	45	95	31	51	50	31	51	86	189	41	13
15	e252	49	60	30	48	75	28	235	54	71	32	15
16	e228	437	48	32	173	50	28	185	59	65	29	13
17	52	99	42	35	88	92	121	73	443	79	28	12
18	29	59	38	30	59	68	72	250	420	49	27	12
19	23	51	57	29	54	84	35	125	178	44	39	11
20	55	52	231	29	48	100	32	74	104	39	94	12
21	46	169	58	30	55	64	55	77	74	37	32	12
22	27	61	45	35	327	50	40	300	62	54	27	167
23	22	44	39	29	89	47	29	103	51	71	27	70
24	20	36	994	28	61	44	31	70	46	42	24	26
25	19	32	187	27	51	42	420	115	44	36	23	19
26	e19	36	87	28	61	38	205	153	40	32	23	17
27	e18	33	67	29	105	35	62	65	39	31	27	24
28	102	28	58	30	62	34	45	53	39	29	25	25
29	e80	27	51	76	---	34	41	47	38	29	44	17
30	e60	27	45	211	---	59	55	44	61	81	60	15
31	e36	---	49	69	---	37	---	42	---	70	43	---
TOTAL	1514	2479	3857	1377	2233	3245	1880	5140	3081	3618	1456	725
MEAN	48.8	82.6	124	44.4	79.8	105	62.7	166	103	117	47.0	24.2
MAX	252	437	994	211	327	1300	420	1360	443	840	174	167
MIN	14	26	23	27	41	34	28	38	36	29	23	11
CFSM	1.45	2.46	3.70	1.32	2.37	3.12	1.87	4.93	3.06	3.47	1.40	0.72
IN.	1.68	2.74	4.27	1.52	2.47	3.59	2.08	5.69	3.41	4.01	1.61	0.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	21.3	45.0	46.7	63.5	53.5	81.7	43.3	57.8	50.6	50.9	21.1	35.5
MAX	48.8	82.6	124	80.4	79.8	122	62.7	166	103	117	47.0	88.4
(WY)	2003	2003	2003	2002	2003	2001	2003	2003	2003	2003	2003	2000
MIN	8.69	11.0	20.1	44.4	33.8	43.9	23.5	12.6	10.2	5.37	5.21	7.49
(WY)	2001	2002	2000	2003	2002	1999	1999	2000	2000	2000	2002	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	19639.23		30605			
ANNUAL MEAN	53.8		83.8		47.7	
HIGHEST ANNUAL MEAN					83.8	2003
LOWEST ANNUAL MEAN					31.8	1999
HIGHEST DAILY MEAN	994	Dec 24	1360	May 6	1360	May 6 2003
LOWEST DAILY MEAN	0.77	Sep 5	11	Sep 19	0.77	Sep 5 2002
ANNUAL SEVEN-DAY MINIMUM	0.92	Sep 4	12	Sep 15	0.92	Sep 4 2002
MAXIMUM PEAK FLOW			2030	Mar 6	2030	Mar 6 2003
MAXIMUM PEAK STAGE			11.07	Mar 6	11.07	Mar 6 2003
ANNUAL RUNOFF (CFSM)	1.60		2.50		1.42	
ANNUAL RUNOFF (INCHES)	21.74		33.88		19.31	
10 PERCENT EXCEEDS	100		171		93	
50 PERCENT EXCEEDS	23		48		23	
90 PERCENT EXCEEDS	4.9		23		6.5	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02392975 NOONDAY CREEK AT SHALLOWFORD ROAD, NR WOODSTOCK,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 340406 LONGITUDE 0843208 NAD83 DRAINAGE AREA 33.6 CONTRIBUTING DRAINAGE AREA 33.6* DATUM 890.00 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.70	---	1.83	2.21	2.18	2.18	1.93	2.29	1.89	6.16	2.21	1.85
2	1.67	---	1.83	2.17	2.09	2.13	1.85	2.15	1.87	5.24	1.98	1.80
3	1.56	---	1.80	2.42	2.03	2.06	1.84	2.40	2.73	2.84	3.18	1.75
4	1.90	---	1.87	2.07	2.61	2.03	1.87	2.00	2.60	2.53	2.83	1.75
5	1.97	---	4.63	2.01	2.17	2.57	2.01	3.27	2.04	2.66	2.18	---
6	1.71	---	2.56	1.98	2.37	8.24	2.02	8.51	2.11	2.40	2.13	---
7	2.53	---	2.25	1.95	3.02	3.47	2.32	5.34	3.71	2.40	2.06	---
8	1.84	2.15	2.09	1.93	2.32	2.73	2.07	3.62	2.82	2.28	1.96	---
9	1.68	2.03	2.01	1.98	2.19	2.47	2.32	2.82	2.18	2.17	1.91	1.53
10	1.63	1.98	3.34	2.28	2.79	2.35	2.25	2.52	2.02	2.92	1.93	1.53
11	---	4.16	4.05	2.00	2.31	2.27	2.12	2.54	2.01	2.74	1.98	1.52
12	1.58	---	2.58	1.91	2.16	2.21	1.95	2.41	2.55	2.27	1.92	1.50
13	2.41	---	3.38	1.90	2.12	2.19	1.89	2.30	3.17	3.81	2.81	1.51
14	1.74	2.16	2.70	1.89	2.17	2.16	1.88	2.19	2.46	3.30	2.05	1.48
15	---	2.17	2.34	1.86	2.13	2.43	1.82	3.52	2.10	2.42	1.91	1.54
16	---	4.72	2.20	1.90	3.20	2.16	1.82	3.28	2.16	2.34	1.86	1.48
17	2.24	2.73	2.13	1.94	2.57	2.56	2.53	2.40	4.59	2.48	1.84	1.46
18	1.91	2.33	2.06	1.85	2.26	2.37	2.39	3.67	4.56	2.17	1.81	1.46
19	1.79	2.23	2.21	1.85	2.20	2.52	1.95	2.86	3.25	2.10	1.90	1.43
20	2.15	2.23	3.55	1.84	2.12	2.68	1.89	2.37	2.65	2.03	2.54	1.45
21	2.16	3.24	2.32	1.86	2.21	2.32	2.18	2.36	2.33	1.99	1.91	1.44
22	1.87	2.36	2.16	1.94	4.04	2.15	2.01	3.94	2.19	2.19	1.82	2.71
23	1.77	2.14	2.07	1.84	2.59	2.11	1.85	2.64	2.07	2.42	1.82	2.40
24	1.72	2.03	6.80	1.82	2.28	2.08	1.86	2.28	2.00	2.07	1.76	1.85
25	1.70	1.97	3.34	1.79	2.17	2.05	4.52	2.55	1.97	1.97	1.73	1.71
26	---	2.03	2.56	1.83	2.27	1.99	3.38	2.99	1.93	1.91	1.74	1.65
27	---	1.99	2.36	1.84	2.74	1.95	2.29	2.24	1.91	1.90	1.81	1.78
28	2.44	1.90	2.26	1.85	2.30	1.93	2.10	2.10	1.90	1.87	1.79	1.82
29	---	1.88	2.17	2.32	---	1.93	2.03	2.02	1.89	1.86	2.06	1.64
30	---	1.87	2.09	3.46	---	2.25	2.19	1.97	2.13	2.43	2.27	1.60
31	---	---	2.14	2.38	---	1.98	---	1.95	---	2.36	2.08	---
MEAN	---	---	2.63	2.03	2.41	2.47	2.17	2.89	2.46	2.59	2.06	---
MAX	---	---	6.80	3.46	4.04	8.24	4.52	8.51	4.59	6.16	3.18	---
MIN	---	---	1.80	1.79	2.03	1.93	1.82	1.95	1.87	1.86	1.73	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02392975 NOONDAY CREEK AT SHALLOWFORD ROAD, NR WOODSTOCK,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 067
LATITUDE 340406 LONGITUDE 0843208 NAD83 DRAINAGE AREA 33.6 CONTRIBUTING DRAINAGE AREA 33.6* DATUM 890.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	0.00	0.04	0.00	0.00	0.00	0.00	0.00	3.28	0.00	0.00
2	0.00	---	0.00	0.28	0.00	0.00	0.00	0.34	0.00	0.02	0.00	0.00
3	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	1.95	0.00
4	0.40	---	1.16	0.00	0.29	0.01	0.00	0.00	0.13	0.33	0.22	0.03
5	0.01	---	0.85	0.00	0.00	2.23	0.21	2.49	0.00	0.48	0.08	---
6	0.35	---	0.00	0.00	0.68	1.61	0.13	1.57	0.66	0.05	0.09	---
7	0.12	---	0.00	0.00	0.03	0.00	0.07	0.45	0.23	0.01	0.00	---
8	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	---
9	0.00	0.00	0.00	0.19	0.13	0.00	0.22	0.00	0.00	0.00	0.00	0.00
10	0.04	0.04	1.66	0.05	0.33	0.00	0.18	0.00	0.00	0.39	0.00	0.00
11	---	1.34	0.01	0.00	0.00	0.00	0.00	0.25	0.08	0.01	0.00	0.00
12	0.35	0.21	0.00	0.00	0.00	0.00	0.00	0.01	0.60	1.70	0.52	0.00
13	0.02	0.00	0.83	0.00	0.00	0.00	0.00	0.00	0.80	0.17	0.20	0.00
14	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.02	0.00	0.00	0.00	0.00
15	---	0.98	0.00	0.00	0.00	0.35	0.00	0.80	0.00	0.00	0.00	0.00
16	---	0.73	0.00	0.11	0.92	0.00	0.00	0.00	0.95	0.29	0.00	0.00
17	0.00	0.00	0.00	0.00	0.01	0.44	1.40	0.02	1.12	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.73	0.00	0.00	0.00
19	0.00	0.08	0.98	0.00	0.00	0.29	0.00	0.02	0.14	0.00	0.00	0.00
20	0.52	0.50	0.01	0.00	0.00	0.04	0.00	0.02	0.01	0.00	0.00	0.00
21	0.06	0.23	0.00	0.11	0.24	0.00	0.88	0.47	0.00	0.00	0.00	0.01
22	0.00	0.00	0.03	0.02	1.01	0.00	0.01	0.66	0.00	0.26	0.32	1.41
23	0.00	0.00	0.07	0.00	0.01	0.00	0.00	0.00	0.00	0.36	0.01	0.00
24	0.00	0.00	2.11	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.01	0.00	0.00	0.00	1.59	0.75	0.00	0.00	0.00	0.00
26	---	0.00	0.00	0.00	0.37	0.00	0.00	0.17	0.00	0.00	0.00	0.00
27	---	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.74
28	0.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00
29	---	0.00	0.00	1.04	---	0.12	0.00	0.00	0.24	0.00	0.12	0.00
30	---	0.00	0.00	0.13	---	0.28	0.11	0.00	0.49	0.31	0.35	0.00
31	---	---	0.15	0.00	---	0.00	---	0.00	---	0.30	0.00	---
TOTAL	---	---	7.87	1.97	4.45	5.37	5.22	8.88	6.78	7.96	3.97	---

MOBILE RIVER BASIN
2003 Water Year

02393500 ALLATOONA LAKE NEAR CARTERSVILLE, GA

LOCATION.—Lat 34°09'46", long 84°43'40" referenced to North American Datum (NAD) of 1927, Bartow County, Hydrologic Unit 03150104, at fore bay of dam on Etowah River, 2.8 miles upstream from Nashville, Chattanooga, & St. Louis Railway bridge, 4.0 miles east of Cartersville, and 6.0 miles upstream from Pumpkinvine Creek.

REMARKS.—Water levels are provided by the U.S. Army Corps of Engineers, Mobile District. Please see the following Internet location for more information:

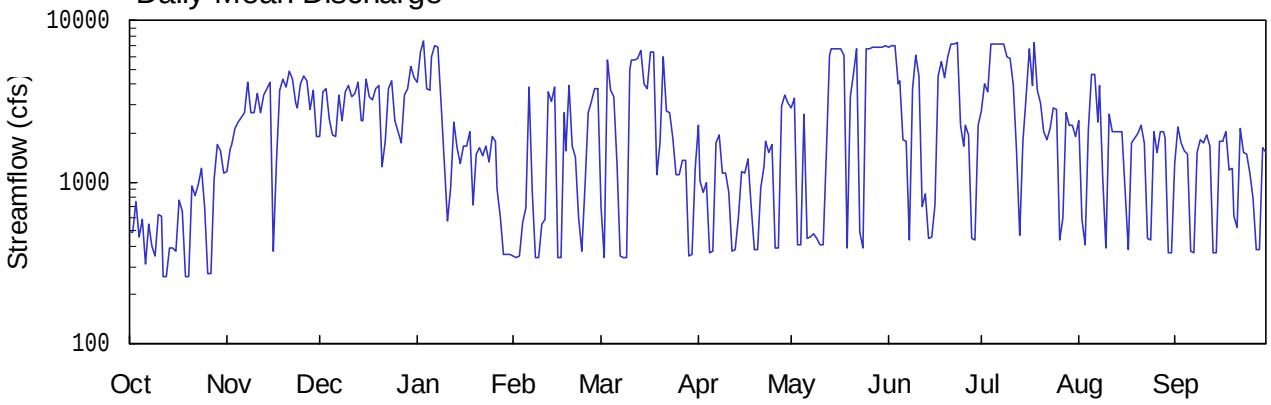
http://water.sam.usace.army.mil/

2003 Water Year

02394000 ETOWAH RIVER AT ALLATOONA DAM, ABV CARTERSVILLE,GA

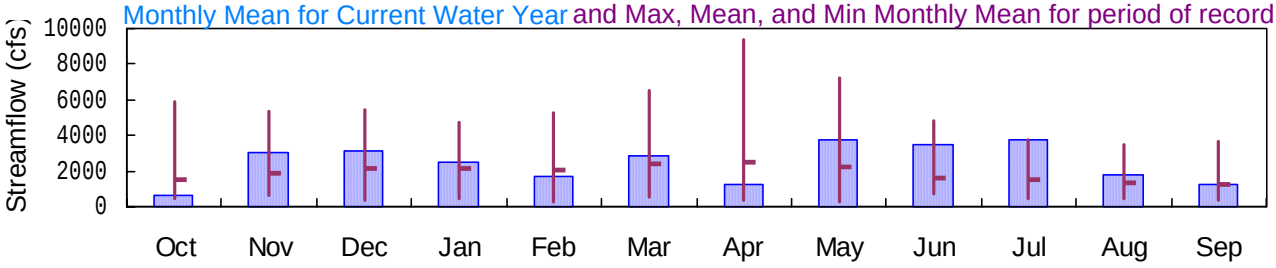
Latitude: 34°09'47" Longitude: 084°44'28" Hydrologic Unit Code: 03150104 Bartow County
Drainage Area: 111 mi² Datum: 686.9 feet

Daily Mean Discharge

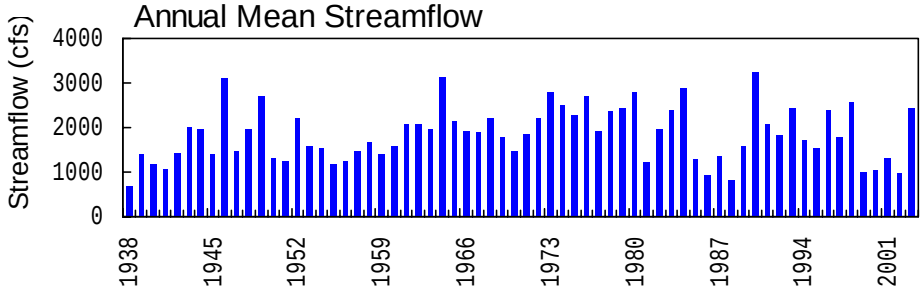


Monthly Statistics

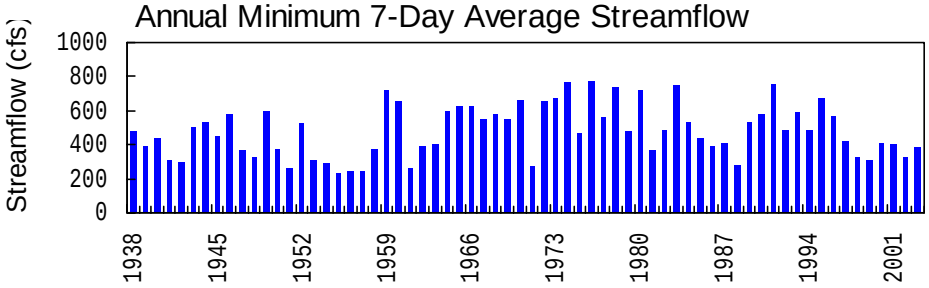
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record

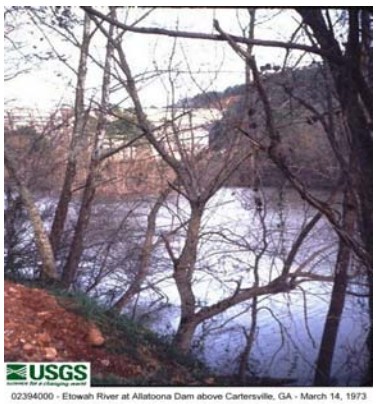


Annual Mean Streamflow

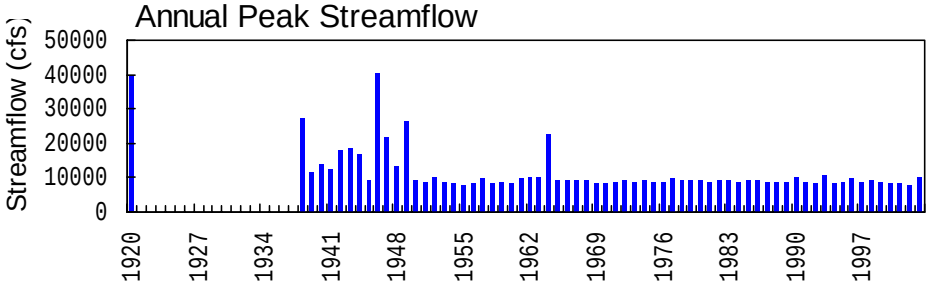


Annual Minimum 7-Day Average Streamflow





Annual Peak Streamflow



MOBILE RIVER BASIN
2003 Water Year

02394000 ETOWAH RIVER AT ALLATOONA DAM, ABOVE CARTERSVILLE, GA

LOCATION.—Lat 34°09'47", long 84°44'28" referenced to North American Datum (NAD) of 1983, Bartow County, Hydrologic Unit 03150104, on right bank 0.8 miles downstream from Allatoona Dam, 2.0 miles upstream from Nashville, Chattanooga, & St. Louis Railway bridge, and 3.0 miles east of Cartersville.

DRAINAGE AREA.—1,120 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—September 1938 to current year. Prior to October 1949, published as Etowah River above Cartersville.

REVISED RECORDS.—WSP 1032: 1944. WDR GA-80-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 686.92 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to December 19, 1938, a non-recording gage was located at same site and datum.

REMARKS.—Records good. Flow regulated by Allatoona Reservoir since December 1949. Statistics prior to regulation are available upon request.

WATER-STAGE RECORDS

PERIOD OF RECORD.—September 1938 to current year. Prior to October 1949, published as Etowah River above Cartersville.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 686.92 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by U.S. Army Corps of Engineers). Prior to December 19, 1938, a non-recording gage was located at same site and datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 8.25 feet, February 6; minimum gage-height recorded, 1.09 feet, May 5.

PRECIPITATION RECORDS

PERIOD OF RECORD.—August 29, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02394000 ETOWAH RIVER AT ALLATOONA DAM, ABV CARTERSVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 015
LATITUDE 340947 LONGITUDE 0844428 NAD27 DRAINAGE AREA 1119 CONTRIBUTING DRAINAGE AREA 1119* DATUM 686.92 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	486	1150	1920	4150	346	705	2250	2860	6870	2740	2370	1300
2	489	1590	3570	6410	343	343	1000	3300	6930	4050	591	2180
3	750	1720	3750	7370	345	5650	854	404	6980	3630	407	1760
4	460	2160	2430	3770	557	3700	978	404	4070	7090	2080	1560
5	593	2330	1940	3700	687	3370	367	2600	4250	7100	4640	1480
6	312	2480	1920	6000	3890	1300	369	449	1810	7130	4640	369
7	554	2680	3420	6890	881	345	1730	462	1800	7130	2360	366
8	e400	4090	2400	6830	343	343	1960	475	438	7170	3940	1530
9	347	2700	3570	3080	343	343	1140	449	3800	5870	1060	1810
10	622	2670	3930	1330	549	4980	1130	406	6010	5780	387	1760
11	616	3490	3340	580	590	5730	870	404	4510	3970	2620	1930
12	261	2710	3550	933	3590	5730	376	1520	704	1550	2050	1670
13	261	3460	4150	2340	3140	5770	379	6010	850	466	2040	366
14	389	3780	2380	1610	3850	6450	602	6640	451	1790	2050	367
15	393	4120	2370	1310	343	4050	1170	6690	453	3380	2050	1770
16	375	376	4300	1680	343	3810	1130	6700	714	6600	882	1780
17	779	1360	3360	1680	2710	6320	1390	6710	4560	3950	378	2060
18	663	3700	3240	2030	1540	6420	702	6030	5560	7210	1750	1190
19	261	4310	3810	726	3940	1100	378	393	4400	3690	1850	1200
20	261	3890	3970	1480	1660	1730	378	3400	5890	3050	1990	618
21	936	4800	1230	1640	1420	5910	931	4580	7170	2050	2250	522
22	832	4300	1770	1450	600	2760	1240	6720	7200	1830	1750	2160
23	958	3050	3790	1650	370	2660	1780	484	7210	2120	449	1530
24	1200	2880	4190	1340	953	1860	1520	391	2230	2840	442	1500
25	687	4060	2370	1920	2700	1100	1710	6580	1660	2840	2030	1120
26	273	4510	2060	1800	3170	1100	394	6700	2240	436	1510	782
27	273	4250	1730	911	3770	1350	391	6740	1970	603	2030	379
28	1030	2810	3430	614	3780	1360	2930	6780	443	2690	2030	378
29	1690	3650	3740	355	---	350	3420	6810	442	2240	1850	1620
30	1550	1920	5190	355	---	354	3080	6830	2260	2250	368	1510
31	1140	---	4410	354	---	1220	---	6880	---	1920	368	---
TOTAL	19841	90996	97230	76288	46753	88213	36549	115801	103875	115165	55212	38567
MEAN	640	3033	3136	2461	1670	2846	1218	3736	3462	3715	1781	1286
MAX	1690	4800	5190	7370	3940	6450	3420	6880	7210	7210	4640	2180
MIN	261	376	1230	354	343	343	367	391	438	436	368	366
CFSM	0.57	2.71	2.80	2.20	1.49	2.54	1.09	3.34	3.09	3.32	1.59	1.15
IN.	0.66	3.03	3.23	2.54	1.55	2.93	1.22	3.85	3.45	3.83	1.84	1.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2003, BY WATER YEAR (WY)

MEAN	1475	1901	2130	2146	2043	2420	2520	2275	1625	1493	1374	1229
MAX	5880	5316	5447	4724	5256	6533	9407	7214	4847	3789	3524	3685
(WY)	1990	1978	1984	1972	1982	1990	1964	1964	1973	1989	1984	1967
MIN	448	667	332	476	268	493	360	288	710	430	423	399
(WY)	1987	1985	1955	1956	1956	2002	1988	1988	2002	1986	1986	1986

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1950 - 2003	
ANNUAL TOTAL	456041		884490			
ANNUAL MEAN	1249		2423		1886	
HIGHEST ANNUAL MEAN					3233	1990
LOWEST ANNUAL MEAN					808	1988
HIGHEST DAILY MEAN	5190	Dec 30	7370	Jan 3	13600	Apr 10 1964
LOWEST DAILY MEAN	222	Jul 27	261	Oct 12	132	Mar 14 1993
ANNUAL SEVEN-DAY MINIMUM	331	Sep 24	379	Jan 29	235	Mar 20 1955
MAXIMUM PEAK FLOW			10100	Feb 6	22600	Mar 22 1964
MAXIMUM PEAK STAGE			8.25	Feb 6	15.00	Mar 22 1964
ANNUAL RUNOFF (CFSM)	1.12		2.17		1.68	
ANNUAL RUNOFF (INCHES)	15.16		29.40		22.89	
10 PERCENT EXCEEDS	3260		5950		4440	
50 PERCENT EXCEEDS	870		1810		1390	
90 PERCENT EXCEEDS	298		377		273	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02394000 ETOWAH RIVER AT ALLATOONA DAM, ABV CARTERSVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 015
LATITUDE 340947 LONGITUDE 0844428 NAD27 DRAINAGE AREA 1119 CONTRIBUTING DRAINAGE AREA 1119* DATUM 686.92 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.29	1.70	2.34	3.91	1.20	1.41	2.55	2.96	5.95	2.94	2.66	1.83
2	1.30	1.99	3.40	5.56	1.20	1.20	1.67	3.34	5.99	3.89	1.35	2.49
3	1.46	2.08	3.44	6.32	1.20	4.98	1.57	1.27	6.03	3.59	1.23	2.19
4	1.27	2.44	2.63	3.62	1.32	3.52	1.65	1.27	3.91	6.11	2.44	2.04
5	1.38	2.63	2.34	3.59	1.42	3.36	1.23	2.85	4.04	6.12	4.31	1.98
6	1.18	2.73	2.32	5.30	3.77	1.88	1.23	1.31	2.28	6.14	4.31	1.18
7	1.32	2.86	3.41	5.93	1.58	1.20	2.19	1.32	2.26	6.14	2.64	1.18
8	---	3.84	2.68	5.88	1.20	1.20	2.25	1.33	1.30	6.17	3.79	1.99
9	1.18	2.75	3.53	3.07	1.20	1.20	1.78	1.32	3.72	5.21	1.68	2.21
10	1.35	2.76	3.79	1.87	1.34	4.56	1.77	1.28	5.23	5.15	1.21	2.19
11	1.35	3.47	3.36	1.36	1.37	5.04	1.58	1.28	4.23	3.84	2.83	2.30
12	1.13	2.79	3.52	1.62	3.54	5.04	1.24	2.07	1.48	2.06	2.41	2.12
13	1.13	3.38	3.90	2.55	3.22	5.07	1.24	5.31	1.58	1.29	2.40	1.18
14	1.21	3.68	2.66	2.11	3.73	5.63	1.39	5.78	1.30	2.21	2.41	1.18
15	1.21	3.91	2.66	1.88	1.20	3.79	1.80	5.81	1.30	3.40	2.40	2.20
16	1.20	1.23	4.07	2.16	1.20	3.56	1.78	5.82	1.48	5.74	1.50	2.21
17	1.45	1.92	3.37	2.15	2.88	5.52	1.93	5.83	4.27	3.82	1.19	2.41
18	1.38	3.61	3.28	2.41	2.05	5.60	1.43	5.33	4.88	6.19	2.18	1.77
19	1.13	4.04	3.63	1.46	3.70	1.74	1.25	1.27	3.95	3.61	2.25	1.78
20	1.13	3.66	3.74	2.02	2.14	2.12	1.25	3.43	5.15	3.15	2.36	1.32
21	1.56	4.27	1.84	2.13	1.97	5.24	1.62	4.27	6.16	2.43	2.55	1.27
22	1.49	3.86	2.22	1.98	1.34	2.94	1.86	5.83	6.19	2.27	2.18	2.48
23	1.57	3.05	3.61	2.08	1.21	2.87	2.21	1.33	6.20	2.48	1.23	2.02
24	1.72	2.93	3.98	1.91	1.61	2.29	2.03	1.27	2.55	2.99	1.22	2.00
25	1.40	3.81	2.67	2.32	2.88	1.75	2.04	5.73	2.16	2.99	2.39	1.72
26	1.14	4.08	2.44	2.23	3.23	1.75	1.26	5.82	2.58	1.26	1.97	1.47
27	1.14	3.91	2.19	1.60	3.67	1.93	1.26	5.85	2.38	1.34	2.39	1.19
28	1.61	2.95	3.43	1.39	3.69	1.94	3.08	5.88	1.28	2.89	2.39	1.19
29	2.05	3.48	3.65	1.21	---	1.22	3.36	5.90	1.28	2.56	2.25	2.08
30	1.96	2.33	4.72	1.21	---	1.22	3.18	5.92	2.59	2.56	1.18	2.01
31	1.70	---	4.15	1.21	---	1.81	---	5.95	---	2.31	1.18	---
MEAN	---	3.07	3.19	2.71	2.15	2.99	1.82	3.68	3.46	3.64	2.21	1.84
MAX	---	4.27	4.72	6.32	3.77	5.63	3.36	5.95	6.20	6.19	4.31	2.49
MIN	---	1.23	1.84	1.21	1.20	1.20	1.23	1.27	1.28	1.26	1.18	1.18

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02394000 ETOWAH RIVER AT ALLATOONA DAM, ABV CARTERSVILLE,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 015
LATITUDE 340947 LONGITUDE 0844428 NAD27 DRAINAGE AREA 1119 CONTRIBUTING DRAINAGE AREA 1119* DATUM 686.92 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	---	---	---	---	---	0.00	---	---	---	---
2	0.00	0.00	---	---	---	---	---	0.10	---	---	---	---
3	0.00	0.00	---	---	---	---	---	0.00	---	---	---	---
4	0.87	0.00	---	---	---	---	---	0.00	---	---	---	---
5	0.00	0.29	---	---	---	---	---	1.54	---	---	---	---
6	0.85	0.00	---	---	---	---	---	1.59	---	---	---	---
7	0.11	0.00	---	---	---	---	---	0.59	---	---	---	---
8	0.00	0.00	---	---	---	---	---	0.00	---	---	---	---
9	0.00	0.00	---	---	---	---	---	0.00	---	---	---	---
10	0.04	0.01	---	---	---	---	---	0.00	---	---	---	---
11	0.01	1.02	---	---	---	---	---	0.22	---	---	---	---
12	0.09	0.05	---	---	---	---	---	0.01	---	---	---	---
13	0.00	0.00	---	---	---	---	0.00	0.00	---	---	---	---
14	0.00	0.00	---	---	---	---	0.00	0.02	---	---	---	---
15	0.04	0.00	---	---	---	---	0.00	---	---	---	---	---
16	0.01	---	---	---	---	---	0.00	---	---	---	---	---
17	0.00	---	---	---	---	---	0.23	---	---	---	---	---
18	0.00	---	---	---	---	---	0.00	---	---	---	---	---
19	0.00	---	---	---	---	---	0.00	---	---	---	---	---
20	0.24	---	---	---	---	---	0.00	---	---	---	---	---
21	0.42	---	---	---	---	---	0.11	---	---	---	---	---
22	0.00	---	---	---	---	---	0.00	---	---	---	---	---
23	0.00	---	---	---	---	---	0.00	---	---	---	---	---
24	0.00	---	---	---	---	---	0.00	---	---	---	---	---
25	0.00	---	---	---	---	---	0.77	---	---	---	---	---
26	0.00	---	---	---	---	---	0.00	---	---	---	---	---
27	0.01	---	---	---	---	---	0.00	---	---	---	---	---
28	1.02	---	---	---	---	---	0.00	---	---	---	---	---
29	0.16	---	---	---	---	---	0.00	---	---	---	---	---
30	0.00	---	---	---	---	---	0.19	---	---	---	---	---
31	0.00	---	---	---	---	---	---	---	---	---	---	---
TOTAL	3.87	---	---	---	---	---	---	---	---	---	---	---

MOBILE RIVER BASIN
2003 Water Year

02394670 ETOWAH RIVER AT GA 61, NEAR CARTERSVILLE, GA

LOCATION.—Lat 34°08'34" , long 84°50'20" referenced to North American Datum (NAD) of 1927, Bartow County, Hydrologic Unit 03150104, on GA 61, 3.0 miles southeast of Cartersville.

DRAINAGE AREA.—1,345 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—November 1985 to current year (gage-heights only). Gage-height records collected from May 1937 to November 1939 at a site 200.00 feet upstream and from November 1939 until at least 1961, data collected at same site are contained in reports of National Weather Service. Gage-height records were collected at same site since December 1949 and discharge measurements for the period August 1945 to May 1975 in files of the U.S. Army Corps of Engineers.

GAGE.—Water-stage recorder with satellite telemetry. Datum of gage is 650.81 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records fair. Gage-height affected by Allatoona Reservoir Dam since December 1949.

EXTREMES FOR PERIOD OF RECORD.—Maximum recorded gage-height, 17.96 feet March 17, 1990; minimum recorded, 4.06 feet September. 10, 1986.

EXTREMES OUTSIDE PERIOD OF RECORD.—Flood in April 1886 reached a gage-height of 37.0 feet, information supplied by U.S. Weather Service. Flood of December 19, 1919 reached a gage-height of 31.0 feet, information supplied by local resident. Flood of November 29, 1948 reached a gage-height of 30.0 feet, from U.S. Weather Service gage-height records. Minimum observed gage-height, 3.8 feet, September 25, 1939, from U.S. Weather Service gage-height records.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 17.92 feet, March 6; minimum gage-height recorded, 4.38 feet, October 28.

PRECIPITATION RECORDS

PERIOD OF RECORD.—August 16, 2002 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

STATION NUMBER 02394670 ETOWAH RIVER AT GA 61, NEAR CARTERSVILLE, GA SOURCE AGENCY USGS STATE 13 COUNTY 015
LATITUDE 340834 LONGITUDE 0845020 NAD27 DRAINAGE AREA 1345.00 CONTRIBUTING DRAINAGE AREA 1345.00* DATUM 650.81 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.98	5.69	6.96	9.21	5.08	6.34	7.23	7.71	12.95	8.90	7.51	6.18
2	4.99	6.38	8.77	12.46	5.01	5.54	6.44	9.53	12.96	13.62	5.40	7.16
3	5.34	6.73	9.46	13.28	4.97	11.26	5.77	5.46	13.03	9.29	5.13	6.78
4	4.98	6.91	7.86	10.01	5.41	10.10	5.90	5.06	10.65	13.35	7.65	6.49
5	5.23	7.93	9.84	9.28	5.68	9.49	5.31	7.57	9.19	13.33	10.08	6.36
6	4.66	---	8.17	11.63	9.75	14.44	5.00	9.93	7.79	13.34	10.11	4.77
7	5.69	8.81	8.58	13.06	6.47	9.15	6.73	11.31	7.09	13.38	8.16	4.74
8	5.03	9.96	8.33	13.09	5.39	6.53	7.52	7.72	5.43	13.31	9.60	6.30
9	4.74	8.97	8.44	9.54	5.18	6.05	6.58	6.46	8.71	12.72	6.16	6.76
10	5.12	8.48	9.91	6.74	5.65	10.59	5.96	5.83	11.85	11.39	4.90	6.67
11	5.17	9.83	11.19	5.77	5.73	12.40	6.10	5.55	10.47	9.70	7.60	6.80
12	4.50	9.82	9.36	5.89	8.65	12.38	5.20	6.99	5.93	7.97	7.29	6.75
13	4.50	9.30	10.32	7.77	8.84	12.34	4.99	11.20	5.78	9.21	7.04	4.76
14	4.67	9.56	8.90	6.74	10.70	12.98	5.38	12.81	5.20	11.35	7.33	4.73
15	4.81	10.68	8.48	6.32	5.06	10.57	6.00	13.09	5.05	8.81	7.26	6.57
16	5.30	6.88	9.57	6.81	5.21	10.18	6.13	13.49	5.43	13.52	5.91	6.68
17	5.71	6.85	9.59	6.84	8.25	12.64	6.51	13.29	10.59	9.46	5.14	---
18	5.52	9.74	9.62	7.36	7.47	13.18	5.55	15.17	12.69	13.41	6.85	6.13
19	4.56	10.08	9.88	5.72	9.43	7.08	5.04	8.38	11.15	10.28	6.88	---
20	4.52	9.73	10.82	6.53	7.43	7.51	4.91	8.81	12.34	8.55	7.41	5.17
21	---	11.62	7.91	6.75	6.98	11.82	5.78	10.82	13.28	7.54	7.40	4.97
22	---	11.00	6.88	6.39	7.94	9.02	6.09	13.25	13.21	7.04	6.83	6.94
23	---	9.66	9.70	6.95	7.48	8.58	6.68	6.89	13.20	7.48	5.07	6.85
24	---	8.76	12.31	6.64	6.58	7.06	6.81	5.43	8.50	8.27	4.97	6.38
25	---	9.38	11.38	7.08	8.08	6.33	7.93	11.92	6.73	8.13	7.02	5.94
26	4.67	10.99	8.21	7.05	9.22	6.23	7.76	13.23	7.31	5.32	6.53	5.44
27	4.41	9.99	7.30	5.78	10.64	6.53	5.74	12.96	6.94	5.26	7.05	4.84
28	---	8.70	8.87	5.36	10.56	6.54	8.26	12.92	5.09	7.67	7.08	4.77
29	7.71	9.04	10.11	5.00	---	5.60	9.04	12.92	4.94	7.53	6.98	6.38
30	7.29	7.97	11.19	5.48	---	5.05	8.65	12.91	7.18	7.35	4.92	5.98
31	6.01	---	10.57	5.26	---	6.39	---	12.94	---	7.04	4.87	---
MEAN	---	---	9.31	7.80	7.24	9.03	6.37	10.05	9.02	9.79	6.84	---
MAX	---	---	12.31	13.28	10.70	14.44	9.04	15.17	13.28	13.62	10.11	---
MIN	---	---	6.88	5.00	4.97	5.05	4.91	5.06	4.94	5.26	4.87	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02394670 ETOWAH RIVER AT GA 61, NEAR CARTERSVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 015
LATITUDE 340834 LONGITUDE 0845020 NAD27 DRAINAGE AREA 1345.00 CONTRIBUTING DRAINAGE AREA 1345.00* DATUM 650.81 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	3.14	0.00	0.00
2	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.54	0.00	0.01	0.00	0.00
3	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00	1.58	0.00
4	0.72	0.20	1.70	0.00	0.76	0.00	0.00	0.00	0.10	0.05	0.00	0.29
5	0.00	1.98	1.14	0.00	0.00	1.07	0.37	1.70	0.00	0.12	0.09	0.00
6	0.29	---	0.00	0.00	0.68	2.24	0.22	1.93	0.68	0.00	0.68	0.00
7	0.28	0.00	0.00	0.00	0.05	0.00	0.32	0.75	0.35	0.02	0.00	0.12
8	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.07	0.00	0.00	0.00
9	0.00	0.01	0.00	0.25	0.10	0.00	0.45	0.00	0.00	0.00	0.00	0.00
10	0.04	0.01	1.83	0.05	0.24	0.00	0.19	0.00	0.00	1.80	0.00	0.00
11	0.10	1.29	0.02	0.00	0.01	0.00	0.00	0.24	0.02	0.00	0.00	0.00
12	0.20	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.23	0.11	0.00
13	0.03	0.00	0.74	0.00	0.00	0.00	0.00	0.00	0.48	0.70	0.32	0.00
14	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.02	0.00	0.03	0.00	0.10
15	1.33	0.96	0.00	0.00	0.00	0.18	0.00	1.42	0.00	0.00	0.00	0.00
16	0.03	0.30	0.00	0.18	0.58	0.00	0.00	0.03	0.34	0.30	1.15	0.00
17	0.00	0.00	0.00	0.00	0.01	0.55	0.67	1.39	0.61	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.04	0.00	2.58	0.67	0.00	0.00	0.00
19	0.00	0.06	1.06	0.00	0.00	0.31	0.00	0.33	0.41	0.00	0.89	0.00
20	0.29	0.67	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.00
21	---	0.30	0.00	0.25	0.53	0.00	0.11	0.32	0.00	0.01	0.00	0.01
22	---	0.00	0.02	0.00	1.54	0.00	0.00	0.11	0.00	0.38	0.00	1.46
23	0.00	0.00	0.09	0.00	0.02	0.00	0.00	0.00	0.00	0.09	---	0.00
24	---	0.00	2.53	0.00	0.04	0.00	0.40	0.00	0.00	0.00	---	0.00
25	---	0.00	0.01	0.00	0.00	0.00	2.62	0.38	0.00	0.00	---	0.00
26	0.00	0.00	0.00	0.00	0.50	0.00	0.01	0.09	0.00	0.00	---	0.00
27	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.00	0.00	0.00	0.09	0.80
28	1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
29	0.34	0.00	0.00	1.53	---	0.02	0.00	0.00	0.00	0.00	0.00	0.00
30	0.21	0.00	0.00	0.07	---	0.15	0.10	0.00	0.71	0.00	0.08	0.00
31	0.00	---	0.23	0.00	---	0.00	---	0.00	---	0.24	0.00	---
TOTAL	---	---	9.37	2.81	5.71	4.59	5.63	11.83	5.21	7.12	---	2.78

02394820 EUHARLEE CREEK AT US 278, AT ROCKMART, GA

LOCATION.—Lat 33°59'55", long 85°03'09" referenced to North American Datum (NAD) of 1927, Polk County, Hydrologic Unit 03150104, at US 278 at Rockmart.

DRAINAGE AREA.—42.1 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1961, 1974, 1979, 1984 to current year.

GAGE.--Crest-stage partial-record gage. Datum of gage is 732.98 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but it not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 15.00 feet, March 4, 1979
DISCHARGE: 7,000 cfs, March 4, 1979

MAXIMUM FOR CURRENT YEAR.—
STAGE: 10.85 feet, March 6
DISCHARGE: 3,390 cfs, March 6

MOBILE RIVER BASIN
2003 Water Year

02394869 EUHARLEE CREEK NEAR ARAGON, GA

LOCATION.—Lat 34°04'33", long 85°01'57" referenced to North American Datum (NAD) of 1927, Polk County, Hydrologic Unit 03150104, 0.26 miles upstream of Taylorsville Road bridge, 2.6 miles northeast of Aragon.

DRAINAGE AREA.—93.1 square miles.

COOPERATION.—Polk County Water, Sewage, and Solid Waste Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—July 2000 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 690.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 1, effective July 14, 2000 to current year.

REMARKS.—Records good. Measurements for current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
12/16/02	9.91	234
03/05/03	9.30	160
08/20/03	9.76	72.5

02394870 EUHARLEE CREEK AT TAYLORSVILLE ROAD, NEAR ARAGON, GA

LOCATION.—Lat 34°04'33", long 85°01'47" referenced to North American Datum (NAD) of 1927, Polk County, Hydrologic Unit 03150104, upstream of Taylorsville Road bridge, 2.6 miles northeast of Aragon.

DRAINAGE AREA.—98.1 square miles.

COOPERATION.—Polk County Water, Sewage, and Solid Waste Authority.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—July 2000 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 690.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 1, effective July 14, 2000 to current year.

REMARKS.—Records good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
12/16/02	9.83	258
03/05/03	9.20	181
08/19/03	9.88	99

MOBILE RIVER BASIN
2003 Water Year

02395000 ETOWAH RIVER NEAR KINGSTON, GA

LOCATION.—Lat 34°12'24", long 84°58'44" referenced to North American Datum (NAD) of 1927, Bartow County, Hydrologic Unit 03150104, on right bank 125.0 feet from the downstream side of bridge on US 411, 1.1 miles above Two Run Creek, 26.4 miles downstream from Allatoona Dam, 2.5 miles southwest of Kingston.

DRAINAGE AREA.—1,634 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—July 1928 to December 1931; November 1936 to April 1937; June 1937 to April 1960; June 1960 to October 1995; July 2, 2001 to September 30, 2001.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 609.97 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good. Flow regulated by Lake Allatoona.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 17.40 feet, March 6; minimum gage-height recorded, 3.17 feet, October 14.

PRECIPITATION RECORDS

PERIOD OF RECORD.—July 2, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records fair.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02395000 ETOWAH RIVER NEAR KINGSTON,GA SOURCE AGENCY USGS STATE 13 COUNTY 015
LATITUDE 341224 LONGITUDE 0845844 NAD27 DRAINAGE AREA 1634.00 CONTRIBUTING DRAINAGE AREA 1634* DATUM 609.97 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.60	4.74	5.49	7.15	4.25	5.99	5.36	6.15	9.56	7.46	5.82	4.32
2	3.83	5.03	5.77	9.36	4.16	4.71	5.32	7.28	9.57	12.28	5.12	5.19
3	3.93	5.18	7.20	9.97	4.10	7.34	4.75	5.64	9.60	7.71	4.54	5.43
4	3.95	5.40	6.31	8.16	4.34	7.99	4.75	4.42	8.31	9.99	6.09	5.17
5	4.01	6.09	8.33	7.41	4.71	7.19	4.90	5.02	7.02	9.98	7.36	5.05
6	3.69	8.30	7.44	8.21	6.92	14.01	4.24	10.26	6.74	9.99	7.68	4.38
7	4.05	7.00	6.59	9.61	5.96	10.63	4.56	11.87	5.68	9.93	6.85	3.80
8	4.16	7.21	7.04	9.51	4.83	6.27	6.26	7.65	5.51	9.84	7.27	4.10
9	3.59	7.23	6.57	7.83	4.51	5.67	5.99	6.25	5.77	9.73	5.66	5.18
10	3.61	6.33	7.75	5.83	4.77	7.37	4.59	5.51	8.81	8.33	4.60	5.17
11	4.11	6.87	10.20	4.97	4.89	9.22	5.29	5.14	7.96	8.01	5.01	5.17
12	3.65	7.95	7.99	4.81	5.88	9.19	4.95	6.02	5.85	7.20	5.94	5.48
13	3.43	6.63	8.40	5.77	7.22	9.10	4.31	7.58	4.73	8.31	5.49	4.50
14	3.39	7.21	7.95	5.61	8.10	9.51	4.41	9.49	4.83	10.31	6.00	3.73
15	3.71	7.84	7.33	5.07	4.70	8.07	4.32	9.76	4.40	7.01	5.92	4.19
16	4.10	6.30	7.08	5.35	4.39	7.93	5.02	10.16	4.35	10.20	5.06	5.15
17	4.25	5.30	7.40	5.24	6.19	8.95	5.31	9.95	7.13	7.52	4.68	5.14
18	4.44	7.26	7.38	5.47	6.54	9.71	4.90	13.04	10.23	9.93	4.91	5.10
19	3.75	7.22	7.33	5.15	6.30	6.30	4.55	10.37	8.50	8.07	5.20	4.59
20	3.51	7.41	8.68	5.15	6.55	6.00	4.10	7.08	9.42	6.80	5.87	4.50
21	3.62	8.68	7.55	5.30	5.98	8.70	4.32	8.70	9.92	6.42	5.66	3.95
22	4.96	8.43	5.43	4.72	6.90	7.13	4.58	10.26	9.78	5.76	5.53	4.49
23	3.96	7.47	7.13	5.66	7.18	6.80	5.16	7.12	9.74	6.27	4.73	5.75
24	4.53	6.67	10.67	5.18	5.58	5.78	5.47	5.15	7.11	6.45	4.04	4.89
25	4.20	6.74	11.45	5.23	6.23	5.72	6.66	8.13	5.67	6.44	4.83	4.84
26	4.03	8.14	7.31	5.76	7.29	5.14	7.87	10.13	5.68	5.56	5.30	4.47
27	3.46	7.38	5.99	4.67	8.19	5.11	5.47	9.79	5.46	4.35	5.26	4.23
28	3.54	7.13	6.88	4.31	8.37	5.30	5.82	9.67	5.20	5.27	5.51	3.89
29	5.91	6.39	7.69	3.98	---	5.29	7.06	9.63	4.20	6.21	5.45	4.15
30	6.14	7.03	8.32	4.59	---	4.27	6.79	9.58	4.84	5.85	4.67	4.58
31	4.82	---	8.25	4.45	---	5.07	---	9.58	---	5.75	3.96	---
MEAN	4.06	6.89	7.58	6.11	5.89	7.27	5.24	8.27	7.05	7.84	5.48	4.69
MAX	6.14	8.68	11.45	9.97	8.37	14.01	7.87	13.04	10.23	12.28	7.68	5.75
MIN	3.39	4.74	5.43	3.98	4.10	4.27	4.10	4.42	4.20	4.35	3.96	3.73

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02395000 ETOWAH RIVER NEAR KINGSTON,GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 015
LATITUDE 341224 LONGITUDE 0845844 NAD27 DRAINAGE AREA 1634.00 CONTRIBUTING DRAINAGE AREA 1634* DATUM 609.97 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

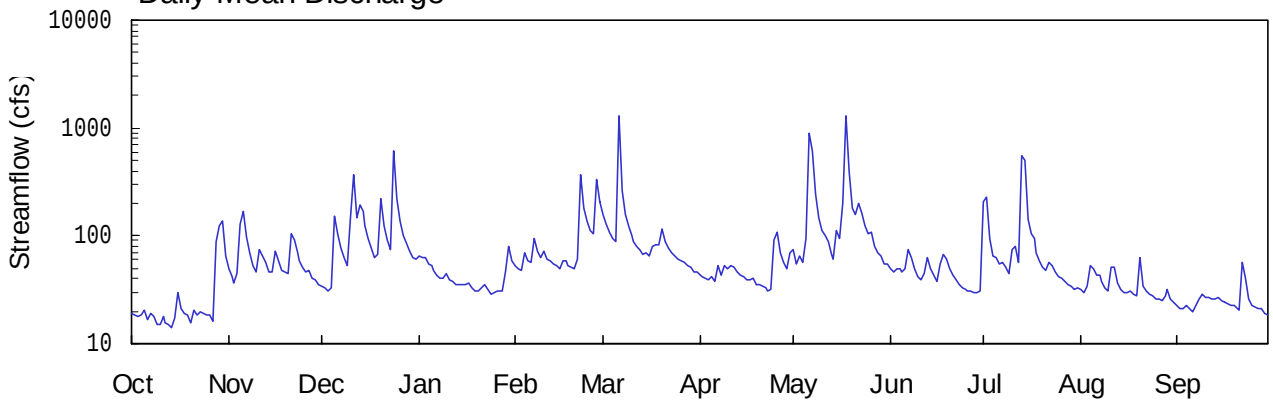
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.00	0.00	0.25	0.01	0.00	0.00	0.01	0.00	3.11	0.04	0.00
2	---	0.00	0.02	0.14	0.00	0.00	0.00	0.35	0.00	0.05	0.39	0.00
3	---	0.41	0.00	0.00	0.00	0.00	0.00	0.04	0.22	0.00	0.16	0.00
4	---	0.13	1.25	0.00	0.38	0.00	0.00	0.00	0.11	0.02	0.00	0.13
5	---	1.42	0.37	0.00	0.00	0.54	0.18	0.74	0.00	0.53	0.04	0.00
6	---	0.00	0.00	0.00	0.63	2.46	0.11	0.49	0.41	0.24	0.50	0.00
7	---	0.00	0.00	0.00	0.02	0.00	0.58	0.16	0.30	0.12	0.24	0.10
8	---	0.00	0.01	0.00	0.01	0.00	0.19	2.16	0.47	0.00	0.00	0.01
9	---	0.00	0.00	0.18	0.10	0.00	0.32	0.00	0.00	0.00	0.00	0.00
10	---	0.00	1.78	0.02	0.17	0.00	0.14	0.00	0.00	1.26	0.00	0.00
11	---	0.66	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.01	0.00	0.00
12	---	0.12	0.00	0.00	0.00	0.00	0.00	0.01	0.29	0.17	0.03	0.00
13	---	0.00	0.85	0.00	0.00	0.00	0.00	0.00	0.46	1.61	0.38	0.00
14	---	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.03	0.02	0.01	0.18
15	---	0.67	0.00	0.00	0.00	0.04	0.00	1.34	0.00	0.00	0.00	0.00
16	---	0.10	0.00	0.16	0.76	0.00	0.00	0.01	0.02	0.63	0.00	0.00
17	---	0.00	0.00	0.00	0.00	0.61	0.36	0.25	0.90	0.00	0.00	0.00
18	---	0.00	0.00	0.00	0.00	0.07	0.00	2.27	0.71	0.00	0.03	0.00
19	0.00	0.05	1.15	0.00	0.00	0.60	0.00	0.08	0.61	0.00	0.02	0.00
20	0.16	0.64	0.00	0.00	0.02	0.04	0.00	0.00	0.00	0.00	0.00	0.00
21	0.51	0.38	0.00	0.29	0.66	0.00	0.00	0.66	0.00	0.00	0.00	0.00
22	0.00	0.00	0.01	0.00	0.96	0.00	0.00	0.24	0.00	0.49	0.00	2.21
23	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.01
24	0.00	0.00	1.73	0.00	---	0.00	0.39	0.00	0.00	0.00	0.00	0.00
25	0.04	0.00	0.00	0.00	0.00	0.00	1.88	0.41	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.01	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.40
28	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.01
29	1.24	0.00	0.00	0.91	---	0.01	0.00	0.00	0.00	0.00	0.00	0.00
30	0.10	0.00	0.00	0.04	---	0.05	0.17	0.00	0.62	0.07	0.00	0.00
31	0.00	---	0.13	0.00	---	0.00	---	0.00	---	0.45	0.00	---
TOTAL	---	4.58	7.33	1.99	---	4.42	4.32	9.46	5.15	8.82	1.89	3.05

2003 Water Year

02395120 TWO RUN CREEK NEAR KINGSTON, GA

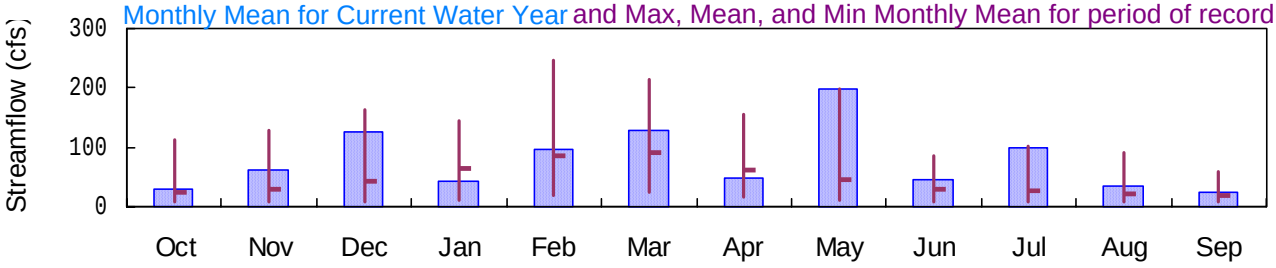
Latitude: 34°14'34" Longitude: 084°53'23" Hydrologic Unit Code: 03150104 Bartow County
Drainage Area: 33.1 mi^2 Datum: 723.1 feet

Daily Mean Discharge

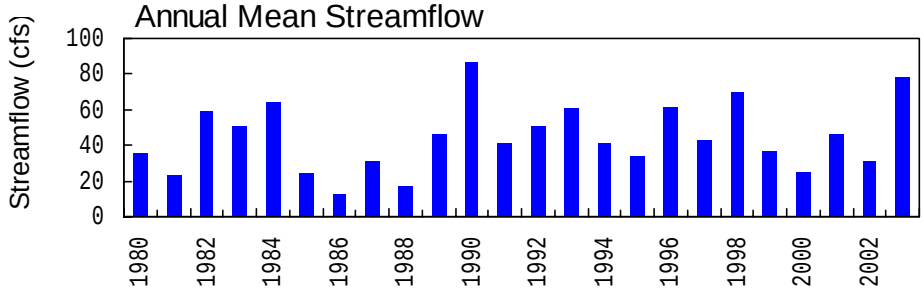


Monthly Statistics

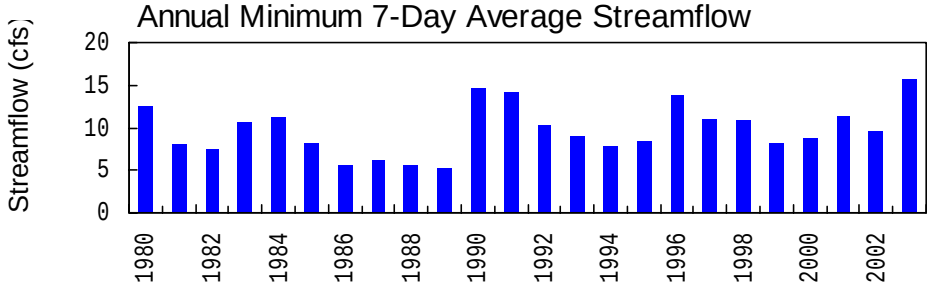
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



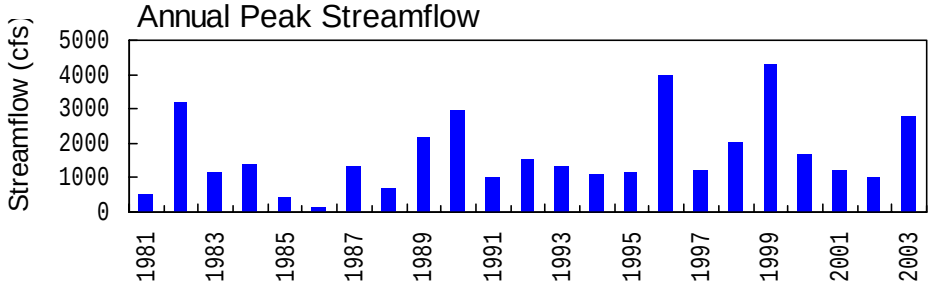
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



MOBILE RIVER BASIN
2003 Water Year

02395120 TWO RUN CREEK NEAR KINGSTON, GA

LOCATION.—Lat 34°14'34", long 84°53'23" referenced to North American Datum (NAD) of 1983, Bartow County, Hydrologic Unit 03150104, on right bank 200.0 feet upstream from bridge on GA 293, 1.9 miles upstream from Limekiln Branch, and 3.0 miles east of Kingston.

DRAINAGE AREA.—33.1 square miles.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1980 to current year.

GAGE.—Water-stage recorder. Datum of gage is 723.10 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 500 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
12/11	0215	764	5.26
12/24	1430	1,130	5.93
02/22	1230	744	5.21
02/27	1630	645	4.90
03/06	0900	2,760*	7.60*
05/06	1815	1,970	6.91
05/18	1130	1,580	6.50
07/01	2315	783	5.31
07/13	1015	960	5.68
07/14	0245	1,230	6.07

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1980 to current year.

GAGE.—Water-stage recorder. Datum of gage is 723.10 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 7.60 feet, March 6; minimum gage-height recorded, 1.18 feet, October 4, 14, 15.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02395120 TWO RUN CREEK NEAR KINGSTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 015
LATITUDE 341434 LONGITUDE 0845323 NAD83 DRAINAGE AREA 33.10 CONTRIBUTING DRAINAGE AREA 33.10* DATUM 723.10 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	49	34	65	54	156	43	75	49	207	32	22
2	18	42	33	62	50	129	41	54	47	230	30	21
3	18	36	31	63	48	107	41	64	50	95	34	21
4	18	44	33	56	69	95	39	57	50	65	54	22
5	21	128	153	52	58	88	41	94	46	63	49	21
6	17	169	104	49	57	1280	38	891	49	54	43	20
7	19	98	76	43	94	259	53	615	73	56	44	23
8	18	69	62	41	71	158	43	244	62	51	38	26
9	15	53	53	41	64	124	53	146	49	44	33	29
10	15	46	146	44	72	102	50	110	42	75	31	27
11	18	74	366	39	61	87	53	102	40	80	52	27
12	16	65	146	37	58	79	52	89	45	58	50	26
13	15	56	195	36	55	74	47	67	63	549	37	26
14	14	46	169	35	53	68	44	61	50	509	32	27
15	17	46	123	35	50	69	41	111	43	144	30	25
16	29	72	94	35	59	65	39	96	38	103	30	24
17	21	58	77	36	59	80	39	203	54	95	31	23
18	19	48	64	33	53	82	41	1290	68	69	29	22
19	18	47	68	31	50	83	36	390	61	59	28	22
20	16	45	222	31	50	117	35	182	49	52	63	22
21	20	105	125	33	60	88	35	159	44	48	34	21
22	19	91	93	36	373	78	33	203	39	56	30	56
23	20	70	74	32	180	71	31	164	35	52	29	40
24	19	58	621	29	139	64	32	124	33	46	28	26
25	18	51	223	30	113	62	91	103	32	42	26	23
26	19	46	135	31	104	59	107	107	31	41	26	22
27	16	48	102	31	334	56	70	79	31	37	25	21
28	88	40	84	31	209	53	57	70	30	36	28	21
29	126	38	73	46	---	51	49	65	29	34	32	19
30	138	35	64	81	---	46	70	56	31	32	26	19
31	66	---	60	59	---	46	---	55	---	33	24	---
TOTAL	910	1873	3903	1303	2697	3976	1444	6126	1363	3115	1078	744
MEAN	29.4	62.4	126	42.0	96.3	128	48.1	198	45.4	100	34.8	24.8
MAX	138	169	621	81	373	1280	107	1290	73	549	63	56
MIN	14	35	31	29	48	46	31	54	29	32	24	19
CFSM	0.89	1.89	3.80	1.27	2.91	3.87	1.45	5.97	1.37	3.04	1.05	0.75
IN.	1.02	2.11	4.39	1.46	3.03	4.47	1.62	6.88	1.53	3.50	1.21	0.84

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2003, BY WATER YEAR (WY)

MEAN	23.8	30.0	44.0	63.1	85.3	91.1	61.9	45.6	28.1	28.0	21.5	19.1
MAX	112	129	164	144	247	213	156	198	86.2	100	90.9	57.9
(WY)	1990	1993	1984	1996	1990	1990	1982	2003	2001	2003	1992	1989
MIN	7.25	9.28	8.93	11.5	18.9	24.9	15.4	11.4	7.97	8.27	7.72	8.39
(WY)	1988	1988	1989	1981	1986	1988	1986	1986	1988	1986	1988	1986

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1980 - 2003	
ANNUAL TOTAL	16785.0		28532			
ANNUAL MEAN	46.0		78.2		45.0	
HIGHEST ANNUAL MEAN					86.2	1990
LOWEST ANNUAL MEAN					12.9	1986
HIGHEST DAILY MEAN	621	Dec 24	1290	May 18	1840	Jan 27 1996
LOWEST DAILY MEAN	9.0	Jan 17	14	Oct 14	4.5	Oct 12 1988
ANNUAL SEVEN-DAY MINIMUM	9.6	Jan 12	16	Oct 9	5.2	Oct 7 1988
MAXIMUM PEAK FLOW			2760	Mar 6	4300	Jul 12 1999
MAXIMUM PEAK STAGE			7.60	Mar 6	8.65	Jul 12 1999
ANNUAL RUNOFF (CFSM)	1.39		2.36		1.36	
ANNUAL RUNOFF (INCHES)	18.86		32.07		18.46	
10 PERCENT EXCEEDS	99		136		85	
50 PERCENT EXCEEDS	26		50		23	
90 PERCENT EXCEEDS	12		22		11	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02395120 TWO RUN CREEK NEAR KINGSTON, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 015
LATITUDE 341434 LONGITUDE 0845323 NAD83 DRAINAGE AREA 33.10 CONTRIBUTING DRAINAGE AREA 33.10* DATUM 723.10 NGVD29

APPROVED

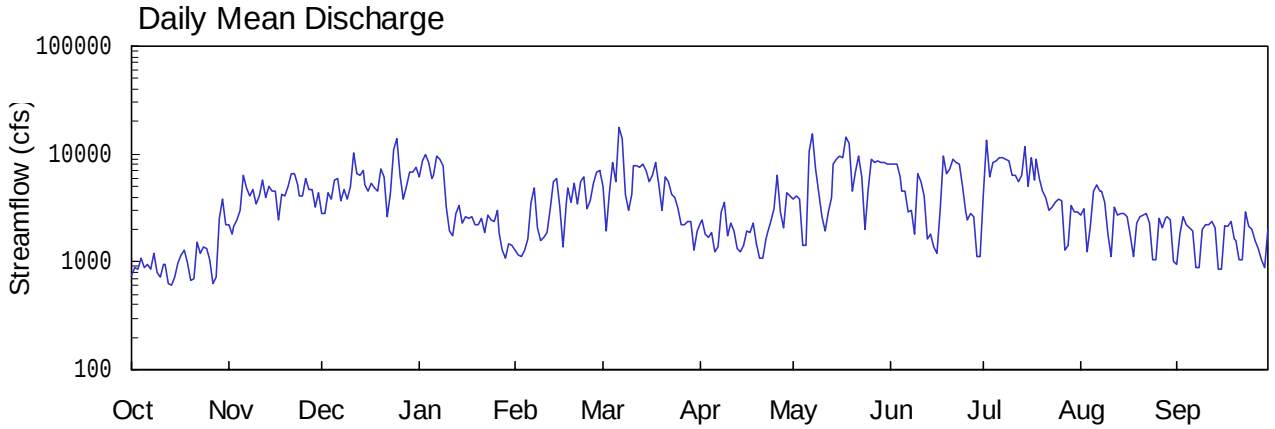
Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

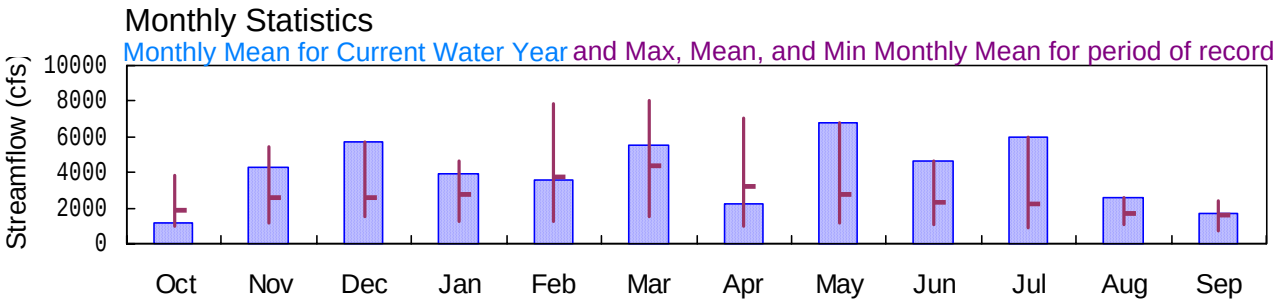
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.24	1.46	1.36	1.56	1.49	1.96	1.41	1.60	1.45	2.33	1.33	1.26
2	1.24	1.42	1.35	1.54	1.46	1.79	1.39	1.48	1.43	2.53	1.31	1.25
3	1.23	1.38	1.34	1.55	1.45	1.67	1.39	1.54	1.45	1.72	1.34	1.25
4	1.24	1.43	1.35	1.50	1.58	1.60	1.38	1.49	1.45	1.55	1.47	1.26
5	1.26	1.96	2.07	1.48	1.51	1.57	1.39	1.72	1.42	1.53	1.45	1.25
6	1.22	2.16	1.77	1.45	1.51	5.64	1.37	4.67	1.45	1.48	1.41	1.24
7	1.25	1.74	1.62	1.42	1.72	2.75	1.47	4.46	1.59	1.49	1.41	1.26
8	1.23	1.58	1.54	1.41	1.59	2.08	1.41	2.67	1.53	1.46	1.37	1.29
9	1.21	1.48	1.48	1.41	1.55	1.88	1.47	2.01	1.44	1.41	1.33	1.31
10	1.21	1.44	2.04	1.43	1.60	1.75	1.45	1.80	1.40	1.59	1.32	1.30
11	1.24	1.61	3.32	1.40	1.53	1.67	1.47	1.76	1.38	1.64	1.44	1.30
12	1.22	1.56	2.00	1.38	1.51	1.63	1.46	1.68	1.42	1.50	1.45	1.29
13	1.21	1.50	2.34	1.37	1.49	1.60	1.43	1.56	1.53	4.05	1.36	1.29
14	1.20	1.44	2.16	1.37	1.48	1.56	1.41	1.52	1.45	3.74	1.33	1.30
15	1.23	1.44	1.87	1.37	1.46	1.57	1.39	1.81	1.41	2.00	1.31	1.29
16	1.33	1.60	1.72	1.37	1.52	1.54	1.38	1.72	1.37	1.76	1.31	1.29
17	1.26	1.51	1.63	1.38	1.52	1.63	1.38	2.28	1.48	1.72	1.32	1.28
18	1.25	1.45	1.55	1.35	1.48	1.64	1.39	6.13	1.56	1.57	1.30	1.27
19	1.24	1.44	1.57	1.34	1.46	1.65	1.35	3.54	1.52	1.51	1.29	1.27
20	1.22	1.43	2.53	1.34	1.46	1.84	1.35	2.25	1.45	1.46	1.52	1.27
21	1.26	1.78	1.89	1.36	1.52	1.68	1.35	2.09	1.41	1.44	1.34	1.26
22	1.24	1.70	1.71	1.37	3.35	1.62	1.34	2.39	1.38	1.49	1.32	1.47
23	1.25	1.59	1.61	1.34	2.13	1.58	1.32	2.13	1.35	1.47	1.30	1.40
24	1.24	1.52	4.27	1.32	1.85	1.54	1.33	1.88	1.34	1.43	1.29	1.30
25	1.24	1.47	2.54	1.33	1.71	1.53	1.69	1.76	1.33	1.40	1.28	1.27
26	1.24	1.44	1.94	1.34	1.66	1.51	1.79	1.79	1.32	1.39	1.28	1.27
27	1.22	1.45	1.76	1.34	3.14	1.49	1.58	1.63	1.32	1.36	1.28	1.26
28	1.68	1.40	1.67	1.34	2.35	1.47	1.50	1.57	1.31	1.35	1.30	1.26
29	1.91	1.39	1.60	1.43	---	1.46	1.44	1.55	1.31	1.34	1.34	1.25
30	1.98	1.37	1.55	1.65	---	1.43	1.57	1.49	1.32	1.33	1.29	1.24
31	1.56	---	1.53	1.52	---	1.43	---	1.48	---	1.33	1.28	---
MEAN	1.31	1.54	1.89	1.41	1.72	1.80	1.44	2.18	1.42	1.72	1.34	1.28
MAX	1.98	2.16	4.27	1.65	3.35	5.64	1.79	6.13	1.59	4.05	1.52	1.47
MIN	1.20	1.37	1.34	1.32	1.45	1.43	1.32	1.48	1.31	1.33	1.28	1.24

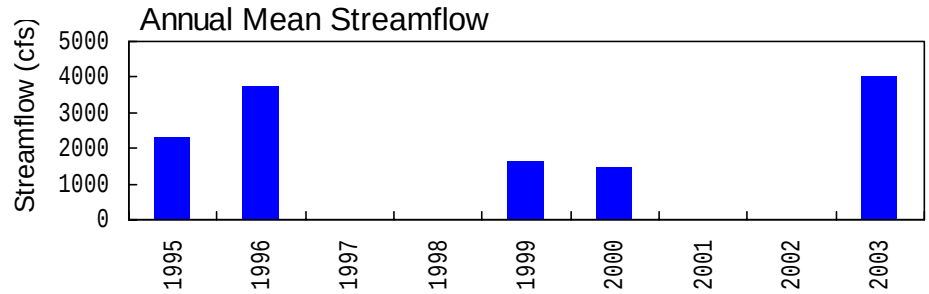
2003 Water Year

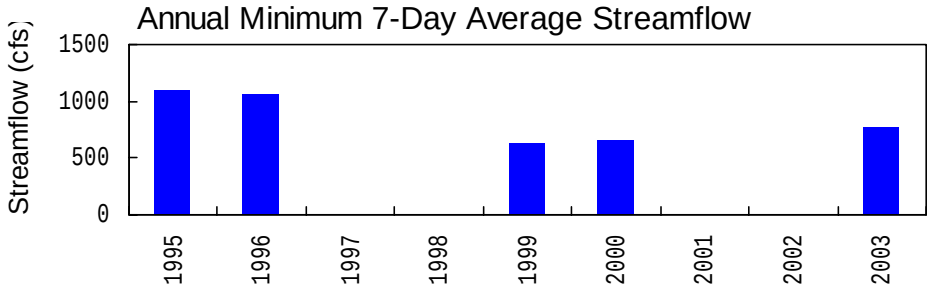
02395980 ETOWAH RIVER AT GA 1 LOOP, NEAR ROME, GA

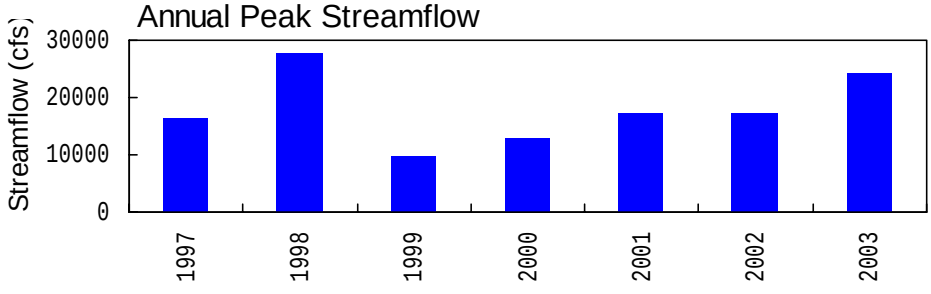
Latitude: 34°13'56" Longitude: 085°07'01" Hydrologic Unit Code: 03150104 Floyd County
Drainage Area: 180 mi² Datum: 561.7 feet











MOBILE RIVER BASIN
2003 Water Year

02395980 ETOWAH RIVER AT GA 1 LOOP, NEAR ROME, GA

LOCATION.—Lat 34°13'56", long 85°07'01" referenced to North American Datum (NAD) of 1927, Floyd County, Hydrologic Unit 03150104, on downstream side of center pier of Loop 1 by-pass bridge, 4.6 miles upstream from Southern Railway bridge and 6.6 miles upstream from confluence with Oostanaula River.

DRAINAGE AREA.—1,801 square miles.

COOPERATION.—U. S. Army Corp of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—July to December 1903; August 1904 to June 1921, published as "near Rome"; October 1938 to September 1994, published as "at Rome" (station 02396000). October 1994 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 561.70 feet above National Geodetic Vertical Datum (NGVD) of 1929. From July 1 to December 31, 1903, a non-recording gage was located at Second Avenue Bridge, 1.0 mile downstream at different datum. From August 17, 1904 to June 30, 1921, a non-recording gage was located at Freemans Ferry, 5.0 miles upstream at different datum. From October 1, 1938 to September 30, 1994, a water-stage recorder was located at Southern Railway Bridge 4.6 miles downstream at same datum.

REMARKS.—Records good, except for those periods of estimated discharge, which are fair. Flow regulated by Allatoona Reservoir since 1949. Statistics prior to regulation are available upon request.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known, December 11, 1919. Flood of April 9, 1938 reached a stage of 37.5 feet, discharge 46,500 cfs, from gage readings and discharge measurements by U.S. Army Corps of Engineers at former site (Southern Railway bridge) and datum.

02395980 ETOWAH RIVER AT GA 1 LOOP, NEAR ROME, GA-continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—July to December 1903; August 1904 to June 1921, published as "near Rome"; October 1938 to September 1994, published as "at Rome" (station 02396000). October 1994 to current year

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 561.70 feet above National Geodetic Vertical Datum (NGVD) of 1929. From July 1 to December 31, 1903, a non-recording gage was located at Second Avenue Bridge, 1.0 mile downstream at different datum. From August 17, 1904 to June 30, 1921, a non-recording gage was located at Freemans Ferry, 5.0 miles upstream at different datum. From October 1, 1938 to September 30, 1994, a water-stage recorder was located at Southern Railway Bridge 4.6 miles downstream at same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 33.44 feet, March 6; minimum gage-height recorded, 12.69 feet, October 14.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02395980 ETOWAH RIVER AT GA 1 LOOP, NEAR ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341356 LONGITUDE 0850701 NAD27 DRAINAGE AREA 1801 CONTRIBUTING DRAINAGE AREA 1801* DATUM 561.70 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	742	2180	2770	6100	1270	4990	2260	3840	8020	4280	2700	960
2	875	1810	2780	8730	1170	1960	2470	4130	8000	13400	3060	1800
3	852	2130	4420	10000	1120	4350	1800	3800	8080	6210	1220	2620
4	1070	2450	3770	8290	1300	8450	1700	1410	6250	8380	2100	2240
5	875	2960	5690	5880	1630	5570	1830	1440	4550	8610	4520	2060
6	949	6300	5990	6280	3510	17600	1250	10700	4580	9240	5250	1950
7	849	4890	3730	9660	4850	13900	1360	15500	2920	9230	4550	893
8	1210	4100	4660	8930	2100	4280	2920	7320	2990	8820	4510	888
9	804	4710	3780	7900	1550	3030	3530	4340	1800	8520	3620	1980
10	720	3480	5060	3270	1700	4230	1730	2630	6510	6290	1810	2230
11	944	4060	10100	1920	1880	7890	2330	1900	5580	6300	1140	2190
12	957	5830	6610	1730	3150	7740	1950	2910	4140	5500	3270	2360
13	e619	3960	6340	2820	5580	7560	1320	3950	1610	6400	2730	2080
14	e615	5020	6920	3340	5940	8150	1240	8110	1830	11800	2780	853
15	719	4550	5110	2280	3200	6930	1430	8920	1350	4980	2820	865
16	975	4460	4540	2580	1390	5560	1940	9400	1210	9110	2650	2150
17	1160	2460	5430	2570	3460	6430	1880	9200	3040	5750	1750	2150
18	1290	4250	4830	2640	4800	8470	2280	14500	9400	8820	1130	2390
19	977	4110	4500	2220	3620	5260	1470	12700	6490	6030	2320	1610
20	e672	5080	7400	2210	5350	3030	1090	4480	7270	4520	2670	1600
21	e699	6590	6210	2510	3400	6240	1060	6790	8830	3980	2700	1060
22	1510	6630	2580	1880	5550	5530	1630	9500	8430	3050	2800	1050
23	1220	5140	4410	2700	6200	4230	1890	6140	8160	3190	2320	2900
24	1360	4050	10900	2450	3160	3930	2400	2010	5030	3590	1060	2130
25	1320	4050	13800	2370	3730	3100	3150	4690	2870	3790	1060	1980
26	1040	5980	6410	3000	5320	2230	6250	8830	2430	3640	2510	1560
27	639	4750	3860	1860	6870	2180	2880	8400	2840	1270	2040	1320
28	719	4750	4940	1310	7110	2400	2060	8490	2630	1430	2550	1060
29	2530	3220	6730	1070	---	2380	4320	8460	1130	3380	2610	878
30	3760	4440	6700	1470	---	1300	4130	8230	1120	2940	2420	2000
31	2250	---	7420	1430	---	1950	---	8100	---	2900	995	---
TOTAL	34921	128390	178390	121400	99910	170850	67550	210820	139090	185350	79665	51807
MEAN	1126	4280	5755	3916	3568	5511	2252	6801	4636	5979	2570	1727
MAX	3760	6630	13800	10000	7110	17600	6250	15500	9400	13400	5250	2900
MIN	615	1810	2580	1070	1120	1300	1060	1410	1120	1270	995	853
CFSM	0.63	2.38	3.20	2.17	1.98	3.06	1.25	3.78	2.57	3.32	1.43	0.96
IN.	0.72	2.65	3.68	2.51	2.06	3.53	1.40	4.35	2.87	3.83	1.65	1.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2003, BY WATER YEAR (WY)

MEAN	1871	2627	2557	2802	3792	4413	3197	2781	2317	2257	1654	1583
MAX	3864	5446	5755	4617	7819	8045	7032	6801	4636	5979	2570	2400
(WY)	1996	1996	2003	1998	1998	1996	1998	2003	2003	2003	2003	1994
MIN	943	1184	1507	1269	1258	1530	1011	1191	1037	926	1104	747
(WY)	2000	2002	2002	2000	2000	2000	1999	2000	2002	2000	2002	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1993 - 2003	
ANNUAL TOTAL	766282		1468143			
ANNUAL MEAN	2099		4022		2651	
HIGHEST ANNUAL MEAN					4022	2003
LOWEST ANNUAL MEAN					1491	2000
HIGHEST DAILY MEAN	13800	Dec 25	17600	Mar 6	25900	Feb 4 1998
LOWEST DAILY MEAN	481	Jul 22	615	Oct 14	481	Aug 14 2000
ANNUAL SEVEN-DAY MINIMUM	637	Jun 18	768	Oct 9	635	Sep 17 1999
MAXIMUM PEAK FLOW			24300	Mar 6	36000	Mar 4 1979
MAXIMUM PEAK STAGE			33.44	Mar 6	36.13	Mar 5 1979
ANNUAL RUNOFF (CFSM)	1.17		2.23		1.47	
ANNUAL RUNOFF (INCHES)	15.83		30.32		20.00	
10 PERCENT EXCEEDS	4680		8330		5410	
50 PERCENT EXCEEDS	1380		3060		1900	
90 PERCENT EXCEEDS	718		1110		853	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02395980 ETOWAH RIVER AT GA 1 LOOP, NEAR ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341356 LONGITUDE 0850701 NAD27 DRAINAGE AREA 1801 CONTRIBUTING DRAINAGE AREA 1801* DATUM 561.70 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.06	14.71	15.24	17.61	13.76	19.72	14.80	16.34	20.18	16.80	15.24	13.32
2	13.24	14.30	15.24	19.57	13.64	16.31	15.05	16.66	20.17	25.96	15.62	14.28
3	13.21	14.67	16.97	20.81	13.58	16.66	14.34	16.29	20.24	22.05	13.89	15.09
4	13.47	15.03	16.35	19.27	13.79	19.32	14.23	13.92	18.60	22.40	14.76	14.71
5	13.24	15.54	18.08	17.36	14.16	17.12	14.37	13.98	17.01	22.39	17.00	14.53
6	13.32	18.67	18.47	17.71	15.60	27.75	13.73	24.04	17.01	21.85	17.67	14.42
7	13.20	17.40	16.36	20.46	16.66	28.30	13.87	30.83	15.47	21.24	17.18	13.21
8	13.66	16.66	17.18	19.73	14.60	20.90	15.47	27.55	15.54	20.87	17.09	13.20
9	13.14	17.21	16.34	18.93	14.08	16.96	16.11	24.98	14.32	20.61	16.10	14.44
10	13.02	16.04	17.56	15.50	14.20	16.75	14.27	22.92	18.87	18.62	14.34	14.69
11	13.31	16.60	22.11	14.42	14.39	20.07	14.89	21.74	17.99	18.69	13.60	14.64
12	13.29	18.24	19.80	14.17	15.26	19.95	14.50	21.76	16.59	18.08	15.78	14.82
13	---	16.51	19.47	14.98	17.11	19.79	13.82	21.43	14.14	19.07	15.25	14.53
14	---	17.52	20.56	15.45	17.42	20.29	13.72	21.50	14.38	24.25	15.31	13.14
15	13.02	17.06	18.45	14.60	15.31	19.24	13.93	20.96	13.86	19.36	15.35	13.15
16	13.38	16.95	17.32	14.80	13.90	18.02	14.48	21.38	13.69	21.83	15.16	14.59
17	13.62	15.06	17.90	14.82	15.56	18.78	14.41	21.21	15.56	18.48	14.28	14.60
18	13.75	16.76	17.34	14.93	16.58	20.57	14.83	25.75	21.38	21.15	13.58	14.82
19	13.37	16.66	17.03	14.66	15.64	17.67	13.98	27.73	19.55	19.26	14.82	14.00
20	---	17.56	20.31	14.49	16.96	15.62	13.54	22.55	20.91	17.00	15.20	13.99
21	---	18.94	19.94	14.74	15.57	18.61	13.51	22.41	21.27	16.47	15.21	13.37
22	13.99	19.00	15.69	14.30	18.52	17.93	14.15	24.20	20.53	15.58	15.30	13.37
23	13.65	17.63	16.67	15.03	22.01	16.73	14.42	23.99	20.30	15.75	14.82	15.35
24	13.85	16.58	22.09	14.81	19.55	16.43	14.93	21.18	17.43	16.12	13.46	14.57
25	13.78	16.59	26.84	14.61	18.37	15.64	15.73	21.42	15.40	16.29	13.46	14.40
26	13.44	18.41	21.70	15.21	18.87	14.79	18.64	24.28	14.97	16.14	14.99	13.94
27	12.90	17.27	18.03	14.27	20.07	14.73	15.49	23.55	15.36	13.76	14.53	13.68
28	13.00	17.27	17.18	13.77	21.43	14.95	14.62	21.31	15.16	13.94	15.04	13.37
29	15.10	15.79	17.97	13.51	---	14.93	16.82	20.56	13.60	15.89	15.10	13.13
30	16.33	16.97	17.99	13.98	---	13.80	16.62	20.36	13.57	15.46	14.91	14.42
31	14.73	---	18.63	13.95	---	14.49	---	20.25	---	15.43	13.37	---
MEAN	---	16.79	18.41	15.89	16.31	18.16	14.78	21.84	17.10	18.74	15.08	14.13
MAX	---	19.00	26.84	20.81	22.01	28.30	18.64	30.83	21.38	25.96	17.67	15.35
MIN	---	14.30	15.24	13.51	13.58	13.80	13.51	13.92	13.57	13.76	13.37	13.13

02395996 ETOWAH RIVER AT COOSA VALLEY FAIRGROUNDS, AT ROME, GA

LOCATION.—Lat 34°15'23", long 85°09'02" referenced to North American Datum (NAD) of 1927, Floyd County, Hydrologic Unit 03150104, 6.0 miles upstream from confluence with Oostanaula River, located off of GA 293 on the Coosa Valley Fairgrounds property.

DRAINAGE AREA.—1,819 square miles.

COOPERATION.—U.S. Army Corp Of Engineers, Mobile District.

WATER-STAGE RECORDS

PERIOD OF RECORD.—July to December, 1903, August 1904 to June 1921, October, 1938 to September 1994, October 1994 to current year.

GAGE.—Water-stage recorder. Datum of gage is 584.00 feet above National Geodetic Vertical Datum (NGVD) of 1929.

REMARKS.—Records good. Station is auxiliary gage for 02395980 Etowah River at GA 1 Loop near Rome, GA. Stages below 4.46 feet were not recorded.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 29.13 feet, March 6.

STATION NUMBER 02395996 ETOWAH RIVER AT COOSA VALLEY F.G., AT ROME, GA SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341523 LONGITUDE 0850902 NAD27 DRAINAGE AREA 1819* CONTRIBUTING DRAINAGE AREA DATUM 584.00 NGVD29

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

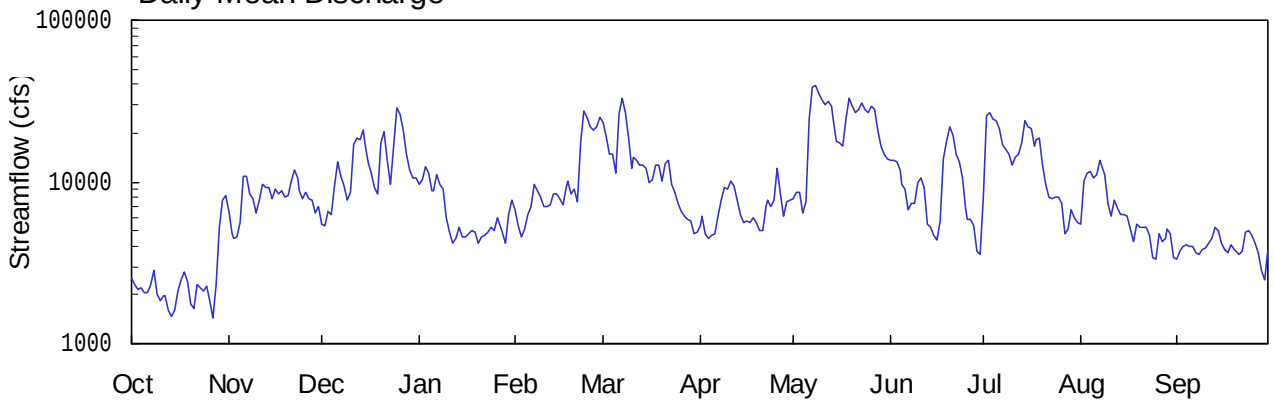
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.99	8.39	8.66	12.43	7.95	18.46	8.07	10.55	15.06	10.87	8.64	5.70
2	5.12	7.20	8.58	14.04	6.96	15.45	8.70	10.80	14.97	22.41	11.14	7.12
3	5.03	7.61	10.77	15.59	6.53	13.61	7.46	10.76	15.00	20.64	10.70	8.24
4	5.46	8.09	10.11	14.14	6.98	14.93	7.18	7.63	13.37	19.81	10.83	7.66
5	5.06	8.92	12.40	11.84	7.89	12.24	7.38	8.31	11.52	19.66	11.78	7.44
6	5.20	13.37	14.23	12.10	9.40	23.50	6.68	20.94	11.53	18.27	12.43	7.32
7	4.98	12.45	11.90	15.07	11.68	25.94	7.47	28.57	9.31	16.76	13.36	5.48
8	5.87	11.00	11.88	14.12	9.92	20.05	9.59	26.76	9.77	16.20	12.62	5.41
9	4.93	11.30	10.51	13.37	9.02	15.02	10.75	24.50	8.59	15.78	11.35	7.30
10	4.70	9.69	11.86	9.25	8.37	12.11	9.55	22.55	13.24	13.61	8.49	7.63
11	5.17	10.72	17.65	7.74	8.48	15.22	10.41	21.42	12.57	14.27	7.21	7.58
12	---	12.81	16.74	7.11	9.27	14.96	9.84	21.26	11.19	14.26	9.89	7.82
13	---	11.29	16.40	8.08	11.53	14.66	8.36	20.48	7.53	15.41	9.05	7.41
14	---	12.07	17.88	8.98	11.63	15.08	7.33	18.48	7.69	20.74	8.91	5.19
15	4.70	11.17	15.58	7.82	9.85	14.15	7.17	16.75	6.86	17.50	8.89	5.19
16	5.23	11.63	13.44	7.96	8.35	12.55	7.78	16.97	6.50	18.39	8.75	7.40
17	5.72	9.86	13.06	8.11	10.72	13.30	7.69	16.73	8.74	14.97	7.45	7.44
18	5.92	11.21	11.92	8.28	11.72	15.30	8.32	21.55	16.21	17.18	6.25	7.74
19	5.44	10.91	11.39	8.05	10.27	13.19	7.31	25.49	16.25	16.28	8.19	6.58
20	---	11.77	16.78	7.44	11.59	10.94	6.54	21.82	18.14	12.46	8.47	6.52
21	---	13.45	17.38	7.89	9.71	13.84	6.51	20.78	17.53	11.18	8.56	5.54
22	6.08	13.99	12.74	7.49	15.67	13.65	8.25	21.92	15.65	9.94	8.69	5.58
23	5.77	12.60	11.58	8.35	20.76	11.41	8.80	22.92	15.00	9.89	7.96	8.77
24	5.98	11.13	17.50	8.20	18.97	10.92	8.84	20.82	12.11	10.31	5.94	8.17
25	6.04	10.77	23.95	7.85	17.31	9.73	9.68	20.32	9.18	10.49	5.86	7.62
26	5.35	12.69	20.29	8.83	17.06	8.57	13.45	22.39	8.41	10.16	8.15	6.75
27	4.50	11.43	16.69	7.82	17.87	8.36	9.81	21.55	8.90	6.80	7.52	6.24
28	---	11.37	13.89	6.98	19.63	8.48	8.00	17.87	8.49	7.05	8.14	5.47
29	8.10	9.50	13.25	6.40	---	8.40	10.71	16.12	6.18	9.60	8.33	5.18
30	10.43	10.87	12.86	7.76	---	6.81	10.61	15.62	6.07	8.96	8.08	7.17
31	9.62	---	13.38	8.72	---	7.52	---	15.25	---	8.87	5.79	---
MEAN	---	10.98	14.04	9.61	11.61	13.50	8.61	18.96	11.39	14.15	8.95	6.82
MAX	---	13.99	23.95	15.59	20.76	25.94	13.45	28.57	18.14	22.41	13.36	8.77
MIN	---	7.20	8.58	6.40	6.53	6.81	6.51	7.63	6.07	6.80	5.79	5.18

2003 Water Year

02397000 COOSA RIVER NEAR ROME, GA

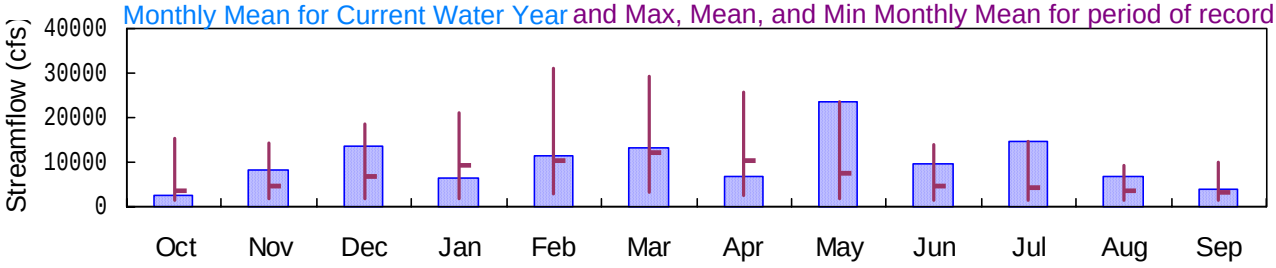
Latitude: 34°12'01" Longitude: 085°15'24" Hydrologic Unit Code: 03150105 Floyd County
Drainage Area: 4040. mi^2 Datum: 553.0 feet

Daily Mean Discharge

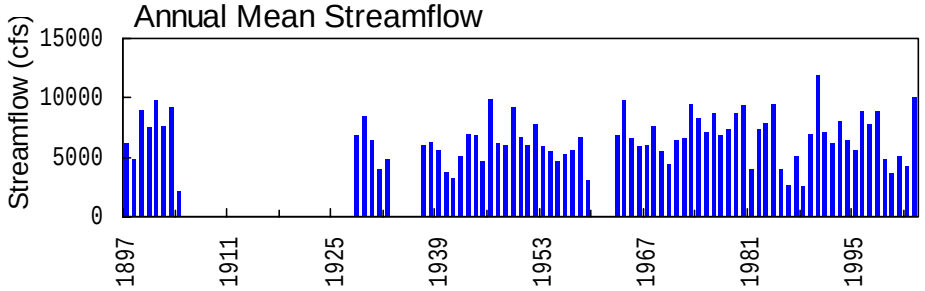


Monthly Statistics

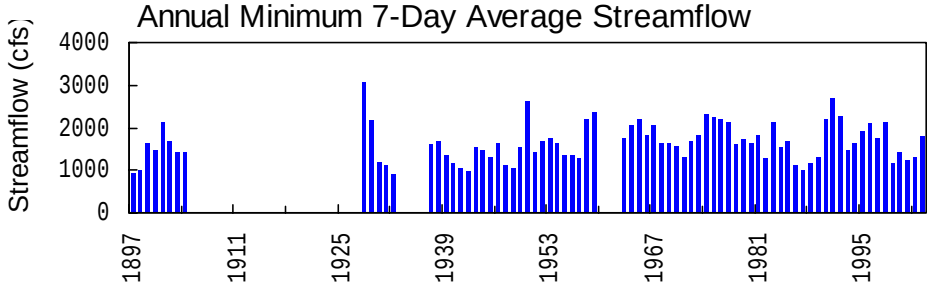
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



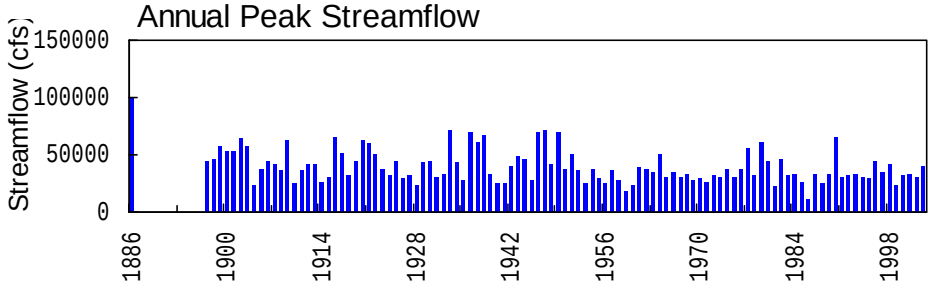
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



MOBILE RIVER BASIN
2003 Water Year

02397000 COOSA RIVER NEAR ROME, GA

LOCATION.—Lat 34°12'01", long 85°15'24" referenced to North American Datum (NAD) of 1927, Floyd County, Hydrologic Unit 03150105, on left bank attached to left lock wall of Mayo's Bar lock near upstream end, 1.5 miles upstream from Webb Creek, 6.0 miles southwest of Rome, 7.5 miles downstream from confluence of Oostanaula and Etowah Rivers, and at mile 278.6.

DRAINAGE AREA.—4,040 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District, Georgia Geologic Survey, Georgia Power, Alabama Power.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1896 to December 1903 (published as "at Rome"), June 1928 to December 1931, March 1937 to December 1958, October 1962 to current year. Water years 1959-62 (annual maximum only).

REVISED RECORDS.—WSP 1674, 1906: 1959(M) WDR GA-90-1: 1937-38(M), 1946(P), 1947(M), 1949(M), WDR GA-92-1: 1981.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 553.05 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Corps of Engineers). From January 1, 1897, to December 31, 1903, a non-recording gage was located at site 7.5 miles upstream at datum 8.65 feet higher. From June 21, 1928, to December 31, 1931, and March 10, 1937 to December 31, 1958, a water-stage recorder was located at site 200 feet downstream at same datum. The station 02388525 Oostanaula River at US 27, at Rome, has been used as an auxiliary gage since 1963.

REMARKS.—Records good, except for periods of estimated discharge, which are poor. Flow regulated by Allatoona Reservoir since December 1949 and by Carters Lake and Carters re-regulation Reservoir since November 1974.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum stage known since at least 1834, 40.3 feet at site and datum at Rome, equivalent to about 43 feet at present site, from gage-height relation, April 1, 1886, discharge, 100,000 cfs, from rating curve extended above 63,000 cfs on basis of peak flow at Gadsden, AL.

02397000 COOSA RIVER NEAR ROME, GA–continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1896 to December 1903 (published as "at Rome"), June 1928 to December 1931, March 1937 to December 1958, October 1962 to current year. Water years 1959-62 (annual maximum only). Gage-height records collected at same site for period 1922-49 are contained in reports of National Weather Service.

GAGE.—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor. Datum of gage is 553.05 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Corps of Engineers). From January 1, 1897, to December 31, 1903, a non-recording gage was located at site 7.5 miles upstream at datum 8.65 feet higher. From June 21, 1928, to December 31, 1931, and March 10, 1937 to December 31, 1958, a water-stage recorder was located at site 200 feet downstream at same datum. The station 02388525 Oostanaula River at US 27, at Rome, has been used as an auxiliary gage since 1963.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 29.90 feet, May 8; minimum gage-height recorded, 10.93 feet, October 27.

PRECIPITATION RECORDS

PERIOD OF RECORD.—December 14, 2000 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397000 COOSA RIVER NEAR ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341201 LONGITUDE 0851524 NAD27 DRAINAGE AREA 4040.00 CONTRIBUTING DRAINAGE AREA 4040* DATUM 553.05 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e2540	6510	5510	9630	6780	23700	5380	7970	13600	8020	5510	3340
2	e2340	4740	5320	10400	5360	19300	6080	8610	13400	25800	10200	e3720
3	e2140	4460	6640	12400	4610	14800	4800	8720	13300	26900	11400	e3990
4	e2220	4530	6290	11400	5140	14800	4510	6470	11900	24600	11500	e4050
5	e2080	5590	9370	8840	6280	11300	4650	7460	9620	24100	10700	e4000
6	e2080	10900	13300	8740	7110	26200	4750	24800	8950	21200	11000	e3980
7	e2340	10700	10800	11000	9680	33200	e6180	38400	6680	17200	13700	e3680
8	e2830	8430	9410	9750	8820	26800	7730	e39200	7390	15900	12800	e3600
9	2040	7940	7740	9020	8000	18500	9140	e35500	7420	14900	11100	e3840
10	1840	6400	8550	5940	7050	12100	9100	e32500	9930	12700	7350	3920
11	1980	7640	17100	4840	6980	14100	10100	e30100	10500	14100	6150	4200
12	1990	9710	18600	4150	7180	13600	9520	e31700	9240	14800	7710	e4490
13	1610	9240	18100	4460	8520	12700	7760	e29200	5540	17200	6800	e5200
14	1480	9210	20900	5280	8340	12600	6250	e24400	5260	24200	6300	e5000
15	1600	7940	17300	4600	7950	12100	5620	17800	4680	21800	6220	e4160
16	2100	9000	13400	4550	7140	9820	5680	17300	4360	21200	6100	e3810
17	2490	8390	11300	4820	9330	10300	5560	16700	5790	16800	5150	e3610
18	2780	8770	9150	4960	10100	12700	6050	24500	13800	18300	4240	e4080
19	2440	8120	8400	4950	8420	12600	5650	32900	18000	18900	5530	e3830
20	1760	8210	17600	4180	9050	10100	4990	29600	21700	12600	5190	e3770
21	1660	10200	20400	4620	7510	13000	4960	27100	19600	9720	5200	e3540
22	2310	11800	13600	4630	17600	13500	7040	28000	14800	8110	5220	e3760
23	2200	10600	9640	4880	27200	9700	7710	30700	13200	7890	4650	e4880
24	2110	8790	16700	5230	25100	8690	7090	28400	10700	8060	3380	5030
25	2270	7850	28900	5030	22000	7430	7740	26800	6800	8070	3320	e4690
26	1850	8710	e26100	5970	21000	6530	12100	29100	5880	7390	4750	4150
27	1440	7920	20700	5580	21900	6170	8400	27800	5860	4760	4240	e3660
28	2320	7660	14800	4910	25000	5930	6100	20900	5300	5140	4500	e2820
29	5190	6380	11900	4150	---	5740	7540	16500	3720	6690	e5160	e2470
30	7670	7070	10600	6300	---	4740	7720	15000	3540	5950	4780	e3820
31	8320	---	10600	7670	---	4920	---	14100	---	5570	3390	---
TOTAL	80020	243410	418720	202880	319150	407670	205900	728230	290460	448570	213240	119090
MEAN	2581	8114	13510	6545	11400	13150	6863	23490	9682	14470	6879	3970
MAX	8320	11800	28900	12400	27200	33200	12100	39200	21700	26900	13700	5200
MIN	1440	4460	5320	4150	4610	4740	4510	6470	3540	4760	3320	2470
CFSM	0.64	2.01	3.34	1.62	2.82	3.26	1.70	5.81	2.40	3.58	1.70	0.98
IN.	0.74	2.24	3.86	1.87	2.94	3.75	1.90	6.71	2.67	4.13	1.96	1.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2003, BY WATER YEAR (WY)

MEAN	3479	4787	6631	9217	10380	12180	10450	7617	4780	4261	3435	3111
MAX	15440	14130	18640	20980	31130	29220	25730	23490	13970	14470	9360	9956
(WY)	1990	1978	1984	1974	1990	1990	1964	2003	1973	2003	1984	1950
MIN	1472	1665	1881	1922	2912	3115	2544	1651	1513	1341	1333	1410
(WY)	1989	1988	1988	1956	2000	1988	1986	1988	1988	1986	1986	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1950 - 2003	
ANNUAL TOTAL	2036460		3677340			
ANNUAL MEAN	5579		10070		6686	
HIGHEST ANNUAL MEAN					11880	1990
LOWEST ANNUAL MEAN					2509	1988
HIGHEST DAILY MEAN	28900	Dec 25	39200	May 8	64200	Mar 18 1990
LOWEST DAILY MEAN	1020	Aug 12	1440	Oct 27	907	Oct 14 1988
ANNUAL SEVEN-DAY MINIMUM	1290	Aug 9	1790	Oct 9	1020	Oct 2 1986
MAXIMUM PEAK FLOW			40500	May 8	65500	Mar 18 1990
MAXIMUM PEAK STAGE			29.90	May 8	35.97	Mar 18 1990
ANNUAL RUNOFF (CFSM)	1.38		2.49		1.65	
ANNUAL RUNOFF (INCHES)	18.75		33.86		22.49	
10 PERCENT EXCEEDS	11100		21700		14600	
50 PERCENT EXCEEDS	3830		7740		4410	
90 PERCENT EXCEEDS	1690		3580		1950	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397000 COOSA RIVER NEAR ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341201 LONGITUDE 0851524 NAD27 DRAINAGE AREA 4040.00 CONTRIBUTING DRAINAGE AREA 4040* DATUM 553.05 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	13.36	12.94	14.65	13.47	21.85	12.89	13.96	16.48	13.99	12.95	12.03
2	---	12.63	12.86	14.98	12.89	19.58	13.18	14.23	16.31	22.60	14.87	---
3	---	12.52	13.41	15.81	12.58	17.24	12.66	14.27	16.23	23.77	15.38	---
4	---	12.54	13.26	15.39	12.80	17.23	12.53	13.34	15.61	22.34	15.43	---
5	---	12.98	14.55	14.33	13.26	15.36	12.59	13.75	14.64	22.18	15.08	---
6	---	15.18	16.22	14.28	13.60	23.02	12.64	22.17	14.37	20.82	15.22	---
7	---	15.10	15.13	15.20	14.67	27.29	13.20	29.18	13.43	18.76	16.51	---
8	---	14.15	14.56	14.70	14.32	24.08	13.86	---	13.72	18.01	16.02	---
9	11.39	13.95	13.87	14.40	13.98	19.50	14.45	---	13.73	17.45	15.28	---
10	11.27	13.31	14.20	13.12	13.57	15.76	14.43	---	14.77	16.11	13.70	12.28
11	11.35	13.83	18.07	12.67	13.55	16.70	14.85	---	15.01	16.81	13.20	12.40
12	11.36	14.68	18.97	12.38	13.63	16.38	14.60	---	14.48	17.19	13.85	---
13	11.11	14.49	18.73	12.51	14.19	15.94	13.87	---	12.96	18.50	13.48	---
14	11.02	14.48	20.13	12.85	14.12	15.93	13.25	---	12.85	22.00	13.27	---
15	11.10	13.95	18.42	12.57	13.95	15.68	12.99	19.01	12.61	20.97	13.24	---
16	11.42	14.39	16.33	12.55	13.62	14.73	13.02	18.60	12.47	20.46	13.19	---
17	11.63	14.14	15.35	12.66	14.52	14.94	12.97	18.30	13.06	18.40	12.80	---
18	11.78	14.29	14.45	12.72	14.86	15.97	13.17	22.27	16.67	18.86	12.42	---
19	11.61	14.03	14.14	12.71	14.15	15.93	13.00	26.93	18.77	19.41	12.95	---
20	11.22	14.06	18.33	12.39	14.41	14.85	12.73	25.48	20.67	16.19	12.81	---
21	11.15	14.90	19.88	12.57	13.77	16.10	12.72	23.92	19.82	14.69	12.82	---
22	11.52	15.55	16.51	12.58	18.38	16.54	13.58	24.30	17.37	14.02	12.82	---
23	11.46	15.05	14.65	12.69	23.40	14.68	13.85	25.73	16.21	13.93	12.58	---
24	11.43	14.30	17.94	12.83	22.52	14.26	13.60	24.63	15.10	14.00	12.05	12.75
25	11.52	13.92	24.36	12.75	20.87	13.74	13.87	23.52	13.48	14.00	12.02	---
26	11.27	14.27	---	13.14	20.33	13.36	15.71	24.66	13.10	13.72	12.63	12.38
27	10.99	13.94	20.21	12.98	20.86	13.22	14.14	24.29	13.09	12.64	12.42	---
28	11.45	13.84	17.11	12.70	22.47	13.12	13.19	20.81	12.86	12.80	12.52	---
29	12.82	13.30	15.59	12.38	---	13.04	13.78	18.35	12.20	13.43	---	---
30	13.84	13.59	15.03	13.27	---	12.63	13.86	17.54	12.12	13.13	12.64	---
31	14.11	---	15.04	13.84	---	12.71	---	16.82	---	12.97	12.05	---
MEAN	---	14.02	---	13.37	15.67	16.50	13.51	---	14.81	17.23	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397000 COOSA RIVER NEAR ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341201 LONGITUDE 0851524 NAD27 DRAINAGE AREA 4040.00 CONTRIBUTING DRAINAGE AREA 4040* DATUM 553.05 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.01	0.00	3.28	0.00	0.00
2	0.00	0.00	0.00	0.11	0.00	0.01	0.00	0.48	0.04	0.08	0.00	0.00
3	0.00	0.41	0.04	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.32	0.00
4	0.40	0.11	1.26	0.00	0.62	0.00	0.00	0.00	0.06	0.42	0.01	0.41
5	0.00	1.09	0.37	0.00	0.00	0.58	0.25	2.10	0.00	0.77	0.00	0.00
6	0.02	0.00	0.00	0.00	0.63	2.69	0.17	2.18	0.49	0.19	0.86	0.00
7	0.31	0.00	0.00	0.00	0.03	0.00	0.51	0.75	0.31	0.32	0.67	0.07
8	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.01	0.00	0.00	0.00
9	0.03	0.00	0.00	0.24	0.13	0.00	0.38	0.01	0.00	0.00	0.00	0.00
10	0.23	0.03	1.50	0.03	0.19	0.00	0.15	0.00	0.00	0.73	0.34	0.00
11	0.03	0.93	0.00	0.00	0.00	0.00	0.00	0.36	0.10	0.00	0.00	0.00
12	0.05	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.35	0.01	0.34	0.00
13	0.01	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.18	1.34	0.45	0.00
14	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.02	0.00	0.01	0.18	0.00
15	0.94	0.31	0.00	0.00	0.01	0.14	0.00	0.45	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.23	0.83	0.01	0.00	0.05	0.45	0.00	0.65	0.00
17	0.01	0.01	0.00	0.00	0.00	0.57	0.40	0.05	0.49	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.10	0.00	3.38	0.66	0.00	0.00	0.00
19	0.00	0.09	1.34	0.00	0.01	0.54	0.00	0.01	0.56	0.00	0.00	0.00
20	0.15	0.65	0.00	0.00	0.03	0.04	0.00	0.13	0.01	0.00	0.00	0.00
21	0.07	0.59	0.00	0.28	1.16	0.00	0.00	0.74	0.00	0.14	0.31	0.07
22	0.00	0.00	0.01	0.00	---	0.00	0.00	0.31	0.00	0.46	0.00	1.35
23	0.00	0.00	0.03	0.00	---	0.00	0.00	0.00	0.00	0.05	0.00	0.00
24	0.00	0.00	1.68	0.00	---	0.00	0.47	0.00	0.00	0.00	0.00	0.01
25	0.00	0.00	0.00	0.00	---	0.00	1.95	0.41	0.01	0.00	0.00	0.00
26	0.00	0.01	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.81	0.00	0.00	0.00	0.14	0.00	0.25	0.15
28	1.83	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.40	0.00	0.00	1.16	---	0.05	0.00	0.00	0.00	0.00	0.00	0.00
30	0.04	0.00	0.00	0.07	---	0.02	0.02	0.00	0.10	0.00	0.32	0.00
31	0.00	---	0.13	0.00	---	0.00	---	0.00	---	0.00	0.01	---
TOTAL	4.52	4.31	7.70	2.42	---	4.75	4.52	11.44	4.24	7.80	4.71	2.06

MOBILE RIVER BASIN
2003 Water Year

02397000 COOSA RIVER NEAR ROME, GA

LOCATION.—Lat 34°12'01", long 85°15'24" referenced to North American Datum (NAD) of 1927, Floyd County, Hydrologic Unit 03150105, on left bank attached to left lock wall of Mayo's Bar lock near upstream end, 1.5 miles upstream from Webb Creek, 6.0 miles southwest of Rome, 7.5 miles downstream from confluence of Oostanaula and Etowah Rivers, and at mile 278.6.

DRAINAGE AREA.—4,040 square miles, approximately.

COOPERATION.—U.S. Army Corps of Engineers, Mobile District, Georgia Geologic Survey, Georgia Power, Alabama Power.

PERIOD OF RECORD.—March 1968 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: February 1986 to September 1987, April 1988 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.—
WATER TEMPERATURE: Maximum recorded, 31.0 °C, July 19, 21, 1986; minimum recorded, 1.5 °C, February 5, 1996.

EXTREMES FOR CURRENT YEAR.—
WATER TEMPERATURE: Maximum, 27.0 °C, August 24, 25; minimum, 3.9 °C, January 25.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397000 COOSA RIVER NEAR ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341201 LONGITUDE 0851524 NAD27 DRAINAGE AREA 4040.00 CONTRIBUTING DRAINAGE AREA 4040 DATUM 553.05 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.7	22.1	22.3	17.9	16.4	17.0	11.1	9.5	10.2	9.6	8.7	9.0
2	23.3	22.7	22.9	16.4	15.0	15.6	10.0	8.8	9.2	10.0	9.4	9.7
3	23.6	23.3	23.5	15.0	14.6	14.8	10.5	8.9	9.6	9.6	8.6	9.1
4	23.8	23.4	23.6	15.1	14.4	14.8	10.6	9.4	10.1	8.6	8.0	8.3
5	23.8	23.6	23.7	15.4	14.7	15.1	9.6	8.2	8.9	8.6	8.0	8.3
6	24.0	23.8	23.9	15.3	14.8	15.1	8.2	7.6	7.8	8.5	7.9	8.1
7	24.2	23.6	24.0	15.0	14.0	14.3	8.2	7.3	7.7	7.9	7.3	7.5
8	23.6	22.3	22.7	14.8	13.6	14.3	8.2	7.5	7.9	7.6	7.2	7.3
9	22.3	21.2	21.7	15.2	14.4	15.0	8.6	7.7	8.2	8.1	7.5	7.7
10	21.2	20.5	20.8	16.3	14.7	15.9	9.0	8.4	8.7	8.7	8.1	8.4
11	20.9	20.5	20.6	17.6	16.3	17.1	8.8	8.4	8.6	8.6	7.5	8.1
12	21.6	20.9	21.2	17.6	16.6	17.1	8.6	8.3	8.4	7.5	6.5	6.9
13	22.3	21.6	22.0	16.6	15.4	16.0	8.9	8.5	8.7	6.5	6.1	6.3
14	22.1	21.2	21.7	15.4	14.5	14.8	8.9	8.6	8.8	6.5	5.8	6.2
15	21.2	19.8	20.7	14.7	13.9	14.1	8.6	8.2	8.3	6.9	5.7	6.2
16	19.8	19.1	19.4	14.5	13.5	14.1	8.7	8.0	8.2	6.4	5.3	5.8
17	19.1	18.2	18.5	13.5	11.9	12.8	8.9	8.3	8.7	6.0	5.2	5.5
18	18.2	17.2	17.5	12.1	11.1	11.4	9.3	8.8	9.0	5.8	4.5	5.0
19	17.4	16.8	17.1	12.6	11.8	12.2	10.1	9.3	9.5	5.3	4.5	4.9
20	17.4	17.1	17.2	13.3	12.1	12.8	10.5	10.1	10.3	5.7	4.9	5.1
21	17.7	17.2	17.4	13.6	12.6	13.3	10.4	9.4	9.8	7.3	5.7	6.4
22	18.4	17.7	18.0	13.6	12.5	13.1	9.5	9.3	9.4	8.0	7.0	7.5
23	18.5	18.1	18.3	12.5	11.5	11.9	9.4	9.1	9.2	7.0	5.5	6.5
24	18.6	18.3	18.4	11.8	11.2	11.4	9.3	8.8	9.0	5.5	4.1	4.6
25	18.6	18.3	18.4	11.8	11.0	11.4	9.0	8.5	8.7	4.3	3.9	4.1
26	18.5	18.0	18.2	12.3	11.2	11.9	8.5	7.7	8.1	5.6	4.3	4.8
27	18.3	18.1	18.2	12.2	11.4	11.8	7.7	7.0	7.2	5.9	4.9	5.3
28	19.0	18.1	18.4	11.6	10.5	10.9	7.4	6.6	6.9	5.3	4.9	5.0
29	19.6	18.9	19.1	10.8	9.6	10.1	7.9	7.2	7.5	6.1	5.2	5.6
30	19.8	19.1	19.6	11.1	9.9	10.6	8.2	7.6	7.8	7.2	6.1	6.7
31	19.1	17.9	18.4	---	---	---	8.9	8.0	8.2	7.4	6.8	7.0
MONTH	24.2	16.8	20.2	17.9	9.6	13.7	11.1	6.6	8.7	10.0	3.9	6.7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397000 COOSA RIVER NEAR ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341201 LONGITUDE 0851524 NAD27 DRAINAGE AREA 4040.00 CONTRIBUTING DRAINAGE AREA 4040 DATUM 553.05 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.1	7.4	7.7	9.2	8.4	8.7	13.6	12.6	13.1	19.0	17.6	18.2
2	8.7	7.9	8.2	10.1	9.2	9.7	14.3	13.5	13.8	19.0	17.9	18.4
3	9.3	8.5	8.7	10.6	10.0	10.2	15.5	14.3	14.8	18.3	17.4	17.8
4	10.1	9.3	9.8	10.6	9.2	9.6	16.2	15.4	15.8	18.7	17.8	18.2
5	10.1	9.2	9.5	10.7	9.9	10.3	16.8	16.0	16.3	18.9	18.6	18.7
6	9.2	8.5	8.9	12.5	10.5	11.7	16.6	16.2	16.4	18.6	17.8	18.2
7	8.5	6.9	7.3	12.5	12.1	12.2	17.1	16.2	16.6	18.5	18.2	18.4
8	7.1	6.6	6.8	12.5	11.9	12.2	17.0	16.0	16.6	---	---	---
9	7.1	6.4	6.7	13.4	12.5	12.8	16.0	14.2	15.1	---	---	---
10	7.7	7.1	7.3	13.5	13.0	13.3	14.2	13.0	13.6	---	---	---
11	7.8	7.2	7.5	13.5	10.9	11.6	13.4	12.7	13.0	---	---	---
12	8.4	7.5	7.8	11.5	10.9	11.2	13.6	12.7	13.2	---	---	---
13	8.3	6.7	7.4	12.1	11.3	11.7	14.9	13.6	14.0	---	---	---
14	7.6	7.0	7.2	12.2	11.4	11.8	16.2	14.9	15.4	18.2	---	---
15	8.3	6.9	7.5	11.6	11.4	11.5	17.4	16.1	16.6	17.4	16.5	16.9
16	8.9	8.3	8.7	12.3	11.5	11.9	18.1	17.1	17.6	16.9	16.5	16.6
17	8.8	8.5	8.6	12.3	11.7	12.0	18.0	17.3	17.6	17.6	16.9	17.3
18	8.7	7.5	8.0	12.2	11.5	11.9	18.1	16.9	17.5	18.3	17.6	17.9
19	8.1	7.5	7.7	13.2	12.2	12.7	18.0	17.3	17.7	18.8	18.3	18.5
20	8.4	7.5	8.0	14.0	13.2	13.6	18.1	17.7	17.9	18.8	18.3	18.5
21	9.3	8.4	8.8	14.5	13.6	14.0	18.4	17.8	18.1	18.6	17.9	18.3
22	11.0	9.3	10.1	13.8	13.2	13.4	18.5	17.8	18.1	17.9	17.6	17.7
23	11.4	11.0	11.2	13.8	13.2	13.5	18.3	17.5	17.8	18.8	17.8	18.2
24	11.4	11.3	11.3	13.7	13.1	13.5	17.6	15.9	16.6	19.5	18.8	19.2
25	11.3	10.7	11.1	15.0	13.6	14.2	15.9	14.8	15.4	20.1	19.4	19.7
26	10.7	9.0	9.9	15.4	14.5	14.8	15.8	15.3	15.5	19.8	19.0	19.2
27	9.0	8.2	8.6	15.7	14.9	15.3	17.1	15.8	16.3	19.2	19.0	19.1
28	8.6	8.2	8.3	16.2	15.5	15.7	18.2	16.9	17.4	19.1	18.5	18.8
29	---	---	---	16.2	15.0	15.5	18.6	17.1	17.8	18.7	18.5	18.6
30	---	---	---	15.2	13.8	14.4	18.5	17.0	17.7	18.7	18.5	18.6
31	---	---	---	13.8	12.9	13.3	---	---	---	19.2	18.7	19.0
MONTH	11.4	6.4	8.5	16.2	8.4	12.5	18.6	12.6	16.1	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397000 COOSA RIVER NEAR ROME, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 115
LATITUDE 341201 LONGITUDE 0851524 NAD27 DRAINAGE AREA 4040.00 CONTRIBUTING DRAINAGE AREA 4040 DATUM 553.05 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.4	19.1	19.2	23.7	21.6	22.8	25.2	24.2	24.8	26.3	25.9	26.1
2	19.3	19.1	19.2	21.6	21.1	21.3	25.2	23.9	24.4	26.5	25.6	26.1
3	19.5	19.3	19.4	22.1	21.5	21.7	24.5	23.8	24.2	26.5	25.6	26.1
4	20.0	19.5	19.7	22.4	22.1	22.3	24.4	24.1	24.3	26.2	24.8	25.6
5	20.2	19.6	20.0	22.5	22.4	22.5	24.4	23.8	24.1	25.9	24.6	25.2
6	20.3	19.7	19.9	22.6	22.5	22.6	24.4	23.6	24.0	25.9	24.6	25.2
7	20.8	19.5	20.1	22.6	22.4	22.5	23.6	23.1	23.3	25.1	24.2	24.6
8	22.1	20.4	21.2	23.2	22.5	22.8	23.8	23.1	23.4	24.2	23.7	23.8
9	22.4	21.1	21.7	23.5	23.1	23.3	24.0	23.6	23.8	24.0	23.1	23.7
10	22.5	21.3	21.9	23.8	23.2	23.5	24.3	23.7	24.0	24.2	23.6	24.0
11	21.6	21.0	21.3	23.2	22.7	23.0	24.2	23.8	24.0	24.2	23.6	24.0
12	21.8	21.0	21.5	23.6	23.2	23.4	24.4	24.1	24.3	24.2	23.5	24.0
13	22.1	21.4	21.7	23.6	23.2	23.4	25.0	23.9	24.4	24.2	23.3	23.9
14	22.7	21.5	22.0	23.3	22.8	23.0	25.2	24.1	24.7	24.1	23.7	23.8
15	23.5	22.4	22.8	23.4	22.8	23.0	25.9	24.6	25.3	23.9	23.6	23.8
16	23.6	23.0	23.3	23.4	23.1	23.2	25.9	25.3	25.7	23.8	22.6	23.3
17	23.8	23.0	23.4	23.6	23.2	23.4	26.0	24.8	25.4	23.7	22.9	23.4
18	23.7	21.5	22.2	23.6	23.0	23.3	26.5	25.6	26.0	23.9	23.0	23.6
19	22.1	21.4	21.8	24.1	23.3	23.6	26.7	25.8	26.3	23.8	22.9	23.4
20	22.1	21.8	21.9	24.4	23.9	24.2	26.6	25.6	26.2	24.0	23.0	23.5
21	22.0	21.6	21.8	24.5	24.2	24.4	26.5	25.3	26.0	23.9	23.4	23.5
22	21.7	21.3	21.5	24.4	23.4	24.1	26.4	25.4	26.0	23.7	22.8	23.4
23	21.9	21.4	21.6	23.8	23.1	23.4	26.9	25.4	26.3	23.1	22.2	22.7
24	22.7	21.8	22.1	23.9	23.2	23.5	27.0	26.4	26.7	22.8	22.2	22.5
25	23.9	22.5	23.2	23.9	23.2	23.6	27.0	26.5	26.7	22.7	21.9	22.3
26	23.9	22.7	23.4	24.3	23.3	23.8	26.8	26.2	26.6	23.1	22.0	22.5
27	23.9	22.9	23.2	25.2	23.6	24.3	26.7	25.8	26.4	23.2	22.4	22.8
28	23.3	22.0	22.7	25.3	24.5	24.9	26.6	25.4	26.0	23.2	22.1	22.5
29	23.9	22.9	23.3	25.4	24.9	25.1	26.4	25.1	25.9	22.1	20.6	21.3
30	24.0	23.7	23.9	25.4	24.3	25.0	26.3	25.3	25.8	20.6	19.3	20.0
31	---	---	---	25.4	24.6	25.0	26.2	25.6	25.8	---	---	---
MONTH	24.0	19.1	21.7	25.4	21.1	23.4	27.0	23.1	25.2	26.5	19.3	23.7

MOBILE RIVER BASIN
2003 Water Year

02397530 COOSA RIVER AT STATE LINE, AL/GA

LOCATION.—Lat 34°11'54", long 85°26'46" referenced to North American Datum (NAD) of 1927, Floyd County, GA-Cherokee County, AL, Hydrologic Unit 03150105, 6.5 miles southwest of Coosa, and at mile 254.8.

DRAINAGE AREA.--4,360 square miles, approximately.

COOPERATION.—Georgia Environmental Protection Division.

PRECIPITATION RECORDS

PERIOD OF RECORD.—January 9, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA STREAM SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362* DATUM 555.00 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.00	3.81	0.02	0.00
2	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.17	0.07	0.06	0.00	0.00
3	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.46	0.00
4	0.52	0.15	1.07	0.00	0.46	0.00	0.00	0.00	0.17	0.00	0.00	0.05
5	0.00	1.60	0.36	0.00	0.00	0.45	0.35	1.99	0.00	1.17	0.00	0.00
6	0.00	0.00	0.00	0.00	0.71	3.29	0.03	2.58	0.27	0.40	1.21	0.00
7	0.38	0.00	0.00	0.00	0.02	0.00	0.65	0.51	0.51	0.02	0.29	0.05
8	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.21	0.00	0.00	0.00	0.00
9	0.67	0.00	0.00	0.34	0.12	0.00	0.35	0.01	0.00	0.02	0.01	0.00
10	0.21	0.04	1.79	0.03	0.22	0.00	0.15	0.00	0.00	0.55	0.03	0.00
11	0.03	0.68	0.01	0.00	0.00	0.00	0.00	0.32	0.07	0.00	0.00	0.00
12	0.10	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.27	0.00
13	0.00	0.00	0.79	0.00	0.00	0.00	0.00	0.00	0.28	2.80	0.71	0.00
14	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.04	0.00	0.00	0.00	0.00
15	1.28	0.60	0.00	0.00	0.01	0.12	0.00	0.46	0.00	0.00	0.00	0.00
16	0.01	0.03	0.00	0.25	0.55	0.01	0.00	0.07	0.32	0.00	0.95	0.00
17	0.00	0.00	0.00	0.00	0.01	0.58	0.31	0.25	1.53	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.19	0.00	3.59	0.21	0.00	0.00	0.00
19	0.00	0.09	1.64	0.00	0.00	0.55	0.00	0.03	0.25	0.00	0.00	0.00
20	0.14	0.69	0.00	0.00	0.03	0.31	0.00	0.11	0.00	0.00	0.00	0.00
21	0.02	0.62	0.00	0.18	1.40	0.00	0.05	1.47	0.00	0.72	0.00	0.45
22	0.00	0.00	0.02	0.00	0.89	0.00	0.00	0.51	0.00	0.45	0.00	1.58
23	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00
24	0.00	0.00	1.54	0.00	0.00	0.00	0.66	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	1.59	0.65	0.00	0.00	0.00	0.00
26	0.00	0.04	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.01	0.00	0.00	1.26	0.00	0.00	0.00	0.01	0.00	0.00	0.80
28	2.28	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.58	0.00	0.00	1.17	---	0.01	0.00	0.00	0.00	0.00	0.00	0.00
30	0.05	0.00	0.00	0.01	---	0.01	0.70	0.00	0.30	0.00	0.12	0.00
31	0.00	---	0.21	0.01	---	0.00	---	0.00	---	0.00	0.10	---
TOTAL	6.27	5.19	7.46	2.42	6.68	5.52	5.40	12.97	4.18	10.10	4.17	2.93

MOBILE RIVER BASIN
2003 Water Year

02397530 COOSA RIVER AT STATE LINE, AL/GA

LOCATION.--Lat 34°11'54", long 85°26'46" referenced to North American Datum (NAD) of 1927, Floyd County, GA-Cherokee County, AL, Hydrologic Unit 03150105, 6.5 miles southwest of Coosa, and at mile 254.8.

DRAINAGE AREA.--4,360 square miles, approximately.

COOPERATION.—Georgia Environmental Protection Division.

PERIOD OF RECORD.—August 1976 to current year.

CONTINUOUS WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: August 1976 to current year.
pH: August 1976 to current year.
WATER TEMPERATURE: August 1976 to current year.
DISSOLVED OXYGEN: August 1976 to current year.

INSTRUMENTATION.—Satellite telemetry with a continuous water-quality monitor.

REMARKS.—Records fair.

EXTREMES FOR PERIOD OF DAILY RECORD.—

SPECIFIC CONDUCTANCE: Maximum recorded, 270 microsiemens, September 26, 27, 29, 30, 1999; minimum recorded, 32 microsiemens, April 15, 1979.
pH: Maximum recorded, 10.4 units, July 9, 1993; minimum recorded, 6.1 units, September 22, 1992.
WATER TEMPERATURE: Maximum recorded, 36.5 °C, July 18, 25, 1986; minimum recorded, 1.0 °C, January 13, 1982.
DISSOLVED OXYGEN: Maximum recorded, 16.9 mg/L, June 19, 2000; minimum recorded, 0.4 mg/L, July 14, 1993.

EXTREMES FOR CURRENT YEAR.—

SPECIFIC CONDUCTANCE: Maximum, 250 microsiemens, October 16; minimum, 61 microsiemens, March 7.
pH: Maximum, 8.3 units, August 25; minimum, 6.7 units, December 26, May 8, 9.
WATER TEMPERATURE: Maximum, 30.6 °C, September 2; minimum, 4.9 °C, January 27.
DISSOLVED OXYGEN: Maximum, 15.5 mg/L, January 27; minimum, 2.1 mg/L, June 19.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA STREAM SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	165	160	162	171	162	167	141	122	129	---	---	---
2	168	161	165	162	151	156	147	123	135	---	---	---
3	172	168	171	169	159	165	154	133	142	123	103	108
4	182	172	178	178	161	169	145	120	130	110	103	106
5	190	181	185	174	165	169	134	119	126	120	108	114
6	199	189	195	178	141	160	136	104	115	123	116	119
7	211	198	204	143	136	140	125	114	122	121	102	114
8	211	209	210	147	139	143	126	119	123	106	101	103
9	217	203	211	156	142	151	123	113	116	109	99	105
10	212	203	206	151	139	146	123	114	117	118	99	108
11	212	192	204	156	141	150	120	94	108	140	118	130
12	215	199	210	152	136	144	102	91	95	157	134	150
13	222	213	218	147	133	140	108	102	105	175	157	165
14	225	216	219	158	146	150	105	93	99	184	170	176
15	230	223	225	150	135	142	103	93	97	178	149	165
16	250	230	243	145	132	138	106	97	101	169	148	156
17	247	237	242	140	128	133	112	103	107	175	152	164
18	241	231	234	157	140	151	122	104	111	172	142	159
19	234	227	231	152	133	145	125	117	121	174	140	156
20	228	217	223	142	128	133	130	96	115	159	139	148
21	223	217	219	138	118	130	104	89	96	161	133	150
22	232	219	227	136	116	122	112	101	106	158	147	153
23	236	229	233	137	126	130	124	110	113	168	134	147
24	237	215	228	139	130	134	126	98	116	167	139	150
25	229	215	221	136	127	132	101	76	85	161	146	150
26	231	209	225	136	125	130	101	92	96	151	130	140
27	216	205	210	135	118	123	---	---	---	143	116	131
28	226	203	213	132	122	126	---	---	---	132	111	124
29	227	196	214	135	120	127	---	---	---	134	116	125
30	196	160	174	138	125	132	---	---	---	154	132	144
31	170	156	163	---	---	---	---	---	---	157	136	147
MONTH	250	156	208	178	116	143	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA STREAM SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	170	155	164	98	88	93	154	145	148	133	120	127
2	162	155	158	93	88	89	170	154	162	136	125	132
3	158	154	155	104	92	97	157	143	150	139	124	131
4	168	153	160	125	93	109	155	135	143	137	128	132
5	163	154	158	104	94	99	163	144	151	140	132	136
6	162	154	156	109	69	94	166	156	162	147	86	127
7	164	123	152	76	61	67	167	156	162	87	74	80
8	134	117	125	78	74	76	173	147	159	77	72	74
9	140	133	136	94	78	86	166	149	158	81	74	78
10	140	135	136	108	94	102	150	132	140	82	77	80
11	141	136	138	121	98	111	139	132	136	77	75	76
12	141	138	140	103	98	100	141	134	137	91	77	82
13	144	136	139	103	100	101	134	126	130	107	91	101
14	141	112	121	104	99	102	136	132	134	114	99	106
15	128	111	119	100	98	99	142	131	136	102	96	99
16	136	112	121	108	99	103	154	140	145	99	93	96
17	142	132	136	112	105	108	154	146	150	96	93	95
18	144	133	141	115	102	107	157	139	149	94	84	90
19	133	120	125	110	102	105	150	138	145	84	73	77
20	135	120	126	120	110	116	152	138	144	84	77	81
21	134	113	120	129	119	124	156	140	145	101	84	92
22	135	98	123	129	111	119	160	147	153	101	94	96
23	98	83	89	121	111	115	154	142	148	96	82	88
24	89	83	86	123	117	119	159	147	153	85	80	82
25	88	86	87	128	116	122	161	139	151	88	85	87
26	91	87	89	135	121	127	152	114	131	98	84	89
27	102	90	96	135	128	131	127	113	119	91	85	88
28	102	89	94	142	135	139	135	115	127	99	90	94
29	---	---	---	146	138	143	151	134	143	99	94	97
30	---	---	---	152	141	147	144	120	136	---	---	---
31	---	---	---	154	141	147	---	---	---	98	94	95
MONTH	170	83	128	154	61	110	173	113	145	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA STREAM SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	97	95	96	168	148	158	146	130	138	158	149	152
2	98	95	96	165	84	119	147	132	140	166	158	163
3	98	93	95	90	83	86	140	106	128	168	160	163
4	103	96	98	96	90	92	112	100	105	179	164	172
5	109	101	105	90	82	84	136	112	125	168	153	163
6	116	106	112	90	83	87	139	119	128	160	148	154
7	127	109	117	91	89	90	121	108	115	163	160	162
8	139	118	125	93	90	91	111	101	106	171	163	168
9	139	124	132	95	92	93	122	111	118	172	161	167
10	137	123	127	99	95	97	120	114	117	175	155	165
11	151	113	125	112	96	103	124	114	117	188	158	171
12	113	104	108	116	96	102	126	121	123	166	146	154
13	118	110	115	116	98	106	146	121	131	161	142	151
14	134	117	126	104	78	91	137	120	125	156	145	151
15	154	134	144	92	80	88	141	127	134	153	144	147
16	165	154	161	103	92	96	146	128	135	167	149	156
17	165	161	163	101	92	96	143	128	135	176	158	166
18	167	119	155	107	92	103	145	132	139	195	156	175
19	119	95	104	92	84	87	154	128	139	182	154	168
20	107	94	101	110	90	98	173	137	150	163	152	158
21	100	97	98	114	108	111	176	144	158	168	153	159
22	100	98	99	124	110	115	159	145	151	177	159	170
23	102	100	102	135	114	126	165	143	153	184	163	174
24	104	99	101	139	124	130	158	141	149	174	161	165
25	111	103	106	141	121	130	162	147	153	166	148	154
26	137	111	120	133	121	126	171	158	164	180	160	174
27	138	123	130	133	122	125	174	164	168	173	158	164
28	144	129	135	134	122	128	189	163	178	164	154	161
29	154	133	143	153	133	141	163	154	159	157	151	154
30	163	139	148	158	143	152	162	152	157	162	156	160
31	---	---	---	150	124	134	160	150	156	---	---	---
MONTH	167	93	120	168	78	109	189	100	139	195	142	162

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA STREAM SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.4	7.3	7.3	7.2	7.1	7.2	7.4	7.3	7.4	7.1	7.1	7.1
2	7.5	7.3	7.3	7.2	7.1	7.2	7.4	7.3	7.4	7.4	7.1	7.1
3	7.5	7.3	7.4	7.2	7.2	7.2	7.5	7.4	7.4	7.4	7.3	7.3
4	7.5	7.4	7.4	7.4	7.2	7.3	7.5	7.4	7.4	7.3	7.3	7.3
5	7.7	7.4	7.4	7.4	7.4	7.4	7.4	7.3	7.3	7.3	7.3	7.3
6	7.7	7.5	7.6	7.4	7.2	7.3	7.3	7.0	7.1	7.4	7.3	7.4
7	7.9	7.6	7.7	7.2	7.1	7.1	7.1	7.1	7.1	7.4	7.3	7.3
8	7.7	7.6	7.6	7.2	7.1	7.2	7.2	7.1	7.2	7.3	7.3	7.3
9	7.6	7.6	7.6	7.3	7.2	7.3	7.3	7.2	7.2	7.3	7.2	7.3
10	7.6	7.5	7.5	7.3	7.2	7.3	7.3	7.3	7.3	7.3	7.2	7.3
11	7.5	7.4	7.4	7.3	7.3	7.3	7.3	7.0	7.2	7.4	7.3	7.4
12	7.5	7.3	7.4	7.3	7.2	7.2	7.0	7.0	7.0	7.5	7.4	7.4
13	7.4	7.3	7.4	7.2	7.1	7.2	7.1	7.0	7.1	7.5	7.4	7.5
14	7.4	7.3	7.4	7.3	7.2	7.2	7.1	7.0	7.0	7.6	7.5	7.5
15	7.4	7.4	7.4	7.3	7.2	7.3	7.1	7.0	7.0	7.6	7.4	7.5
16	7.5	7.4	7.5	7.3	7.2	7.3	7.1	7.1	7.1	7.5	7.4	7.4
17	7.5	7.4	7.4	7.3	7.2	7.3	7.2	7.1	7.1	7.5	7.4	7.4
18	7.6	7.4	7.5	7.3	7.3	7.3	7.3	7.1	7.2	7.5	7.4	7.4
19	7.6	7.5	7.5	7.3	7.3	7.3	7.3	7.3	7.3	7.5	7.4	7.5
20	7.5	7.4	7.4	7.3	7.2	7.3	7.3	7.1	7.3	7.6	7.5	7.5
21	7.5	7.4	7.4	7.3	7.2	7.3	7.1	7.0	7.0	7.6	7.4	7.5
22	7.6	7.4	7.5	7.2	7.2	7.2	7.1	7.0	7.1	7.6	7.5	7.5
23	7.5	7.4	7.5	7.2	7.2	7.2	7.2	7.1	7.1	7.6	7.5	7.5
24	7.6	7.4	7.5	7.3	7.2	7.3	7.3	7.1	7.2	7.6	7.5	7.5
25	7.6	7.5	7.6	7.3	7.3	7.3	7.1	6.8	7.0	7.6	7.5	7.6
26	7.6	7.5	7.5	7.3	7.3	7.3	6.8	6.7	6.7	7.6	7.5	7.5
27	7.5	7.5	7.5	7.3	7.3	7.3	6.8	6.8	6.8	7.6	7.5	7.5
28	7.5	7.4	7.5	7.3	7.3	7.3	6.9	6.8	6.9	7.5	7.5	7.5
29	7.5	7.3	7.5	7.3	7.3	7.3	7.0	6.9	7.0	7.5	7.4	7.5
30	7.3	7.1	7.2	7.4	7.3	7.3	7.0	7.0	7.0	7.6	7.4	7.5
31	7.2	7.1	7.2	---	---	---	7.1	7.0	7.1	7.4	7.3	7.4
MAX	7.9	7.6	7.7	7.4	7.4	7.4	7.5	7.4	7.4	7.6	7.5	7.6
MIN	7.2	7.1	7.2	7.2	7.1	7.1	6.8	6.7	6.7	7.1	7.1	7.1

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA STREAM SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.4	7.4	7.4	7.2	7.1	7.1	7.9	7.6	7.7	7.4	7.3	7.3
2	7.4	7.4	7.4	7.1	7.1	7.1	7.9	7.8	7.9	7.4	7.3	7.3
3	7.5	7.4	7.4	7.2	7.1	7.1	7.9	7.8	7.9	7.3	7.3	7.3
4	7.6	7.5	7.5	7.4	7.1	7.3	7.8	7.7	7.8	7.3	7.3	7.3
5	7.5	7.5	7.5	7.3	7.3	7.3	7.8	7.7	7.7	7.3	7.3	7.3
6	7.5	7.5	7.5	7.4	7.0	7.3	7.8	7.7	7.7	7.3	7.0	7.2
7	7.5	7.4	7.5	7.0	6.8	6.9	7.7	7.7	7.7	7.0	6.8	6.8
8	7.4	7.3	7.4	7.0	6.9	7.0	7.7	7.5	7.6	6.8	6.7	6.7
9	7.4	7.4	7.4	7.1	7.0	7.1	7.6	7.5	7.6	6.8	6.7	6.7
10	7.5	7.4	7.4	7.2	7.1	7.1	7.5	7.5	7.5	6.8	6.8	6.8
11	7.5	7.5	7.5	7.4	7.2	7.3	7.5	7.4	7.4	6.8	6.8	6.8
12	7.5	7.5	7.5	7.4	7.3	7.3	7.5	7.4	7.5	6.9	6.8	6.8
13	7.6	7.5	7.5	7.4	7.3	7.4	7.5	7.4	7.5	7.0	6.9	6.9
14	7.6	7.4	7.4	7.4	7.4	7.4	7.5	7.5	7.5	6.9	6.9	6.9
15	7.5	7.4	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.0	6.9	6.9
16	7.5	7.4	7.4	7.4	7.4	7.4	7.6	7.5	7.6	7.1	7.0	7.1
17	7.4	7.4	7.4	7.5	7.4	7.5	7.6	7.6	7.6	7.1	7.1	7.1
18	7.5	7.4	7.4	7.5	7.5	7.5	7.7	7.5	7.6	7.1	7.1	7.1
19	7.4	7.4	7.4	7.5	7.4	7.5	7.6	7.5	7.5	7.1	6.9	7.0
20	7.5	7.4	7.4	7.5	7.4	7.4	7.5	7.5	7.5	7.0	6.9	6.9
21	7.5	7.4	7.4	7.5	7.4	7.5	7.5	7.5	7.5	7.1	6.9	7.0
22	7.4	7.2	7.4	7.6	7.5	7.5	7.6	7.5	7.5	7.0	7.0	7.0
23	7.2	7.0	7.1	7.5	7.4	7.5	7.6	7.4	7.5	7.0	7.0	7.0
24	7.0	7.0	7.0	7.5	7.5	7.5	7.5	7.4	7.5	7.0	6.9	7.0
25	7.0	7.0	7.0	7.6	7.5	7.6	7.6	7.5	7.5	7.0	7.0	7.0
26	7.1	7.0	7.0	7.7	7.5	7.6	7.5	7.3	7.4	7.1	7.0	7.0
27	7.1	7.0	7.1	7.7	7.6	7.6	7.4	7.3	7.3	7.0	7.0	7.0
28	7.1	7.1	7.1	7.7	7.7	7.7	7.4	7.3	7.3	7.1	7.0	7.1
29	---	---	---	7.7	7.6	7.7	7.4	7.3	7.4	7.2	7.1	7.1
30	---	---	---	7.7	7.6	7.7	7.4	7.3	7.3	7.2	7.1	7.1
31	---	---	---	7.8	7.6	7.7	---	---	---	7.2	7.2	7.2
MAX	7.6	7.5	7.5	7.8	7.7	7.7	7.9	7.8	7.9	7.4	7.3	7.3
MIN	7.0	7.0	7.0	7.0	6.8	6.9	7.4	7.3	7.3	6.8	6.7	6.7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA STREAM SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

pH, water, unfiltered, field, standard units
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.2	7.2	7.2	7.5	7.4	7.5	7.4	7.2	7.3	7.5	7.3	7.4
2	7.3	7.2	7.3	7.5	7.0	7.2	7.4	7.2	7.4	7.5	7.3	7.4
3	7.3	7.2	7.3	7.0	7.0	7.0	7.3	7.1	7.2	7.5	7.3	7.4
4	7.3	7.2	7.3	7.1	7.0	7.0	7.1	7.0	7.0	7.5	7.3	7.4
5	7.3	7.2	7.3	7.0	7.0	7.0	7.1	7.1	7.1	7.5	7.3	7.4
6	7.3	7.2	7.2	7.0	6.9	7.0	7.3	7.1	7.2	7.4	7.3	7.3
7	7.3	7.2	7.2	7.0	6.9	6.9	7.3	7.0	7.2	7.5	7.3	7.4
8	7.3	7.1	7.2	7.0	7.0	7.0	7.3	7.0	7.2	7.6	7.3	7.4
9	7.3	7.2	7.3	7.1	7.0	7.0	7.4	7.1	7.2	7.4	7.2	7.4
10	7.3	7.2	7.2	7.1	7.0	7.0	7.3	7.0	7.1	7.5	7.2	7.4
11	7.3	7.2	7.2	7.1	7.0	7.0	7.1	7.0	7.0	7.6	7.5	7.6
12	7.2	7.1	7.1	7.1	7.0	7.0	7.2	7.0	7.1	7.6	7.4	7.5
13	7.2	7.1	7.2	7.1	7.0	7.0	7.3	7.0	7.2	7.5	7.4	7.5
14	7.3	7.2	7.3	7.0	6.9	7.0	7.2	7.0	7.1	7.9	7.3	7.4
15	7.4	7.3	7.4	6.9	6.9	6.9	7.2	7.0	7.1	8.0	7.3	7.5
16	7.4	7.4	7.4	6.9	6.9	6.9	7.2	7.0	7.0	7.6	7.2	7.3
17	7.5	7.4	7.5	6.9	6.8	6.9	7.2	7.0	7.1	7.3	7.2	7.2
18	7.6	7.5	7.5	7.0	6.8	6.9	7.3	7.2	7.2	7.4	7.2	7.3
19	7.6	7.6	7.6	7.1	7.0	7.1	7.6	7.2	7.3	7.5	7.2	7.3
20	7.6	7.0	7.0	7.0	7.0	7.0	7.7	7.4	7.5	7.6	7.2	7.3
21	7.0	7.0	7.0	7.1	7.0	7.0	7.5	7.4	7.5	7.4	7.2	7.3
22	7.1	7.0	7.1	7.3	7.0	7.2	7.5	7.4	7.4	7.2	7.1	7.2
23	7.3	7.1	7.2	7.4	7.2	7.3	7.5	7.4	7.4	7.3	7.2	7.2
24	7.3	7.2	7.2	7.4	7.3	7.4	8.2	7.4	7.4	7.3	7.2	7.2
25	7.3	7.2	7.3	7.4	7.3	7.4	8.3	7.5	7.6	7.2	7.0	7.1
26	7.4	7.2	7.3	7.4	7.3	7.4	7.6	7.5	7.5	7.1	7.0	7.1
27	7.4	7.3	7.3	7.6	7.3	7.4	7.7	7.5	7.5	7.1	7.1	7.1
28	7.5	7.4	7.4	7.4	7.3	7.4	7.6	7.4	7.5	7.1	7.1	7.1
29	7.8	7.4	7.5	7.5	7.3	7.4	7.6	7.3	7.4	7.3	7.1	7.1
30	7.6	7.4	7.5	7.6	7.4	7.5	7.5	7.3	7.4	7.3	7.1	7.2
31	---	---	---	7.4	7.3	7.3	7.6	7.3	7.3	---	---	---
MAX	7.8	7.6	7.6	7.6	7.4	7.5	8.3	7.5	7.6	8.0	7.5	7.6
MIN	7.0	7.0	7.0	6.9	6.8	6.9	7.1	7.0	7.0	7.1	7.0	7.1

YEAR			
	MAX	MAXIMUM 8.3	MINIMUM 6.8
	MIN	MAXIMUM 7.8	MINIMUM 6.7
	MEDIAN	MAXIMUM 7.9	MINIMUM 6.7

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA STREAM SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.9	23.4	23.9	19.3	18.0	18.7	11.3	10.5	10.9	9.6	8.8	9.1
2	26.1	23.6	24.7	18.0	17.5	17.8	11.4	10.4	11.0	10.6	9.5	9.9
3	26.2	24.5	25.3	17.5	16.8	17.1	11.1	9.6	10.3	10.6	9.4	9.8
4	25.8	25.3	25.6	17.1	15.9	16.3	10.8	10.0	10.3	9.4	8.5	9.0
5	27.3	25.7	26.2	16.5	15.7	16.1	10.9	9.1	10.2	9.0	8.4	8.7
6	27.4	26.6	26.8	16.3	15.3	15.8	9.1	8.1	8.6	9.1	8.6	8.8
7	27.3	26.8	27.0	15.4	14.6	15.1	8.5	7.7	8.1	8.9	8.1	8.6
8	27.0	26.5	26.8	15.3	14.6	14.8	8.1	7.4	7.7	8.2	7.7	7.9
9	26.9	25.6	26.6	15.5	14.5	15.0	9.0	7.8	8.3	---	---	---
10	25.6	24.6	25.0	16.7	15.2	15.9	9.3	8.6	8.9	8.3	8.0	8.2
11	25.1	24.3	24.5	17.7	15.8	17.0	9.4	8.7	9.0	9.2	8.3	8.8
12	25.2	24.1	24.5	18.2	17.5	17.8	8.9	8.5	8.6	9.1	8.6	8.8
13	25.1	24.7	24.9	17.6	16.8	17.1	8.9	8.5	8.7	8.6	8.2	8.5
14	24.8	23.9	24.4	16.8	15.5	16.1	8.9	8.7	8.8	8.6	6.9	7.9
15	23.9	23.3	23.4	15.5	14.7	15.0	8.8	8.4	8.6	8.1	6.7	7.6
16	24.0	23.1	23.5	14.9	13.8	14.2	8.6	8.2	8.4	8.4	6.6	7.7
17	23.9	23.3	23.6	13.9	13.2	13.6	9.2	8.5	8.8	8.0	6.5	7.2
18	23.3	21.1	22.3	13.2	12.0	12.8	9.6	9.0	9.3	7.4	5.7	6.7
19	21.6	20.6	21.1	12.2	11.3	11.6	10.1	9.5	9.7	7.2	6.0	6.7
20	20.6	20.1	20.3	13.5	12.0	12.6	10.8	10.1	10.4	6.6	5.8	6.2
21	20.4	19.5	19.9	14.0	13.2	13.5	10.5	9.8	10.3	8.1	6.5	7.4
22	20.7	19.3	19.8	13.7	13.2	13.5	9.9	9.6	9.7	9.2	6.6	8.0
23	21.5	20.0	20.7	13.2	12.2	12.7	9.9	9.5	9.7	9.3	7.2	8.4
24	21.3	20.2	20.8	12.2	11.9	12.0	9.9	9.1	9.5	8.8	6.8	7.5
25	21.0	19.9	20.4	12.2	11.7	11.9	9.1	8.5	8.8	6.8	5.6	6.3
26	21.4	20.4	21.0	12.4	11.8	12.1	8.5	7.8	8.2	5.9	5.0	5.5
27	21.1	20.5	20.8	12.4	12.0	12.3	7.8	7.1	7.5	5.8	4.9	5.5
28	21.1	20.7	20.9	12.1	11.6	11.8	7.2	6.7	7.0	7.0	5.6	6.5
29	22.6	20.2	21.1	11.6	10.8	11.1	7.9	7.0	7.4	7.5	6.6	7.0
30	20.6	20.1	20.4	11.4	10.5	11.0	8.4	7.7	8.0	8.4	7.3	7.7
31	20.2	19.3	19.8	---	---	---	8.8	8.3	8.5	8.4	7.5	8.1
MONTH	27.4	19.3	23.1	19.3	10.5	14.4	11.4	6.7	9.0	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA STREAM SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.5	8.2	8.3	9.0	8.6	8.8	15.3	14.5	14.9	19.9	19.0	19.4
2	9.3	8.2	8.8	10.0	9.0	9.5	15.2	14.1	14.6	20.0	19.5	19.8
3	9.9	9.1	9.5	10.8	10.0	10.4	15.9	14.3	15.0	20.1	19.3	19.6
4	11.1	9.6	10.5	11.2	10.2	10.8	16.3	15.1	15.7	19.7	18.7	19.3
5	11.2	10.1	10.8	11.1	10.3	10.6	17.7	16.3	16.8	20.1	19.7	19.8
6	11.1	9.8	10.5	12.4	11.1	11.8	17.7	17.0	17.4	20.3	18.3	19.2
7	10.1	7.7	9.2	12.7	12.1	12.4	17.9	17.3	17.6	18.7	18.2	18.5
8	7.9	7.6	7.8	12.7	12.4	12.6	17.5	17.1	17.2	19.2	18.6	18.9
9	7.8	7.4	7.5	13.4	12.4	12.9	17.3	15.9	16.7	20.1	19.1	19.6
10	8.0	7.3	7.6	14.2	13.2	13.6	15.9	14.1	14.9	21.0	20.0	20.4
11	8.7	8.0	8.4	14.2	12.4	13.7	14.3	13.9	14.0	21.1	20.7	20.9
12	8.8	8.0	8.4	12.8	11.8	12.2	14.1	13.3	13.8	21.3	20.7	21.0
13	8.9	8.0	8.3	12.9	12.1	12.5	14.6	13.7	14.2	21.1	20.6	20.9
14	8.8	7.9	8.1	13.0	12.6	12.8	15.6	14.4	15.0	20.8	18.8	19.8
15	8.3	8.0	8.2	12.8	11.8	12.1	17.1	15.6	16.4	18.8	18.1	18.3
16	9.2	8.1	8.7	12.4	11.9	12.1	18.6	16.7	17.6	18.2	17.2	17.6
17	9.7	9.2	9.4	12.7	12.1	12.4	19.7	18.3	18.9	18.3	17.2	17.7
18	9.3	8.8	9.1	12.6	12.2	12.4	20.4	19.2	19.8	18.7	18.1	18.4
19	8.9	8.2	8.6	13.3	12.4	12.7	20.1	19.0	19.5	18.8	18.3	18.6
20	9.2	8.7	8.9	14.0	13.3	13.7	20.2	18.9	19.5	18.9	18.6	18.7
21	9.7	8.7	9.0	14.6	13.9	14.3	20.3	19.0	19.6	18.8	18.5	18.7
22	11.0	9.7	10.4	14.6	13.9	14.2	20.9	19.3	20.2	18.5	18.1	18.3
23	11.6	10.9	11.2	14.4	13.7	14.1	19.8	19.3	19.5	18.7	17.9	18.3
24	12.0	11.4	11.6	14.4	13.9	14.2	19.4	18.2	19.0	19.6	18.5	19.1
25	11.7	11.3	11.5	14.7	14.1	14.5	18.4	17.5	18.1	20.1	19.5	19.7
26	11.4	10.1	10.8	15.7	14.7	15.2	17.5	16.3	16.6	20.2	19.6	19.9
27	10.1	8.8	9.5	16.2	15.4	15.8	17.0	16.3	16.7	19.8	19.3	19.5
28	8.8	8.4	8.6	16.5	16.0	16.3	18.4	16.9	17.7	19.9	19.2	19.5
29	---	---	---	16.5	16.0	16.3	19.5	18.2	18.9	19.6	19.0	19.3
30	---	---	---	16.3	15.5	15.9	20.3	19.0	19.5	---	---	---
31	---	---	---	15.8	14.9	15.3	---	---	---	20.1	19.3	19.6
MONTH	12.0	7.3	9.3	16.5	8.6	13.1	20.9	13.3	17.2	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA STREAM SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.4	19.8	20.1	26.0	23.9	25.2	27.6	26.5	27.1	29.9	27.9	28.8
2	20.3	19.9	20.2	23.9	21.8	22.4	27.4	25.7	26.6	30.6	28.5	29.2
3	20.4	19.8	20.1	22.6	21.6	22.1	25.7	24.8	25.4	29.5	28.8	29.0
4	21.0	20.0	20.4	23.3	22.3	22.7	25.2	24.8	25.1	29.1	27.9	28.6
5	21.5	20.8	21.0	23.2	22.6	22.9	25.5	25.2	25.4	29.4	28.2	28.5
6	21.5	21.0	21.3	23.5	22.7	23.1	25.3	24.8	25.1	28.7	27.4	28.0
7	21.5	21.0	21.3	23.6	23.0	23.3	25.0	24.3	24.6	28.3	26.7	27.8
8	22.6	21.2	21.9	24.1	23.1	23.6	24.5	23.9	24.2	28.0	26.4	26.9
9	23.4	22.1	22.8	24.7	23.6	24.1	24.6	24.3	24.5	27.6	26.4	27.0
10	23.6	23.1	23.4	24.6	24.2	24.4	25.7	24.6	25.2	27.4	26.2	26.9
11	24.0	22.8	23.2	24.7	24.0	24.3	26.1	24.9	25.6	26.6	25.9	26.2
12	23.0	22.6	22.7	24.7	23.8	24.1	26.2	25.1	25.7	26.7	26.1	26.3
13	23.1	22.7	23.0	24.7	23.8	24.1	26.2	25.0	25.6	26.4	25.7	26.1
14	24.2	22.9	23.4	24.0	23.3	23.6	26.7	25.5	26.2	27.4	25.8	26.3
15	25.3	23.4	24.1	24.0	23.1	23.5	27.2	26.3	26.7	27.0	25.8	26.2
16	26.1	24.1	24.8	24.3	23.6	23.9	27.4	26.7	27.0	27.6	25.5	26.7
17	26.2	25.0	25.7	24.6	23.6	24.1	28.0	26.6	27.4	27.9	25.8	26.9
18	26.1	23.1	24.4	24.7	24.2	24.5	28.8	27.1	27.9	26.7	24.9	25.6
19	23.1	22.1	22.5	24.3	23.5	24.0	29.3	27.5	28.4	27.0	24.9	25.8
20	23.0	22.3	22.6	25.6	24.1	24.7	29.0	27.7	28.6	26.4	24.7	25.5
21	22.8	22.1	22.5	25.9	25.5	25.7	29.1	28.1	28.8	26.5	25.3	25.9
22	22.7	21.9	22.3	25.9	25.0	25.6	28.9	27.8	28.6	26.5	25.3	25.8
23	22.8	22.1	22.5	25.9	24.8	25.3	28.7	27.5	28.2	27.0	25.3	26.1
24	23.2	22.7	22.9	25.1	24.4	24.8	29.9	27.9	28.7	25.4	24.0	24.4
25	24.5	23.2	23.9	25.5	24.3	24.9	30.5	28.6	29.2	24.7	23.7	24.2
26	25.9	24.0	24.9	25.9	24.5	25.2	30.1	29.1	29.7	24.6	23.7	24.2
27	25.8	25.0	25.4	27.3	24.8	25.7	30.1	28.8	29.4	24.7	23.8	24.3
28	25.9	24.6	25.3	27.4	26.0	26.5	29.2	28.6	28.9	25.1	24.3	24.6
29	26.9	25.0	25.7	27.8	26.5	27.2	29.2	28.0	28.7	25.2	24.1	24.4
30	25.7	25.1	25.4	27.7	26.4	27.1	28.8	27.8	28.4	25.0	23.4	24.2
31	---	---	---	27.6	26.4	27.0	30.1	28.1	28.8	---	---	---
MONTH	26.9	19.8	23.0	27.8	21.6	24.5	30.5	23.9	27.1	30.6	23.4	26.3

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA STREAM SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.1	6.1	6.7	6.9	6.7	6.9	10.6	10.2	10.4	---	---	---
2	7.4	6.1	6.8	7.3	6.9	7.1	10.4	9.7	10.2	---	---	---
3	7.3	6.4	6.9	7.7	7.1	7.4	10.7	10.4	10.5	10.6	10.2	10.4
4	7.2	6.5	6.8	8.4	7.7	8.1	10.7	10.4	10.6	11.2	10.6	10.9
5	7.8	6.4	6.9	8.7	8.3	8.5	10.6	10.3	10.4	11.3	11.1	11.2
6	7.5	6.6	7.0	8.7	8.1	8.5	10.5	10.3	10.4	11.5	11.3	11.4
7	8.3	6.7	7.4	8.3	7.9	8.0	10.5	10.4	10.5	11.9	11.5	11.7
8	7.6	6.6	6.9	8.6	8.3	8.4	10.9	10.5	10.7	12.0	11.9	12.0
9	7.1	3.9	6.5	8.8	8.6	8.7	10.9	10.7	10.8	12.0	11.7	11.9
10	6.6	6.0	6.4	8.7	8.5	8.6	10.9	10.7	10.8	11.7	11.4	11.5
11	7.1	6.1	6.5	8.6	8.1	8.4	10.7	10.1	10.4	11.4	11.3	11.4
12	7.0	6.1	6.4	8.1	7.5	7.8	10.1	9.9	10.0	11.6	11.3	11.4
13	7.0	6.3	6.6	8.1	7.5	7.8	10.1	9.9	10.0	12.0	11.5	11.8
14	7.5	6.4	6.9	8.6	7.9	8.2	9.9	9.8	9.9	12.7	12.0	12.3
15	7.0	6.9	7.0	8.8	8.5	8.6	10.1	9.8	9.9	12.7	12.4	12.6
16	7.4	6.8	7.1	9.1	8.8	8.9	10.2	10.1	10.1	12.8	12.5	12.6
17	7.7	7.1	7.3	9.1	8.9	9.0	10.2	10.1	10.2	13.1	12.7	12.9
18	8.2	7.3	7.7	9.3	9.1	9.2	10.7	10.2	10.4	13.4	13.0	13.2
19	7.6	5.8	6.8	9.7	9.2	9.6	10.7	10.6	10.6	13.8	13.3	13.5
20	6.9	3.5	6.3	9.7	9.5	9.6	10.6	9.9	10.2	14.0	13.8	13.9
21	7.3	5.1	6.5	9.6	9.4	9.5	9.9	9.7	9.8	14.0	13.8	13.9
22	7.4	6.5	7.0	9.4	9.1	9.2	10.1	9.9	10	14.1	13.4	13.7
23	7.6	6.7	7.1	9.5	9.2	9.4	10.5	10.0	10.3	13.8	13.0	13.3
24	8.0	6.4	7.5	9.9	9.5	9.7	10.9	10.5	10.7	13.9	13.1	13.7
25	7.7	7.4	7.6	10.1	9.8	9.9	10.6	10.2	10.4	14.9	13.9	14.4
26	7.6	6.9	7.3	10.2	9.9	10.1	10.4	10.3	10.3	15.4	14.9	15.1
27	7.5	7.0	7.2	10.1	9.9	10.0	10.8	10.4	10.7	15.5	15.1	15.3
28	7.4	7.0	7.2	10.2	9.9	10.0	11.3	10.8	11.1	15.3	14.7	14.9
29	7.3	7.1	7.2	10.4	10.1	10.3	11.7	11.2	11.5	15.0	14.8	14.9
30	7.2	5.7	6.7	10.6	10.2	10.4	11.8	11.7	11.7	14.9	14.3	14.6
31	6.8	6.5	6.7	---	---	---	---	---	---	14.3	13.5	13.8
MONTH	8.3	3.5	6.9	10.6	6.7	8.9	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA STREAM SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	13.6	13.5	13.6	13.9	13.6	13.8	---	---	---	8.7	8.3	8.5
2	13.5	13.2	13.3	13.6	13.0	13.3	10.5	10.1	10.3	8.5	8.0	8.3
3	13.4	13.2	13.3	13.0	12.4	12.7	10.5	10.1	10.3	8.1	7.7	7.9
4	13.3	13.0	13.2	13.6	12.4	13.0	10.1	9.8	10	8.4	7.7	8.1
5	13.1	12.7	12.9	13.6	13.2	13.4	9.8	9.4	9.6	8.0	7.5	7.8
6	13.2	12.8	13.0	13.2	11.8	12.5	9.4	9.1	9.3	7.6	7.0	7.3
7	14.2	13.0	13.4	11.9	11.1	11.3	9.1	8.8	9.0	7.1	6.5	6.8
8	14.3	14.1	14.2	11.1	10.6	10.8	9.0	7.8	8.3	6.5	5.9	6.2
9	14.6	14.3	14.5	11.0	10.6	10.8	8.2	7.8	8.0	5.9	5.3	5.6
10	14.7	14.5	14.6	10.8	10.6	10.7	8.7	7.9	8.3	5.3	5.0	5.1
11	14.6	14.3	14.4	12.4	10.7	11.4	9.1	8.7	8.9	5.0	4.9	4.9
12	14.7	14.4	14.5	12.6	12.4	12.5	9.6	9.1	9.4	4.9	4.8	4.9
13	15.0	14.6	14.7	12.6	12.5	12.5	9.7	9.6	9.6	5.2	4.1	4.8
14	15.2	14.6	14.9	12.5	12.2	12.3	9.7	9.5	9.6	5.3	4.0	4.8
15	15.1	14.8	14.9	12.4	12.1	12.3	9.6	9.4	9.5	7.8	5.3	6.6
16	14.9	14.2	14.6	12.3	12.0	12.2	9.6	9.2	9.3	8.5	7.7	8.3
17	14.2	13.6	13.8	12.2	9.7	11.9	9.2	8.8	9.1	8.8	8.5	8.7
18	13.8	13.7	13.7	12.2	11.9	12.0	8.9	8.1	8.8	8.8	8.3	8.5
19	14.5	13.8	14.3	12.0	11.2	11.7	8.8	8.5	8.6	8.4	7.5	7.8
20	15.1	14.3	14.6	11.2	10.7	10.9	8.7	8.3	8.6	7.5	7.1	7.2
21	14.9	14.4	14.7	10.9	10.6	10.8	8.5	8.1	8.2	7.6	7.1	7.4
22	14.5	12.6	13.6	11.0	10.6	10.8	8.3	8.0	8.2	8.1	7.1	7.6
23	12.6	11.8	12.1	10.9	10.1	10.7	8.3	7.6	8.0	8.4	8.1	8.3
24	11.9	11.5	11.7	10.9	10.7	10.8	8.1	7.4	7.7	8.1	7.3	7.6
25	11.7	11.5	11.6	11.0	10.6	10.8	8.6	7.9	8.2	7.3	7.1	7.2
26	12.8	11.7	12.1	10.8	10.3	10.6	8.8	8.4	8.6	7.7	7.1	7.5
27	13.1	12.6	12.8	10.7	10.1	10.4	8.5	8.2	8.4	7.9	6.8	7.6
28	14.1	13.1	13.8	---	---	---	8.4	8.0	8.2	---	---	---
29	---	---	---	---	---	---	8.3	7.8	8.0	---	---	---
30	---	---	---	---	---	---	8.5	8.0	8.2	---	---	---
31	---	---	---	---	---	---	---	---	---	7.7	7.6	7.7
MONTH	15.2	11.5	13.7	---	---	---	---	---	---	---	---	---

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02397530 COOSA RIVER AT STATE LINE, AL/GA STREAM SOURCE AGENCY USGS STATE 01 COUNTY 019
LATITUDE 341206 LONGITUDE 0852651 NAD27 DRAINAGE AREA 4362.00 CONTRIBUTING DRAINAGE AREA 4362 DATUM 555.00 NGVD29

Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.8	7.5	7.6	7.3	6.9	7.2	7.4	6.9	7.2	10.7	8.1	9.2
2	7.8	7.5	7.7	7.3	6.6	7.0	7.4	6.9	7.1	---	---	---
3	7.7	7.6	7.6	6.6	6.5	6.6	7.1	5.7	6.3	---	---	---
4	7.7	7.5	7.6	6.7	6.4	6.5	5.8	5.4	5.6	---	---	---
5	7.9	7.3	7.5	6.9	6.6	6.7	6.4	5.4	5.9	---	---	---
6	7.9	7.3	7.5	6.9	6.4	6.7	6.8	6.1	6.4	---	---	---
7	7.7	7.3	7.5	6.8	6.4	6.6	7.0	6.4	6.6	---	---	---
8	7.5	7.2	7.4	7.1	6.7	6.9	7.3	6.8	7.1	---	---	---
9	7.5	6.9	7.3	7.2	5.2	6.7	7.5	6.6	7.0	---	---	---
10	6.9	6.3	6.6	7.1	6.9	7.0	7.5	6.9	7.3	---	---	---
11	7.7	6.7	7.3	7.3	6.7	7.0	7.8	6.9	7.4	7.6	7.2	7.4
12	7.8	7.2	7.4	7.0	6.2	6.7	8.0	6.3	7.3	7.5	7.1	7.3
13	7.8	7.2	7.4	6.6	6.1	6.4	8.1	5.4	7.4	7.8	7.1	7.4
14	7.2	6.9	7.0	6.4	6.0	6.2	8.1	6.8	7.6	9.0	6.4	7.4
15	8.0	6.9	7.2	6.3	5.7	6.1	7.9	6.3	7.4	10.0	6.4	7.9
16	8.3	6.8	7.3	6.4	5.7	5.9	7.5	4.5	7.0	8.1	6.5	7.3
17	7.7	6.0	7.2	6.4	5.9	6.3	7.9	5.8	7.0	7.5	6.3	6.7
18	7.2	3.9	6.2	6.7	5.7	6.2	7.8	4.1	6.0	7.8	6.4	7.1
19	7.1	2.1	4.9	---	---	---	7.9	3.9	7.0	8.5	6.8	7.6
20	6.9	5.3	6.3	---	---	---	8.2	7.2	7.6	8.7	6.8	7.8
21	7.0	6.6	6.7	---	---	---	7.9	7.2	7.5	8.5	6.7	7.5
22	7.4	7.0	7.2	---	---	---	8.0	7.1	7.5	7.1	5.8	6.6
23	7.9	7.3	7.6	7.0	6.7	6.9	8.7	6.9	7.8	7.2	6.3	6.8
24	7.8	7.0	7.5	7.2	6.9	7.0	11.9	7.3	9.0	7.2	6.5	6.8
25	8.0	7.4	7.7	7.3	6.9	7.1	12.5	6.6	9.4	6.8	5.8	6.4
26	8.3	7.2	7.8	7.4	6.9	7.1	9.2	6.6	8.6	6.6	5.5	6.1
27	7.9	7.5	7.6	8.3	7.1	7.5	9.4	7.3	8.4	6.7	5.9	6.2
28	8.0	7.3	7.6	7.9	7.0	7.3	9.6	6.5	8.4	6.5	5.5	6.1
29	8.8	7.2	7.8	7.5	6.8	7.3	10.2	7.9	8.9	7.3	5.7	6.5
30	8.1	7.0	7.5	7.5	6.8	7.2	9.8	7.4	8.9	7.5	5.8	6.7
31	---	---	---	7.4	6.7	7.0	11.8	8.7	9.7	---	---	---
MONTH	8.8	2.1	7.2	---	---	---	12.5	3.9	7.5	---	---	---

MOBILE RIVER BASIN
2003 Water Year

02397830 HARRISBURG CREEK AT HAWKINS, GA

LOCATION.—Lat 34°36'02", long 85°23'21" referenced to North American Datum (NAD) of 1927, Walker County, Hydrologic Unit 03150105, at bridge on County Road 91, 0.7 miles west of Hawkins.

DRAINAGE AREA.—13.3 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1980 to 1982 (operated as a continuous streamflow station), 1983 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 730.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but it not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

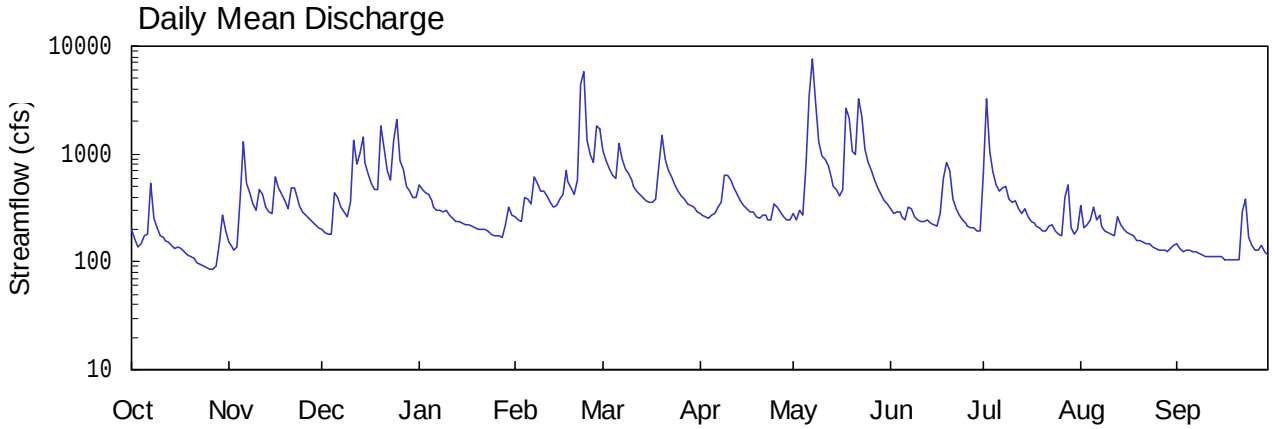
MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 12.00 feet, February 16, 1990
DISCHARGE: 5,530 cfs, February 16, 1990

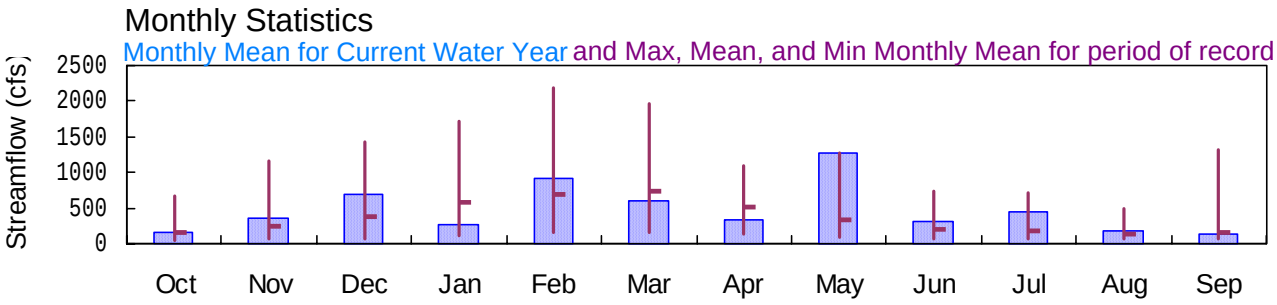
MAXIMUM FOR CURRENT YEAR.—
STAGE: 8.59 feet, May 6
DISCHARGE: 1,790 cfs, May 6

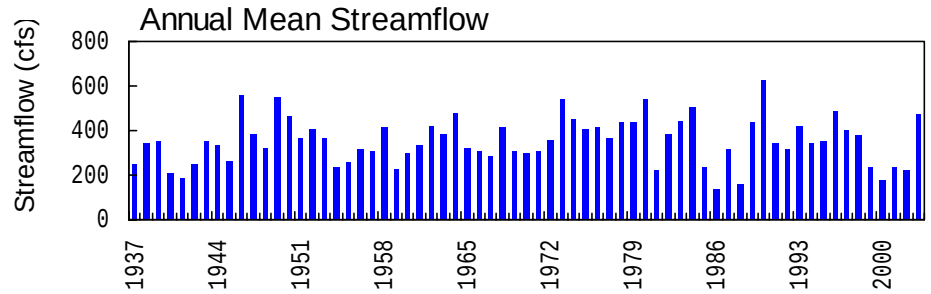
2003 Water Year

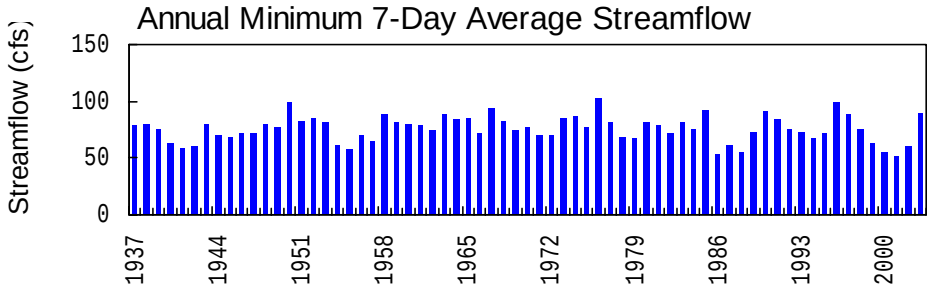
02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA

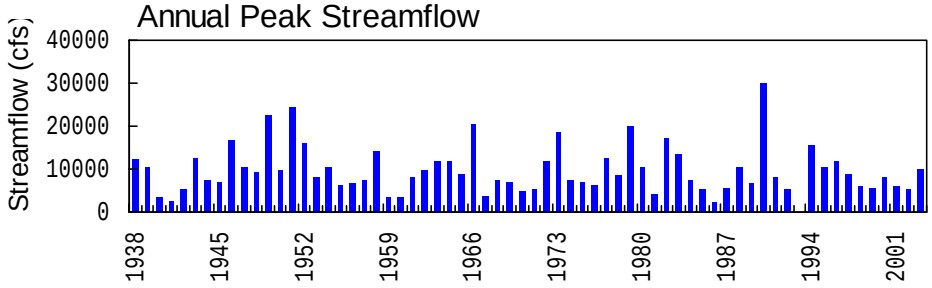
Latitude: 34°27'59" Longitude: 085°20'10" Hydrologic Unit Code: 03150105 Chattooga County
Drainage Area: 192 mi^2 Datum: 613.4 feet











02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA

LOCATION.—Lat 34°27'59", long 85°20'10" (revised) referenced to North American Datum (NAD) of 1983, Chattooga County, Hydrologic Unit 03150105, on left bank 600.0 feet downstream from bridge on US 27, 1.0 mile southeast of Summerville, and 4.0 miles upstream from Raccoon Creek.

DRAINAGE AREA.—192 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—March 1937 to current year.

REVISED RECORDS.—WDR GA-80-1: Drainage area.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 613.47 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). Prior to November 12, 1937, non-recording gage was located at same site and datum.

REMARKS.—Records fair. Low and medium flow had previously been regulated by a power plant at Trion, 6.0 miles upstream from the station, but it is now no longer in operation.

PEAKS DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 3,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
12/24	2300	3,780	12.98
02/23	0330	9,940*	16.93*
05/07	0600	8,290	16.15
05/18	2200	4,120	13.34
05/22	1915	4,620	13.83
07/02	1130	4,470	13.69

02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—March 1937 to current water year.

GAGE.—Satellite transmitter with a water-stage recorder. Datum of gage is 613.47 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Georgia Department of Transportation). Prior to November 12, 1937, non-recording gage was located at same site and datum.

REMARKS.—Records fair.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 16.93 feet, February 23; minimum gage-height recorded, unknown.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 055
LATITUDE 342759 LONGITUDE 0852010 NAD83 DRAINAGE AREA 192 CONTRIBUTING DRAINAGE AREA 192* DATUM 613.47 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	197	154	199	e525	259	1060	277	e276	311	666	334	148
2	163	135	188	e470	245	870	268	242	284	3270	208	132
3	136	127	181	e436	234	733	259	302	289	1050	217	125
4	145	135	183	e424	399	642	253	272	290	675	246	128
5	174	386	437	e374	378	589	273	767	262	515	327	126
6	181	e1300	395	e325	345	1250	277	3540	249	448	242	124
7	545	e541	322	e300	617	895	324	7620	323	487	273	e122
8	257	e440	290	e300	537	737	357	3000	306	495	215	e118
9	204	e346	263	e288	458	654	636	1280	262	386	194	e116
10	177	e299	361	300	454	569	635	952	243	354	183	113
11	166	e460	1360	271	402	500	571	879	240	363	183	113
12	158	e420	799	252	359	452	486	775	239	311	173	112
13	150	e320	1030	239	324	417	418	596	242	281	260	112
14	141	e290	e1410	234	327	396	366	499	229	312	225	112
15	132	e280	821	226	378	370	330	464	218	262	200	111
16	137	e622	656	223	425	351	307	412	216	241	189	106
17	133	e490	541	223	707	353	293	471	281	227	183	106
18	122	e417	461	211	564	385	287	2660	597	213	172	105
19	115	e369	463	207	479	791	266	2140	847	205	159	104
20	110	e312	e1800	200	428	1490	254	1060	715	196	157	104
21	e108	482	e1130	200	580	890	272	995	384	196	152	104
22	e99	477	e697	200	4400	710	269	3260	310	214	148	290
23	e94	381	e580	190	5710	606	244	2230	272	221	145	385
24	e90	336	e1350	179	1330	519	245	1110	243	195	140	167
25	e87	295	e2120	177	1000	460	344	840	227	179	134	142
26	e85	267	e870	177	843	414	324	714	216	173	130	129
27	e84	251	e721	172	1840	379	286	580	210	392	130	127
28	e92	235	e498	167	1690	350	260	490	208	524	128	143
29	146	220	e449	223	---	336	245	424	196	204	126	124
30	269	210	e399	324	---	323	e241	375	193	183	131	115
31	190	---	e399	271	---	293	---	342	---	200	142	---
TOTAL	4887	10997	21373	8308	25712	18784	9867	39567	9102	13638	5846	4063
MEAN	158	367	689	268	918	606	329	1276	303	440	189	135
MAX	545	1300	2120	525	5710	1490	636	7620	847	3270	334	385
MIN	84	127	181	167	234	293	241	242	193	173	126	104
CFSM	0.82	1.91	3.59	1.40	4.78	3.16	1.71	6.65	1.58	2.29	0.98	0.71
IN.	0.95	2.13	4.14	1.61	4.98	3.64	1.91	7.67	1.76	2.64	1.13	0.79

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2003, BY WATER YEAR (WY)

MEAN	149	237	377	570	684	735	508	346	195	189	137	149
MAX	679	1150	1420	1709	2187	1970	1103	1276	738	709	497	1309
(WY)	1990	1949	1968	1947	1990	1980	1979	2003	1989	1989	1984	1950
MIN	54.2	61.2	72.5	106	157	166	129	90.6	71.2	65.0	68.4	61.3
(WY)	2001	1988	2000	1981	1941	1988	1986	1986	1988	1986	1986	2000

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1937 - 2003	
ANNUAL TOTAL	104876		172144			
ANNUAL MEAN	287		472		355	
HIGHEST ANNUAL MEAN					628	1990
LOWEST ANNUAL MEAN					133	1986
HIGHEST DAILY MEAN	3600	Jan 25	7620	May 7	19600	Feb 16 1990
LOWEST DAILY MEAN	59	Jul 6	84	Oct 27	38	Oct 17 1937
ANNUAL SEVEN-DAY MINIMUM	60	Sep 7	90	Oct 22	52	Oct 7 2000
MAXIMUM PEAK FLOW			9940	Feb 23	30100	Feb 16 1990
MAXIMUM PEAK STAGE			16.93	Feb 23	22.63	Feb 16 1990
ANNUAL RUNOFF (CFSM)	1.50		2.46		1.85	
ANNUAL RUNOFF (INCHES)	20.32		33.35		25.11	
10 PERCENT EXCEEDS	543		856		700	
50 PERCENT EXCEEDS	177		289		178	
90 PERCENT EXCEEDS	66		129		81	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 055
LATITUDE 342759 LONGITUDE 0852010 NAD83 DRAINAGE AREA 192 CONTRIBUTING DRAINAGE AREA 192* DATUM 613.47 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.92	2.56	2.80	---	3.11	6.07	3.10	---	3.34	4.60	3.43	2.53
2	2.71	2.46	2.74	---	3.04	5.37	3.06	2.93	3.22	11.98	2.85	2.44
3	2.59	2.41	2.71	---	2.98	4.86	3.02	3.22	3.25	6.05	2.90	2.40
4	2.64	2.46	2.72	---	3.69	4.53	2.99	3.08	3.25	4.73	3.03	2.42
5	2.81	3.47	3.83	---	3.63	4.33	3.08	4.93	3.12	4.16	3.38	2.41
6	2.81	---	3.70	---	3.50	6.77	3.10	12.00	3.06	3.91	3.02	2.39
7	4.23	---	3.39	---	4.52	5.46	3.31	15.82	3.39	4.05	3.17	---
8	3.10	---	3.25	---	4.24	4.88	3.45	10.97	3.32	4.08	2.88	---
9	2.83	---	3.13	---	3.95	4.57	4.50	6.88	3.12	3.66	2.77	---
10	2.69	---	3.50	3.30	3.93	4.26	4.50	5.68	3.03	3.53	2.72	2.32
11	2.63	---	7.17	3.16	3.73	4.02	4.27	5.43	3.01	3.57	2.72	2.32
12	2.59	---	5.17	3.07	3.55	3.83	3.96	5.06	3.01	3.35	2.67	2.32
13	2.54	---	6.01	3.01	3.40	3.70	3.70	4.42	3.02	3.21	3.11	2.31
14	2.49	---	---	2.98	3.42	3.61	3.49	4.08	2.96	3.35	2.93	2.31
15	2.44	---	5.25	2.94	3.63	3.51	3.34	3.96	2.90	3.12	2.81	2.31
16	2.47	---	4.67	2.93	3.81	3.43	3.24	3.76	2.89	3.02	2.75	2.28
17	2.45	---	4.25	2.92	4.85	3.44	3.17	3.99	3.20	2.95	2.72	2.27
18	2.38	---	3.96	2.87	4.33	3.57	3.15	10.38	4.43	2.88	2.66	2.27
19	2.33	---	3.95	2.84	4.03	5.05	3.05	9.36	5.34	2.83	2.59	2.26
20	2.30	---	---	2.81	3.83	7.61	2.99	6.10	4.87	2.79	2.58	2.26
21	---	4.02	---	2.81	4.37	5.44	3.08	5.87	3.66	2.79	2.56	2.26
22	---	4.02	---	2.80	12.22	4.78	3.06	11.65	3.34	2.88	2.53	3.13
23	---	3.64	---	2.76	13.58	4.39	2.94	9.64	3.17	2.92	2.51	3.60
24	---	3.46	---	2.70	7.06	4.08	2.95	6.27	3.03	2.78	2.48	2.67
25	---	3.28	---	2.69	5.85	3.86	3.40	5.32	2.95	2.70	2.45	2.55
26	---	3.15	---	2.69	5.27	3.69	3.31	4.87	2.89	2.67	2.43	2.49
27	---	3.07	---	2.66	8.60	3.55	3.14	4.39	2.86	3.48	2.43	2.48
28	---	2.99	---	2.64	8.24	3.43	3.02	4.07	2.85	4.10	2.41	2.57
29	2.52	2.91	---	2.91	---	3.37	2.95	3.81	2.78	2.83	2.40	2.46
30	3.14	2.86	---	3.40	---	3.31	---	3.62	2.77	2.72	2.43	2.40
31	2.76	---	---	3.16	---	3.18	---	3.48	---	2.81	2.50	---
MEAN	---	---	---	---	5.01	4.39	---	---	3.27	3.69	2.74	---
MAX	---	---	---	---	13.58	7.61	---	---	5.34	11.98	3.43	---
MIN	---	---	---	---	2.98	3.18	---	---	2.77	2.67	2.40	---

02398022 CHATTOOGA RIVER AT LYERLY, GA

LOCATION.—Lat 34°24'40", long 85°23'18" referenced to North American Datum (NAD) of 1927, Chattooga County, Hydrologic Unit 03150105, 7.0 miles south of US 27, 0.7 miles east of GA 114 on Mohawk Industries property.

DRAINAGE AREA.—238 square miles.

COOPERATION.—City of Summerville.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—May 5, 1998 to current year.

GAGE.—Standard USGS vertical staff gage. Datum of gage is 590.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

RATING.—Rating Number 1, effective October 1998 to March 11, 2003. Rating Number 1.1, effective March 11, 2003 to current year.

REMARKS.—Records good. Measurements for current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
03/11/03	5.68	678
04/16/03	4.91	427
08/14/03	4.85	429

MOBILE RIVER BASIN
2003 Water Year

02411735 McCLENDON CREEK TRIBUTARY AT GA 120, NEAR DALLAS, GA

LOCATION.—Lat 33°50'58", long 84°57'20" referenced to North American Datum (NAD) of 1927, Paulding County, Hydrologic Unit 03150108, at culvert on GA 120, 9.3 miles southwest of Dallas.

DRAINAGE AREA.—0.88 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1977 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 1,200.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but it not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 8.23 feet, May 27, 1981
DISCHARGE: 860 cfs, May 27, 1981

MAXIMUM FOR CURRENT YEAR.—
STAGE: unknown, March 6
DISCHARGE: unknown, March 6

MOBILE RIVER BASIN
2003 Water Year

02411902 MANN CREEK TRIBUTARY AT GA 100, NEAR TALLOPOOSA, GA

LOCATION.—Lat 33°51'16", long 85°17'28" referenced to North American Datum (NAD) of 1927, Haralson County, Hydrologic Unit 03150108, at culvert on GA 100, 7.0 miles north of Tallapoosa.

DRAINAGE AREA.—0.12 square miles.

COOPERATION.—Georgia Department of Transportation.

PEAK-DISCHARGE RECORDS

PERIOD OF RECORD.—1977 to current year.

GAGE.—Crest-stage partial-record gage. Datum of gage is 1,120.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information of some lower floods may have been obtained, but it not published within. The years given in the period of record represent water years for which the annual maximum has been determined.

MAXIMUM FOR PERIOD OF RECORD.—
STAGE: 6.47 feet, September 17, 2002
DISCHARGE: 142 cfs, September 17, 2002

MAXIMUM FOR CURRENT YEAR.—
STAGE: 6.46 feet, March 6
DISCHARGE: 142 cfs, March 6

MOBILE RIVER BASIN
2003 Water Year

02411930 TALLAPOOSA RIVER BELOW TALLAPOOSA, GA

LOCATION.—Lat 33°44'27", long 85°20'11" referenced to North American Datum (NAD) of 1927, Haralson County, Hydrologic Unit 03150108, at bridge on US 78, 0.4 miles upstream from Walker Creek, and 2.7 miles west of Tallapoosa, and at mile 216.5.

DRAINAGE AREA.—272 square miles.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—December 1999 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 910.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—Estimated daily discharges: June 9-10, September 4. Records fair. Several observations of specific conductance and water temperature were made during the year. This station is operated by the USGS, Alabama District. For more information, please check http://al.water.usgs.gov.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02411930 TALLAPOOSA RIVER BELOW TALLAPOOSA, GEORGIA SOURCE AGENCY USGS STATE 13 COUNTY 143
LATITUDE 334427 LONGITUDE 0852011 NAD27 DRAINAGE AREA 272 CONTRIBUTING DRAINAGE AREA 272* DATUM

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	251	305	259	563	484	523	412	429	428	1920	366	178
2	213	253	251	567	418	485	391	402	410	4100	333	165
3	181	226	248	557	388	459	388	769	471	1930	319	154
4	164	280	249	507	442	430	388	581	526	751	530	e152
5	175	507	1650	463	456	473	410	611	497	690	455	151
6	152	1620	1210	440	416	3830	437	5390	486	596	439	146
7	247	1140	606	414	738	3870	672	5400	716	538	560	144
8	270	551	460	403	659	1140	636	4350	865	478	434	153
9	238	403	393	402	513	789	777	1580	e565	429	347	143
10	185	348	713	414	573	667	686	960	e424	430	303	136
11	170	901	2280	405	589	578	651	792	430	721	313	128
12	168	1170	1110	374	491	522	576	767	443	566	295	125
13	155	704	1140	365	440	491	493	639	527	589	409	120
14	141	485	1220	374	421	472	414	569	558	894	383	123
15	139	407	749	361	428	490	384	614	498	658	345	124
16	229	855	569	345	570	569	441	681	411	482	350	118
17	269	908	468	366	801	661	459	701	700	413	374	116
18	197	562	395	351	592	768	492	2330	1340	376	410	110
19	157	434	415	331	502	683	476	4570	1140	350	283	111
20	150	400	1710	325	464	750	413	1590	694	334	259	111
21	190	766	1040	334	494	747	449	931	517	311	247	111
22	201	784	613	404	1530	601	408	1760	433	332	227	185
23	178	527	485	395	1870	551	370	1670	391	1260	214	392
24	160	426	3060	341	832	501	359	951	361	806	201	253
25	149	380	3550	313	612	466	1740	744	340	483	190	192
26	145	345	1280	320	539	464	1660	736	320	396	186	164
27	145	318	773	319	634	453	849	641	336	354	178	155
28	270	296	639	307	608	452	604	562	527	324	196	185
29	970	280	566	328	---	426	499	519	431	305	305	174
30	720	273	523	577	---	441	444	479	436	450	243	157
31	424	---	497	624	---	453	---	444	---	438	201	---
TOTAL	7403	16854	29121	12589	17504	24205	17378	43162	16221	22704	9895	4676
MEAN	239	562	939	406	625	781	579	1392	541	732	319	156
MAX	970	1620	3550	624	1870	3870	1740	5400	1340	4100	560	392
MIN	139	226	248	307	388	426	359	402	320	305	178	110
CFSM	0.88	2.07	3.45	1.49	2.30	2.87	2.13	5.12	1.99	2.69	1.17	0.57
IN.	1.01	2.31	3.98	1.72	2.39	3.31	2.38	5.90	2.22	3.11	1.35	0.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2003, BY WATER YEAR (WY)

MEAN	100	274	399	352	388	595	434	511	246	241	122	155
MAX	239	562	939	434	625	900	579	1392	541	732	319	378
(WY)	2003	2003	2003	2002	2003	2001	2003	2003	2003	2003	2003	2002
MIN	14.8	56.4	128	245	260	349	298	112	48.9	17.2	22.8	18.7
(WY)	2001	2002	2002	2000	2002	2002	2002	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2000 - 2003	
ANNUAL TOTAL	122430		221712			
ANNUAL MEAN	335		607		360	
HIGHEST ANNUAL MEAN					607	2003
LOWEST ANNUAL MEAN					209	2002
HIGHEST DAILY MEAN	3550	Dec 25	5400	May 7	5400	May 7 2003
LOWEST DAILY MEAN	11	Sep 12	110	Sep 18	6.1	Jul 23 2000
ANNUAL SEVEN-DAY MINIMUM	13	Sep 7	114	Sep 15	7.2	Jul 22 2000
MAXIMUM PEAK FLOW					4870	Mar 20 2001
MAXIMUM PEAK STAGE					16.72	Mar 20 2001
ANNUAL RUNOFF (CFSM)	1.23		2.23		1.33	
ANNUAL RUNOFF (INCHES)	16.74		30.32		18.01	
10 PERCENT EXCEEDS	768		998		702	
50 PERCENT EXCEEDS	203		441		218	
90 PERCENT EXCEEDS	41		172		42	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02411930 TALLAPOOSA RIVER BELOW TALLAPOOSA, GEORGIA SOURCE AGENCY USGS STATE 13 COUNTY 143
LATITUDE 334427 LONGITUDE 0852011 NAD27 DRAINAGE AREA 272 CONTRIBUTING DRAINAGE AREA 272* DATUM

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.36	2.57	2.40	3.40	3.12	3.26	2.87	2.93	2.93	7.63	2.71	2.03
2	2.21	2.37	2.35	3.42	2.89	3.13	2.80	2.83	2.86	14.20	2.61	1.98
3	2.09	2.25	2.34	3.38	2.78	3.03	2.78	4.15	3.08	7.82	2.56	---
4	2.02	2.47	2.35	3.21	2.97	2.93	2.79	3.47	3.27	4.09	3.29	---
5	2.07	3.26	7.03	3.05	3.02	3.09	2.86	3.57	3.17	3.87	3.02	1.91
6	1.97	7.01	5.68	2.97	2.88	13.40	2.96	17.46	3.13	3.52	2.97	1.89
7	2.34	5.45	3.59	2.88	4.04	13.57	3.80	17.61	3.96	3.31	3.39	1.88
8	2.45	3.40	3.08	2.84	3.75	5.44	3.67	14.76	4.51	3.10	2.94	1.93
9	2.31	2.89	2.85	2.83	3.22	4.23	4.19	6.87	---	2.93	2.65	1.88
10	2.11	2.70	3.92	2.88	3.44	3.78	3.85	4.85	---	2.93	2.51	1.84
11	2.05	4.63	8.92	2.85	3.50	3.46	3.72	4.24	2.93	3.97	2.54	1.80
12	2.04	5.57	5.35	2.73	3.15	3.25	3.45	4.14	2.98	3.42	2.48	1.78
13	1.98	3.94	5.43	2.70	2.97	3.15	3.16	3.68	3.27	3.50	2.86	1.76
14	1.91	3.17	5.73	2.73	2.90	3.08	2.88	3.43	3.39	4.61	2.77	1.77
15	1.90	2.90	4.14	2.69	2.93	3.14	2.77	3.59	3.17	3.75	2.64	1.78
16	2.27	4.47	3.57	2.64	3.43	3.43	2.97	3.83	2.87	3.12	2.66	1.74
17	2.43	4.66	3.26	2.71	4.27	3.76	3.03	3.90	3.91	2.87	2.75	1.73
18	2.15	3.44	3.03	2.66	3.51	4.15	3.15	8.93	6.12	2.74	2.86	1.70
19	1.99	3.00	3.09	2.60	3.19	3.84	3.09	15.52	5.47	2.66	2.44	1.71
20	1.96	2.88	7.26	2.58	3.05	4.08	2.87	6.86	3.88	2.61	2.35	1.70
21	2.13	4.16	5.11	2.61	3.16	4.07	3.00	4.75	3.24	2.54	2.29	1.70
22	2.17	4.22	3.71	2.84	6.59	3.54	2.85	7.36	2.94	2.61	2.21	2.02
23	2.08	3.31	3.31	2.81	7.73	3.36	2.72	7.16	2.80	5.83	2.16	2.80
24	2.01	2.97	11.03	2.63	4.38	3.18	2.69	4.81	2.69	4.28	2.12	2.32
25	1.95	2.81	12.63	2.54	3.58	3.06	7.21	4.06	2.63	3.12	2.08	2.09
26	1.94	2.69	5.86	2.57	3.32	3.05	7.13	4.02	2.56	2.81	2.06	1.97
27	1.93	2.61	4.17	2.56	3.66	3.01	4.44	3.69	2.62	2.67	2.03	1.93
28	2.39	2.54	3.68	2.52	3.57	3.01	3.55	3.40	3.28	2.58	2.10	2.06
29	4.89	2.49	3.41	2.59	---	2.92	3.17	3.25	2.94	2.52	2.50	2.01
30	3.99	2.46	3.26	3.46	---	2.97	2.98	3.11	2.96	3.01	2.28	1.94
31	2.96	---	3.17	3.63	---	3.01	---	2.98	---	2.96	2.12	---
MEAN	2.29	3.44	4.67	2.86	3.61	4.08	3.45	5.97	3.34	3.92	2.55	1.92
MAX	4.89	7.01	12.63	3.63	7.73	13.57	7.21	17.61	6.12	14.20	3.39	2.80
MIN	1.90	2.25	2.34	2.52	2.78	2.92	2.69	2.83	2.56	2.52	2.03	1.70

MOBILE RIVER BASIN
2003 Water Year

02413210 LITTLE TALLAPOOSA RIVER BELOW BOWDON, GA

LOCATION.—Lat 33°29'34", long 85°16'45" referenced to North American Datum (NAD) of 1927, Carroll County, Hydrologic Unit 03150108, at bridge on GA 100, 1.9 miles upstream from Indian Creek, and 3.8 miles southwest of Bowdon.

DRAINAGE.—245 square miles.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—December 1999 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 910.00 feet above National Geodetic Vertical Datum (NGVD) of 1929 (from topographic map).

REMARKS.—No estimated daily discharges. Records good. Several observations of specific conductance and water temperature were made during the year. This station is operated by the USGS, Alabama District. For more information, please check http://al.water.usgs.gov.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02413210 LITTLE TALLAPOOSA RIVER BELOW BOWDON, GEORGIA LAKE SOURCE AGENCY USGS STATE 13 COUNTY 045
LATITUDE 332934 LONGITUDE 0851645 NAD27 DRAINAGE AREA 245 CONTRIBUTING DRAINAGE AREA 245* DATUM

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	214	374	226	560	718	583	378	363	297	1870	431	184
2	173	299	220	587	537	521	355	353	281	3180	390	165
3	150	254	212	543	450	473	339	571	423	3520	324	147
4	130	278	205	490	437	430	327	640	548	2760	526	141
5	137	673	330	426	449	441	334	516	473	1920	451	134
6	148	1870	497	390	419	1980	345	1230	373	1460	392	138
7	735	1930	384	359	908	2260	567	2440	529	1090	422	137
8	658	1620	316	347	877	2040	790	5630	633	890	377	137
9	331	847	278	340	615	1440	664	4970	479	657	311	139
10	241	491	316	330	639	903	590	3500	367	532	271	131
11	201	1060	837	314	672	627	519	2240	344	661	254	122
12	179	1450	874	293	547	526	448	1670	428	760	255	119
13	179	1260	758	282	466	498	402	1200	568	574	306	107
14	165	731	874	281	419	471	360	935	1050	526	403	104
15	178	492	688	278	402	601	331	903	1070	526	408	107
16	311	633	492	273	460	719	307	965	729	555	456	113
17	335	900	407	305	649	788	312	838	1050	718	828	105
18	264	611	359	294	583	943	438	1060	2550	524	476	97
19	206	434	343	273	477	812	490	1570	4130	417	326	95
20	174	383	917	268	424	826	379	1370	4060	367	272	90
21	174	726	1020	275	406	814	347	1040	2490	325	254	87
22	184	738	707	360	1360	651	549	1280	1400	317	234	102
23	173	518	489	462	1640	550	393	1590	943	488	212	181
24	161	399	2180	344	1450	491	317	1650	656	922	199	207
25	162	341	2640	293	995	447	1210	1220	557	949	196	162
26	166	310	2570	287	697	438	1630	754	505	575	185	142
27	166	289	1930	281	696	479	1300	622	463	381	170	123
28	183	269	1220	268	695	434	795	487	456	319	159	113
29	694	251	845	278	---	399	512	402	631	294	182	153
30	874	241	618	1030	---	419	416	361	663	271	251	126
31	554	---	497	1100	---	423	---	325	---	360	213	---
TOTAL	8600	20672	24249	12211	19087	23427	16144	42695	29146	28708	10134	3908
MEAN	277	689	782	394	682	756	538	1377	972	926	327	130
MAX	874	1930	2640	1100	1640	2260	1630	5630	4130	3520	828	207
MIN	130	241	205	268	402	399	307	325	281	271	159	87
CFSM	1.13	2.81	3.19	1.61	2.78	3.08	2.20	5.62	3.97	3.78	1.33	0.53
IN.	1.31	3.14	3.68	1.85	2.90	3.56	2.45	6.48	4.43	4.36	1.54	0.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2003, BY WATER YEAR (WY)

MEAN	113	299	332	327	393	620	458	482	341	281	109	135
MAX	277	689	782	394	682	1088	538	1377	972	926	327	323
(WY)	2003	2003	2003	2003	2003	2001	2000	2003	2003	2003	2003	2002
MIN	21.5	47.7	87.3	202	267	277	280	90.5	42.9	22.8	27.9	28.9
(WY)	2001	2002	2002	2000	2002	2002	2002	2000	2000	2000	2002	2000

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2000 - 2003	
ANNUAL TOTAL	114293		238981			
ANNUAL MEAN	313		655		367	
HIGHEST ANNUAL MEAN					655	2003
LOWEST ANNUAL MEAN					181	2002
HIGHEST DAILY MEAN	2640	Dec 25	5630	May 8	5630	May 8 2003
LOWEST DAILY MEAN	12	Aug 13	87	Sep 21	12	Aug 13 2002
ANNUAL SEVEN-DAY MINIMUM	15	Aug 9	98	Sep 16	15	Aug 9 2002
MAXIMUM PEAK FLOW					3660	Mar 20 2001
MAXIMUM PEAK STAGE					14.19	Mar 20 2001
ANNUAL RUNOFF (CFSM)	1.28		2.67		1.50	
ANNUAL RUNOFF (INCHES)	17.35		36.29		20.36	
10 PERCENT EXCEEDS	786		1360		849	
50 PERCENT EXCEEDS	185		447		193	
90 PERCENT EXCEEDS	32		166		37	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02413210 LITTLE TALLAPOOSA RIVER BELOW BOWDON, GEORGIA LAKE SOURCE AGENCY USGS STATE 13 COUNTY 045
LATITUDE 332934 LONGITUDE 0851645 NAD27 DRAINAGE AREA 245 CONTRIBUTING DRAINAGE AREA 245* DATUM

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.77	4.74	3.84	5.37	6.03	5.47	4.56	4.48	4.35	9.70	4.73	3.42
2	3.52	4.29	3.81	5.49	5.27	5.19	4.45	4.44	4.26	13.47	4.54	3.31
3	3.36	4.00	3.76	5.29	4.88	4.97	4.37	5.41	4.95	14.20	4.22	3.18
4	3.21	4.15	3.72	5.05	4.82	4.79	4.31	5.71	5.52	12.46	5.15	3.14
5	3.26	5.97	4.47	4.77	4.87	4.84	4.34	5.17	5.18	10.27	4.81	3.09
6	3.35	10.19	5.41	4.61	4.74	10.29	4.40	7.93	4.73	8.80	4.55	3.12
7	6.30	10.36	4.80	4.47	6.77	11.23	5.37	11.54	5.42	7.44	4.69	3.11
8	6.11	9.49	4.40	4.41	6.65	10.61	6.32	18.22	5.88	6.66	4.48	3.11
9	4.49	6.93	4.16	4.37	5.61	8.73	5.82	17.05	5.21	5.71	4.16	3.12
10	3.93	5.37	4.36	4.33	5.71	6.75	5.50	14.14	4.70	5.18	3.94	3.07
11	3.70	7.64	6.91	4.24	5.85	5.66	5.18	11.17	4.58	5.72	3.85	3.00
12	3.56	9.03	7.07	4.13	5.31	5.22	4.87	9.49	4.98	6.13	3.85	2.97
13	3.56	8.41	6.60	4.07	4.95	5.08	4.67	7.88	5.58	5.36	4.12	2.88
14	3.47	6.47	7.07	4.06	4.74	4.96	4.47	6.91	7.37	5.15	4.60	2.85
15	3.55	5.38	6.30	4.04	4.67	5.53	4.33	6.80	7.43	5.15	4.62	2.88
16	4.37	6.04	5.38	4.02	4.93	6.04	4.20	7.03	6.25	5.27	4.83	2.92
17	4.52	7.17	4.93	4.19	5.75	6.30	4.23	6.59	7.34	5.96	6.41	2.87
18	4.07	5.95	4.66	4.13	5.47	6.90	4.82	7.34	11.92	5.14	4.92	2.80
19	3.73	5.07	4.57	4.02	4.99	6.41	5.05	9.15	15.43	4.66	4.23	2.79
20	3.53	4.79	7.22	3.99	4.77	6.46	4.56	8.48	15.31	4.43	3.94	2.74
21	3.52	6.45	7.61	4.03	4.69	6.42	4.41	7.32	11.76	4.23	3.84	2.72
22	3.59	6.52	6.38	4.45	8.32	5.76	5.32	8.18	8.57	4.19	3.73	2.84
23	3.52	5.51	5.36	4.93	9.38	5.33	4.62	9.22	6.87	4.97	3.60	3.39
24	3.43	4.89	10.60	4.39	8.75	5.05	4.26	9.42	5.71	6.78	3.52	3.57
25	3.45	4.55	12.19	4.13	7.11	4.86	7.81	7.97	5.29	6.89	3.50	3.29
26	3.47	4.37	12.02	4.10	5.95	4.83	9.37	6.35	5.05	5.35	3.43	3.15
27	3.47	4.23	10.29	4.06	5.94	5.00	8.22	5.84	4.86	4.50	3.34	3.00
28	3.58	4.10	7.95	3.99	5.94	4.81	6.33	5.24	4.84	4.20	3.27	2.92
29	6.22	3.98	6.53	4.05	---	4.65	5.15	4.87	5.61	4.06	3.41	3.22
30	7.07	3.93	5.62	7.21	---	4.74	4.73	4.67	5.74	3.94	3.83	3.02
31	5.67	---	5.08	7.50	---	4.76	---	4.50	---	4.39	3.61	---
MEAN	4.08	6.00	6.23	4.58	5.82	6.05	5.20	8.02	6.69	6.46	4.18	3.05
MAX	7.07	10.36	12.19	7.50	9.38	11.23	9.37	18.22	15.43	14.20	6.41	3.57
MIN	3.21	3.93	3.72	3.99	4.67	4.65	4.20	4.44	4.26	3.94	3.27	2.72

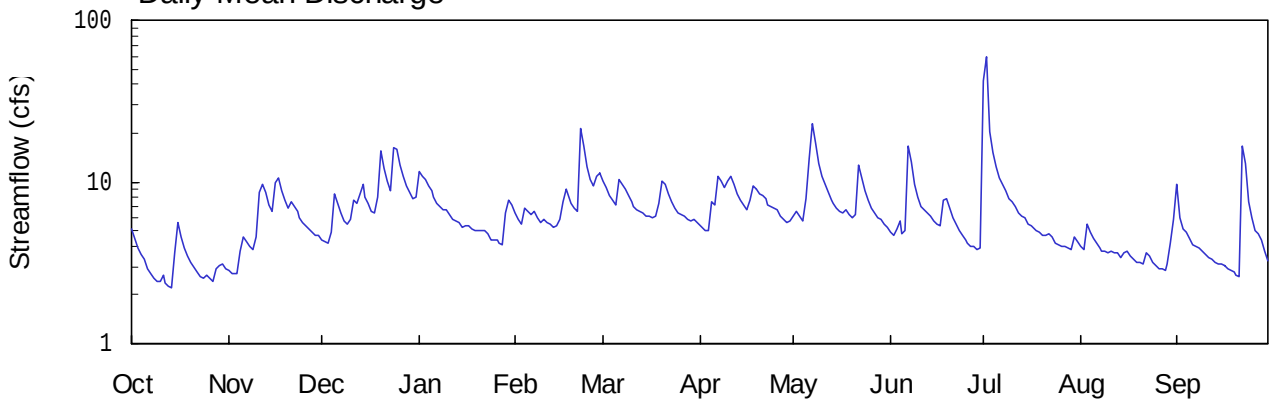
2003 Water Year

03544947 BRIER CREEK NEAR HIAWASSEE, GA

Latitude: 34°50'05" Longitude: 083°42'34" Hydrologic Unit Code: 06020002 Towns County

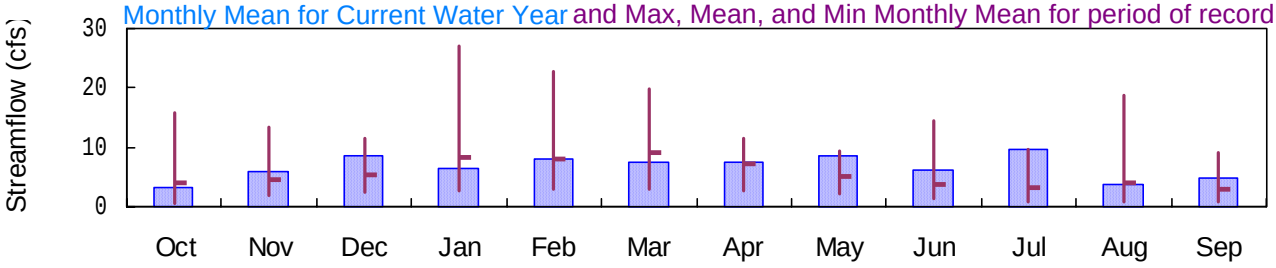
Drainage Area: 1.67 mi^2 Datum: 2141. feet

Daily Mean Discharge

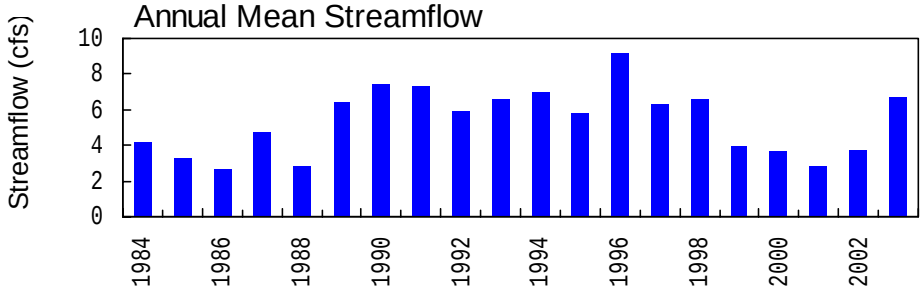


Monthly Statistics

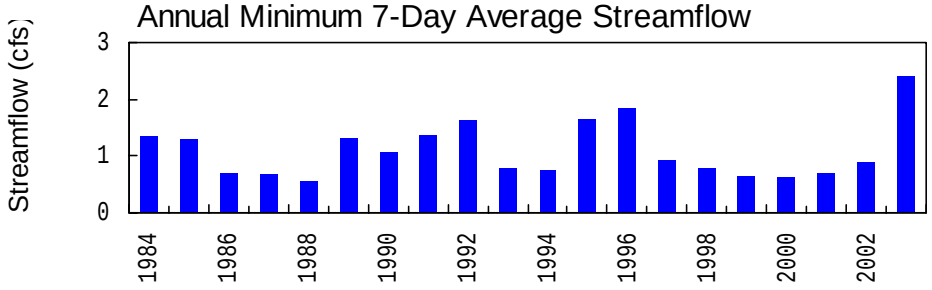
Monthly Mean for Current Water Year and Max, Mean, and Min Monthly Mean for period of record



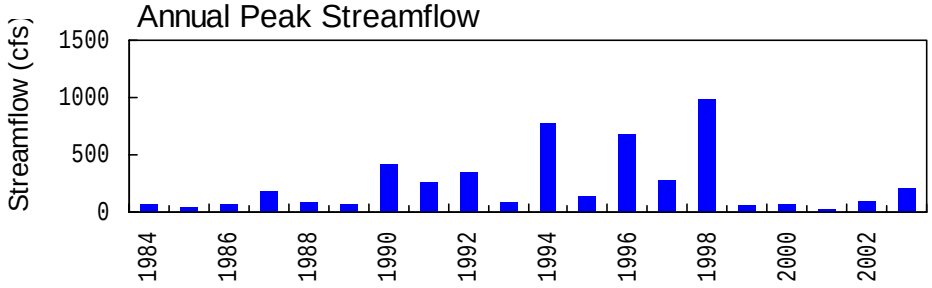
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



TENNESSEE RIVER BASIN
2003 Water Year

03544947 BRIER CREEK NEAR HIAWASSEE, GA

LOCATION.—Lat 34°50'05", long 83°42'34" referenced to North American Datum (NAD) of 1927, Towns County, Hydrologic Unit 06020002, on left bank, 0.3 miles upstream from Corbin Creek, and 8.2 miles southeast of Hiawassee.

DRAINAGE AREA.—1.67 square miles.

COOPERATION.—USGS Carbon Program.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—May 1984 to current year.

REVISED RECORDS.—WDR GA-89-1: Drainage area. WDR GA-90-1: 1984- 89(M).

GAGE.—Water-stage recorder. Datum of gage is 2,141.43 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records are good, except those greater than 20.0 cfs, which are poor and those periods of estimated discharge which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharge greater than base discharge of 35 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
07/01	2100	213*	3.28*
09/22	1645	52.2	2.66

WATER-STAGE RECORDS

PERIOD OF RECORD.—May 1984 to current year.

GAGE.—Water-stage recorder. Datum of gage is 2,141.43 feet above National Geodetic Vertical Datum (NGVD) of 1929 (leveling by Global Positioning System equipment).

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 3.28 feet, July 1; minimum gage-height recorded, 1.62 feet, October 13-15.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 03544947 BRIER CREEK NEAR HIAWASSEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 281
LATITUDE 345005 LONGITUDE 0834234 NAD27 DRAINAGE AREA 1.67 CONTRIBUTING DRAINAGE AREA 1.67* DATUM 2141.43 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	2.8	4.4	12	6.4	10	5.4	6.1	4.9	42	4.0	9.7
2	4.5	2.7	4.3	11	5.8	9.3	5.2	6.5	4.7	59	3.8	6.0
3	3.9	2.7	4.1	10	5.5	8.3	5.1	6.1	5.1	21	5.5	5.1
4	3.6	2.7	4.9	9.5	7.0	7.6	5.0	5.8	5.7	15	4.9	4.9
5	3.3	3.7	8.4	8.8	6.5	7.2	7.5	7.8	4.8	12	4.5	4.5
6	2.9	4.5	7.4	8.1	6.3	10	7.2	14	5.0	10	4.2	4.1
7	2.7	4.2	6.4	7.4	6.6	9.7	11	23	17	9.7	3.9	4.0
8	2.5	4.0	5.8	7.0	6.0	9.0	10	17	13	8.9	3.7	3.9
9	2.4	3.8	5.5	6.8	5.7	8.3	9.3	13	9.7	8.0	3.7	3.7
10	2.4	4.5	5.9	6.7	5.9	7.6	10	11	8.0	7.5	3.7	3.6
11	2.6	8.6	7.8	6.2	5.6	7.1	11	9.6	7.0	7.0	3.8	3.4
12	2.4	9.8	7.3	5.9	5.4	6.7	9.6	8.6	6.7	6.4	3.6	3.3
13	2.3	8.6	8.4	5.7	5.2	6.6	8.5	7.8	6.5	6.2	3.6	3.2
14	2.2	7.2	e9.7	5.6	5.3	6.4	7.7	7.3	6.1	6.0	3.4	3.1
15	3.7	6.6	e8.0	5.3	5.8	6.1	7.1	7.0	5.7	5.5	3.6	3.1
16	5.6	9.8	e7.3	5.3	7.6	6.1	6.8	6.6	5.4	5.4	3.7	3.0
17	4.6	11	e6.6	5.4	9.1	6.1	7.7	6.4	5.3	5.2	3.5	2.9
18	3.9	8.9	e6.4	5.1	8.4	6.1	9.5	6.7	7.6	5.0	3.3	2.8
19	3.5	7.7	e8.0	5.0	7.4	7.4	9.0	6.3	7.9	4.9	3.2	2.8
20	3.1	6.9	16	5.0	6.9	10	8.3	6.1	6.8	4.7	3.1	2.6
21	3.0	7.5	12	5.0	6.6	9.7	8.3	6.2	6.0	4.6	3.1	2.6
22	2.8	7.1	10	5.0	21	8.4	7.8	13	5.5	4.8	3.7	17
23	2.6	6.5	8.8	4.8	17	7.5	7.3	11	5.0	4.6	3.5	13
24	2.6	6.0	16	4.4	12	6.9	7.0	8.8	4.7	4.2	3.2	7.6
25	2.6	5.6	16	4.4	10	6.5	6.9	7.7	4.4	4.1	3.0	6.0
26	2.5	5.3	13	4.4	9.5	6.2	6.8	7.0	4.1	4.0	2.9	5.0
27	2.4	5.1	11	4.2	11	6.1	6.2	6.4	4.0	4.0	2.9	4.8
28	2.9	4.9	9.5	4.1	11	5.9	5.9	6.1	4.0	3.9	2.9	4.3
29	3.0	4.7	8.6	6.4	---	5.8	5.7	5.8	3.8	3.8	3.1	3.7
30	3.1	4.6	8.0	7.7	---	5.8	5.7	5.5	3.9	4.5	4.2	3.3
31	2.9	---	8.0	7.2	---	5.6	---	5.2	---	4.2	5.8	---
TOTAL	97.6	178.0	263.5	199.4	226.5	230.0	228.5	265.4	188.3	296.1	115.0	147.0
MEAN	3.15	5.93	8.50	6.43	8.09	7.42	7.62	8.56	6.28	9.55	3.71	4.90
MAX	5.6	11	16	12	21	10	11	23	17	59	5.8	17
MIN	2.2	2.7	4.1	4.1	5.2	5.6	5.0	5.2	3.8	3.8	2.9	2.6
CFSM	1.89	3.55	5.09	3.85	4.84	4.44	4.56	5.13	3.76	5.72	2.22	2.93
IN.	2.17	3.97	5.87	4.44	5.05	5.12	5.09	5.91	4.19	6.60	2.56	3.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2003, BY WATER YEAR (WY)

MEAN	3.91	4.48	5.45	8.42	8.00	8.98	7.13	4.99	3.86	3.27	3.89	2.96
MAX	15.8	13.4	11.5	27.0	22.9	19.9	11.6	9.28	14.5	9.75	18.6	9.13
(WY)	1996	1993	1997	1996	1990	1990	1991	1991	1989	1989	1994	1996
MIN	0.64	1.78	2.44	2.64	2.99	2.92	2.73	2.07	1.39	0.87	0.82	0.87
(WY)	1988	2002	1985	1985	1986	1988	1986	2001	2000	1986	1986	1986

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1984 - 2003	
ANNUAL TOTAL	1690.99		2435.3			
ANNUAL MEAN	4.63		6.67		5.43	
HIGHEST ANNUAL MEAN					9.17	1996
LOWEST ANNUAL MEAN					2.69	1986
HIGHEST DAILY MEAN	46	Sep 27	59	Jul 2	330	Jan 7 1998
LOWEST DAILY MEAN	0.79	Jul 7	2.2	Oct 14	0.56	Oct 15 1987
ANNUAL SEVEN-DAY MINIMUM	0.88	Jul 3	2.4	Oct 8	0.57	Oct 13 1987
MAXIMUM PEAK FLOW			213	Jul 1	990	Jan 7 1998
MAXIMUM PEAK STAGE			3.28	Jul 1	4.18	Jan 7 1998
ANNUAL RUNOFF (CFSM)	2.77		4.00		3.25	
ANNUAL RUNOFF (INCHES)	37.67		54.25		44.14	
10 PERCENT EXCEEDS	8.6		10		9.7	
50 PERCENT EXCEEDS	3.6		5.9		3.8	
90 PERCENT EXCEEDS	1.3		3.1		1.2	

e Estimated

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 03544947 BRIER CREEK NEAR HIAWASSEE, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 281
LATITUDE 345005 LONGITUDE 0834234 NAD27 DRAINAGE AREA 1.67 CONTRIBUTING DRAINAGE AREA 1.67* DATUM 2141.43 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.82	1.67	1.78	2.08	1.88	2.05	1.85	1.89	1.83	2.19	1.83	2.06
2	1.78	1.66	1.77	2.06	1.85	2.02	1.84	1.91	1.81	2.66	1.82	1.94
3	1.75	1.66	1.76	2.04	1.84	1.99	1.83	1.89	1.84	2.31	1.91	1.90
4	1.73	1.66	1.80	2.01	1.91	1.96	1.83	1.87	1.87	2.20	1.88	1.89
5	1.71	1.73	1.97	1.98	1.89	1.94	1.94	1.96	1.82	2.13	1.86	1.86
6	1.68	1.78	1.93	1.96	1.88	2.05	1.94	2.16	1.83	2.08	1.85	1.84
7	1.66	1.77	1.88	1.93	1.89	2.04	2.07	2.34	2.22	2.07	1.83	1.83
8	1.65	1.75	1.85	1.91	1.86	2.01	2.05	2.25	2.15	2.04	1.82	1.83
9	1.64	1.74	1.84	1.90	1.85	1.99	2.02	2.14	2.04	2.01	1.81	1.81
10	1.64	1.79	1.86	1.90	1.86	1.95	2.05	2.07	1.97	1.99	1.81	1.81
11	1.66	1.97	1.94	1.87	1.84	1.93	2.07	2.04	1.93	1.97	1.82	1.80
12	1.64	2.02	1.92	1.86	1.83	1.92	2.03	2.00	1.92	1.95	1.81	1.79
13	1.63	1.98	1.97	1.85	1.82	1.91	1.99	1.96	1.91	1.94	1.81	1.78
14	1.62	1.92	---	1.84	1.83	1.90	1.96	1.94	1.89	1.93	1.80	1.77
15	1.71	1.89	---	1.83	1.85	1.89	1.94	1.93	1.87	1.92	1.81	1.77
16	1.84	2.02	---	1.83	1.93	1.89	1.92	1.91	1.85	1.91	1.81	1.77
17	1.79	2.05	---	1.83	1.99	1.89	1.95	1.90	1.85	1.90	1.80	1.76
18	1.75	1.99	---	1.81	1.97	1.89	2.03	1.92	1.95	1.89	1.79	1.75
19	1.72	1.94	---	1.81	1.93	1.94	2.01	1.90	1.97	1.89	1.78	1.75
20	1.70	1.90	2.20	1.81	1.90	2.05	1.99	1.89	1.92	1.88	1.78	1.74
21	1.68	1.93	2.10	1.81	1.89	2.04	1.98	1.89	1.88	1.87	1.77	1.73
22	1.67	1.91	2.03	1.81	2.28	1.99	1.96	2.12	1.86	1.87	1.81	2.17
23	1.65	1.89	1.98	1.80	2.23	1.95	1.94	2.06	1.83	1.87	1.80	2.15
24	1.65	1.86	2.21	1.78	2.12	1.93	1.93	2.00	1.81	1.85	1.78	2.01
25	1.66	1.84	2.21	1.78	2.05	1.91	1.93	1.96	1.80	1.84	1.77	1.96
26	1.65	1.83	2.12	1.77	2.03	1.89	1.92	1.93	1.78	1.83	1.76	1.93
27	1.64	1.82	2.05	1.77	2.07	1.89	1.89	1.90	1.77	1.83	1.75	1.93
28	1.68	1.81	2.01	1.76	2.08	1.88	1.88	1.89	1.77	1.83	1.75	1.92
29	1.69	1.79	1.98	1.87	---	1.87	1.87	1.88	1.76	1.82	1.77	1.89
30	1.69	1.79	1.95	1.94	---	1.87	1.87	1.86	1.77	1.86	1.84	1.87
31	1.68	---	1.95	1.92	---	1.86	---	1.84	---	1.85	1.92	---
MEAN	1.69	1.85	---	1.87	1.94	1.94	1.95	1.97	1.88	1.97	1.81	1.87
MAX	1.84	2.05	---	2.08	2.28	2.05	2.07	2.34	2.22	2.66	1.92	2.17
MIN	1.62	1.66	---	1.76	1.82	1.86	1.83	1.84	1.76	1.82	1.75	1.73

TENNESSEE RIVER BASIN
2003 Water Year

03550500 NOTTELY RIVER NEAR BLAIRSVILLE, GA

LOCATION.—Lat 34°50'28", long 83°56'10" referenced to North American Datum (NAD) of 1927, Union County, Hydrologic Unit 06020002, 0.2 miles upstream from Akins Creek, 2.7 miles southeast of Blairsville, 0.3 miles west of US 19.

DRAINAGE AREA.—74.8 square miles.

COOPERATION.—City of Blairsville.

LOW-WATER RATING RECORDS

PERIOD OF RECORD.—January 1942 to March 1982, August 10, 1993 to current water year.

GAGE.—Standard USGS reference mark. Datum of gage 1812.47 feet above National Geodetic Vertical Datum (NGVD) of 1929.

RATING.—Rating Number 19, effective October 1987 to current water year.

REMARKS.—Records are good. Measurements for the current water year are as follows:

DATE	GAGE-HEIGHT (feet)	DISCHARGE (cfs)
10/28/02	2.22	62.8
12/20/02	3.60	464
03/14/03	2.80	178
04/23/03	2.89	208
06/11/03	2.83	190
07/31/03	2.71	156

03553000 NOTTELY LAKE NEAR IVYLOG, GA

LOCATION.—Lat 34°57'29", long 84°05'22" referenced to North American Datum (NAD) of 1927, Union County, Hydrologic Unit 06020002, at dam on Nottely River, 1.3 miles upstream from Dooley Creek, 1.7 miles southwest of Ivylog, 2.5 miles upstream from Georgia-North Carolina State line, and at mile 21.0.

REMARKS.—Water levels and lake contents are collected by the Tennessee Valley Authority. Please see the following Internet location for more information:

http://lakeinfo.tva.gov/

TENNESSEE RIVER BASIN
2003 Water Year

03558500 BLUE RIDGE LAKE NEAR BLUE RIDGE, GA

LOCATION.—Lat 34°52'52", long 84°16'49" referenced to North American Datum (NAD) of 1927, Fannin County, Hydrologic Unit 06020003, 400.0 feet upstream from Blue Ridge Dam on Toccoa River, 2.5 miles northeast of Blue Ridge, and at mile 53.0.

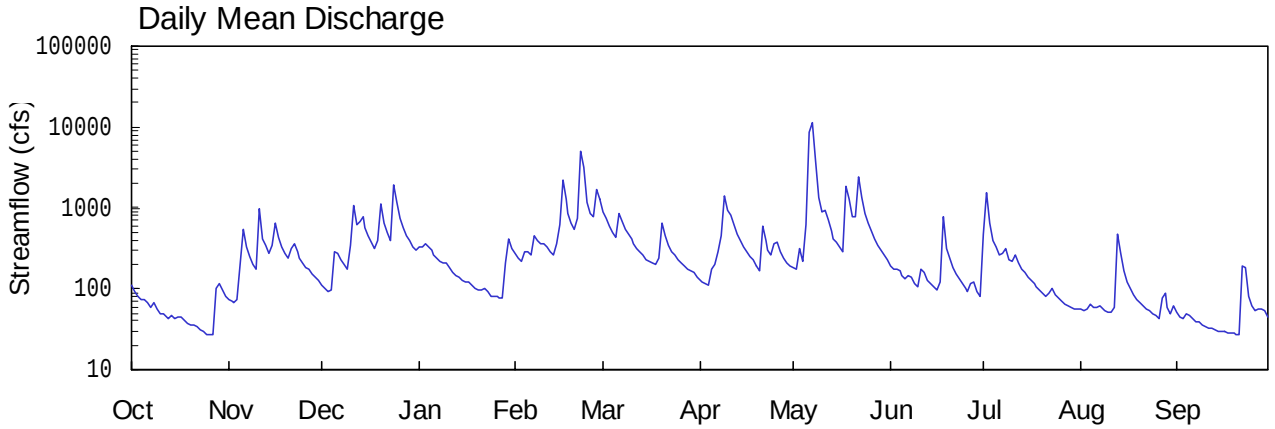
REMARKS.—Water levels and lake contents are collected by the Tennessee Valley Authority. Please see the following Internet location for more information:

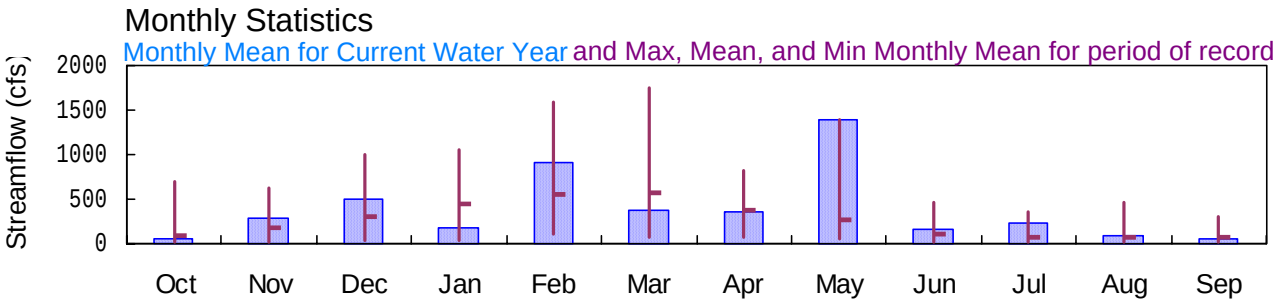
http://lakeinfo.tva.gov/

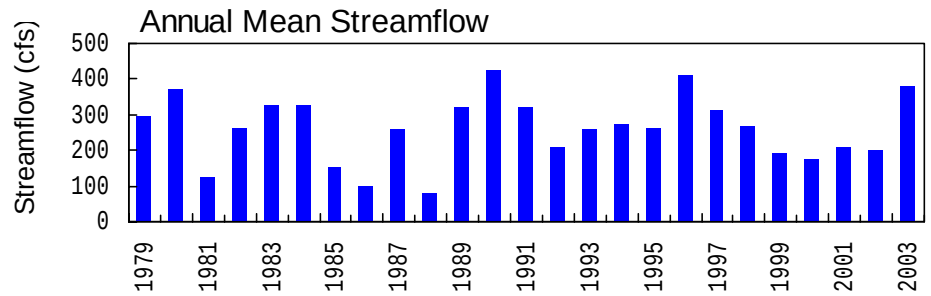
2003 Water Year

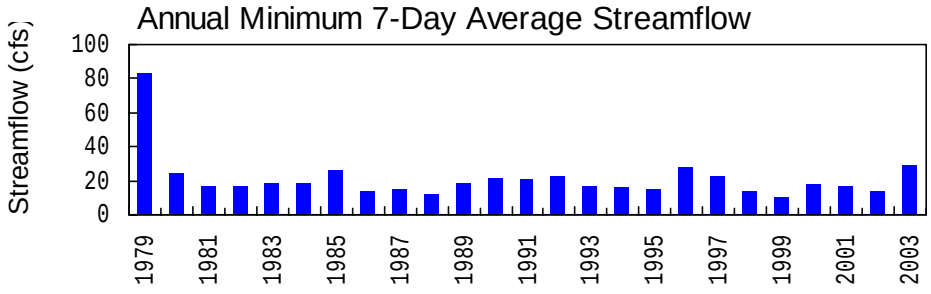
03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA

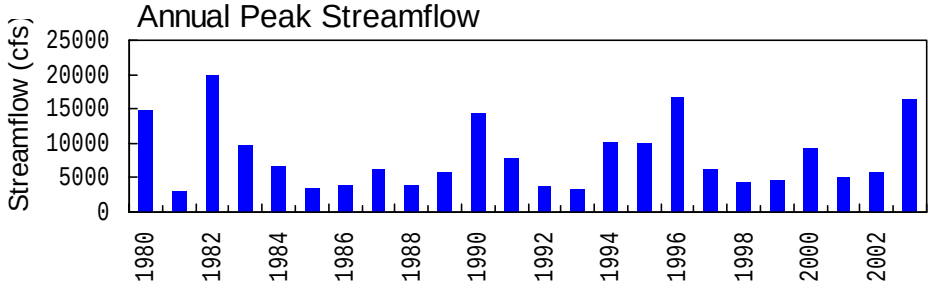
Latitude: 34°53'51" Longitude: 085°27'47" Hydrologic Unit Code: 06020001 Dade County
Drainage Area: 149.0 mi² Datum: 663.8 feet











TENNESSEE RIVER BASIN
2003 Water Year

03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA

LOCATION.—Lat 34°53'51", long 85°27'47" referenced to North American Datum (NAD) of 1983, Dade County, Hydrologic Unit 06020001, at bridge on County Road 2214, 0.4 miles downstream of Squirrel Town Creek, 2.2 miles southeast of New England.

DRAINAGE AREA.—149 square miles.

COOPERATION.—Georgia Geologic Survey.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—August 1979 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 663.80 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Tennessee Valley Authority). From August 30, 1979 to October 4, 1988, a water-stage recorder was located at a site 200.00 feet downstream at the same datum.

REMARKS.—Records good.

PEAK DISCHARGES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 3,000 cfs and maximum (*):

DATE	TIME	DISCHARGE (cfs)	GAGE-HEIGHT (feet)
02/22	1200	7,170	15.63
05/07	0445	16,400*	19.50*
05/22	1415	3,080	12.79

WATER-STAGE RECORDS

PERIOD OF RECORD.—August 1979 to current year.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 663.80 feet above National Geodetic Vertical Datum (NGVD) of 1929 (levels by Tennessee Valley Authority). From August 30, 1979 to October 4, 1988, a water-stage recorder was located at a site 200.00 feet downstream at the same datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.—Maximum gage-height recorded, 19.50 feet, May 7; minimum gage-height recorded, 3.25 feet, September 19-22.

03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA—continued.

PRECIPITATION RECORDS

PERIOD OF RECORD.—May 23, 2001 to current year.

GAGE.—Tipping-bucket raingage.

REMARKS.—Records good.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 083
LATITUDE 345351 LONGITUDE 0852747 NAD83 DRAINAGE AREA 149.00* CONTRIBUTING DRAINAGE AREA DATUM 663.80 NGVD29

APPROVED

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	113	73	109	327	270	893	129	185	193	470	57	51
2	94	71	100	324	239	734	121	173	177	1560	53	45
3	81	67	93	353	216	594	115	321	172	646	56	42
4	75	72	96	325	289	498	109	217	168	392	64	49
5	75	195	286	297	283	435	172	635	144	326	59	47
6	67	530	277	266	262	838	200	8720	131	263	59	43
7	57	335	227	235	454	674	294	11300	143	277	63	39
8	67	251	196	218	403	550	446	3760	137	318	58	38
9	57	201	172	206	355	476	1380	1370	117	225	52	36
10	49	176	346	207	356	410	933	904	106	218	50	34
11	49	983	1070	180	329	359	816	914	176	262	51	33
12	47	418	632	158	293	319	614	718	156	214	58	32
13	43	352	684	145	261	287	483	525	126	172	465	31
14	47	277	794	138	357	260	391	421	117	161	276	30
15	43	337	569	128	613	231	329	369	108	140	167	30
16	45	661	452	121	2210	217	287	327	97	125	120	29
17	45	432	373	121	1310	205	254	283	119	115	100	29
18	40	329	313	109	849	200	231	1820	789	104	84	28
19	38	275	390	101	653	240	194	1270	308	95	73	28
20	36	241	1100	97	545	657	169	775	239	88	67	28
21	35	319	646	99	736	444	592	796	186	82	61	28
22	34	358	492	100	5120	345	400	2430	154	90	56	192
23	31	284	399	92	3240	293	298	1360	130	102	52	179
24	30	240	1940	82	1180	258	262	857	114	84	50	82
25	27	207	1190	80	844	228	367	642	101	75	46	62
26	27	182	743	79	765	208	369	519	92	70	43	54
27	27	173	569	76	1650	192	291	419	118	66	77	56
28	103	151	461	77	1260	174	245	349	122	61	89	57
29	118	136	388	207	---	164	211	300	93	59	60	53
30	98	124	334	411	---	159	187	259	82	56	49	46
31	81	---	294	309	---	141	---	227	---	55	61	---
TOTAL	1779	8450	15735	5668	25342	11683	10889	43165	4915	6971	2676	1531
MEAN	57.4	282	508	183	905	377	363	1392	164	225	86.3	51.0
MAX	118	983	1940	411	5120	893	1380	11300	789	1560	465	192
MIN	27	67	93	76	216	141	109	173	82	55	43	28
CFSM	0.39	1.89	3.41	1.23	6.07	2.53	2.44	9.35	1.10	1.51	0.58	0.34
IN.	0.44	2.11	3.93	1.42	6.33	2.92	2.72	10.78	1.23	1.74	0.67	0.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2003, BY WATER YEAR (WY)

MEAN	93.2	180	307	452	561	564	375	273	108	75.6	71.2	73.4
MAX	704	627	992	1061	1591	1755	821	1392	468	361	465	311
(WY)	1996	1980	1983	1996	1990	1980	2000	2003	1989	1989	1982	1979
MIN	15.8	20.3	36.1	44.5	107	79.2	77.3	54.4	19.6	14.4	11.9	10.7
(WY)	1988	1988	1988	1981	1988	1988	1986	1988	1988	1988	1999	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1979 - 2003	
ANNUAL TOTAL	83095		138804			
ANNUAL MEAN	228		380		259	
HIGHEST ANNUAL MEAN					424	1990
LOWEST ANNUAL MEAN					81.0	1988
HIGHEST DAILY MEAN	4800	May 4	11300	May 7	11900	Oct 5 1995
LOWEST DAILY MEAN	14	Aug 7	27	Oct 25	9.9	Aug 22 1999
ANNUAL SEVEN-DAY MINIMUM	14	Aug 7	29	Sep 15	10	Aug 16 1999
MAXIMUM PEAK FLOW			16400	May 7	20000	Aug 17 1982
MAXIMUM PEAK STAGE			19.50	May 7	20.73	Aug 17 1982
ANNUAL RUNOFF (CFSM)	1.53		2.55		1.74	
ANNUAL RUNOFF (INCHES)	20.75		34.65		23.60	
10 PERCENT EXCEEDS	539		752		578	
50 PERCENT EXCEEDS	100		193		96	
90 PERCENT EXCEEDS	15		47		22	

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA STREAM SOURCE AGENCY USGS STATE 13 COUNTY 083
LATITUDE 345351 LONGITUDE 0852747 NAD83 DRAINAGE AREA 149.00* CONTRIBUTING DRAINAGE AREA DATUM 663.80 NGVD29

APPROVED

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.24	3.87	4.27	5.55	5.26	7.99	4.41	4.93	4.82	5.62	3.72	3.64
2	4.06	3.84	4.19	5.53	5.09	7.30	4.36	4.85	4.73	10.22	3.68	3.56
3	3.94	3.81	4.14	5.68	4.96	6.74	4.31	5.65	4.69	7.01	3.71	3.52
4	3.89	3.86	4.16	5.54	5.35	6.34	4.27	5.11	4.67	5.98	3.82	3.61
5	3.88	4.70	5.33	5.40	5.33	6.06	4.68	6.72	4.52	5.69	3.76	3.60
6	3.80	6.62	5.29	5.24	5.21	7.76	4.86	16.01	4.42	5.37	3.76	3.52
7	3.70	5.70	5.02	5.07	6.15	7.06	5.38	17.57	4.51	5.43	3.80	3.47
8	3.80	5.21	4.84	4.97	5.92	6.56	5.87	13.34	4.47	5.65	3.74	3.45
9	3.70	4.89	4.70	4.90	5.69	6.25	9.84	9.90	4.33	5.16	3.67	3.41
10	3.61	4.72	5.36	4.90	5.69	5.95	8.18	8.18	4.24	5.11	3.64	3.37
11	3.61	8.11	8.72	4.74	5.56	5.71	7.69	8.21	4.70	5.36	3.65	3.35
12	3.59	5.98	6.89	4.60	5.38	5.51	6.88	7.39	4.59	5.09	3.74	3.33
13	3.54	5.67	7.11	4.52	5.21	5.35	6.35	6.60	4.39	4.82	6.26	3.31
14	3.58	5.29	7.56	4.47	5.67	5.20	5.95	6.15	4.33	4.73	5.43	3.30
15	3.53	5.54	6.64	4.41	6.81	5.04	5.67	5.91	4.26	4.58	4.78	3.30
16	3.57	7.01	6.14	4.36	11.66	4.96	5.48	5.70	4.17	4.45	4.41	3.29
17	3.56	6.05	5.78	4.36	9.54	4.89	5.32	5.47	4.31	4.37	4.23	3.27
18	3.50	5.56	5.48	4.27	7.79	4.86	5.19	10.72	7.54	4.26	4.06	3.26
19	3.47	5.28	5.67	4.20	6.98	5.08	4.98	9.42	5.45	4.18	3.93	3.26
20	3.43	5.10	8.81	4.17	6.54	6.99	4.83	7.54	5.09	4.10	3.86	3.25
21	3.43	5.50	6.95	4.18	7.33	6.10	6.81	7.62	4.78	4.04	3.78	3.25
22	3.40	5.70	6.31	4.19	13.97	5.64	6.05	11.82	4.58	4.12	3.71	4.59
23	3.37	5.33	5.90	4.13	12.58	5.38	5.55	9.68	4.42	4.24	3.67	4.83
24	3.35	5.09	10.56	4.03	9.12	5.19	5.36	7.83	4.30	4.06	3.63	4.04
25	3.30	4.91	9.10	4.01	7.77	5.03	5.89	6.93	4.20	3.96	3.58	3.79
26	3.30	4.76	7.34	4.01	7.43	4.91	5.90	6.43	4.13	3.89	3.53	3.69
27	3.29	4.70	6.64	3.98	10.33	4.81	5.52	5.99	4.29	3.84	3.86	3.71
28	4.01	4.56	6.18	3.98	9.40	4.71	5.27	5.66	4.36	3.78	4.10	3.73
29	4.28	4.46	5.85	4.78	---	4.64	5.08	5.41	4.13	3.75	3.76	3.67
30	4.10	4.38	5.59	5.95	---	4.61	4.94	5.20	4.03	3.72	3.62	3.57
31	3.95	---	5.39	5.46	---	4.50	---	5.02	---	3.70	3.78	---
MEAN	3.67	5.21	6.19	4.70	7.28	5.71	5.70	7.84	4.58	4.85	3.96	3.56
MAX	4.28	8.11	10.56	5.95	13.97	7.99	9.84	17.57	7.54	10.22	6.26	4.83
MIN	3.29	3.81	4.14	3.98	4.96	4.50	4.27	4.85	4.03	3.70	3.53	3.25

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LATITUDE 345351 LONGITUDE 0852747 NAD83 DRAINAGE AREA 149.00* CONTRIBUTING DRAINAGE AREA DATUM 663.80 NGVD29

APPROVED

Precipitation, total, inches
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.00	0.00	0.33	0.00	0.00	0.00	0.02	0.00	3.16	0.01	0.00
2	---	0.00	0.01	0.22	0.00	0.00	0.00	0.15	0.18	0.13	0.00	0.00
3	---	0.29	0.00	0.00	0.08	0.00	0.00	0.00	0.31	0.00	0.27	0.26
4	---	0.07	0.85	0.00	0.36	0.00	0.00	0.00	0.27	0.03	0.00	0.36
5	---	1.21	0.26	0.00	0.00	0.31	0.41	2.14	0.00	0.05	0.18	0.00
6	---	0.02	0.00	0.00	0.62	0.59	0.28	3.30	0.16	0.13	0.21	0.00
7	---	0.00	0.00	0.00	0.02	0.00	0.36	2.60	0.54	0.23	0.00	0.00
8	0.00	0.00	0.00	0.00	---	0.01	1.30	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.22	---	0.00	0.40	0.03	0.00	0.00	0.00	0.00
10	0.20	2.01	1.51	0.02	---	0.00	0.31	0.00	0.04	0.93	0.00	0.00
11	0.03	0.84	0.02	0.00	0.00	0.00	0.00	0.94	0.71	0.27	0.04	0.00
12	0.01	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00
13	0.00	0.00	0.82	0.00	0.00	0.00	0.00	0.00	0.14	0.06	---	0.00
14	0.00	0.00	0.00	0.00	1.07	0.00	0.00	0.05	0.27	0.05	---	0.00
15	0.46	0.96	0.01	0.00	0.51	0.03	0.00	0.02	0.00	0.00	---	0.00
16	0.01	0.01	0.00	0.14	1.69	0.01	0.00	0.00	0.12	0.00	---	0.00
17	0.00	0.00	0.00	0.00	0.04	0.13	0.17	1.31	0.23	0.01	---	0.00
18	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.71	0.40	0.00	---	0.00
19	0.00	0.08	1.15	0.00	0.00	0.59	0.00	0.07	0.06	0.00	0.00	0.00
20	0.04	0.12	0.01	0.00	0.13	0.00	0.00	0.06	0.00	0.00	0.00	0.00
21	0.11	0.15	0.00	0.17	1.04	0.00	1.80	0.73	0.00	0.03	0.00	0.15
22	0.00	0.00	0.00	0.00	2.20	0.00	0.00	0.25	0.00	0.64	0.00	2.42
23	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.02	0.00	0.02	0.00	0.01
24	0.06	0.00	1.95	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00
25	0.02	0.00	0.02	0.00	0.01	0.00	0.20	0.02	0.00	0.00	0.00	0.00
26	0.01	0.22	0.00	0.00	0.62	0.00	0.00	0.00	0.06	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.66	0.00	0.00	0.00	0.01	0.00	1.21	0.49
28	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.01
29	---	0.00	0.00	1.20	---	0.38	0.00	0.00	0.00	0.00	0.00	0.00
30	---	0.00	0.00	0.00	---	0.01	0.01	0.00	0.10	0.00	0.10	---
31	0.00	---	0.03	0.00	---	0.00	---	0.00	---	0.68	0.02	---
TOTAL	---	6.33	6.64	2.30	---	2.08	5.78	12.42	3.60	6.45	---	---

Miscellaneous Ground-Water-Quality Record

(Water Year)

SURFICIAL AQUIFER
2003 Water Year

312241084244401 Site Name. —10K007

LOCATION.—Lat 31°22’41”, long 84°24’44”, referenced to North American Datum (NAD) of 1983, Baker County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---September to November 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
SEP 24...	0900	1028	80020	9.00	65	23.5	4040	28	762	7.7	87	5.7	34

Date	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
SEP 24...	21.6	14	5.12	.393	.62	.2	1.89	21	15	18	E.02	2.29	<.2

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)
SEP 24...	12.1	1.0	33	45	<.10	<.04	.11	<.008	<.02	E.2n	2	<.30	<.3

Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
SEP 24...	9	.10	7	.07	E.8n	.12	.6	E8n	E.04n	1.0	4.7	<.3	2.09

Date	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	1,4-Naphthoquinone, water, fltrd, ug/L (61611)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2-(4-t-Butylphenoxy)cyclohexanol wat flt ug/L (61637)	2,4-D water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	2,5-Dichloroaniline water, fltrd, ug/L (61614)
SEP 24...	<.5	<.20	5.25	<.04	.5	5	<.05mc	<.09mc	<.01	<.009	<.02	<.02	<.03

312241084244401 Site Name. —10K007---continued.

Date	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)-amino]propan-1-ol, ug/L (61615)	2Amino-N-iso-propyl-benz-amide, wat flt ug/L (61617)	2Chloro-2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)	OIET, water, fltrd, ug/L (50355)	3-(Tri-fluoro-methyl) aniline water, fltrd, ug/L (61630)	3,4-Di-chloro-aniline water fltrd, ug/L (61625)	3,5-Di-chloro-aniline water, fltrd, ug/L (61627)	3-Hydroxy carbo-furan, wat flt 0.7u GF ug/L (49308)	3-Phen-oxy-benzyl alcohol water, fltrd, ug/L (61629)
SEP 24...	<.006	<.1	<.005	<.005	<.006	<.04	<.004mc	<.008	<.01mc	<.004	<.005	<.006	--u

Date	4-(MeOH)-pendi-meth-alin, wat flt ug/L (61665)	4,4'-Di chloro-benzo-phen-one, wat flt ug/L (61631)	4Chloro phenyl-methyl sulfone water, fltrd, ug/L (61634)	Aceto-chlor, water, fltrd, ug/L (49260)	Aci-fluor-fen, water, fltrd 0.7u GF ug/L (49315)	Ala-chlor, water, fltrd, ug/L (46342)	Aldi-carb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldi-carb sulf-oxide, wat flt 0.7u GF ug/L (49314)	Aldi-carb, water, fltrd 0.7u GF ug/L (49312)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	alpha-HCH, water, fltrd, ug/L (34253)	Amino-methyl-phos-phonic acid, wat flt ug/L (62649)	Atra-zine, water, fltrd, ug/L (39632)
SEP 24...	--u	<.003mc	<.03mc	<.006	<.007	<.004	<.02	<.008	<.04	<.005	<.005	<.1	<.007

Date	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Bendio-carb, water, fltrd, ug/L (50299)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Benomyl water, fltrd, ug/L (50300)	Bensul-furon, water, fltrd, ug/L (61693)	Ben-tazon, water, fltrd 0.7u GF ug/L (38711)	beta-Endo-sulfan, water, fltrd, ug/L (34357)	Bifen-thrin, water, fltrd, ug/L (61580)	Broma-cil, water, fltrd, ug/L (04029)	Brom-oxynil, water, fltrd 0.7u GF ug/L (49311)	Caf-feine, water, fltrd, ug/L (50305)	Car-baryl, water, fltrd 0.7u GF ug/L (49310)
SEP 24...	<.02mc	<.050	<.03	<.010	<.004	<.02	<.01	<.01mc	<.005mc	<.03	<.02	<.015c	<.03

Date	Carbo-furan, water, fltrd 0.7u GF ug/L (49309)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Chlor-amben methyl ester, water, fltrd, ug/L (61188)	Chlori-muron, water, fltrd, ug/L (50306)	Chloro-di-amino-s-tri-azine, wat flt ug/L (04039)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	cis-Propi-cona-zole, water, fltrd, ug/L (79846)	Cyclo-ate, water, fltrd, ug/L (04031)	Cyflu-thrin, water, fltrd, ug/L (61585)	Cyhalo-thrin, water, fltrd, ug/L (61595)	Cyper-methrin water, fltrd, ug/L (61586)	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)
SEP 24...	<.006	<.020	<.02	<.010	E.01	<.06mc	<.006	<.008	<.005	<.008mc	<.009	<.009mc	<.01

Date	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Dicamba water fltrd 0.7u GF ug/L (38442)	Di-chlor-prop, water, fltrd 0.7u GF ug/L (49302)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd 0.7u GF ug/L (82662)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphen-amid, water, fltrd, ug/L (04033)	Disulf-oton sulfone water, fltrd, ug/L (61640)	Disulf-oton sulf-oxide, water, fltrd, ug/L (61641)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	Diuron, water, fltrd 0.7u GF ug/L (49300)	e-Di-metho-morph, water, fltrd, ug/L (79844)
SEP 24...	<.003	<.005	<.01	<.01	<.005	<.006mc	<.01	<.03	<.02	<.002mc	<.02	<.01	<.02

Date	Endo-sulfan ether, water, fltrd, ug/L (61642)	Endo-sulfan sulfate water, fltrd, ug/L (61590)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)	Fen-thion sulf-oxide, water, fltrd, ug/L (61647)	Fen-thion, water, fltrd, ug/L (38801)	Fenuron water, fltrd 0.7u GF ug/L (49297)
SEP 24...	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02	<.03

SURFICIAL AQUIFER
2003 Water Year

312241084244401 Site Name. —10K007---continued.

Date	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Flume-tralin, water, fltrd, ug/L (61592)	Flumet-sulam, water, fltrd, ug/L (61694)	Fluo-meturon water fltrd 0.7u GF ug/L (38811)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Glufo-sinate, water, fltrd 0.7u GF ug/L (62721)	Glypho-sate, water, fltrd 0.7u GF ug/L (62722)	Hexa-zinone, water, fltrd, ug/L (04025)	Imaza-quin, water, fltrd, ug/L (50356)
SEP 24...	<.009	<.005	<.005	<.007	<.004	<.01	<.03	<.002mc	<.003	<.1	<.1	<.013	<.02

Date	Imaze-thapyr, water, fltrd, ug/L (50407)	Imida-cloprid water, fltrd, ug/L (61695)	Ipro-dione, water, fltrd, ug/L (61593)	Isofen-phos, water, fltrd, ug/L (61594)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (38478)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala-oxon, water, fltrd, ug/L (61652)	Mala-thion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Meta-laxyl, water, fltrd, ug/L (50359)	Meta-laxyl, water, fltrd, ug/L (61596)
SEP 24...	<.02	<.007	<1mc	<.003	<.004	<.01	<.035	<.008	E.006t	<.02	<.01	<.02	<.005

Date	Methi-althion water, fltrd, ug/L (61598)	Methio-carb, water, fltrd 0.7u GF ug/L (38501)	Meth-omyl, water, fltrd 0.7u GF ug/L (49296)	c-Per-methric acid methyl ester, wat flt ug/L (79842)	Methyl para-oxon, water, fltrd, ug/L (61664)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	t-Per-methric acid methyl ester, wat flt ug/L (79843)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Metsul-furon, water, fltrd, ug/L (61697)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Myclo-butanil water, fltrd, ug/L (61599)	N-(4-Chloro-phenyl) -N'-methyl-urea, ug/L (61692)
SEP 24...	<.006	<.008	<.004	<.04	<.03mc	<.006	<.03	E.005t	<.006	<.03	<.002	<.008	<.02

Date	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nico-sul-furon, water, fltrd, ug/L (50364)	Norflur azon, water, fltrd 0.7u GF ug/L (49293)	O-Et-O-Me-S-Pr -phos-phoro-thioate wat flt ug/L (61660)	Ory-zalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	Oxy-fluor-fen, water, fltrd, ug/L (61600)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-oxon, water, fltrd, ug/L (61663)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)
SEP 24...	<.007	<.01	<.01	<.02	<.008	<.02	<.01	<.007	<.003	<.008	<.010	<.004	<.022

Date	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Phoste-bupirim water, fltrd, ug/L (61602)	Pic-loram, water, fltrd 0.7u GF ug/L (49291)	Pro-fenofos water, fltrd, ug/L (61603)	Prome-ton, water, fltrd, ug/L (04037)	Prome-tryn, water, fltrd, ug/L (04036)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)
SEP 24...	<.10mc	<.011	<.06mc	<.008mc	<.005	<.02	<.006	<.01	<.005	<.004	<.010	<.011	<.02

Date	Propet-amphos, water, fltrd, ug/L (61604)	Propham water fltrd 0.7u GF ug/L (49236)	Propi-cona-zole, water, fltrd, ug/L (50471)	Pro-poxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Sima-zine, water, fltrd, ug/L (04035)	Sulfo-met-ruron, water, fltrd, ug/L (50337)	Sulfo-tepp, water, fltrd, ug/L (61605)	Sulpro-fos, water, fltrd, ug/L (38716)	Tebu-pirim-phos oxon, water, fltrd, ug/L (61669)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Teflu-thrin, water, fltrd, ug/L (61606)	Teme-phos, water, fltrd, ug/L (61607)
SEP 24...	<.004	<.010	<.02	<.008	<.02	<.005	<.009	<.003mc	<.02mc	<.006	<.02	<.008mc	<.3mc

312241084244401 Site Name. —10K007---continued.

Date	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbacil, water, fltrd, ug/L (04032)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	trans-Propiconazole, water, fltrd, ug/L (79847)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Tribenuron water, fltrd, ug/L (61159)	Tribuphos, water, fltrd, ug/L (61610)	Triclopyr, water, fltrd 0.7u GF ug/L (49235)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	z-Dimethomorph, water, fltrd, ug/L (79845)
SEP 24...	<.034	<.010	<.07	<.02	<.01	<.005	<.01	<.002	--u	<.004mc	<.02	<.009	<.05

Date	Dichlorvos, water fltrd, ug/L (38775)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sampling condition, code (72006)
SEP 24...	<.01mc	<.02	15.00	4040	8.00

Remark codes used in this report:
   < -- Less than
   E -- Estimated value

Value qualifier codes used in this report:
   c -- See laboratory comment
   m -- Highly var comp using method, ? prec
   n -- Below the NDV
   t -- Below the long-term MDL

Null value qualifier codes used in this report:
   u -- Unable to determine-matrix interference

SURFICIAL AQUIFER
2003 Water Year

304450084402801 Site Name. —08D092

LOCATION.—Lat 30°44’50”, long 84°40’28”, referenced to North American Datum (NAD) of 1927, Decatur County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---September to November 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
AUG 28...	1200	1028	80020	19.44	110	48.5	4040	6.3	761	6.5	77	4.5	59

Date	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
AUG 28...	23.4	15	1.99	2.40	.17	.2	2.00	22	.03	4.16	<.2	6.05	<.2

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)
AUG 28...	28	<.10	<.04	3.91	<.008	<.02	E.2n	93	<.30	<.3	29	.12	7

Date	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)
AUG 28...	E.04n	2.0	1.16	1.2	12	.45	.5	108	<.3	1.89	<.5	<.20	26.0

Date	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	1,4-Naphthoquinone, water, fltrd, ug/L (61611)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2-(4-t-Butylphenoxy)cyclohexanol wat flt ug/L (61637)	2,4-D water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	2,5-Dichloroaniline water, fltrd, ug/L (61614)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Amino-N-isopropylbenzamide, wat flt ug/L (61617)
AUG 28...	<.04	E.1n	4	<.05mc	--u	<.01	<.009	<.02	<.02	<.03	<.006	<.1	<.005

304450084402801 Site Name. —08D092---continued.

Date	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	OIET, water, fltrd, ug/L (50355)	3-(Trifluoromethyl) aniline water, fltrd, ug/L (61630)	3,4-Dichloroaniline water fltrd, ug/L (61625)	3,5-Dichloroaniline water, fltrd, ug/L (61627)	3-Hydroxy carbofuran, wat flt 0.7u GF ug/L (49308)	3-Phenoxybenzyl alcohol water, fltrd, ug/L (61629)	4-(MeOH)-pendimethalin, wat flt ug/L (61665)	4,4'-Dichlorobenzophenone, wat flt ug/L (61631)	4Chlorophenylmethyl sulfone water, fltrd, ug/L (61634)
AUG 28...	.273	<.006	<.04	<.004mc	<.008	<.01mc	<.004	<.005	<.006	--u	--u	<.003mc	<.03mc

Date	Acetochlor, water, fltrd, ug/L (49260)	Acifluorfen, water, fltrd 0.7u GF ug/L (49315)	Alachlor, water, fltrd, ug/L (46342)	Aldicarb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldicarb sulfoxide, wat flt 0.7u GF ug/L (49314)	Aldicarb, water, fltrd 0.7u GF ug/L (49312)	alpha-Endosulfan, water, fltrd, ug/L (34362)	alpha-HCH, water, fltrd, ug/L (34253)	Aminomethylphosphonic acid, wat flt ug/L (62649)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl oxon, water, fltrd, ug/L (61635)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Bendiocarb, water, fltrd, ug/L (50299)
AUG 28...	<.006	<.007	1.17	<.02	<.008	<.04	<.005	<.005	<.1	<.007	<.02mc	<.050	<.03

Date	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Benomyl water, fltrd, ug/L (50300)	Bensulfuron, water, fltrd, ug/L (61693)	Bentazon, water, fltrd 0.7u GF ug/L (38711)	beta-Endosulfan, water, fltrd, ug/L (34357)	Bifenthrin, water, fltrd, ug/L (61580)	Bromacil, water, fltrd, ug/L (04029)	Bromoxynil, water, fltrd 0.7u GF ug/L (49311)	Caffeine, water, fltrd, ug/L (50305)	Carbaryl, water, fltrd 0.7u GF ug/L (49310)	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chloramben methyl ester, water, fltrd, ug/L (61188)
AUG 28...	<.010	<.004	<.02	E.01	<.01mc	<.005mc	E.21	<.02	<.010	<.03	<.006	<.020	<.02

Date	Chlorimuron, water, fltrd, ug/L (50306)	Chlorodiamino-s-triazine, wat flt ug/L (04039)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	cis-Propiconazole, water, fltrd, ug/L (79846)	Cycloate, water, fltrd, ug/L (04031)	Cyfluthrin, water, fltrd, ug/L (61585)	Cyhalothrin, water, fltrd, ug/L (61595)	Cypermethrin water, fltrd, ug/L (61586)	Dacthal monoacid, water, fltrd 0.7u GF ug/L (49304)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dicamba water fltrd 0.7u GF ug/L (38442)
AUG 28...	<.010	<.01	<.06mc	<.006	<.008	<.005	<.008mc	<.009	<.009mc	<.01	<.003	<.005	<.01

Date	Dichlorprop, water, fltrd 0.7u GF ug/L (49302)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphenamid, water, fltrd, ug/L (04033)	Disulfoton sulfone water, fltrd, ug/L (61640)	Disulfoton sulfoxide, water, fltrd, ug/L (61641)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	Diuron, water, fltrd 0.7u GF ug/L (49300)	e-Dimethomorph, water, fltrd, ug/L (79844)	Endosulfan ether, water, fltrd, ug/L (61642)	Endosulfan sulfate water, fltrd, ug/L (61590)	EPTC, water, fltrd 0.7u GF ug/L (82668)
AUG 28...	<.01	<.005	<.006mc	E1.93	<.03	<.02	<.002mc	<.02	<.01	<.02	<.004	<.006	.005

Date	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Fenthion sulfoxide, water, fltrd, ug/L (61647)	Fenthion, water, fltrd, ug/L (38801)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulfinylfipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)
AUG 28...	E.005n	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02	<.07	<.009	<.005	<.005

304450084402801 Site Name. —08D092---continued.

Date	Fipronil, water, fltrd, ug/L (62166)	Flumetralin, water, fltrd, ug/L (61592)	Flumetsulam, water, fltrd, ug/L (61694)	Fluometuron water fltrd 0.7u GF ug/L (38811)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Glufosinate, water, fltrd 0.7u GF ug/L (62721)	Glyphosate, water, fltrd 0.7u GF ug/L (62722)	Hexazinone, water, fltrd, ug/L (04025)	Imazaquin, water, fltrd, ug/L (50356)	Imazethapyr, water, fltrd, ug/L (50407)	Imidacloprid water, fltrd, ug/L (61695)	Iprodione, water, fltrd, ug/L (61593)
AUG 28...	<.007	<.004	<.01	<.03	<.002mc	<.003	<.1	<.1	<.013	<.02	<.02	<.007	<1mc

Date	Isofenphos, water, fltrd, ug/L (61594)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (38478)	Linuron water fltrd 0.7u GF ug/L (82666)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Metalaxyl, water, fltrd, ug/L (50359)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methiocarb, water, fltrd 0.7u GF ug/L (38501)	Methomyl, water, fltrd 0.7u GF ug/L (49296)
AUG 28...	<.003	<.004	<.01	<.035	<.008	<.027	<.02	<.01	E.01	<.005	<.006	<.008	<.004

Date	c-Permethric acid methyl ester, wat flt ug/L (79842)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	t-Permethric acid methyl ester, wat flt ug/L (79843)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Metsulfuron, water, fltrd, ug/L (61697)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Myclobutanil water, fltrd, ug/L (61599)	N-(4-Chlorophenyl) -N'-methylurea, ug/L (61692)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nicosulfuron, water, fltrd, ug/L (50364)
AUG 28...	<.04	<.03mc	<.006	<.03	16.1	<.006	<.03	<.002	<.008	<.02	<.007	<.01	<.01

Date	Norflurazon, water, fltrd 0.7u GF ug/L (49293)	O-Et-O-Me-S-Pr -phosphorothioate wat flt ug/L (61660)	Oryzalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	Oxyfluorfen, water, fltrd, ug/L (61600)	p,p'-DDE, water, fltrd, ug/L (34653)	Paraoxon, water, fltrd, ug/L (61663)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)
AUG 28...	E.01	<.008	E.03	<.01	<.007	<.003	<.008	<.010	.017	<.022	<.10mc	<.011	<.06mc

Date	Phosmet water, fltrd, ug/L (61601)	Phostebupirim water, fltrd, ug/L (61602)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Profenofos water, fltrd, ug/L (61603)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Propetamphos, water, fltrd, ug/L (61604)	Propham water fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)
AUG 28...	<.008mc	<.005	<.02	<.006	<.01	<.005	<.004	<.010	<.011	<.02	<.004	<.010	<.02

Date	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Simazine, water, fltrd, ug/L (04035)	Sulfometruron, water, fltrd, ug/L (50337)	Sulfotepp, water, fltrd, ug/L (61605)	Sulprofos, water, fltrd, ug/L (38716)	Tebupirimphos oxon, water, fltrd, ug/L (61669)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Tefluthrin, water, fltrd, ug/L (61606)	Temephos, water, fltrd, ug/L (61607)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbacil, water, fltrd, ug/L (04032)	Terbufos oxon sulfone water, fltrd, ug/L (61674)
AUG 28...	<.008	<.02	<.005	<.009	<.003mc	<.02mc	<.006	<.02	<.008mc	<.3mc	<.034	<.010	<.07

304450084402801 Site Name. —08D092---continued.

Date	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Ter-buthyl-azine, water, fltrd, ug/L (04022)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	trans-Propi-cona-zole, water, fltrd, ug/L (79847)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-benuron water, fltrd, ug/L (61159)	Tribu-phos, water, fltrd, ug/L (61610)	Tri-clopyr, water, fltrd 0.7u GF ug/L (49235)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	z-Di-metho-morph, water, fltrd, ug/L (79845)	Di-chlor-vos, water fltrd, ug/L (38775)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)
AUG 28...	<.02	<.01	<.005	<.01	<.002	--u	<.004mc	<.02	<.009	<.05	<.01mc	E.01n	15.00

Date	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
AUG 28...	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
c -- See laboratory comment
m -- Highly var comp using method, ? prec
n -- Below the NDV

Null value qualifier codes used in this report:
u -- Unable to determine-matrix interference

SURFICIAL AQUIFER
2003 Water Year

311707084433302 Site Name. —08J017

LOCATION.—Lat 31°16’56”, long 84°44’07”, referenced to North American Datum (NAD) of 1983, Early County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---September to November 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
SEP 03...	1400	1028	80020	9.42	250	36.5	4040	14	763	5.3	63	5.5	43

Date	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
SEP 03...	24.2	12	4.22	.283	.16	.4	3.07	36	18	21	E.01n	2.22	<.2

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)
SEP 03...	5.46	1.1	27	33	<.10	<.04	.07	<.008	<.02	E.2n	Mn	<.30	<.3

Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
SEP 03...	7	<.06	11	.22	E.6n	.16	5.8	E4n	.40	E.3n	14.6	<.3	1.28

Date	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	1,4-Naphthoquinone, water, fltrd, ug/L (61611)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2-(4-t-Butylphenoxy)cyclohexanol wat flt ug/L (61637)	2,4-D water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	2,5-Dichloroaniline water, fltrd, ug/L (61614)
SEP 03...	<.5	<.20	4.65	E.03n	E.1n	2	<.05mc	<.09mc	<.01	<.009	<.02	<.02	<.03

311707084433302 Site Name. —08J017---continued.

Date	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Amino-N-iso-propyl-benz-amide, wat flt ug/L (61617)	2Chloro-2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)	OIET, water, fltrd, ug/L (50355)	3-(Tri-fluoro-methyl) aniline water, fltrd, ug/L (61630)	3,4-Di-chloro-aniline water fltrd, ug/L (61625)	3,5-Di-chloro-aniline water, fltrd, ug/L (61627)	3-Hydroxy carbo-furan, wat flt 0.7u GF ug/L (49308)	3-Phen-oxy-benzyl alcohol water, fltrd, ug/L (61629)
SEP 03...	<.006	<.1	<.005	<.005	E.008	<.04	<.004mc	<.008	<.01mc	<.004	<.005	<.006	--u

Date	4-(MeOH)-pendi-meth-alin, wat flt ug/L (61665)	4,4'-Di chloro-benzo-phen-one, wat flt ug/L (61631)	4Chloro phenyl-methyl sulfone water, fltrd, ug/L (61634)	Aceto-chlor, water, fltrd, ug/L (49260)	Aci-fluor-fen, water, fltrd 0.7u GF ug/L (49315)	Ala-chlor, water, fltrd, ug/L (46342)	Aldi-carb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldi-carb sulf-oxide, wat flt 0.7u GF ug/L (49314)	Aldi-carb, water, fltrd 0.7u GF ug/L (49312)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	alpha-HCH, water, fltrd, ug/L (34253)	Amino-methyl-phos-phonic acid, wat flt ug/L (62649)	Atra-zine, water, fltrd, ug/L (39632)
SEP 03...	--u	<.003mc	<.03mc	<.006	<.007	.008	<.02	<.008	<.04	<.005	<.005	<.1	.008

Date	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Bendio-carb, water, fltrd, ug/L (50299)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Benomyl water, fltrd, ug/L (50300)	Bensul-furon, water, fltrd, ug/L (61693)	Ben-tazon, water, fltrd 0.7u GF ug/L (38711)	beta-Endo-sulfan, water, fltrd, ug/L (34357)	Bifen-thrin, water, fltrd, ug/L (61580)	Broma-cil, water, fltrd, ug/L (04029)	Brom-oxynil, water, fltrd 0.7u GF ug/L (49311)	Caf-feine, water, fltrd, ug/L (50305)	Car-baryl, water, fltrd 0.7u GF ug/L (49310)
SEP 03...	<.02mc	<.050	<.03	<.010	<.004	<.02	<.01	<.01mc	<.005mc	<.03	<.02	.010	<.03

Date	Carbo-furan, water, fltrd 0.7u GF ug/L (49309)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Chlor-amben methyl ester, water, fltrd, ug/L (61188)	Chlori-muron, water, fltrd, ug/L (50306)	Chloro-di-amino-s-tri-azine, wat flt ug/L (04039)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	cis-Propi-cona-zole, water, fltrd, ug/L (79846)	Cyclo-ate, water, fltrd, ug/L (04031)	Cyflu-thrin, water, fltrd, ug/L (61585)	Cyhalo-thrin, water, fltrd, ug/L (61595)	Cyper-methrin water, fltrd, ug/L (61586)	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)
SEP 03...	<.006	<.020	<.02	<.010	<.01	<.06mc	<.006	<.008	<.005	<.008mc	<.009	<.009mc	<.01

Date	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Dicamba water fltrd 0.7u GF ug/L (38442)	Di-chlor-prop, water, fltrd 0.7u GF ug/L (49302)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd 0.7u GF ug/L (82662)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphen-amid, water, fltrd, ug/L (04033)	Disulf-oton sulfone water, fltrd, ug/L (61640)	Disulf-oton sulf-oxide, water, fltrd, ug/L (61641)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	Diuron, water, fltrd 0.7u GF ug/L (49300)	e-Di-metho-morph, water, fltrd, ug/L (79844)
SEP 03...	<.003	<.005	<.01	<.01	<.005	<.006mc	<.01	<.03	<.02	<.002mc	<.02	<.01	<.02

Date	Endo-sulfan ether, water, fltrd, ug/L (61642)	Endo-sulfan sulfate water, fltrd, ug/L (61590)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)	Fen-thion sulf-oxide, water, fltrd, ug/L (61647)	Fen-thion, water, fltrd, ug/L (38801)	Fenuron water, fltrd 0.7u GF ug/L (49297)
SEP 03...	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02	<.03

311707084433302 Site Name. —08J017---continued.

Date	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Flumetralin, water, fltrd, ug/L (61592)	Flumetsulam, water, fltrd, ug/L (61694)	Fluometuron water fltrd 0.7u GF ug/L (38811)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Glufosinate, water, fltrd 0.7u GF ug/L (62721)	Glyphosate, water, fltrd 0.7u GF ug/L (62722)	Hexazinone, water, fltrd, ug/L (04025)	Imazaquin, water, fltrd, ug/L (50356)
SEP 03...	<.009	<.005	<.005	<.007	<.004	<.01	<.03	<.002mc	<.003	<.1	<.1	<.013	<.02

Date	Imazethapyr, water, fltrd, ug/L (50407)	Imidacloprid water, fltrd, ug/L (61695)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (38478)	Linuron water fltrd 0.7u GF ug/L (82666)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Metalaxyl, water, fltrd, ug/L (50359)	Metalaxyl, water, fltrd, ug/L (61596)
SEP 03...	<.02	<.007	<1mc	<.003	<.004	<.01	<.035	<.008	<.027	<.02	<.01	<.02	<.005

Date	Methialthion water, fltrd, ug/L (61598)	Methiocarb, water, fltrd 0.7u GF ug/L (38501)	Methomyl, water, fltrd 0.7u GF ug/L (49296)	c-Permethric acid methyl ester, wat flt ug/L (79842)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	t-Permethric acid methyl ester, wat flt ug/L (79843)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Metsulfuron, water, fltrd, ug/L (61697)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Myclobutanil water, fltrd, ug/L (61599)	N-(4-Chlorophenyl) -N'-methylurea, ug/L (61692)
SEP 03...	<.006	<.008	<.004	<.04	<.03mc	<.006	<.03	E.006n	<.006	<.03	<.002	<.008	<.02

Date	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nicosulfuron, water, fltrd, ug/L (50364)	Norflurazon, water, fltrd 0.7u GF ug/L (49293)	O-Et-O-Me-S-Pr-phosphorothioate wat flt ug/L (61660)	Oryzalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	Oxyfluorfen, water, fltrd, ug/L (61600)	p,p'-DDE, water, fltrd, ug/L (34653)	Paraoxon, water, fltrd, ug/L (61663)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)
SEP 03...	<.007	<.01	<.01	<.02	<.008	<.02	<.01	<.007	<.003	<.008	<.010	<.004	<.022

Date	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Phostebupirim water, fltrd, ug/L (61602)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Profenofos water, fltrd, ug/L (61603)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)
SEP 03...	<.10mc	<.011	<.06mc	<.008mc	<.005	<.02	<.006	<.01	<.005	<.004	<.010	<.011	<.02

Date	Propetamphos, water, fltrd, ug/L (61604)	Propham water fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Simazine, water, fltrd, ug/L (04035)	Sulfometruron, water, fltrd, ug/L (50337)	Sulfotepp, water, fltrd, ug/L (61605)	Sulprofos, water, fltrd, ug/L (38716)	Tebupirimphos oxon, water, fltrd, ug/L (61669)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Tefluthrin, water, fltrd, ug/L (61606)	Temephos, water, fltrd, ug/L (61607)
SEP 03...	<.004	<.010	<.02	<.008	<.02	<.005	<.009	<.003mc	<.02mc	<.006	<.02	<.008mc	<.3mc

311707084433302 Site Name. —08J017---continued.

Date	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbacil, water, fltrd, ug/L (04032)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	trans-Propiconazole, water, fltrd, ug/L (79847)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Tribenuron water, fltrd, ug/L (61159)	Tribuphos, water, fltrd, ug/L (61610)	Triclopyr, water, fltrd 0.7u GF ug/L (49235)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	z-Dimethomorph, water, fltrd, ug/L (79845)
SEP 03...	<.034	<.010	<.07	<.02	<.01	<.005	<.01	<.002	--u	<.004mc	<.02	<.009	<.05

Date	Dichlorvos, water fltrd, ug/L (38775)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sampling condition, code (72006)
SEP 03...	<.01mc	E.01n	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
c -- See laboratory comment
m -- Highly var comp using method, ? prec
n -- Below the NDV

Null value qualifier codes used in this report:
u -- Unable to determine-matrix interference

SURFICIAL AQUIFER
2003 Water Year

314727084043502 Site Name. —13N012

LOCATION.—Lat 31°47’21”, long 84°04’26”, referenced to North American Datum (NAD) of 1927, Lee County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---September to November 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
SEP 25...	1700	1028	80020	6.52	70	12.0	4040	16	758	4.6	55	6.5	408

Date	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
SEP 25...	24.1	240	90.1	2.65	.27	.4	13.4	11	265	323	<.02	2.73	.2

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)
SEP 25...	5.72	2.6	277	282	E.06n	<.04	E.04n	<.008	<.02	1.3	5	<.30	<.3

Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
SEP 25...	49	<.06	<7	.04	1.5	.36	1.3	18	E.06n	<.5	11.9	.5	4.84

Date	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	1,4-Naphthoquinone, water, fltrd, ug/L (61611)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2-(4-t-Butylphenoxy)cyclohexanol wat flt ug/L (61637)	2,4-D water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	2,5-Dichloroaniline water, fltrd, ug/L (61614)
SEP 25...	E.3n	<.20	97.6	E.02n	3.6	Mn	Mmc	--u	<.01	<.009	<.02	<.02mc	<.03

314727084043502 Site Name. —13N012—continued.

Date	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)-amino]propan-1-ol, ug/L (61615)	2Amino-N-iso-propyl-benz-amide, wat flt ug/L (61617)	2Chloro-2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)	OIET, water, fltrd, ug/L (50355)	3-(Tri-fluoro-methyl) aniline water, fltrd, ug/L (61630)	3,4-Di-chloro-aniline water fltrd, ug/L (61625)	3,5-Di-chloro-aniline water, fltrd, ug/L (61627)	3-Hydroxy carbo-furan, wat flt 0.7u GF ug/L (49308)	3-Phen-oxy-benzyl alcohol water, fltrd, ug/L (61629)
SEP 25...	<.006	<.1	<.005	<.005	<.006	<.04mc	<.004mc	<.008mc	<.01mc	<.004	<.005	<.006	--u

Date	4-(MeOH)-pendi-meth-alin, wat flt ug/L (61665)	4,4'-Di chloro-benzo-phen-one, wat flt ug/L (61631)	4Chloro phenyl-methyl sulfone water, fltrd, ug/L (61634)	Aceto-chlor, water, fltrd, ug/L (49260)	Aci-fluor-fen, water, fltrd 0.7u GF ug/L (49315)	Ala-chlor, water, fltrd, ug/L (46342)	Aldi-carb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldi-carb sulf-oxide, wat flt 0.7u GF ug/L (49314)	Aldi-carb, water, fltrd 0.7u GF ug/L (49312)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	alpha-HCH, water, fltrd, ug/L (34253)	Amino-methyl-phos-phonic acid, wat flt ug/L (62649)	Atra-zine, water, fltrd, ug/L (39632)
SEP 25...	--u	<.003mc	<.03mc	<.030	<.007	<.020	<.02mc	<.008mc	<.04mc	<.005	<.005	<.1	<.007

Date	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Bendio-carb, water, fltrd, ug/L (50299)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Benomyl water, fltrd, ug/L (50300)	Bensul-furon, water, fltrd, ug/L (61693)	Ben-tazon, water, fltrd 0.7u GF ug/L (38711)	beta-Endo-sulfan, water, fltrd, ug/L (34357)	Bifen-thrin, water, fltrd, ug/L (61580)	Broma-cil, water, fltrd, ug/L (04029)	Brom-oxynil, water, fltrd 0.7u GF ug/L (49311)	Caf-feine, water, fltrd, ug/L (50305)	Car-baryl, water, fltrd 0.7u GF ug/L (49310)
SEP 25...	<.02mc	<.050	<.03	<.010	<.004	<.02	<.01mc	<.01mc	<.005mc	<.03mc	<.02mc	<.010	<.03

Date	Carbo-furan, water, fltrd 0.7u GF ug/L (49309)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Chlor-amben methyl ester, water, fltrd, ug/L (61188)	Chlori-muron, water, fltrd, ug/L (50306)	Chloro-di-amino-s-tri-azine, wat flt ug/L (04039)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	cis-Propi-cona-zole, water, fltrd, ug/L (79846)	Cyclo-ate, water, fltrd, ug/L (04031)	Cyflu-thrin, water, fltrd, ug/L (61585)	Cyhalo-thrin, water, fltrd, ug/L (61595)	Cyper-methrin water, fltrd, ug/L (61586)	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)
SEP 25...	<.006	<.020	<.02mc	<.010	<.01mc	<.06mc	<.006	<.008	<.005	<.008mc	<.009	<.009mc	<.01

Date	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Dicamba water fltrd 0.7u GF ug/L (38442)	Di-chlor-prop, water, fltrd 0.7u GF ug/L (49302)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd 0.7u GF ug/L (82662)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphen-amid, water, fltrd, ug/L (04033)	Disulf-oton sulfone water, fltrd, ug/L (61640)	Disulf-oton sulf-oxide, water, fltrd, ug/L (61641)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	Diuron, water, fltrd 0.7u GF ug/L (49300)	e-Di-metho-morph, water, fltrd, ug/L (79844)
SEP 25...	<.003	<.005	<.01	<.01	<.005	<.006mc	<.01	<.03	<.02	<.002mc	<.02	<.01	<.02

Date	Endo-sulfan ether, water, fltrd, ug/L (61642)	Endo-sulfan sulfate water, fltrd, ug/L (61590)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)	Fen-thion sulf-oxide, water, fltrd, ug/L (61647)	Fen-thion, water, fltrd, ug/L (38801)	Fenuron water, fltrd 0.7u GF ug/L (49297)
SEP 25...	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02	<.03

314727084043502 Site Name. —13N012—continued.

Date	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Flumetralin, water, fltrd, ug/L (61592)	Flumetsulam, water, fltrd, ug/L (61694)	Fluometuron water fltrd 0.7u GF ug/L (38811)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Glufosinate, water, fltrd 0.7u GF ug/L (62721)	Glyphosate, water, fltrd 0.7u GF ug/L (62722)	Hexazinone, water, fltrd, ug/L (04025)	Imazaquin, water, fltrd, ug/L (50356)
SEP 25...	<.009	<.005	<.005	<.007	<.004	<.01mc	<.03	<.002mc	<.003	<.1	<.1	<.013	<.02mc

Date	Imazethapyr, water, fltrd, ug/L (50407)	Imidacloprid water, fltrd, ug/L (61695)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (38478)	Linuron water fltrd 0.7u GF ug/L (82666)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Metalaxyl, water, fltrd, ug/L (50359)	Metalaxyl, water, fltrd, ug/L (61596)
SEP 25...	<.02mc	<.007	<1mc	<.003	<.004	<.01	<.035	<.008	<.027	<.02	<.01mc	<.02	<.005

Date	Methialthion water, fltrd, ug/L (61598)	Methiocarb, water, fltrd 0.7u GF ug/L (38501)	Methomyl, water, fltrd 0.7u GF ug/L (49296)	c-Permethric acid methyl ester, wat flt ug/L (79842)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	t-Permethric acid methyl ester, wat flt ug/L (79843)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Metsulfuron, water, fltrd, ug/L (61697)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Myclobutanil water, fltrd, ug/L (61599)	N-(4-Chlorophenyl) -N'-methylurea, ug/L (61692)
SEP 25...	<.006	<.008mc	<.004mc	<.04	<.03mc	<.006	<.03	<.013	<.500	<.03mc	<.002	<.008	<.02

Date	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nicosulfuron, water, fltrd, ug/L (50364)	Norflurazon, water, fltrd 0.7u GF ug/L (49293)	O-Et-O-Me-S-Pr -phosphorothioate wat flt ug/L (61660)	Oryzalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	Oxyfluorfen, water, fltrd, ug/L (61600)	p,p'-DDE, water, fltrd, ug/L (34653)	Paraoxon, water, fltrd, ug/L (61663)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)
SEP 25...	<.007	<.01	<.01	<.02mc	<.008	<.02	<.01	<.007	<.003	<.008	<.010	<.004	<.022

Date	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Phostebupirim water, fltrd, ug/L (61602)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Profenofos water, fltrd, ug/L (61603)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)
SEP 25...	<.10mc	<.011	<.06mc	<.008mc	<.005	<.02	<.006	<.01	<.005	<.004	<.010	<.011	<.02

Date	Propetamphos, water, fltrd, ug/L (61604)	Propham water fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Simazine, water, fltrd, ug/L (04035)	Sulfometruron, water, fltrd, ug/L (50337)	Sulfotepp, water, fltrd, ug/L (61605)	Sulprofos, water, fltrd, ug/L (38716)	Tebupirimphos oxon, water, fltrd, ug/L (61669)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Teflubthrin, water, fltrd, ug/L (61606)	Temephos, water, fltrd, ug/L (61607)
SEP 25...	<.004	<.010	<.02	<.008	<.02	<.005	<.009	<.003mc	<.02mc	<.006	<.02	<.008mc	<.3mc

314727084043502 Site Name. —13N012—continued.

Date	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbacil, water, fltrd, ug/L (04032)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	trans-Propiconazole, water, fltrd, ug/L (79847)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Tribenuron water, fltrd, ug/L (61159)	Tribuphos, water, fltrd, ug/L (61610)	Triclopyr, water, fltrd 0.7u GF ug/L (49235)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	z-Dimethomorph, water, fltrd, ug/L (79845)
SEP 25...	<.034	<.010mc	<.07	<.02	<.01	<.005	<.01	<.002	--u	<.004mc	<.02	<.009	<.05

Date	Dichlorvos, water fltrd, ug/L (38775)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sampling condition, code (72006)
SEP 25...	<.01mc	.94	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
c -- See laboratory comment
m -- Highly var comp using method, ? prec
n -- Below the NDV

Null value qualifier codes used in this report:
u -- Unable to determine-matrix interference

SURFICIAL AQUIFER
2003 Water Year

315237084023402 Site Name. —13P013

LOCATION.—Lat 31°16’56”, long 84°02’33”, referenced to North American Datum (NAD) of 1927, Lee County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---September to November 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
SEP 02...	1700	1028	80020	3.61	112	21.5	4040	3.4	760	6.1	72	7.2	292

Date	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
SEP 02...	23.6	130	48.0	1.48	.33	.2	5.58	9	133	162	E.01n	7.61	<.2

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)
SEP 02...	7.38	1.2	156	160	<.10	<.04	.94	<.008	.02	E.2n	4	<.30	<.3

Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
SEP 02...	30	<.06	12	E.02n	E.7n	.12	1.1	<8	.15	<.5	.6	<.3	1.12

Date	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	1,4-Naphthoquinone, water, fltrd, ug/L (61611)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2-(4-t-Butylphenoxy)cyclohexanol wat flt ug/L (61637)	2,4-D water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	2,5-Dichloroaniline water, fltrd, ug/L (61614)
SEP 02...	<.5	<.20	60.0	E.02n	.8	<1	<.05mc	<.09mc	<.01	<.009	<.02	<.02	<.03

SURFICIAL AQUIFER
2003 Water Year

315237084023402 Site Name. —13P013---continued.

Date	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)-amino]propan-1-ol, ug/L (61615)	2Amino-N-iso-propyl-benz-amide, wat flt ug/L (61617)	2Chloro-2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)	OIET, water, fltrd, ug/L (50355)	3-(Tri-fluoro-methyl) aniline water, fltrd, ug/L (61630)	3,4-Di-chloro-aniline water fltrd ug/L (61625)	3,5-Di-chloro-aniline water, fltrd, ug/L (61627)	3-Hydroxy carbo-furan, wat flt 0.7u GF ug/L (49308)	3-Phen-oxy-benzyl alcohol water, fltrd, ug/L (61629)
SEP 02...	<.006	<.1	<.005	<.005	<.006	<.04	<.004mc	<.008	<.01mc	<.004	<.005	<.006	--u

Date	4-(MeOH)-pendi-meth-alin, wat flt ug/L (61665)	4,4'-Di chloro-benzo-phen-one, wat flt ug/L (61631)	4Chloro phenyl-methyl sulfone water, fltrd, ug/L (61634)	Aceto-chlor, water, fltrd, ug/L (49260)	Aci-fluor-fen, water, fltrd 0.7u GF ug/L (49315)	Ala-chlor, water, fltrd, ug/L (46342)	Aldi-carb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldi-carb sulf-oxide, wat flt 0.7u GF ug/L (49314)	Aldi-carb, water, fltrd 0.7u GF ug/L (49312)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	alpha-HCH, water, fltrd, ug/L (34253)	Amino-methyl-phos-phonic acid, wat flt ug/L (62649)	Atra-zine, water, fltrd, ug/L (39632)
SEP 02...	--u	<.003mc	<.03mc	<.006	<.007	<.004	<.02	<.008	<.04	<.005	<.005	<.1	<.007

Date	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Bendio-carb, water, fltrd, ug/L (50299)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Benomyl water, fltrd, ug/L (50300)	Bensul-furon, water, fltrd, ug/L (61693)	Ben-tazon, water, fltrd 0.7u GF ug/L (38711)	beta-Endo-sulfan, water, fltrd, ug/L (34357)	Bifen-thrin, water, fltrd, ug/L (61580)	Broma-cil, water, fltrd, ug/L (04029)	Brom-oxynil, water, fltrd 0.7u GF ug/L (49311)	Caf-feine, water, fltrd, ug/L (50305)	Car-baryl, water, fltrd 0.7u GF ug/L (49310)
SEP 02...	<.02mc	<.050	<.03	<.010	<.004	<.02	<.01	<.01mc	<.005mc	<.03	<.02	<.010	<.03

Date	Carbo-furan, water, fltrd 0.7u GF ug/L (49309)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Chlor-amben methyl ester, water, fltrd, ug/L (61188)	Chlori-muron, water, fltrd, ug/L (50306)	Chloro-di-amino-s-tri-azine, wat flt ug/L (04039)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	cis-Propi-cona-zole, water, fltrd, ug/L (79846)	Cyclo-ate, water, fltrd, ug/L (04031)	Cyflu-thrin, water, fltrd, ug/L (61585)	Cyhalo-thrin, water, fltrd, ug/L (61595)	Cyper-methrin water, fltrd, ug/L (61586)	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)
SEP 02...	<.006	<.020	<.02	<.010	<.01	<.06mc	<.006	<.008	<.005	<.008mc	<.009	<.009mc	<.01

Date	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Dicamba water fltrd 0.7u GF ug/L (38442)	Di-chlor-prop, water, fltrd 0.7u GF ug/L (49302)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd 0.7u GF ug/L (82662)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphen-amid, water, fltrd, ug/L (04033)	Disulf-oton sulfone water, fltrd, ug/L (61640)	Disulf-oton sulf-oxide, water, fltrd, ug/L (61641)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	Diuron, water, fltrd 0.7u GF ug/L (49300)	e-Di-metho-morph, water, fltrd, ug/L (79844)
SEP 02...	<.003	<.005	<.01	<.01	<.005	<.006mc	<.01	<.03	<.02	<.002mc	<.02	<.01	<.02

Date	Endo-sulfan ether, water, fltrd, ug/L (61642)	Endo-sulfan sulfate water, fltrd, ug/L (61590)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)	Fen-thion sulf-oxide, water, fltrd, ug/L (61647)	Fen-thion, water, fltrd, ug/L (38801)	Fenuron water, fltrd 0.7u GF ug/L (49297)
SEP 02...	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02	<.03

315237084023402 Site Name. —13P013---continued.

Date	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Flumetralin, water, fltrd, ug/L (61592)	Flumetsulam, water, fltrd, ug/L (61694)	Fluometuron water fltrd 0.7u GF ug/L (38811)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Glufosinate, water, fltrd 0.7u GF ug/L (62721)	Glyphosate, water, fltrd 0.7u GF ug/L (62722)	Hexazinone, water, fltrd, ug/L (04025)	Imazaquin, water, fltrd, ug/L (50356)
SEP 02...	<.009	<.005	<.005	<.007	<.004	<.01	<.03	<.002mc	<.003	<.1	<.1	<.013	<.02

Date	Imazethapyr, water, fltrd, ug/L (50407)	Imidacloprid water, fltrd, ug/L (61695)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (38478)	Linuron water fltrd 0.7u GF ug/L (82666)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Metalaxyl, water, fltrd, ug/L (50359)	Metalaxyl, water, fltrd, ug/L (61596)
SEP 02...	<.02	<.007	<1mc	<.003	<.004	<.01	<.035	<.008	<.027	<.02	<.01	<.02	<.005

Date	Methialthion water, fltrd, ug/L (61598)	Methiocarb, water, fltrd 0.7u GF ug/L (38501)	Methomyl, water, fltrd 0.7u GF ug/L (49296)	c-Permethric acid methyl ester, wat flt ug/L (79842)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	t-Permethric acid methyl ester, wat flt ug/L (79843)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Metsulfuron, water, fltrd, ug/L (61697)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Myclobutanil water, fltrd, ug/L (61599)	N-(4-Chlorophenyl) -N'-methylurea, ug/L (61692)
SEP 02...	<.006	<.008	<.004	<.04	<.03mc	<.006	<.03	<.013	<.006	<.03	<.002	<.008	<.02

Date	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nicosulfuron, water, fltrd, ug/L (50364)	Norflurazon, water, fltrd 0.7u GF ug/L (49293)	O-Et-O-Me-S-Pr -phosphorothioate wat flt ug/L (61660)	Oryzalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	Oxyfluorfen, water, fltrd, ug/L (61600)	p,p'-DDE, water, fltrd, ug/L (34653)	Paraoxon, water, fltrd, ug/L (61663)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)
SEP 02...	<.007	<.01	<.01	<.02	<.008	<.02	<.01	<.007	<.003	<.008	<.010	<.004	<.022

Date	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Phostebupirim water, fltrd, ug/L (61602)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Profenofos water, fltrd, ug/L (61603)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)
SEP 02...	<.10mc	<.011	<.06mc	<.008mc	<.005	<.02	<.006	<.01	<.005	<.004	<.010	<.011	<.02

Date	Propetamphos, water, fltrd, ug/L (61604)	Propham water fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Simazine, water, fltrd, ug/L (04035)	Sulfometruron, water, fltrd, ug/L (50337)	Sulfotepp, water, fltrd, ug/L (61605)	Sulprofos, water, fltrd, ug/L (38716)	Tebupirimphos oxon, water, fltrd, ug/L (61669)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Tefluthrin, water, fltrd, ug/L (61606)	Temephos, water, fltrd, ug/L (61607)
SEP 02...	<.004	<.010	<.02	<.008	<.02	<.005	<.009	<.003mc	<.02mc	<.006	3.58	<.008mc	<.3mc

315237084023402 Site Name. —13P013---continued.

Date	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbacil, water, fltrd, ug/L (04032)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	trans-Propiconazole, water, fltrd, ug/L (79847)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Tribenuron water, fltrd, ug/L (61159)	Tribuphos, water, fltrd, ug/L (61610)	Triclopyr, water, fltrd 0.7u GF ug/L (49235)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	z-Dimethomorph, water, fltrd, ug/L (79845)
SEP 02...	<.034	<.010	<.07	<.02	<.01	<.005	<.01	<.002	--u	<.004mc	<.02	<.009	<.05

Date	Dichlorvos, water fltrd, ug/L (38775)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sampling condition, code (72006)
SEP 02...	<.01mc	.39	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
c -- See laboratory comment
m -- Highly var comp using method, ? prec
n -- Below the NDV

Null value qualifier codes used in this report:
u -- Unable to determine-matrix interference

SURFICIAL AQUIFER
2003 Water Year

310604084351901 Site Name. —09G011

LOCATION.—Lat 31°06’04”, long 84°35’19”, referenced to North American Datum (NAD) of 1983, Miller County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---August 1993, and September to November 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
SEP 24...	1500	1028	80020	24.15	85	24.5	4040	5.3	764	7.4	87	7.4	358

Date	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)
SEP 24...	23.6	170	57	61.5	3.43	.89	.1	3.08	4	111	135	E.04	9.66

Date	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)
SEP 24...	<.2	6.27	1.2	209	218	E.06n	<.04	12.7d	<.008	<.02	E.2n	E1n	<.30

Date	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)
SEP 24...	<.3	19	.09	8	.04	1.8	.14	1.0	<8	.13	<.5	.3	<.3

Date	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	1,4-Naphthoquinone, water, fltrd, ug/L (61611)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2-(4-t-Butylphenoxy)cyclohexanol wat flt ug/L (61637)	2,4-D water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)
SEP 24...	1.22	<.5	<.20	61.3	E.04n	1.2	<1	<.05mc	<.09mc	<.01	<.009	<.02	<.02

310604084351901 Site Name. —09G011---continued.

Date	2,5-Di-chloro-aniline water, fltrd, ug/L (61614)	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino] propan-1-ol, ug/L (61615)	2Amino-N-iso-propyl-benz-amide, wat flt ug/L (61617)	2Chloro-2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)	OIET, water, fltrd, ug/L (50355)	3-(Tri-fluoro-methyl) aniline water, fltrd, ug/L (61630)	3,4-Di-chloro-aniline water fltrd, ug/L (61625)	3,5-Di-chloro-aniline water, fltrd, ug/L (61627)	3-Hydroxy carbo-furan, wat flt 0.7u GF ug/L (49308)
SEP 24...	<.03	E.001t	<.1	<.005	<.005	<.006	<.04	<.004mc	<.008	<.01mc	<.004	<.005	<.006

Date	3-Phen-oxy-benzyl alcohol water, fltrd, ug/L (61629)	4-(MeOH)-pendi-meth-alin, wat flt ug/L (61665)	4,4'-Di chloro-benzo-phen-one, wat flt ug/L (61631)	4Chloro phenyl-methyl sulfone water, fltrd, ug/L (61634)	Aceto-chlor, water, fltrd, ug/L (49260)	Aci-fluor-fen, water, fltrd 0.7u GF ug/L (49315)	Ala-chlor, water, fltrd, ug/L (46342)	Aldi-carb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldi-carb sulf-oxide, wat flt 0.7u GF ug/L (49314)	Aldi-carb, water, fltrd 0.7u GF ug/L (49312)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	alpha-HCH, water, fltrd, ug/L (34253)	Amino-methyl-phos-phonic acid, wat flt ug/L (62649)
SEP 24...	--u	--u	<.003mc	<.03mc	<.006	.012	.060	E.01	E.009	<.04	<.005	<.005	<.1

Date	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Bendio-carb, water, fltrd, ug/L (50299)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Benomyl water, fltrd, ug/L (50300)	Bensul-furon, water, fltrd, ug/L (61693)	Ben-tazon, water, fltrd 0.7u GF ug/L (38711)	beta-Endo-sulfan, water, fltrd, ug/L (34357)	Bifen-thrin, water, fltrd, ug/L (61580)	Broma-cil, water, fltrd, ug/L (04029)	Brom-oxynil, water, fltrd 0.7u GF ug/L (49311)	Caf-feine, water, fltrd, ug/L (50305)
SEP 24...	<.007	<.02mc	<.050	<.03	<.010	<.004	<.02	<.01	<.01mc	<.005mc	<.03	<.02	<.010

Date	Car-baryl, water, fltrd 0.7u GF ug/L (49310)	Carbo-furan, water, fltrd 0.7u GF ug/L (49309)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Chlor-amben methyl ester, water, fltrd, ug/L (61188)	Chlori-muron, water, fltrd, ug/L (50306)	Chloro-di-amino-s-tri-azine, wat flt ug/L (04039)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	cis-Propi-cona-zole, water, fltrd, ug/L (79846)	Cyclo-ate, water, fltrd, ug/L (04031)	Cyflu-thrin, water, fltrd, ug/L (61585)	Cyhalo-thrin, water, fltrd, ug/L (61595)	Cyper-methrin water, fltrd, ug/L (61586)
SEP 24...	<.03	<.006	<.020	<.02	<.010	<.01	<.06mc	<.006	<.008	<.005	<.008mc	<.009	<.009mc

Date	Dacthal mono-acid, water, fltrd 0.7u GF ug/L (49304)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Dicamba water fltrd 0.7u GF ug/L (38442)	Di-chlor-prop, water, fltrd 0.7u GF ug/L (49302)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd 0.7u GF ug/L (82662)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphen-amid, water, fltrd, ug/L (04033)	Disulf-oton sulfone water, fltrd, ug/L (61640)	Disulf-oton sulf-oxide, water, fltrd, ug/L (61641)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	Diuron, water, fltrd 0.7u GF ug/L (49300)
SEP 24...	<.01	<.003	<.005	<.01	<.01	<.005	<.006mc	.02	<.03	<.02	<.002mc	<.02	<.01

Date	e-Di-metho-morph, water, fltrd, ug/L (79844)	Endo-sulfan ether, water, fltrd, ug/L (61642)	Endo-sulfan sulfate water, fltrd, ug/L (61590)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)	Fen-thion sulf-oxide, water, fltrd, ug/L (61647)	Fen-thion, water, fltrd, ug/L (38801)
SEP 24...	<.02	<.004	<.006	<.002	<.009	<.03mc	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02

310604084351901 Site Name. —09G011---continued.

Date	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Flumetralin, water, fltrd, ug/L (61592)	Flumetsulam, water, fltrd, ug/L (61694)	Fluometuron water fltrd 0.7u GF ug/L (38811)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Glufosinate, water, fltrd 0.7u GF ug/L (62721)	Glyphosate, water, fltrd 0.7u GF ug/L (62722)	Hexazinone, water, fltrd, ug/L (04025)
SEP 24...	<.03	<.009	<.005	<.005	<.007	<.004	<.01	<.03	<.002mc	<.003	<.1	<.1	E.006

Date	Imazaquin, water, fltrd, ug/L (50356)	Imazethapyr, water, fltrd, ug/L (50407)	Imidacloprid water, fltrd, ug/L (61695)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (38478)	Linuron water fltrd 0.7u GF ug/L (82666)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Metalaxyl, water, fltrd, ug/L (50359)
SEP 24...	<.02	<.02	<.007	<1mc	<.003	<.004	<.01	<.035	<.008	<.027	<.02	<.01	<.02

Date	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methiocarb, water, fltrd 0.7u GF ug/L (38501)	Methomyl, water, fltrd 0.7u GF ug/L (49296)	c-Permethric acid methyl ester, wat flt ug/L (79842)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	t-Permethric acid methyl ester, wat flt ug/L (79843)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Metsulfuron, water, fltrd, ug/L (61697)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Myclobutanil water, fltrd, ug/L (61599)
SEP 24...	<.005	<.006	<.008	<.004	<.04	<.03mc	<.006	<.03	.356	<.006	<.03	<.002	<.008

Date	N-(4-Chlorophenyl) -N'-methylurea, ug/L (61692)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nicosulfuron, water, fltrd, ug/L (50364)	Norflurazon, water, fltrd 0.7u GF ug/L (49293)	O-Et-O-Me-S-Pr-phosphorothioate wat flt ug/L (61660)	Oryzalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	Oxyfluorfen, water, fltrd, ug/L (61600)	p,p'-DDE, water, fltrd, ug/L (34653)	Paraoxon, water, fltrd, ug/L (61663)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)
SEP 24...	<.02	<.007	<.01	<.01	<.02	<.008	<.02	<.01	<.007	<.003	<.008	<.010	<.004

Date	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Phostebupirim water, fltrd, ug/L (61602)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Profenofos water, fltrd, ug/L (61603)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)
SEP 24...	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005	<.02	<.006	<.01	<.005	<.004	<.010	<.011

Date	Propargite, water, fltrd 0.7u GF ug/L (82685)	Propetamphos, water, fltrd, ug/L (61604)	Propham water fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Simazine, water, fltrd, ug/L (04035)	Sulfometruron, water, fltrd, ug/L (50337)	Sulfotepp, water, fltrd, ug/L (61605)	Sulprofos, water, fltrd, ug/L (38716)	Tebupirimphos oxon, water, fltrd, ug/L (61669)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Tefluthrin, water, fltrd, ug/L (61606)
SEP 24...	<.02	<.004	<.010	<.02	<.008	<.02	<.005	<.009	<.003mc	<.02mc	<.006	<.02	<.008mc

310604084351901 Site Name. —09G011---continued.

Date	Teme-phos, water, fltrd, ug/L (61607)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terba-cil, water, fltrd, ug/L (04032)	Ter-bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Ter-buthyl-azine, water, fltrd, ug/L (04022)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	trans-Propi-cona-zole, water, fltrd, ug/L (79847)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-benuron water, fltrd, ug/L (61159)	Tribu-phos, water, fltrd, ug/L (61610)	Tri-clopyr, water, fltrd 0.7u GF ug/L (49235)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)
SEP													
24...	<.3mc	<.034	<.010	<.07	<.02	<.01	<.005	<.01	<.002	--u	<.004mc	<.02	<.009

Date	z-Di-metho-morph, water, fltrd, ug/L (79845)	Di-chlor-vos, water fltrd, ug/L (38775)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
SEP						
24...	<.05	<.01mc	.12	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
c -- See laboratory comment
d -- Diluted sample: method hi range exceeded
m -- Highly var comp using method, ? prec
n -- Below the NDV
t -- Below the long-term MDL

Null value qualifier codes used in this report:
u -- Unable to determine-matrix interference

SURFICIAL AQUIFER
2003 Water Year

313521083501402 Site Name. —15L033

LOCATION.—Lat 31°35’27”, long 83°50’18”, referenced to North American Datum (NAD) of 1983, Worth County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---September to November 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
NOV 04...	0900	1028	80020	2.48	70	4040	.3	758	5.2	61	4.8	241	23.0

Date	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)
NOV 04...	73	16.9	7.51	4.28	.2	3.46	9	.04	27.6	<.2	8.11	5.2	161

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)
NOV 04...	<.04	13.7d	<.008	<.006	.6	237	<.20	<.2	211	.29	20	.08	E.7n

Date	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)
NOV 04...	1.21	.9	E5n	1.89	1.6	143	<.4	1.99	<.4	<.20	86.5c	.13	<.1

Date	Zinc, water, fltrd, ug/L (01090)	1,4-Naphthoquinone, water, fltrd, ug/L (61611)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2-(4-t-Butylphenoxy)cyclohexanol wat flt ug/L (61637)	2,4-D water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)	2,5-Dichloroaniline water, fltrd, ug/L (61614)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino]propan-1-ol, ug/L (61615)	2Amino-N-isopropylbenzamide, wat flt ug/L (61617)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)
NOV 04...	3	<.05mc	<.09mc	<.01	<.009	<.02	<.02mc	<.03	<.006	<.1	<.005	<.005	E.003n

313521083501402 Site Name. —15L033---continued.

Date	CEAT, water, fltrd, ug/L (04038)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)	OIET, water, fltrd, ug/L (50355)	3-(Trifluoromethyl) aniline water, fltrd, ug/L (61630)	3,4-Dichloroaniline water fltrd, ug/L (61625)	3,5-Dichloroaniline water, fltrd, ug/L (61627)	3-Hydroxy carbofuran, wat flt 0.7u GF ug/L (49308)	3-Phenoxybenzyl alcohol water, fltrd, ug/L (61629)	4-(MeOH)-pendimethalin, wat flt ug/L (61665)	4,4'-Dichlorobenzophenone, wat flt ug/L (61631)	4Chlorophenylmethyl sulfone water, fltrd, ug/L (61634)	Acetochlor, water, fltrd, ug/L (49260)	Acifluorfen, water, fltrd 0.7u GF ug/L (49315)
NOV 04...	E.01mc	<.004mc	E.013mc	<.01mc	<.004	<.005	<.006	--u	--u	<.003mc	<.03mc	<.006	<.007

Date	Alachlor, water, fltrd, ug/L (46342)	Aldicarb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldicarb sulfoxide, wat flt 0.7u GF ug/L (49314)	Aldicarb, water, fltrd 0.7u GF ug/L (49312)	alpha-Endosulfan, water, fltrd, ug/L (34362)	alpha-HCH, water, fltrd, ug/L (34253)	Aminomethylphosphonic acid, wat flt ug/L (62649)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl oxon, water, fltrd, ug/L (61635)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Bendiocarb, water, fltrd, ug/L (50299)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Benomyl water, fltrd, ug/L (50300)
NOV 04...	<.005	<.02mc	<.008mc	<.04mc	<.005	<.005	<.1	E.004t	<.02mc	<.050	<.03	<.010	<.004

Date	Bensulfuron, water, fltrd, ug/L (61693)	Bentazon, water, fltrd 0.7u GF ug/L (38711)	beta-Endosulfan, water, fltrd, ug/L (34357)	Bifenthrin, water, fltrd, ug/L (61580)	Bromacil, water, fltrd, ug/L (04029)	Bromoxynil, water, fltrd 0.7u GF ug/L (49311)	Caffeine, water, fltrd, ug/L (50305)	Carbaryl, water, fltrd 0.7u GF ug/L (49310)	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorambenmethyl ester, water, fltrd, ug/L (61188)	Chlorimuron, water, fltrd, ug/L (50306)	Chlorodiamino-s-triazine, wat flt ug/L (04039)
NOV 04...	<.02	<.01mc	<.01mc	<.005mc	<.03mc	<.02mc	<.010	<.03	<.006	<.020	<.02mc	<.010	<.01mc

Date	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	cis-Propiconazole, water, fltrd, ug/L (79846)	Cycloate, water, fltrd, ug/L (04031)	Cyfluthrin, water, fltrd, ug/L (61585)	Cyhalothrin, water, fltrd, ug/L (61595)	Cypermethrin water, fltrd, ug/L (61586)	Dacthal monoacid, water, fltrd 0.7u GF ug/L (49304)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dicamba water fltrd 0.7u GF ug/L (38442)	Dichlorprop, water, fltrd 0.7u GF ug/L (49302)	Dieldrin, water, fltrd, ug/L (39381)
NOV 04...	<.06mc	<.006	<.008	<.005	<.008mc	<.009	<.009mc	<.01	<.003	<.005	<.01	<.01	<.009

Date	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Dinoseb water, fltrd 0.7u GF ug/L (49301)	Diphenamid, water, fltrd, ug/L (04033)	Disulfoton sulfone water, fltrd, ug/L (61640)	Disulfoton sulfoxide, water, fltrd, ug/L (61641)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	Diuron, water, fltrd 0.7u GF ug/L (49300)	e-Dimethomorph, water, fltrd, ug/L (79844)	Endosulfan ether, water, fltrd, ug/L (61642)	Endosulfan sulfate water, fltrd, ug/L (61590)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethion monoxon water, fltrd, ug/L (61644)
NOV 04...	<.006mc	<.01	<.03	<.02	<.002mc	<.02	<.01	<.02	<.004	<.006	<.004	<.009	<.03mc

Date	Ethion, water, fltrd, ug/L (82346)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Fenthion sulfoxide, water, fltrd, ug/L (61647)	Fenthion, water, fltrd, ug/L (38801)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulfinylfipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Flumetralin, water, fltrd, ug/L (61592)
NOV 04...	<.004	<.005	<.008	<.03mc	<.03	<.008mc	<.02	<.03	<.029	<.013	<.024	<.016	<.004

SURFICIAL AQUIFER
2003 Water Year

313521083501402 Site Name. —15L033---continued.

Date	Flumet-sulam, water, fltrd, ug/L (61694)	Fluo-meturon water fltrd 0.7u GF ug/L (38811)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Glufo-sinate, water, fltrd 0.7u GF ug/L (62721)	Glypho-sate, water, fltrd 0.7u GF ug/L (62722)	Hexa-zinone, water, fltrd, ug/L (04025)	Imaza-quin, water, fltrd, ug/L (50356)	Imaze-thapyr, water, fltrd, ug/L (50407)	Imida-cloprid water, fltrd, ug/L (61695)	Ipro-dione, water, fltrd, ug/L (61593)	Isofen-phos, water, fltrd, ug/L (61594)	Lindane water, fltrd, ug/L (39341)
NOV 04...	<.01mc	<.03	<.002mc	<.003	<.1	<.1	<.013	<.02mc	<.02mc	<.007	<1mc	<.003	<.004

Date	Linuron water fltrd 0.7u GF ug/L (38478)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala-oxon, water, fltrd, ug/L (61652)	Mala-thion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Meta-laxyl, water, fltrd, ug/L (50359)	Meta-laxyl, water, fltrd, ug/L (61596)	Methi-althion water, fltrd, ug/L (61598)	Methio-carb, water, fltrd 0.7u GF ug/L (38501)	Meth-omyl, water, fltrd 0.7u GF ug/L (49296)	c-Per-methric acid methyl ester, wat flt ug/L (79842)	Methyl para-oxon, water, fltrd, ug/L (61664)
NOV 04...	<.01	<.035	<.008	<.027	<.02	<.01mc	<.02	<.005	<.006	<.008mc	<.004mc	<.04	<.03mc

Date	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	t-Per-methric acid methyl ester, wat flt ug/L (79843)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Metsul-furon, water, fltrd, ug/L (61697)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Myclo-butanil water, fltrd, ug/L (61599)	N-(4-Chloro-phenyl) -N'-methyl-urea, ug/L (61692)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nico-sul-furon, water, fltrd, ug/L (50364)	Norflur azon, water, fltrd 0.7u GF ug/L (49293)	O-Et-O-Me-S-Pr -phos-phoro-thioate wat flt ug/L (61660)
NOV 04...	<.015	<.03	<.013	<.006	<.03mc	<.003	<.008	<.02	<.007	<.01	<.01	<.02mc	<.008

Date	Ory-zalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	Oxy-fluor-fen, water, fltrd, ug/L (61600)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-oxon, water, fltrd, ug/L (61663)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Phoste-bupirim water, fltrd, ug/L (61602)
NOV 04...	<.02	<.01	<.007	<.003	<.008	<.010	<.004	<.022	<.10mc	<.011	<.06mc	<.008mc	<.005

Date	Pic-loram, water, fltrd 0.7u GF ug/L (49291)	Pro-fenofos water, fltrd, ug/L (61603)	Prome-ton, water, fltrd, ug/L (04037)	Prome-tryn, water, fltrd, ug/L (04036)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Propet-amphos, water, fltrd, ug/L (61604)	Propham water fltrd 0.7u GF ug/L (49236)	Propi-cona-zole, water, fltrd, ug/L (50471)	Pro-poxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)
NOV 04...	<.02	<.006	<.01	<.005	<.004	<.025	<.011	<.02	<.004	<.010	<.02	<.008	<.02

Date	Sima-zine, water, fltrd, ug/L (04035)	Sulfo-met-ruron, water, fltrd, ug/L (50337)	Sulfo-tepp, water, fltrd, ug/L (61605)	Sulpro-fos, water, fltrd, ug/L (38716)	Tebu-pirim-phos oxon, water, fltrd, ug/L (61669)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Teflu-thrin, water, fltrd, ug/L (61606)	Teme-phos, water, fltrd, ug/L (61607)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terba-cil, water, fltrd, ug/L (04032)	Ter-bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Ter-buthyl-azine, water, fltrd, ug/L (04022)
NOV 04...	<.005	<.009	<.003mc	<.02mc	<.006	.11	<.008mc	--u	<.034	<.010mc	<.07	<.02	<.01

313521083501402 Site Name. —15L033---continued.

Date	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	trans-Propi-cona-zole, water, fltrd, ug/L (79847)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-benuron water, fltrd, ug/L (61159)	Tribu-phos, water, fltrd, ug/L (61610)	Tri-clopyr, water, fltrd 0.7u GF ug/L (49235)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	z-Di-metho-morph, water, fltrd, ug/L (79845)	Di-chlor-vos, water fltrd, ug/L (38775)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
NOV 04...	<.010	<.01	<.002	--u	<.004mc	<.02	<.009	<.05	<.01mc	.12	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
c -- See laboratory comment
d -- Diluted sample: method hi range exceeded
m -- Highly var comp using method, ? prec
n -- Below the NDV
t -- Below the long-term MDL

Null value qualifier codes used in this report:
u -- Unable to determine-matrix interference

UPPER FLORIDAN AQUIFER
2003 Water Year

311348084282401 Site Name. —10H007

LOCATION.—Lat 31°13’48”, long 84°28’24”, referenced to North American Datum (NAD) of 1927, Baker County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---August to September 1995, and August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
SEP 24...	1700	1028	80020	60.39	48	4040	.4	763	8.5	94	7.9	192	20.5

Date	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)
SEP 24...	97	11	38.3	.391	E.06n	.1	1.36	86	105	E.02n	2.63	<.10	6.25

Date	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)
SEP 24...	.3	113	<.10	<.04	1.45	<.008	E.01	<.3	1	<.05	<.2	3	<.06

Date	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)
SEP 24...	E6	<.04	1.2	.07	1.8	<10	1.33	<.3	<.1	<.2	1.12	<.3	<1

Date	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)
SEP 24...	15.1	<.04	1.0	8	<.006	<.006	<.006	<.004	<.005	E.006n	<.050	<.010	<.020

311348084282401 Site Name. —10H007---continued.

Date	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)
SEP 24...	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.006

Date	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)
SEP 24...	E.011n	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011

Date	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)
SEP 24...	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06

Date	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)
SEP 24...	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03

Date	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	2-Ethyltoluene water unfltrd ug/L (77220)	3-Chloropropene water unfltrd ug/L (78109)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)
SEP 24...	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.03	<.06	<.07	<.05	<.07	<7

Date	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromoethene, water, unfltrd ug/L (50002)	Bromomethane water unfltrd ug/L (34413)	Carbon disulfide water unfltrd ug/L (77041)	Chlorobenzene water unfltrd ug/L (34301)	Chloroethane, water, unfltrd ug/L (34311)	Chloromethane water unfltrd ug/L (34418)	cis-1,2-Dichloroethene, water, unfltrd ug/L (77093)	cis-1,3-Dichloropropene water unfltrd ug/L (34704)
SEP 24...	<1	<.04	<.04	<.07	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04	<.09

311348084282401 Site Name. —10H007---continued.

Date	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)
SEP 24...	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.25	<.4

Date	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)
SEP 24...	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07	<.03	<.04

Date	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)
SEP 24...	<.05	<.2	<.05	<.03	<.06	<2	<.05	<.03	<.09	<.7	<.06	<.04	<.09

Date	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
SEP 24...	E.06	<.1	16	60	.05	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

311912084282901 Site Name. —10J009

LOCATION.—Lat 31°19’12”, long 84°28’29”, referenced to North American Datum (NAD) of 1927, Baker County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---August to September 1995, and August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
SEP 25...	1400	1028	80020	27.63	64	4040	.4	760	5.8	65	7.7	225	20.9

Date	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
SEP 25...	110	14	42.8	.755	.18	.1	1.61	3	96	117	E.02n	3.85	<.10

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)
SEP 25...	6.36	.6	125	132	<.10	<.04	2.66	<.008	E.01	E.2n	1	.10	<.2

Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
SEP 25...	4	.09	8	<.04	.9	.08	.4	<10	.09	.4	E.1	<.2	.34

Date	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)
SEP 25...	<.3	<1	22.1	<.04	.3	4	<.006	<.006	<.006	<.004	<.005	<.007	<.050

311912084282901 Site Name. —10J009---continued.

Date	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)
SEP 25...	<.010	<.020	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035

Date	Mala-thion, water, fltrd, ug/L (39532)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)
SEP 25...	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004

Date	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2 -Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2 -Tetra-chloro-ethane, water, unfltrd ug/L (34516)
SEP 25...	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03	<.09

Date	CFC-113 water unfltrd ug/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3,4 Tetra-methyl-benzene water unfltrd ug/L (49999)	1,2,3,5 Tetra-methyl-benzene water unfltrd ug/L (50000)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)	1,2,3-Tri-chloro-propane water unfltrd ug/L (77443)	1,2,3-Tri-methyl-benzene water unfltrd ug/L (77221)	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)	1,2,4-Tri-methyl-benzene water unfltrd ug/L (77222)	Dibromo chloro-propane water unfltrd ug/L (82625)
SEP 25...	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5

Date	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water unfltrd ug/L (34541)	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,3-Di-chloro-propane water unfltrd ug/L (77173)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	2,2-Di-chloro-propane water unfltrd ug/L (77170)	2-Chloro-toluene water unfltrd ug/L (77275)	2-Ethyl-toluene water unfltrd ug/L (77220)	3-Chloro-propene water unfltrd ug/L (78109)	4-Chloro-toluene water unfltrd ug/L (77277)
SEP 25...	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.03	<.06	<.07	<.05

Date	4-Iso-propyl-toluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water unfltrd ug/L (34413)	Carbon di-sulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)
SEP 25...	<.07	<7	<1	<.04	<.04	<.07	<.05	<.1	<.3	<.07	<.03	<.1	<.2

311912084282901 Site Name. —10J009---continued.

Date	cis-1,2-Dichloroethene, water, unfltrd ug/L (77093)	cis-1,3-Dichloropropene water unfltrd ug/L (34704)	Dibromochloromethane water unfltrd ug/L (32105)	Dibromomethane water unfltrd ug/L (30217)	Dichlorodifluoromethane wat unf ug/L (34668)	Dichloromethane water unfltrd ug/L (34423)	Diethyl ether, water, unfltrd ug/L (81576)	Diisopropyl ether, water, unfltrd ug/L (81577)	Ethyl methacrylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethylbenzene water unfltrd ug/L (34371)	Hexachlorobutadiene, water, unfltrd ug/L (39702)	Hexachloroethane, water, unfltrd ug/L (34396)
SEP 25...	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2

Date	Iodomethane water unfltrd ug/L (77424)	Isobutyl methyl ketone, water, unfltrd ug/L (78133)	Isopropylbenzene water unfltrd ug/L (77223)	Methacrylonitrile water unfltrd ug/L (81593)	Methyl acrylate, water, unfltrd ug/L (49991)	Methyl methacrylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphthalene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propylbenzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)
SEP 25...	<.25	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07

Date	sec-Butylbenzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butylbenzene water unfltrd ug/L (77353)	Tetrachloroethene, water, unfltrd ug/L (34475)	Tetrachloromethane water unfltrd ug/L (32102)	Tetrahydrofuran, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Dichloroethene, water, unfltrd ug/L (34546)	trans-1,3-Dichloropropene water unfltrd ug/L (34699)	trans-1,4-Dichloro-2-butene, wat unf ug/L (73547)	Tribromomethane water unfltrd ug/L (32104)
SEP 25...	<.03	<.04	<.05	<.2	<.05	<.03	<.06	<2	<.05	<.03	<.09	<.7	<.06

Date	Trichloroethene, water, unfltrd ug/L (39180)	Trichlorofluoromethane water unfltrd ug/L (34488)	Trichloromethane water unfltrd ug/L (32106)	Vinyl chloride, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sampling condition, code (72006)
SEP 25...	<.04	<.09	<.02	<.1	18	140	.06	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

312853084275101 Site Name. —10K005

LOCATION.—Lat 31°28’53”, long 84°27’51”, referenced to North American Datum (NAD) of 1927, Calhoun County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---August to September 1995, and August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
AUG 28...	1100	1028	80020	22.60	180	55.0	4040	6.9	760	3.6	41	7.7	236

Date	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)
AUG 28...	22.0	110	17	40.0	2.66	.92	.1	3.56	6	94	115	E.03n	5.73

Date	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L* (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L+ (71856)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)
AUG 28...	<.10	10.7	2.1	150	168	E.06	E.04	27.5	6.21	6.26	.168	.051	<.02

Date	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)
AUG 28...	E.2n	<1	.05	.8	4	<.06	7	<.04	E.7	.09	.7	<10	<.08

Date	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)
AUG 28...	.8	2.0	.7	1.01	<.3	<1	85.3	<.04	.5	<1	<.006	<.006	<.006

312853084275101 Site Name. —10K005---continued.

Date	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)
AUG 28...	.008	<.005	<.007	<.050	<.010	<.020	<.006	<.003	<.005	<.005	<.02	<.002	<.009

Date	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala-thion, water, fltrd, ug/L (39532)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)
AUG 28...	<.005	<.003	<.004	<.035	<.027	<.006	.033	<.006	<.002	<.007	<.003	<.010	<.004

Date	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)
AUG 28...	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002

Date	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3,4 Tetra-methyl-benzene water unfltrd ug/L (49999)	1,2,3,5 Tetra-methyl-benzene water unfltrd ug/L (50000)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)	1,2,3-Tri-chloro-propane water unfltrd ug/L (77443)
AUG 28...	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16

Date	1,2,3-Tri-methyl-benzene water unfltrd ug/L (77221)	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)	1,2,4-Tri-methyl-benzene water unfltrd ug/L (77222)	Dibromo chloro-propane water unfltrd ug/L (82625)	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water unfltrd ug/L (34541)	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,3-Di-chloro-propane water unfltrd ug/L (77173)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	2,2-Di-chloro-propane water unfltrd ug/L (77170)
AUG 28...	<.1	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05

Date	2-Chloro-toluene water unfltrd ug/L (77275)	2-Ethyl-toluene water unfltrd ug/L (77220)	3-Chloro-propene water unfltrd ug/L (78109)	4-Chloro-toluene water unfltrd ug/L (77277)	4-Iso-propyl-toluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water unfltrd ug/L (34413)
AUG 28...	<.03	<.06	<.07	<.05	<.07	<7	<1	<.04	<.04	<.07	<.05	<.1	<.3

312853084275101 Site Name. —10K005---continued.

Date	Carbon disulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)
AUG 28...	<.07	<.03	<.1	<.2	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2

Date	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)
AUG 28...	<5.0	<.03	<.1	<.2	<.25	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5

Date	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)
AUG 28...	<.7	<.2	<.04	<.07	<.03	<.04	<.05	<.2	<.05	<.03	<.06	<2	<.05

Date	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)
AUG 28...	<.03	<.09	<.7	<.06	<.04	<.09	<.02	<.1	23	140	.11	15.00	4040

Date	Sampling condition, code (72006)
AUG 28...	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value
* -- As NO3
+ -- As NO2

Value qualifier codes used in this report:
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

310110084383501 Site Name. —08G009

LOCATION.—Lat 31°01’11”, long 84°38’35”, referenced to North American Datum (NAD) of 1927, Decatur County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT 01...	1100	1028	80020	41.87	50	4040	.1	767	6.2	69	7.7	251	20.8

Date	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
OCT 01...	120	27	47.3	.931	.56	.1	2.22	4	95	116	.03	5.14	<.17

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)
OCT 01...	6.44	.4	144	156	E.05	<.04	5.32	<.008	<.02	.4	<2	<.30	<.3

Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
OCT 01...	8	.08	7	.05	E.8n	.10	1.4	<10	4.00	E.3n	<.2	<.3	.24

Date	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)
OCT 01...	<.5	<.20	24.9	E.02n	.4	3	<.006	E.005	<.006	.014	<.005	.019	<.050

310110084383501 Site Name. —08G009---continued.

Date	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)
OCT 01...	<.010	<.020	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035

Date	Mala-thion, water, fltrd, ug/L (39532)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)
OCT 01...	<.027	<.006	.020	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004

1

Date	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfltrd ug/L (34516)
OCT 01...	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03	<.09

Date	CFC-113 water unfltrd ug/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3,4 Tetra-methyl-benzene water unfltrd ug/L (49999)	1,2,3,5 Tetra-methyl-benzene water unfltrd ug/L (50000)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)	1,2,3-Tri-chloro-propane water unfltrd ug/L (77443)	1,2,3-Tri-methyl-benzene water unfltrd ug/L (77221)	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)	1,2,4-Tri-methyl-benzene water unfltrd ug/L (77222)	Dibromo chloro-propane water unfltrd ug/L (82625)
OCT 01...	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5

Date	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water unfltrd ug/L (34541)	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,3-Di-chloro-propane water unfltrd ug/L (77173)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	2,2-Di-chloro-propane water unfltrd ug/L (77170)	2-Chloro-toluene water unfltrd ug/L (77275)	2-Ethyl-toluene water unfltrd ug/L (77220)	3-Chloro-propene water unfltrd ug/L (78109)	4-Chloro-toluene water unfltrd ug/L (77277)
OCT 01...	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.03	<.06	<.07	<.05

Date	4-Iso-propyl-toluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water unfltrd ug/L (34413)	Carbon di-sulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)
OCT 01...	<.07	<7	<1	<.04	<.04	<.07	<.05	<.1	<.3	<.07	<.03	<.1	<.2

310110084383501 Site Name. —08G009---continued.

Date	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)
OCT 01...	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2

Date	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)
OCT 01...	<.25	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07

Date	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)
OCT 01...	<.03	<.04	<.05	<.2	<.05	<.03	<.06	<2	<.05	<.03	<.09	<.7	<.06

Date	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
OCT 01...	<.04	<.09	E.02	<.1	17	70	.07	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

305148084364801 Site Name. —09E518

LOCATION.—Lat 30°51’48”, long 84°36’48”, referenced to North American Datum (NAD) of 1927, Decatur County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---August to September 1995 and, August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
SEP 23...	1000	1028	80020	20.03	84	4040	.5	763	2.8	31	7.5	306	20.8

Date	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
SEP 23...	160	16	53.5	5.41	.37	.1	2.81	4	140	171	.04	5.20	E.1n

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)
SEP 23...	8.29	2.2	174	175	<.10	<.04	2.73	<.008	.03	E.2n	<1	.07	E.1

Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
SEP 23...	7	<.06	E7	<.04	E.7	.10	1.1	<10	.10	.9	E.1	<.2	1.61

Date	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)
SEP 23...	E.2	<1	34.2	<.04	1.2	10	<.006	<.006	<.006	<.004	<.005	<.007	<.050

305148084364801 Site Name. —09E518---continued.

Date	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)
SEP 23...	<.010	<.020	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035

Date	Mala-thion, water, fltrd, ug/L (39532)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)
SEP 23...	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004

Date	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2 -Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1- Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2 -Tetra-chloro-ethane, water, unfltrd ug/L (34516)
SEP 23...	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03	<.09

Date	CFC-113 water unfltrd ug/L (77652)	1,1,2- Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3,4 Tetra-methyl-benzene water unfltrd ug/L (49999)	1,2,3,5 Tetra-methyl-benzene water unfltrd ug/L (50000)	1,2,3- Tri-chloro-benzene water unfltrd ug/L (77613)	1,2,3- Tri-chloro-propane water unfltrd ug/L (77443)	1,2,3- Tri-methyl-benzene water unfltrd ug/L (77221)	1,2,4- Tri-chloro-benzene water unfltrd ug/L (34551)	1,2,4- Tri-methyl-benzene water unfltrd ug/L (77222)	Dibromo chloro-propane water unfltrd ug/L (82625)
SEP 23...	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5

Date	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water unfltrd ug/L (34541)	1,3,5- Tri-methyl-benzene water unfltrd ug/L (77226)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,3-Di-chloro-propane water unfltrd ug/L (77173)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	2,2-Di-chloro-propane water unfltrd ug/L (77170)	2-Chloro-toluene water unfltrd ug/L (77275)	2-Ethyl-toluene water unfltrd ug/L (77220)	3-Chloro-propene water unfltrd ug/L (78109)	4-Chloro-toluene water unfltrd ug/L (77277)
SEP 23...	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.03	<.06	<.07	<.05

Date	4-Iso-propyl-toluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water unfltrd ug/L (34413)	Carbon di-sulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)
SEP 23...	<.07	<7	<1	<.04	<.04	<.07	<.05	<.1	<.3	<.07	<.03	<.1	<.2

305148084364801 Site Name. —09E518---continued.

Date	cis-1,2-Dichloroethene, water, unfltrd ug/L (77093)	cis-1,3-Dichloropropene water unfltrd ug/L (34704)	Dibromochloromethane water unfltrd ug/L (32105)	Dibromomethane water unfltrd ug/L (30217)	Dichlorodifluoromethane wat unf ug/L (34668)	Dichloromethane water unfltrd ug/L (34423)	Diethyl ether, water, unfltrd ug/L (81576)	Diisopropyl ether, water, unfltrd ug/L (81577)	Ethyl methacrylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethylbenzene water unfltrd ug/L (34371)	Hexachlorobutadiene, water, unfltrd ug/L (39702)	Hexachloroethane, water, unfltrd ug/L (34396)
SEP 23...	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2

Date	Iodomethane water unfltrd ug/L (77424)	Isobutyl methyl ketone, water, unfltrd ug/L (78133)	Isopropylbenzene water unfltrd ug/L (77223)	Methacrylonitrile water unfltrd ug/L (81593)	Methyl acrylate, water, unfltrd ug/L (49991)	Methyl methacrylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphthalene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butylbenzene water unfltrd ug/L (77342)	n-propylbenzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)
SEP 23...	<.25	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07

Date	sec-Butylbenzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butylbenzene water unfltrd ug/L (77353)	Tetrachloroethene, water, unfltrd ug/L (34475)	Tetrachloromethane water unfltrd ug/L (32102)	Tetrahydrofuran, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Dichloroethene, water, unfltrd ug/L (34546)	trans-1,3-Dichloropropene water unfltrd ug/L (34699)	trans-1,4-Dichloro-2-butene, wat unf ug/L (73547)	Tribromomethane water unfltrd ug/L (32104)
SEP 23...	<.03	<.04	<.05	<.2	<.05	<.03	<.06	<2	<.05	<.03	<.09	<.7	<.06

Date	Trichloroethene, water, unfltrd ug/L (39180)	Trichlorofluoromethane water unfltrd ug/L (34488)	Trichloromethane water unfltrd ug/L (32106)	Vinyl chloride, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sampling condition, code (72006)
SEP 23...	<.04	<.09	E.04	<.1	26	420	.19	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
n -- Below the NDV

3113440084181403 Site Name. —11L117

LOCATION.—Lat 31°34’40”, long 84°18’14”, referenced to North American Datum (NAD) of 1927, Dougherty County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---July 1993, August 1994, August to September 1995, April 1996, November 2000, and August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
AUG 26...	1800	1028	80020	25.50	120	30.0	4040	40	757	4.1	47	7.4	301

Date	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)
AUG 26...	22.0	150	12	59.6	.548	.16	.1	2.38	3	139	169	E.02n	5.03

Date	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)
AUG 26...	<.10	7.77	.7	166	174	<.10	<.04	1.62	<.008	E.01	E.2n	<1	E.04

Date	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)
AUG 26...	<.2	2	<.06	10	<.04	E.7	.16	.3	<10	<.08	<.3	1.0	.2

Date	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)
AUG 26...	1.12	E.2	<1	30.7	<.04	.6	<1	<.006	E.029	<.006	<.004	<.005	.023

3113440084181403 Site Name. —11L117---continued.

Date	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)
AUG 26...	<.050	<.010	<.020	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004

Date	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)
AUG 26...	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01

Date	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)
AUG 26...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03

Date	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)
AUG 26...	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1	<.06

Date	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	2-Ethyltoluene water unfltrd ug/L (77220)	3-Chloropropene water unfltrd ug/L (78109)
AUG 26...	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.03	<.06	<.07

Date	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromoethene, water, unfltrd ug/L (50002)	Bromomethane water unfltrd ug/L (34413)	Carbon disulfide water unfltrd ug/L (77041)	Chlorobenzene water unfltrd ug/L (34301)	Chloroethane, water, unfltrd ug/L (34311)
AUG 26...	<.05	<.07	<7	<1	<.04	<.04	<.07	<.05	<.1	<.3	<.07	<.03	<.1

3113440084181403 Site Name. —11L117---continued.

Date	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)
AUG 26...	<.2	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1

Date	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)
AUG 26...	<.2	<.25	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04

Date	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)
AUG 26...	<.07	<.03	<.04	<.05	<.2	<.05	<.03	<.06	<2	<.05	<.03	<.09	<.7

Date	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
AUG 26...	<.06	<.04	<.09	E.02	<.1	.06	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

312641084102401 Site Name. —12K037

LOCATION.—Lat 31°26’41”, long 84°10’24”, referenced to North American Datum (NAD) of 1927, Dougherty County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---April 1994, August to September 1995, April 1996, September 1998, March 1999, and August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
SEP 24...	1100	1028	80020	53.52	120	8010	4.5	763	6.1	67	7.8	196	20.3

Date	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
SEP 24...	98	11	38.3	.562	.30	.1	1.79	4	86	106	E.02n	3.40	<.10

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)
SEP 24...	7.10	.6	114	112	<.10	<.04	2.25	<.008	E.02	E.2n	1	<.05	<.2

Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
SEP 24...	5	<.06	8	<.04	.9	.07	.5	<10	.24	<.3	.4	<.2	1.08

Date	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)
SEP 24...	<.3	<1	21.0	<.04	.8	2	<.006	E.006	<.006	.014	<.005	.008	<.050

312641084102401 Site Name. —12K037---continued.

Date	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)
SEP 24...	<.010	<.020	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035

Date	Mala-thion, water, fltrd, ug/L (39532)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)
SEP 24...	<.027	<.006	E.009n	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004

Date	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2 -Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2 -Tetra-chloro-ethane, water, unfltrd ug/L (34516)
SEP 24...	<.010	<.011	<.02	E.004n	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03	<.09

Date	CFC-113 water unfltrd ug/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3,4 Tetra-methyl-benzene water unfltrd ug/L (49999)	1,2,3,5 Tetra-methyl-benzene water unfltrd ug/L (50000)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)	1,2,3-Tri-chloro-propane water unfltrd ug/L (77443)	1,2,3-Tri-methyl-benzene water unfltrd ug/L (77221)	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)	1,2,4-Tri-methyl-benzene water unfltrd ug/L (77222)	Dibromo chloro-propane water unfltrd ug/L (82625)
SEP 24...	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5

Date	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water unfltrd ug/L (34541)	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,3-Di-chloro-propane water unfltrd ug/L (77173)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	2,2-Di-chloro-propane water unfltrd ug/L (77170)	2-Chloro-toluene water unfltrd ug/L (77275)	2-Ethyl-toluene water unfltrd ug/L (77220)	3-Chloro-propene water unfltrd ug/L (78109)	4-Chloro-toluene water unfltrd ug/L (77277)
SEP 24...	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.03	<.06	<.07	<.05

Date	4-Iso-propyl-toluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water unfltrd ug/L (34413)	Carbon di-sulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)
SEP 24...	<.07	<7	<1	<.04	<.04	<.07	<.05	<.1	<.3	<.07	<.03	<.1	<.2

312641084102401 Site Name. —12K037---continued.

Date	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)
SEP 24...	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2

Date	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)
SEP 24...	<.25	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07

Date	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)
SEP 24...	<.03	<.04	<.05	<.2	<.05	<.03	<.06	<2	<.05	<.03	<.09	<.7	<.06

Date	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
SEP 24...	<.04	<.09	E.03	<.1	16	40	.10	15.00	8010	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

313105084064302 Site Name. —13L012

LOCATION.—Lat 31°31’05”, long 84°06’43”, referenced to North American Datum (NAD) of 1927, Dougherty County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---June 1977, July 1981, July to August 1988, August 1989, August 1991, August 1994, August to September 1995, and August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
AUG 27...	1800	1028	80020	53.30	180	4040	9.2	758	6.8	79	7.6	233	22.4

Date	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
AUG 27...	110	5	43.8	.533	.13	.2	4.98	9	106	130	.03	5.96	<.10

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)
AUG 27...	7.00	.8	130	143	<.10	<.04	.65	<.008	E.01	E.2n	2	E.03	<.2

Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
AUG 27...	7	<.06	38	<.04	1.0	.34	.3	<10	<.08	E.3	1.0	.7	3.08

Date	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)
AUG 27...	<.3	<1	25.1	<.04	.7	2	E.002n	E.004	<.006	.034	<.005	E.005n	<.050

313105084064302 Site Name. —13L012---continued.

Date	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)
AUG 27...	<.010	<.020	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035

Date	Mala-thion, water, fltrd, ug/L (39532)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)
AUG 27...	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004

Date	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2 -Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2 -Tetra-chloro-ethane, water, unfltrd ug/L (34516)
AUG 27...	<.010	<.011	<.02	<.005	2.09	<.034	<.02	<.005	<.002	<.009	<.03	<.03	<.09

Date	CFC-113 water unfltrd ug/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3,4 Tetra-methyl-benzene water unfltrd ug/L (49999)	1,2,3,5 Tetra-methyl-benzene water unfltrd ug/L (50000)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)	1,2,3-Tri-chloro-propane water unfltrd ug/L (77443)	1,2,3-Tri-methyl-benzene water unfltrd ug/L (77221)	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)	1,2,4-Tri-methyl-benzene water unfltrd ug/L (77222)	Dibromo chloro-propane water unfltrd ug/L (82625)
AUG 27...	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5

Date	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water unfltrd ug/L (34541)	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,3-Di-chloro-propane water unfltrd ug/L (77173)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	2,2-Di-chloro-propane water unfltrd ug/L (77170)	2-Chloro-toluene water unfltrd ug/L (77275)	2-Ethyl-toluene water unfltrd ug/L (77220)	3-Chloro-propene water unfltrd ug/L (78109)	4-Chloro-toluene water unfltrd ug/L (77277)
AUG 27...	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.03	<.06	<.07	<.05

Date	4-Iso-propyl-toluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water unfltrd ug/L (34413)	Carbon di-sulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)
AUG 27...	<.07	<7	<1	<.04	<.04	<.07	<.05	<.1	<.3	<.07	<.03	<.1	<.2

313105084064302 Site Name. —13L012---continued.

Date	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)
AUG 27...	E.02	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2

Date	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)
AUG 27...	<.25	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07

Date	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)
AUG 27...	<.03	<.04	<.05	<.2	<.05	E.01	E.03	<2	<.05	<.03	<.09	<.7	<.06

Date	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
AUG 27...	E.09	<.09	.11	<.1	22	100	.15	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

3053560845334601 Site Name. —06G006

LOCATION.—Lat 31°04’27”, long 84°59’11”, referenced to North American Datum (NAD) of 1927, Early County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 1980, April 1981, October 1981, August to September 1995, and August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
SEP 09...	1700	1028	80020	58.30	103	4040	2.9	762	6.5	77	7.6	255	23.5

Date	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)
SEP 09...	130	11	49.8	.780	E.09n	.1	1.95	116	142	.03	3.71	<.10	6.21

Date	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)
SEP 09...	.5	139	<.10	<.04	2.72	<.008	E.01	E.3n	<1	E.04	<.2	5	E.03

Date	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)
SEP 09...	8	<.04	2.0	.17	.3	<10	<.08	.3	.3	.3	4.33	<.3	<1

Date	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)
SEP 09...	24.2	<.04	.7	1	E.001n	<.006	<.006	.521	<.005	<.007	<.050	<.010	<.020

3053560845334601 Site Name. —06G006---continued.

Date	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)
SEP 09...	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.006

Date	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)
SEP 09...	E.005n	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011

Date	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)
SEP 09...	<.02	<.005	.03	<.034	<.02	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06

Date	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)
SEP 09...	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03

Date	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	2-Ethyltoluene water unfltrd ug/L (77220)	3-Chloropropene water unfltrd ug/L (78109)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)
SEP 09...	<.1	E.10	<.04	<.03	<.1	<.05	<.05	<.03	<.06	<.07	<.05	<.07	<7

Date	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromoethene, water, unfltrd ug/L (50002)	Bromomethane water unfltrd ug/L (34413)	Carbon disulfide water unfltrd ug/L (77041)	Chlorobenzene water unfltrd ug/L (34301)	Chloroethane, water, unfltrd ug/L (34311)	Chloromethane water unfltrd ug/L (34418)	cis-1,2-Dichloroethene, water, unfltrd ug/L (77093)	cis-1,3-Dichloropropene water unfltrd ug/L (34704)
SEP 09...	<1	<.04	<.04	<.07	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04	<.09

3053560845334601 Site Name. —06G006---continued.

Date	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)
SEP 09...	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.25	<.4

Date	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)
SEP 09...	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07	<.03	<.04

Date	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)
SEP 09...	<.05	<.2	<.05	<.03	<.06	<2	<.05	<.03	<.09	<.7	<.06	<.04	<.09

Date	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
SEP 09...	<.02	<.1	19	80	.07	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

310900084580301 Site Name. —06H017

LOCATION.—Lat 31°08’46”, long 84°58’03”, referenced to North American Datum (NAD) of 1927, Early County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
SEP 30...	1200	1028	80020	36.50	182	4040	4.3	765	4.9	55	7.4	289	21.2

Date	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
SEP 30...	150	14	57.0	1.23	.51	.1	2.27	3	134	163	E.02n	4.67	<.11

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)
SEP 30...	5.62	.5	165	169	<.10	<.04	2.87	<.008	<.02	.4	2	E.03n	<.2

Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
SEP 30...	21	E.03n	9	.06	E.8n	.14	.4	<10	<.08	<.3	.2	.3	1.76

Date	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)
SEP 30...	<.3	<1	29.1	<.04	.5	<1	<.006	E.010	<.006	<.004	<.005	.010	<.050

310900084580301 Site Name. —06H017---continued.

Date	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)
SEP 30...	<.010	<.020	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035

Date	Mala-thion, water, fltrd, ug/L (39532)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)
SEP 30...	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004

Date	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfltrd ug/L (34516)
SEP 30...	<.010	<.011	<.02	<.005	E.01n	<.034	<.02	<.005	<.002	<.009	<.03	<.03	<.09

Date	CFC-113 water unfltrd ug/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3,4 Tetra-methyl-benzene water unfltrd ug/L (49999)	1,2,3,5 Tetra-methyl-benzene water unfltrd ug/L (50000)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)	1,2,3-Tri-chloro-propane water unfltrd ug/L (77443)	1,2,3-Tri-methyl-benzene water unfltrd ug/L (77221)	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)	1,2,4-Tri-methyl-benzene water unfltrd ug/L (77222)	Dibromo chloro-propane water unfltrd ug/L (82625)
SEP 30...	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5

Date	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water unfltrd ug/L (34541)	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,3-Di-chloro-propane water unfltrd ug/L (77173)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	2,2-Di-chloro-propane water unfltrd ug/L (77170)	2-Chloro-toluene water unfltrd ug/L (77275)	2-Ethyl-toluene water unfltrd ug/L (77220)	3-Chloro-propene water unfltrd ug/L (78109)	4-Chloro-toluene water unfltrd ug/L (77277)
SEP 30...	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.03	<.06	<.07	<.05

Date	4-Iso-propyl-toluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water unfltrd ug/L (34413)	Carbon di-sulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)
SEP 30...	<.07	<7	<1	<.04	<.04	<.07	<.05	<.1	<.3	<.07	<.03	<.1	<.2

310900084580301 Site Name. —06H017---continued.

Date	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)
SEP 30...	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2

Date	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)
SEP 30...	<.25	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07

Date	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)
SEP 30...	<.03	<.04	<.05	<.2	<.05	<.03	<.06	<2	<.05	<.03	<.09	<.7	<.06

Date	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
SEP 30...	<.04	<.09	E.02	<.1	.10	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

312232084391701 Site Name. —08K001

LOCATION.—Lat 31°22’38”, long 84°39’17”, referenced to North American Datum (NAD) of 1927, Early County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---April 1981, August to September 1995 and, August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
AUG 28...	1900	1028	80020	22.05	81	50.0	4040	2.6	758	4.0	46	7.5	278

Date	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)
AUG 28...	22.4	130	17	51.1	.916	.70	.1	2.76	4	114	140	E.02n	6.00

Date	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L* (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L+ (71856)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)
AUG 28...	<.10	5.98	.7	156	173	E.06	.05	19.1	4.32	4.34	.056	.017	<.02

Date	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)
AUG 28...	E.2n	2	<.05	<.2	9	<.06	E5	E.03	1.3	.12	.4	<10	<.08

Date	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)
AUG 28...	<.3	2.6	E.1	1.29	<.3	<1	26.4	<.04	.7	5	<.006	E.005	<.006

312232084391701 Site Name. —08K001---continued.

Date	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)
AUG 28...	<.004	<.005	E.005n	<.050	<.010	<.020	<.006	<.003	<.005	<.005	<.02	<.002	<.009

Date	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala-thion, water, fltrd, ug/L (39532)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)
AUG 28...	<.005	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004

Date	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)
AUG 28...	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002

Date	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3,4 Tetra-methyl-benzene water unfltrd ug/L (49999)	1,2,3,5 Tetra-methyl-benzene water unfltrd ug/L (50000)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)	1,2,3-Tri-chloro-propane water unfltrd ug/L (77443)
AUG 28...	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16

Date	1,2,3-Tri-methyl-benzene water unfltrd ug/L (77221)	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)	1,2,4-Tri-methyl-benzene water unfltrd ug/L (77222)	Dibromo chloro-propane water unfltrd ug/L (82625)	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water unfltrd ug/L (34541)	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,3-Di-chloro-propane water unfltrd ug/L (77173)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	2,2-Di-chloro-propane water unfltrd ug/L (77170)
AUG 28...	<.1	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05

Date	2-Chloro-toluene water unfltrd ug/L (77275)	2-Ethyl-toluene water unfltrd ug/L (77220)	3-Chloro-propene water unfltrd ug/L (78109)	4-Chloro-toluene water unfltrd ug/L (77277)	4-Iso-propyl-toluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water unfltrd ug/L (34413)
AUG 28...	<.03	<.06	<.07	<.05	<.07	<7	<1	<.04	<.04	<.07	<.05	<.1	<.3

312232084391701 Site Name. —08K001---continued.

Date	Carbon di-sulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)
AUG 28...	<.07	<.03	<.1	<.2	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2

Date	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)
AUG 28...	<5.0	<.03	<.1	<.2	<.25	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5

Date	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)
AUG 28...	<.7	<.2	<.04	<.07	<.03	<.04	<.05	<.2	<.05	<.03	<.06	M	<.05

Date	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)
AUG 28...	<.03	<.09	<.7	<.06	<.04	<.09	<.02	<.1	21	170	.09	15.00	4040

Date	Sam-pling condi-tion, code (72006)
AUG 28...	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified
* -- As NO3
+ -- As NO2

Value qualifier codes used in this report:
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

313808084093601 Site Name. —12M017

LOCATION.—Lat 31°38’08”, long 84°09’36”, referenced to North American Datum (NAD) of 1927, Lee County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---June 1983, June 1984, August 1989, August 1991, August to September 1995, April 1996, September 1997, and August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
AUG 27...	1000	1028	80020	56.10	147	75.0	4040	3.7	758	6.0	68	7.4	336

Date	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)
AUG 27...	21.4	180	41	68.0	1.24	.52	.1	2.73	3	135	164	E.03n	10.1

Date	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)
AUG 27...	<.10	8.37	.5	208	243	<.10	<.04	8.08	<.008	<.02	E.2n	<1	E.05

Date	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)
AUG 27...	<.2	14	<.06	8	<.04	1.7	.12	.5	<10	<.08	.4	.2	.2

Date	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)
AUG 27...	1.16	E.2	<1	45.2	E.02	1.3	3	<.006	<.006	<.006	<.004	<.005	<.007

313808084093601 Site Name. —12M017---continued.

Date	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)
AUG 27...	<.050	<.010	<.020	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004

Date	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)
AUG 27...	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01

Date	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)
AUG 27...	<.004	<.010	<.011	<.02	.013	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03

Date	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)
AUG 27...	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1	<.06

Date	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	2-Ethyltoluene water unfltrd ug/L (77220)	3-Chloropropene water unfltrd ug/L (78109)
AUG 27...	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.03	<.06	<.07

Date	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromoethene, water, unfltrd ug/L (50002)	Bromomethane water unfltrd ug/L (34413)	Carbon disulfide water unfltrd ug/L (77041)	Chlorobenzene water unfltrd ug/L (34301)	Chloroethane, water, unfltrd ug/L (34311)
AUG 27...	<.05	<.07	<7	<1	<.04	<.04	<.07	<.05	<.1	<.3	<.07	<.03	<.1

313808084093601 Site Name. —12M017---continued.

Date	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)
AUG 27...	<.2	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1

Date	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)
AUG 27...	<.2	<.25	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04

Date	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)
AUG 27...	<.07	<.03	<.04	<.05	<.2	<.05	<.03	<.06	<2	<.05	<.03	<.09	<.7

Date	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
AUG 27...	<.06	<.04	<.09	<.02	<.1	21	70	.13	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

314030084060001 Site Name. —13M046

LOCATION.—Lat 31°40’30”, long 84°06’00”, Lee County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---May 1990, August to September 1995, and August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT 02...	1600	1028	80020	.82	58	4040	.1	763	6.9	79	8.0	162	21.9

Date	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)
OCT 02...	77	6	30.3	.354	E.09n	.1	1.45	71	87	.02	2.64	<.17	12.2

Date	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)
OCT 02...	.3	98	<.10	<.04	1.80	<.008	E.01	E.3n	<2	<.30	<.3	7	<.06

Date	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)
OCT 02...	E6	<.04	E.8	.06	.3	<10	.38	E.3	<.2	<.3	<.06	<.5	<.20

Date	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)
OCT 02...	29.1	<.04	.9	2	<.006	<.006	<.006	<.004	<.005	<.007	<.050	<.010	<.020

314030084060001 Site Name. —13M046---continued.

Date	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)
OCT 02...	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.006

Date	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)
OCT 02...	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011

Date	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)
OCT 02...	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06

Date	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)
OCT 02...	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03

Date	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	2-Ethyltoluene water unfltrd ug/L (77220)	3-Chloropropene water unfltrd ug/L (78109)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)
OCT 02...	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.04	<.06	<.12	<.05	<.12	<7

Date	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromoethene, water, unfltrd ug/L (50002)	Bromomethane water unfltrd ug/L (34413)	Carbon disulfide water unfltrd ug/L (77041)	Chlorobenzene water unfltrd ug/L (34301)	Chloroethane, water, unfltrd ug/L (34311)	Chloromethane water unfltrd ug/L (34418)	cis-1,2-Dichloroethene, water, unfltrd ug/L (77093)	cis-1,3-Dichloropropene water unfltrd ug/L (34704)
OCT 02...	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04	<.09

314030084060001 Site Name. —13M046---continued.

Date	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)
OCT 02...	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4

Date	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)
OCT 02...	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07	<.06	<.04

Date	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)
OCT 02...	<.05	<.2	<.10	<.03	<.06	<2	<.05	<.03	<.09	<.7	<.10	<.04	<.09

Date	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
OCT 02...	<.02	<.1	16	40	.22	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

310804084455501 Site Name. —07H018

LOCATION.—Lat 31°08’04”, long 84°45’55”, referenced to North American Datum (NAD) of 1927, Miller County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---August to September 1995, and August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
SEP 23...	1900	1028	80020	34.75	70	4040	3.5	760	5.4	61	7.7	232	21.1

Date	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
SEP 23...	110	6	44.4	.437	.12	.1	2.01	4	106	130	E.02n	4.09	<.10

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)
SEP 23...	6.80	.5	130	140	<.10	<.04	1.82	<.008	E.01	E.2n	<1	<.05	<.2

Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
SEP 23...	3	.09	E6	.06	.9	.08	2.8	<10	.21	<.3	.3	<.2	1.32

Date	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)
SEP 23...	<.3	<1	17.2	<.04	.8	76	<.006	E.013	<.006	<.004	<.005	.011	<.050

310804084455501 Site Name. —07H018---continued.

Date	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)
SEP 23...	<.010	<.020	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035

Date	Mala-thion, water, fltrd, ug/L (39532)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)
SEP 23...	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004

Date	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfltrd ug/L (34516)
SEP 23...	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03	<.09

Date	CFC-113 water unfltrd ug/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3,4 Tetra-methyl-benzene water unfltrd ug/L (49999)	1,2,3,5 Tetra-methyl-benzene water unfltrd ug/L (50000)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)	1,2,3-Tri-chloro-propane water unfltrd ug/L (77443)	1,2,3-Tri-methyl-benzene water unfltrd ug/L (77221)	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)	1,2,4-Tri-methyl-benzene water unfltrd ug/L (77222)	Dibromo chloro-propane water unfltrd ug/L (82625)
SEP 23...	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5

Date	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water unfltrd ug/L (34541)	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,3-Di-chloro-propane water unfltrd ug/L (77173)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	2,2-Di-chloro-propane water unfltrd ug/L (77170)	2-Chloro-toluene water unfltrd ug/L (77275)	2-Ethyl-toluene water unfltrd ug/L (77220)	3-Chloro-propene water unfltrd ug/L (78109)	4-Chloro-toluene water unfltrd ug/L (77277)
SEP 23...	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.03	<.06	<.07	<.05

Date	4-Iso-propyl-toluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water unfltrd ug/L (34413)	Carbon di-sulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)
SEP 23...	<.07	<7	<1	<.04	<.04	<.07	<.05	<.1	<.3	<.07	<.03	<.1	<.2

310804084455501 Site Name. —07H018---continued.

Date	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)
SEP 23...	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2

Date	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)
SEP 23...	<.25	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07

Date	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)
SEP 23...	<.03	<.04	<.05	<.2	<.05	<.03	<.06	<2	<.05	<.03	<.09	<.7	<.06

Date	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
SEP 23...	<.04	<.09	<.02	<.1	20	60	.05	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

310645084241401 Site Name. —10G314

LOCATION.—Lat 31°06’45”, long 84°24’14”, referenced to North American Datum (NAD) of 1983, Mitchell County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
SEP 25...	1000	1028	80020	47.57	77	4040	.3	762	5.9	66	7.8	221	20.9

Date	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
SEP 25...	110	20	42.2	1.31	.19	.1	1.99	4	91	111	E.03n	3.61	<.10

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)
SEP 25...	7.13	.8	127	134	<.10	<.04	3.37	<.008	E.01	<.3	<1	<.05	E.1

Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
SEP 25...	4	<.06	E7	<.04	E.7	.08	1.1	<10	3.95	E.2	E.1	<.2	1.18

Date	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)
SEP 25...	<.3	<1	34.0	<.04	1.1	12	<.006	<.006	<.006	.015	<.005	.009	<.050

310645084241401 Site Name. —10G314---continued.

Date	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)
SEP 25...	<.010	<.020	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035

Date	Mala-thion, water, fltrd, ug/L (39532)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)
SEP 25...	<.027	<.006	.015	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004

Date	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2 -Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2 -Tetra-chloro-ethane, water, unfltrd ug/L (34516)
SEP 25...	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03	<.09

Date	CFC-113 water unfltrd ug/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3,4 Tetra-methyl-benzene water unfltrd ug/L (49999)	1,2,3,5 Tetra-methyl-benzene water unfltrd ug/L (50000)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)	1,2,3-Tri-chloro-propane water unfltrd ug/L (77443)	1,2,3-Tri-methyl-benzene water unfltrd ug/L (77221)	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)	1,2,4-Tri-methyl-benzene water unfltrd ug/L (77222)	Dibromo chloro-propane water unfltrd ug/L (82625)
SEP 25...	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5

Date	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water unfltrd ug/L (34541)	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,3-Di-chloro-propane water unfltrd ug/L (77173)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	2,2-Di-chloro-propane water unfltrd ug/L (77170)	2-Chloro-toluene water unfltrd ug/L (77275)	2-Ethyl-toluene water unfltrd ug/L (77220)	3-Chloro-propene water unfltrd ug/L (78109)	4-Chloro-toluene water unfltrd ug/L (77277)
SEP 25...	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.03	<.06	<.07	<.05

Date	4-Iso-propyl-toluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water unfltrd ug/L (34413)	Carbon di-sulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)
SEP 25...	<.07	<7	<1	<.04	<.04	<.07	<.05	<.1	<.3	<.07	<.03	<.1	<.2

310645084241401 Site Name. —10G314---continued.

Date	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)
SEP 25...	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2

Date	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)
SEP 25...	<.25	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07

Date	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)
SEP 25...	<.03	<.04	<.05	<.2	<.05	<.03	<.06	<2	<.05	<.03	<.09	<.7	<.06

Date	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
SEP 25...	<.04	<.09	<.02	<.1	17	120	.17	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

311802084192302 Site Name. —11J012

LOCATION.—Lat 31°18’02”, long 84°19’23”, referenced to North American Datum (NAD) of 1927, Mitchell County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---August 1980, April 1981, August to September 1995, and August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
AUG 29...	1200	1028	80020	51.30	185	4040	4.6	761	6.1	71	7.4	290	22.6

Date	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
AUG 29...	130	18	52.4	.908	.34	.1	2.68	4	116	142	E.02n	4.40	<.10

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L* (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L+ (71856)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)
AUG 29...	7.23	.9	156	181	<.10	E.03	16.5	3.73	3.79	.191	.058	<.02	E.2n

Date	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)
AUG 29...	<1	<.05	<.2	6	<.06	E5	<.04	E.8	.15	.5	E5	<.08	.4

Date	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)
AUG 29...	8.2	.6	2.91	<.3	<1	29.8	<.04	.3	3	<.006	E.006	<.006	<.004

311802084192302 Site Name. —11J012---continued.

Date	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)
AUG 29...	<.005	E.007n	<.050	<.010	<.020	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005

Date	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)
AUG 29...	<.003	<.004	<.035	<.027	<.006	E.007n	<.006	<.002	<.007	<.003	<.010	<.004	<.022

Date	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)
AUG 29...	<.011	<.01	<.004	<.010	<.011	<.02	E.004n	<.02	<.034	<.02	<.005	<.002	<.009

Date	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)
AUG 29...	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1

Date	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)
AUG 29...	<.1	E.01	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.03

Date	2-Ethyltoluene water unfltrd ug/L (77220)	3-Chloropropene water unfltrd ug/L (78109)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromoethene, water, unfltrd ug/L (50002)	Bromomethane water unfltrd ug/L (34413)	Carbon disulfide water unfltrd ug/L (77041)
AUG 29...	<.06	<.07	<.05	<.07	<7	<1	<.04	<.04	<.07	<.05	<.1	<.3	<.07

311802084192302 Site Name. —11J012---continued.

Date	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)
AUG 29...	<.03	<.1	<.2	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0

Date	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)
AUG 29...	<.03	<.1	<.2	<.25	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7

Date	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)
AUG 29...	<.2	<.04	<.07	<.03	<.04	<.05	<.2	<.05	<.03	<.06	<2	<.05	<.03

Date	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
AUG 29...	<.09	<.7	<.06	<.04	<.09	E.01	<.1	17	80	.09	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value
* -- As NO3
+ -- As NO2

Value qualifier codes used in this report:
n -- Below the NDV

3047580845513 Site Name. —06E023

LOCATION.—Lat 30°47’58”, long 84°55’13”, Seminole County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—February 2000 to December 2000, and August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
DEC 10...	1400	1028	80020	7.60	68	4040	.2	765	2.2	24	7.6	268	20.1

Date	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
DEC 10...	130	8	50.6	1.25	.54	.1	1.72	3	124	151	.03	2.69	<.17

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	E coli, MI MF, water, col/ 100 mL (90901)	Total coliform, MI MF, water, col/ 100 mL (90900)	Aluminum, water, fltrd, ug/L (01106)
DEC 10...	7.82	.7	141	155	<.10	<.04	.28	<.008	E.02	<.3	<1	<1	<2

Date	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)
DEC 10...	<.30	<.3	9	<.06	E7	<.04	1.2	.09	1.0	<10	.34	<.5	2.0

Date	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)
DEC 10...	<.3	1.43	<.5	<.20	28.0	<.04	.4	2	<.006	<.006	<.006	<.004	<.005

3047580845513 Site Name. —06E023---continued.

Date	Atrazine, water, fltrd, ug/L (39632)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinylfipronil amide, wat flt ug/L (62169)
DEC 10...	<.007	<.050	<.010	<.020	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.009

Date	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)
DEC 10...	<.005	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003

Date	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)
DEC 10...	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02

Date	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)
DEC 10...	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2

Date	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)
DEC 10...	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1

Date	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	2-Ethyltoluene water unfltrd ug/L (77220)	3-Chloropropene water unfltrd ug/L (78109)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)
DEC 10...	<.05	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05

3047580845513 Site Name. —06E023---continued.

Date	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water unfltrd ug/L (34413)	Carbon di-sulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)
DEC 10...	<.1	<.3	<.07	<.03	<.1	<.2	<.04	<.09	<.2	<.05	<.18	<.2	<.2

Date	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)
DEC 10...	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08

Date	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)
DEC 10...	<.06	<.5	<.7	<.2	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06

Date	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)
DEC 10...	<2	<.05	<.03	<.09	<.7	<.10	<.04	<.09	E.03	<.1	19	150	.12

Date	Sample purpose code (71999)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
DEC 10...	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

UPPER FLORIDAN AQUIFER
2003 Water Year

3053560845334601 Site Name. —06F001

LOCATION.—Lat 30°53’49”, long 84°53’55”, Seminole County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—April 1981, August to September 1995, and August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)
SEP 09...	1200	1028	80020	34.67	132	67.0	4040	20	767	5.4	62	7.4	300

Date	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)
SEP 09...	22.3	150	26	58.4	1.24	.44	.1	2.23	3	123	152	.04	5.35

Date	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)
SEP 09...	<.11	6.29	.6	172	176	<.10	<.04	5.21d	<.008	E.01n	E.2n	<1	E.03n

Date	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)
SEP 09...	<.2	8	<.06	7	<.04	1.0	.18	.4	<10	<.08	E.3n	.1	E.1n

Date	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)
SEP 09...	3.98	E.2n	<1	30.0	<.04	.6	<1	<.006	E.007	<.006	<.004	<.005	.008

3053560845334601 Site Name. —06F001---continued.

Date	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)
SEP 09...	<.050	<.010	<.020	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004

Date	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)
SEP 09...	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01

Date	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)
SEP 09...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03

Date	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)
SEP 09...	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1	<.06

Date	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	2-Ethyltoluene water unfltrd ug/L (77220)	3-Chloropropene water unfltrd ug/L (78109)
SEP 09...	<.5	<.04	<.03	<.1	.13	<.04	<.03	<.1	<.05	<.05	<.03	<.06	<.07

Date	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromoethene, water, unfltrd ug/L (50002)	Bromomethane water unfltrd ug/L (34413)	Carbon disulfide water unfltrd ug/L (77041)	Chlorobenzene water unfltrd ug/L (34301)	Chloroethane, water, unfltrd ug/L (34311)
SEP 09...	<.05	<.07	<7	<1	<.04	<.04	<.07	<.05	<.1	<.3	<.07	<.03	<.1

3053560845334601 Site Name. —06F001---continued.

Date	Chloromethane water unfltrd ug/L (34418)	cis-1,2-Dichloroethene, water, unfltrd ug/L (77093)	cis-1,3-Dichloropropene water unfltrd ug/L (34704)	Dibromochloromethane water unfltrd ug/L (32105)	Dibromomethane water unfltrd ug/L (30217)	Dichlorodifluoromethane wat unf ug/L (34668)	Dichloromethane water unfltrd ug/L (34423)	Diethyl ether, water, unfltrd ug/L (81576)	Diisopropyl ether, water, unfltrd ug/L (81577)	Ethyl methacrylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethylbenzene water unfltrd ug/L (34371)	Hexachlorobutadiene, water, unfltrd ug/L (39702)
SEP 09...	<.2	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1

Date	Hexachloroethane, water, unfltrd ug/L (34396)	Iodomethane water unfltrd ug/L (77424)	Isobutyl methyl ketone, water, unfltrd ug/L (78133)	Isopropylbenzene water unfltrd ug/L (77223)	Methacrylonitrile water unfltrd ug/L (81593)	Methyl acrylate, water, unfltrd ug/L (49991)	Methyl methacrylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphthalene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butylbenzene water unfltrd ug/L (77342)	n-propylbenzene water unfltrd ug/L (77224)
SEP 09...	<.2	<.25	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04

Date	o-Xylene, water, unfltrd ug/L (77135)	sec-Butylbenzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butylbenzene water unfltrd ug/L (77353)	Tetrachloroethene, water, unfltrd ug/L (34475)	Tetrachloromethane water unfltrd ug/L (32102)	Tetrahydrofuran, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Dichloroethene, water, unfltrd ug/L (34546)	trans-1,3-Dichloropropene water unfltrd ug/L (34699)	trans-1,4-Dichloro-2-butene, wat unf ug/L (73547)
SEP 09...	<.07	<.03	<.04	<.05	<.2	<.05	<.03	<.06	<2	<.05	<.03	<.09	<.7

Date	Tribromomethane water unfltrd ug/L (32104)	Trichloroethene, water, unfltrd ug/L (39180)	Trichlorofluoromethane water unfltrd ug/L (34488)	Trichloromethane water unfltrd ug/L (32106)	Vinyl chloride, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sampling condition, code (72006)
SEP 09...	<.06	<.04	<.09	<.02	<.1	24	110	.10	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
d -- Diluted sample: method hi range exceeded
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

305133084461201 Site Name. —07E043

LOCATION.—Lat 30°51’33”, long 84°46’12”, referenced to North American Datum (NAD) of 1927, Seminole County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---August to September 1995, and August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT 02...	1000	1028	80020	35.51	55	4040	.1	766	5.5	62	7.8	199	21.5

Date	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
OCT 02...	96	10	37.3	.567	.13	.1	1.62	4	85	104	.03	3.08	<.17

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	E coli, MI MF, water, col/ 100 mL (90901)	Total coliform, MI MF, water, col/ 100 mL (90900)	Aluminum, water, fltrd, ug/L (01106)
OCT 02...	6.41	.2	111	119	<.10	<.04	2.46	<.008	E.01	E.2n	<1	<1	<2

Date	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)
OCT 02...	<.30	<.3	3	E.04	E7	<.04	<.8	.08	.4	<10	.17	<.5	<.2

Date	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)
OCT 02...	<.3	.08	<.5	<.20	18.6	<.04	.4	17	<.006	E.004	<.006	<.004	<.005

UPPER FLORIDAN AQUIFER
2003 Water Year

305133084461201 Site Name. —07E043

Date	Atrazine, water, fltrd, ug/L (39632)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)
OCT 02...	E.006n	<.050	<.010	<.020	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003

Date	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)
OCT 02...	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011

Date	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)
OCT 02...	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03

Date	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)
OCT 02...	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1

Date	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	2-Ethyltoluene water unfltrd ug/L (77220)
OCT 02...	<.06	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.04	<.06

Date	3-Chloropropene water unfltrd ug/L (78109)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromoethene, water, unfltrd ug/L (50002)	Bromomethane water unfltrd ug/L (34413)	Carbon disulfide water unfltrd ug/L (77041)	Chlorobenzene water unfltrd ug/L (34301)
OCT 02...	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03

UPPER FLORIDAN AQUIFER
2003 Water Year

305133084461201 Site Name. —07E043

Date	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)
OCT 02...	<.1	<.2	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03

Date	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)
OCT 02...	<.1	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2

Date	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)
OCT 02...	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	<.03	<.09

Date	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
OCT 02...	<.7	<.10	<.04	<.09	E.06	<.1	17	80	.06	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

305705084484201 Site Name. —07F007

LOCATION.—Lat 30°57’05”, long 84°48’42”, referenced to North American Datum (NAD) of 1927, Seminole County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---August to September 1995, and August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
SEP 23...	1400	1028	80020	36.03	70	4040	3.2	762	6.0	68	7.5	276	21.3

Date	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
SEP 23...	140	6	54.1	.776	.23	.1	2.01	3	132	161	E.03n	3.71	<.10

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)
SEP 23...	5.69	.7	157	169	<.10	<.04	2.40	<.008	E.01	<.3	<1	E.03	<.2

Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
SEP 23...	7	<.06	E5	E.02	E.5	.26	2.6	E7	.22	<.3	11.1	<.2	1.75

Date	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)
SEP 23...	<.3	<1	24.3	<.04	1.2	17	<.006	E.006	<.006	<.004	<.005	.013	<.050

UPPER FLORIDAN AQUIFER
2003 Water Year

305705084484201 Site Name. —07F007---continued.

Date	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)
SEP 23...	<.010	<.020	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035

Date	Mala-thion, water, fltrd, ug/L (39532)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)
SEP 23...	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004

Date	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2 -Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2 -Tetra-chloro-ethane, water, unfltrd ug/L (34516)
SEP 23...	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03	<.09

Date	CFC-113 water unfltrd ug/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3,4 Tetra-methyl-benzene water unfltrd ug/L (49999)	1,2,3,5 Tetra-methyl-benzene water unfltrd ug/L (50000)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)	1,2,3-Tri-chloro-propane water unfltrd ug/L (77443)	1,2,3-Tri-methyl-benzene water unfltrd ug/L (77221)	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)	1,2,4-Tri-methyl-benzene water unfltrd ug/L (77222)	Dibromo chloro-propane water unfltrd ug/L (82625)
SEP 23...	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5

Date	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water unfltrd ug/L (34541)	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,3-Di-chloro-propane water unfltrd ug/L (77173)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	2,2-Di-chloro-propane water unfltrd ug/L (77170)	2-Chloro-toluene water unfltrd ug/L (77275)	2-Ethyl-toluene water unfltrd ug/L (77220)	3-Chloro-propene water unfltrd ug/L (78109)	4-Chloro-toluene water unfltrd ug/L (77277)
SEP 23...	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.03	<.06	<.07	<.05

Date	4-Iso-propyl-toluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water unfltrd ug/L (34413)	Carbon di-sulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)
SEP 23...	<.07	<7	<1	<.04	<.04	<.07	<.05	<.1	<.3	<.07	<.03	<.1	<.2

305705084484201 Site Name. —07F007---continued.

Date	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)
SEP 23...	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2

Date	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)
SEP 23...	<.25	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07

Date	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)
SEP 23...	<.03	<.04	<.05	<.2	<.05	<.03	<.06	<2	<.05	<.03	<.09	<.7	<.06

Date	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
SEP 23...	<.04	<.09	<.02	<.1	21	100	.06	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

3135020835548 Site Name. —14L046

LOCATION.—Lat 31°35’02”, long 83°55’48”, referenced to North American Datum (NAD) of 1927, Worth County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---August to September 1995, and August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT 01...	1700	1028	80020	104.09	47	4040	.1	761	6.6	75	7.6	263	21.7

Date	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
OCT 01...	140	11	51.0	1.95	.34	.1	2.04	3	124	152	.02	4.44	<.17

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	E coli, MI MF, water, col/ 100 mL (90901)	Total coliform, MI MF, water, col/ 100 mL (90900)	Aluminum, water, fltrd, ug/L (01106)
OCT 01...	13.2	.9	155	160	<.10	<.04	1.47	<.008	E.01	E.3n	<1	8k	<2

Date	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)
OCT 01...	<.30	<.3	21	E.04n	8	<.04	1.1	.10	.9	<10	.46	.6	<.2

Date	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)
OCT 01...	<.3	.24	<.5	<.20	114	<.04	1.5	47	<.006	<.006	<.006	<.004	<.005

3135020835548 Site Name. —14L046---continued.

Date	Atrazine, water, fltrd, ug/L (39632)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)
OCT 01...	<.007	<.050	<.010	<.020	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003

Date	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)
OCT 01...	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011

Date	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)
OCT 01...	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03

Date	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)	1,2,3-Trichloropropane water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)
OCT 01...	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1

Date	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	2-Ethyltoluene water unfltrd ug/L (77220)
OCT 01...	E.01	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.03	<.06

Date	3-Chloropropene water unfltrd ug/L (78109)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromoethene, water, unfltrd ug/L (50002)	Bromomethane water unfltrd ug/L (34413)	Carbon disulfide water unfltrd ug/L (77041)	Chlorobenzene water unfltrd ug/L (34301)
OCT 01...	<.07	<.05	<.07	<7	<1	<.04	<.04	<.07	<.05	<.1	<.3	<.07	<.03

3135020835548 Site Name. —14L046---continued.

Date	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)
OCT 01...	<.1	<.2	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03

Date	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)
OCT 01...	<.1	<.2	<.25	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2

Date	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)
OCT 01...	<.04	<.07	<.03	<.04	<.05	<.2	<.05	<.03	<.06	<2	<.05	<.03	<.09

Date	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
OCT 01...	<.7	<.06	<.04	<.09	<.02	<.1	19	130	.55	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
k -- Counts outside acceptable range
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

314852083542001 Site Name. —14N004

LOCATION.—Lat 31°48’52”, long 83°54’20”, referenced to North American Datum (NAD) of 1927, Worth County.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.---May 1990, August to September 1995, and August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT 03...	1100	1028	80020	26.30	105	4040	.1	762	3.8	43	7.6	253	20.8

Date	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)
OCT 03...	120	7	47.9	.993	.22	.1	1.90	3	116	142	.02	3.06	<.17

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)
OCT 03...	9.81	1.2	142	147	<.10	<.04	1.66	<.008	<.02	E.3n	M	<.30	E.1

Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
OCT 03...	8	E.03	E7	<.04	.9	.10	1.8	<10	.36	.7	<.2	<.3	.10

Date	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)
OCT 03...	.6	<.20	72.7	<.04	.7	11	<.006	<.006	<.006	<.004	<.005	<.007	<.050

314852083542001 Site Name. —14N004---continued.

Date	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)
OCT 03...	<.010	<.020	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035

Date	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)
OCT 03...	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004

Date	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)
OCT 03...	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03	<.09

Date	CFC-113 water unfltrd ug/L (77652)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)
OCT 03...	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5

Date	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	2-Ethyltoluene water unfltrd ug/L (77220)	3-Chloropropene water unfltrd ug/L (78109)	4-Chlorotoluene water unfltrd ug/L (77277)
OCT 03...	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.04	<.06	<.12	<.05

Date	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromoethene, water, unfltrd ug/L (50002)	Bromomethane water unfltrd ug/L (34413)	Carbon disulfide water unfltrd ug/L (77041)	Chlorobenzene water unfltrd ug/L (34301)	Chloroethane, water, unfltrd ug/L (34311)	Chloromethane water unfltrd ug/L (34418)
OCT 03...	<.12	<7	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2

314852083542001 Site Name. —14N004---continued.

Date	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)
OCT 03...	<.04	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2

Date	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)
OCT 03...	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07

Date	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)
OCT 03...	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	<.03	<.09	<.7	<.10

Date	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
OCT 03...	<.04	<.09	<.02	<.1	16	40	.21	15.00	4040	8.00

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

310153085225901 Site Name. —SU-16B

LOCATION.—Lat 31°01’53”, long 85°22’59”, referenced to North American Datum (NAD) of 1927, Houston County, Alabama.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
DEC 13...	1100	1028	80020	4040	.1	766	7.4	84	8.0	180	22.0	96	36.4

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)
DEC 13...	1.30	3.16	.1	1.90	4	E80e	E98e	.03	5.61	<.17	6.50	.9	129

Date	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	E coli, MI MF, water, col/ 100 mL (90901)	Total coliform, MI MF, water, col/ 100 mL (90900)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)
DEC 13...	<.10	<.04	4.97	<.008	E.01n	E.2n	<1	<1	Mn	<.30	<.3	10	<.06

Date	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)
DEC 13...	10	<.04	2.5	.11	.8	<10	.16	E.5n	<.2	<.3	2.92	<.5	<.20

Date	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)
DEC 13...	23.1	E.03n	.9	3	<.006	<.006	<.006	<.004	<.005	<.007	<.050	<.010	<.020

310153085225901 Site Name. —SU-16B---continued.

Date	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinylfipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)
DEC 13...	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003

Date	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)
DEC 13...	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011

Date	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)
DEC 13...	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03

Date	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)
DEC 13...	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1

Date	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	2-Ethyltoluene water unfltrd ug/L (77220)
DEC 13...	<.06	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.04	<.06

Date	3-Chloropropene water unfltrd ug/L (78109)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromoethene, water, unfltrd ug/L (50002)	Bromomethane water unfltrd ug/L (34413)	Carbon disulfide water unfltrd ug/L (77041)	Chlorobenzene water unfltrd ug/L (34301)
DEC 13...	<.12mc	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05	<.1	<.3mc	<.07	<.03

UPPER FLORIDAN AQUIFER
2003 Water Year

310153085225901 Site Name. —SU-16B

Date	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)
DEC 13...	<.1	<.2mc	<.04	<.09	<.2	<.05	<.18mc	<.2	<.2	<.10	<.2	<5.0	<.03

Date	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)
DEC 13...	<.1	<.2	<.35mc	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2

Date	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)
DEC 13...	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	<.03	<.09

Date	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)
DEC 13...	<.7	<.10	<.04	<.09	<.02	<.1	.05	15.00	4040

Remark codes used in this report:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Value qualifier codes used in this report:
c -- See laboratory comment
e -- See field comment
m -- Highly var comp using method, ? prec
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

310132085024001 Site Name. —SU-17

LOCATION.—Lat 31°01’32”, long 85°02’40”, referenced to North American Datum (NAD) of 1927, Houston County, Alabama.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—April 1980, July 1981, June 1982, June 1983, August to September 1995, and August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)
SEP 30...	1800	1028	80020	4040	5.0	765	7.6	87	8.0	182	22.0	85	11

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
SEP 30...	33.1	.446	.23	.1	1.54	4	74	90	.03	3.35	<.11	5.64	.2

Date	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)
SEP 30...	102	110	<.10	<.04	2.87	<.008	E.01n	.4	<1	E.03n	<.2	4	<.06

Date	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)
SEP 30...	E7n	<.04	E.8n	.08	.3	18	<.08	<.3	.5	E.1n	.70	<.3	<1

Date	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)
SEP 30...	16.2	<.04	.4	<1	<.006	<.006	<.006	.039	<.005	<.007	<.050	<.010	<.020

310132085024001 Site Name. —SU-17---continued.

Date	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)
SEP 30...	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.006

Date	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)
SEP 30...	.021	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011

Date	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)
SEP 30...	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06

Date	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)
SEP 30...	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03

Date	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	2-Ethyltoluene water unfltrd ug/L (77220)	3-Chloropropene water unfltrd ug/L (78109)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)
SEP 30...	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.03	<.06	<.07mc	<.05	<.07	<7

Date	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromoethene, water, unfltrd ug/L (50002)	Bromomethane water unfltrd ug/L (34413)	Carbon disulfide water unfltrd ug/L (77041)	Chlorobenzene water unfltrd ug/L (34301)	Chloroethane, water, unfltrd ug/L (34311)	Chloromethane water unfltrd ug/L (34418)	cis-1,2-Dichloroethene, water, unfltrd ug/L (77093)	cis-1,3-Dichloropropene water unfltrd ug/L (34704)
SEP 30...	<1	<.04	<.04	<.07	<.05	<.1	<.3mc	<.07	<.03	<.1	<.2mc	<.04	<.09

310132085024001 Site Name. —SU-17---continued.

Date	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)
SEP 30...	<.2	<.05	<.18mc	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.25mc	<.4

Date	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)
SEP 30...	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07	<.03	<.04

Date	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)
SEP 30...	<.05	<.2	<.05	<.03	<.06	<2	<.05	<.03	<.09	<.7	<.06	<.04	<.09

Date	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)
SEP 30...	E.04	<.1	19	80	.05	15.00	4040

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
c -- See laboratory comment
m -- Highly var comp using method, ? prec
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

305853085135401 Site Name. —SU-24

LOCATION.—Lat 30°58’53”, long 85°13’54”, referenced to North American Datum (NAD) of 1927, Jackson County, Florida.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August to September 1995, and August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)
DEC 12...	1200	1028	80020	4040	.2	771	5.6	61	7.7	233	20.4	110	19

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
DEC 12...	41.5	1.41	.30	.1	1.82	3	90	110	.05	5.21	<.17	6.35	.4

Date	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)
DEC 12...	129	143	<.10	<.04	3.92	<.008	E.01n	E.3n	E1n	<.30	<.3	7	E.05n

Date	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)
DEC 12...	12	<.04	E.7n	.04	2.2	<10	.44	E.4n	.3	<.3	.75	<.5	<.20

Date	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)
DEC 12...	35.0	E.02n	.8	18	<.006	E.004	<.006	<.004	<.005	E.005n	<.050	<.010	<.020

UPPER FLORIDAN AQUIFER
2003 Water Year

305853085135401 Site Name. —SU-24

Date	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinylfipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)
DEC 12...	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003

Date	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)
DEC 12...	<.004	<.035	<.027	<.006	E.004t	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011

Date	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)
DEC 12...	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03

Date	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)
DEC 12...	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1

Date	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	2-Ethyltoluene water unfltrd ug/L (77220)
DEC 12...	<.06	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.04	<.06

Date	3-Chloropropene water unfltrd ug/L (78109)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromoethene, water, unfltrd ug/L (50002)	Bromomethane water unfltrd ug/L (34413)	Carbon disulfide water unfltrd ug/L (77041)	Chlorobenzene water unfltrd ug/L (34301)
DEC 12...	<.12mc	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05	<.1	<.3mc	<.07	<.03

UPPER FLORIDAN AQUIFER
2003 Water Year

305853085135401 Site Name. —SU-24

Date	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)
DEC 12...	<.1	<.2mc	<.04	<.09	<.2	<.05	<.18mc	<.2	<.2	<.10	<.2	<5.0	<.03

Date	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)
DEC 12...	<.1	<.2	<.35mc	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2

Date	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)
DEC 12...	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	<.03	<.09

Date	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)
DEC 12...	<.7	<.10	<.04	<.09	<.02	<.1	18	70	.10	15.00	4040

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
c -- See laboratory comment
m -- Highly var comp using method, ? prec
n -- Below the NDV
t -- Below the long-term MDL

UPPER FLORIDAN AQUIFER
2003 Water Year

305940085243301 Site Name. —SU-25B

LOCATION.—Lat 30°59’40”, long 85°24’33”, referenced to North American Datum (NAD) of 1927, Jackson County, Florida.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)
DEC 11...	1100	1028	80020	4040	.3	766	.5	5	7.8	252	18.8	120	12

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
DEC 11...	38.2	6.69	.82	.2	3.82	6	111	135	.02	2.94	<.17	22.4	8.8

Date	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	E coli, MI MF, water, col/ 100 mL (90901)	Total coliform, MI MF, water, col/ 100 mL (90900)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)
DEC 11...	150	169	E.06n	E.02n	<.06	<.008	E.01n	E.3n	<1	<1	<2	<.30	.9

Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
DEC 11...	14	.10	22	<.04	<.8	.03	.3	51	1.62	1.6	3.1	.6	.55

Date	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)
DEC 11...	<.5	<.20	211	.05	.1	22	<.006	<.006	<.006	<.004	<.005	<.007	<.050

305940085243301 Site Name. —SU-25BB---continued.

Date	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)
DEC 11...	<.010	<.020	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005

Date	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala-thion, water, fltrd, ug/L (39532)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)
DEC 11...	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004

Date	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)
DEC 11...	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002

Date	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3,4 Tetra-methyl-benzene water unfltrd ug/L (49999)	1,2,3,5 Tetra-methyl-benzene water unfltrd ug/L (50000)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)	1,2,3-Tri-chloro-propane water unfltrd ug/L (77443)
DEC 11...	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16

Date	1,2,3-Tri-methyl-benzene water unfltrd ug/L (77221)	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)	1,2,4-Tri-methyl-benzene water unfltrd ug/L (77222)	Dibromo chloro-propane water unfltrd ug/L (82625)	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water unfltrd ug/L (34541)	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,3-Di-chloro-propane water unfltrd ug/L (77173)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	2,2-Di-chloro-propane water unfltrd ug/L (77170)
DEC 11...	<.1	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05

Date	2-Chloro-toluene water unfltrd ug/L (77275)	2-Ethyl-toluene water unfltrd ug/L (77220)	3-Chloro-propene water unfltrd ug/L (78109)	4-Chloro-toluene water unfltrd ug/L (77277)	4-Iso-propyl-toluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water unfltrd ug/L (34413)
DEC 11...	<.04	<.06	<.12mc	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05	<.1	<.3mc

305940085243301 Site Name. —SU-25B---continued.

Date	Carbon di-sulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)
DEC 11...	.12	<.03	<.1	<.2mc	<.04	<.09	<.2	<.05	<.18mc	<.2	<.2	<.10	<.2

Date	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)
DEC 11...	<5.0	<.03	<.1	<.2	<.35mc	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5

Date	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)
DEC 11...	<.7	<.2	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05

Date	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)
DEC 11...	<.03	<.09	<.7	<.10	<.04	<.09	<.02	<.1	20	90	E.01n	15.00	4040

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
c -- See laboratory comment
m -- Highly var comp using method, ? prec
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

304826085125801 Site Name. —SU-26B

LOCATION.—Lat 30°48’26”, long 85°12’58”, referenced to North American Datum (NAD) of 1983, Jackson County, Florida.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)
JAN 30...	1100	1028	80020	4040	.2	768	8.1	87	7.1	269	19.2	130	11

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
JAN 30...	46.4	3.52	.33	.1	2.22	4	120	146	.03	2.88	<.17	8.48	.7

Date	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)
JAN 30...	142	146	<.10	<.04	1.26	<.008	E.01n	<.3	<2	<.30	.6	6	<.06

Date	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)
JAN 30...	9	<.04	1.3	.09	7.7	<10	.58	E.4n	<.2	<.3	1.62	<.5	<.20

Date	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)
JAN 30...	66.7	<.04	.9	110	<.006	<.006	<.006	<.004	<.005	<.007	<.050	<.010	<.020

304826085125801 Site Name. —SU-26B---continued.

Date	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinylfipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)
JAN 30...	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003

Date	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)
JAN 30...	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011

Date	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)
JAN 30...	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03

Date	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)
JAN 30...	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1

Date	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	2-Ethyltoluene water unfltrd ug/L (77220)
JAN 30...	<.06	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.04	<.06

Date	3-Chloropropene water unfltrd ug/L (78109)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromoethene, water, unfltrd ug/L (50002)	Bromomethane water unfltrd ug/L (34413)	Carbon disulfide water unfltrd ug/L (77041)	Chlorobenzene water unfltrd ug/L (34301)
JAN 30...	<.12mc	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05	<.1	<.3mc	<.07	<.03

304826085125801 Site Name. —SU-26B---continued.

Date	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)
JAN 30...	<.1	<.2mc	<.04	<.09	<.2	<.05	<.18mc	<.2	<.2	<.10	<.2	<5.0	<.03

Date	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)
JAN 30...	<.1	<.2	<.35mc	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2

Date	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)
JAN 30...	<.04	<.07	<.06	<.04	<.05	<.2	<.10	E.04	E.03	<2	<.05	<.03	<.09

Date	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)
JAN 30...	<.7	<.10	<.04	<.09	E.02	<.1	16	80	.24	15.00	4040

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
c -- See laboratory comment
m -- Highly var comp using method, ? prec
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

304346085211701 Site Name. —SU-29

LOCATION.—Lat 30°43’46”, long 85°21’17”, referenced to North American Datum (NAD) of 1927, Jackson County, Florida.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)
DEC 09...	1100	1028	80020	4040	.2	770	4.0	43	7.8	214	19.7	110	8

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
DEC 09...	39.0	2.47	.16	.1	1.71	3	99	121	.02	2.55	<.17	7.48	.7

Date	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	E coli, MI MF, water, col/ 100 mL (90901)	Total coliform, MI MF, water, col/ 100 mL (90900)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)
DEC 09...	116	125d	<.10	<.04	.56	<.008	.02	<.3	<1	<1	<2	<.30	.3

Date	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
DEC 09...	6	<.06	13	<.04	1.3	.07	.6	<10	2.00	.7	E.2n	E.2n	1.20

Date	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)
DEC 09...	E.3n	<.20	31.8	.05	.2	10	<.006	<.006	<.006	<.004	<.005	<.007	<.050

304346085211701 Site Name. —SU-29---continued.

Date	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)
DEC 09...	<.010	<.020	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005

Date	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala-thion, water, fltrd, ug/L (39532)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)
DEC 09...	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004

Date	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)
DEC 09...	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002

Date	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetra-chloro-ethane, water, unfltrd ug/L (77562)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetra-chloro-ethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Tri-chloro-ethane, water, unfltrd ug/L (34511)	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,1-Di-chloro-propene water unfltrd ug/L (77168)	1,2,3,4 Tetra-methyl-benzene water unfltrd ug/L (49999)	1,2,3,5 Tetra-methyl-benzene water unfltrd ug/L (50000)	1,2,3-Tri-chloro-benzene water unfltrd ug/L (77613)	1,2,3-Tri-chloro-propane water unfltrd ug/L (77443)
DEC 09...	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16

Date	1,2,3-Tri-methyl-benzene water unfltrd ug/L (77221)	1,2,4-Tri-chloro-benzene water unfltrd ug/L (34551)	1,2,4-Tri-methyl-benzene water unfltrd ug/L (77222)	Dibromo chloro-propane water unfltrd ug/L (82625)	1,2-Di-bromo-ethane, water, unfltrd ug/L (77651)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water unfltrd ug/L (34541)	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,3-Di-chloro-propane water unfltrd ug/L (77173)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	2,2-Di-chloro-propane water unfltrd ug/L (77170)
DEC 09...	<.1	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05

Date	2-Chloro-toluene water unfltrd ug/L (77275)	2-Ethyl-toluene water unfltrd ug/L (77220)	3-Chloro-propene water unfltrd ug/L (78109)	4-Chloro-toluene water unfltrd ug/L (77277)	4-Iso-propyl-toluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylo-nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo-benzene water unfltrd ug/L (81555)	Bromo-chloro-methane water unfltrd ug/L (77297)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Bromo-ethene, water, unfltrd ug/L (50002)	Bromo-methane water unfltrd ug/L (34413)
DEC 09...	<.04	<.06	<.12mc	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05	<.1	<.3mc

304346085211701 Site Name. —SU-29---continued.

Date	Carbon di-sulfide water unfltrd ug/L (77041)	Chloro-benzene water unfltrd ug/L (34301)	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)
DEC 09...	<.07	<.03	<.1	<.2mc	<.04	<.09	<.2	<.05	<.18mc	<.2	<.2	<.10	<.2

Date	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)
DEC 09...	<5.0	<.03	<.1	<.2	<.35mc	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5

Date	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)
DEC 09...	<.7	<.2	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05

Date	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)
DEC 09...	<.03	<.09	<.7	<.10	<.04	<.09	E.01	<.1	19	150	.17	15.00	4040

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
c -- See laboratory comment
d -- Diluted sample: method hi range exceeded
m -- Highly var comp using method, ? prec
n -- Below the NDV

UPPER FLORIDAN AQUIFER
2003 Water Year

304421084561201 Site Name. —SU-30

LOCATION.—Lat 30°44’21”, long 84°56’12”, referenced to North American Datum (NAD) of 1927, Jackson County, Florida.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August to September 1995, and August 2002 to January 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)
DEC 11...	1600	1028	80020	4040	.2	766	4.8	52	7.8	241	19.1	120	13

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
DEC 11...	32.1	9.77	.23	.1	1.81	3	107	131	.03	4.72	<.17	9.70	.8

Date	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)
DEC 11...	131	134	<.10	<.04	1.57	<.008	E.01n	E.3n	<2	<.30	E.2n	7	<.06

Date	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)
DEC 11...	14	<.04	.8	.03	.8	<10	5.10	.7	<.2	E.2n	.52	E.3n	<.20

Date	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)
DEC 11...	33.4	.04	2.1	24	<.006	<.006	<.006	<.004	<.005	<.007	<.050	<.010	<.020

304421084561201 Site Name. —SU-30---continued.

Date	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinylfipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)
DEC 11...	<.006	<.003	<.005	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003

Date	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)
DEC 11...	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011

Date	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Trialate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)
DEC 11...	<.01	<.004	<.010	<.011	<.02	<.005	.02	<.034	<.02	<.005	<.002	<.009	<.03

Date	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)
DEC 11...	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1

Date	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	2-Ethyltoluene water unfltrd ug/L (77220)
DEC 11...	<.06	<.5	<.04	<.03	<.1	<.03	<.04	<.03	<.1	<.05	<.05	<.04	<.06

Date	3-Chloropropene water unfltrd ug/L (78109)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromoethene, water, unfltrd ug/L (50002)	Bromomethane water unfltrd ug/L (34413)	Carbon disulfide water unfltrd ug/L (77041)	Chlorobenzene water unfltrd ug/L (34301)
DEC 11...	<.12mc	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05	<.1	<.3mc	<.07	<.03

304421084561201 Site Name. —SU-30---continued.

Date	Chloro-ethane, water, unfltrd ug/L (34311)	Chloro-methane water unfltrd ug/L (34418)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	cis-1,3-Di-chloro-propene water unfltrd ug/L (34704)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-bromo-methane water unfltrd ug/L (30217)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)	Di-chloro-methane water unfltrd ug/L (34423)	Di-ethyl ether, water, unfltrd ug/L (81576)	Diiso-propyl ether, water, unfltrd ug/L (81577)	Ethyl methac-rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl-benzene water unfltrd ug/L (34371)
DEC 11...	<.1	<.2mc	<.04	<.09	<.2	<.05	E.09mc	<.2	<.2	<.10	<.2	<5.0	<.03

Date	Hexa-chloro-buta-diene, water, unfltrd ug/L (39702)	Hexa-chloro-ethane, water, unfltrd ug/L (34396)	Iodo-methane water unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Meth-acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)
DEC 11...	<.1	<.2	<.35mc	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2

Date	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)
DEC 11...	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	<.03	<.09

Date	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)	Sample purpose code (71999)	Sampler type, code (84164)
DEC 11...	<.7	<.10	<.04	<.09	E.01	<.1	23	220	.51	15.00	4040

Remark codes used in this report:
< -- Less than
E -- Estimated value

Value qualifier codes used in this report:
c -- See laboratory comment
m -- Highly var comp using method, ? prec
n -- Below the NDV

LIST OF ACTIVE AND DISCONTINUED CONTINUOUS GAGING STATIONS

The following list contains discontinued and currently operated continuous-record streamflow stations on streams within the State of Georgia and its border with adjacent States. Daily streamflow record were collected and published for the periods of record shown for each station. Some stations have monthly figures published for additional periods other than those noted in the period of record column. The stations in bold text are active gaging stations.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record
02177000	**Chattooga River near Clayton**	**34° 48'50"**	**83° 18'22"**	**207**	**Oct. 1, 1939 to current year**
02178000	Chattooga River near Tallulah Falls	34° 47'31"	83° 19'22"	256	Jan. 1, 1917 to Jan. 27, 1918
					Oct. 1, 1918 to Sep. 30, 1929
02178400	**Tallulah River near Clayton**	**34° 53'25"**	**83° 31'50"**	**56.5**	**Jul. 15, 1964 to current year**
02179000	Tallulah River near Seed	34° 46'32"	83° 31'17"	129	Jan. 1, 1916 to Apr. 25, 1920
02180500	Tiger Creek at Lakemont	34° 46'52"	83° 24'54"	26.0	Jan. 11, 1916 to Sep. 30, 1918
02181000	Tallulah River at Mathis	34° 46'44"	83° 24'43"	177	Mar. 27, 1913 to Sep. 30, 1916
02181500	Tallulah River at Tallulah Falls	34° 44'16"	83° 23'51"	183	Jul. 15, 1904 to Jun. 30, 1909
02181850	**Tallulah River above Powerhouse, near Tallulah Falls**	**34° 43'55"**	**83° 22'33"**	**184**	**Nov. 15, 1997 to current year**
02182000	Panther Creek near Toccoa	34° 40'40"	83° 20'43"	32.5	Oct. 1, 1942 to Sep. 30, 1971
02184000	Tugaloo River near Hartwell	34° 29'06"	82° 54'33"	909	Apr. 28, 1925 to Sep. 30, 1927
					Feb. 1, 1940 to Sep. 30, 1960
02187252	Savannah River below Hartwell Lake, near Hartwell	34° 21'15"	82° 48'55"	2,090	Oct. 1, 1984 to Sep. 30, 1999
02187500	Savannah River near Iva, SC	34° 15'20"	82° 44'42"	2,231	Oct. 1, 1950 to Sep. 30, 1981
02188500	Beaverdam Creek at Dewy Rose	34° 10'52"	82° 56'38"	38.4	Oct. 1, 1942 to Sep. 30, 1977
02188600	Beaverdam Creek above Elberton	34° 10'07"	82° 53'48"	72.0	Oct. 1, 1986 to Oct. 8, 1996
02188680	Beaverdam Creek near Elberton	34° 08'29"	82° 51'15"	89.6	Oct. 1, 1984 to Jun. 30, 1986
02189000	Savannah River near Calhoun Falls, SC	34° 04'15"	82° 38'30"	2,880	Oct. 1, 1896 to Apr. 30, 1898
					Apr. 1, 1899 to Sep. 30, 1900
					Apr. 1, 1930 to Apr. 30, 1932
					Apr. 1, 1938 to Sep. 30, 1979
02189050	North Fork Broad River above Toccoa	34° 34'25"	83° 22'00"	3.66	Oct. 1, 1958 to Sep. 30, 1969
02189100	Denmans Creek near Toccoa	34° 34'22"	83° 22'00"	0.74	Apr. 15, 1956 to Sep. 30, 1969
02189500	North Fork Broad River near Toccoa	34° 30'49"	83° 19'19"	18.3	May 1, 1954 to Sep. 30, 1969
02189600	Bear Creek near Mize	34° 29'07"	83° 18'38"	3.62	Dec. 1, 1956 to Sep. 30, 1969
02190000	North Fork Broad River near Lavonia	34° 27'10"	83° 14'23"	42.0	May 1, 1954 to Sep. 30, 1969
02190100	Toms Creek near Eastanollee	34° 29'01"	83° 14'02"	3.79	Oct. 1, 1956 to Sep. 30, 1969
02190200	Toms Creek near Avalon	34° 29'35"	83° 13'23"	1.20	Oct. 1, 1954 to Sep. 30, 1969
02190500	Toms Creek near Martin	34° 27'47"	83° 13'19"	10.3	Jun. 17, 1954 to Sep. 30, 1969
02191000	North Fork Broad River near Carnesville	34° 19'25"	83° 11'10"	119	Oct. 1, 1942 to Dec. 31, 1944
					May 1, 1954 to Sep. 30, 1969
02191200	Hudson River at Homer	34° 20'15"	83° 29'17"	60.9	Jun. 1, 1959 to Sep. 30, 1979
02191300	**Broad River above Carlton**	**34° 04'24"**	**83° 00'12"**	**760**	**Oct. 1, 1997 to current year**
02191500	Broad River near Carlton	34° 03'56"	82° 59'33"	762	Jul. 1, 1897 to Dec. 31, 1912
02191743	**South Fork Broad River at Carlton**	**34° 01'53"**	**83° 00'33"**	**224**	**May 23, 2000 to current year**
02191970	Little Macks Creek near Lexington	33° 56'09"	82° 57'41"	1.73	Dec. 5, 1974 to Sep. 30, 1985
02192000	**Broad River near Bell**	**33° 58'27"**	**82° 46'12"**	**1,430**	**Nov. 1, 1926 to Jul. 31, 1932**
					Aug. 1, 1937 to current year
02193340	**Kettle Creek near Washington**	**33° 40'57"**	**82° 51'29"**	**33.9**	**Apr. 16, 1986 to current year**
02193500	**Little River near Washington**	**33° 36'40"**	**82° 44'40"**	**291**	**Oct. 1, 1949 to Jun. 23, 1971**
					May 1, 1989 to current year
02194000	Little River near Linconton	33° 38'40"	82° 28'40"	574	Jan. 1, 1943 to Mar. 31, 1951
02196484	Savannah River near North Augusta, SC	33° 33'06"	82° 02'19"	7,150	Oct. 1, 1988 **to** Sep. 30, 2001
02196820	Butler Creek at Fort Gordon	33° 26'36"	82° 07'43"	7.50	Oct. 1, 1968 to Jan. 22, 1991
02196835	**Butler Creek below 7th Avenue, at Fort Gordon**	**33° 26'17"**	**82° 07'05"**	**7.90**	**Mar. 27, 2001 to current year**
02197000	**Savannah River at Augusta**	**33° 22'25"**	**81° 56'35"**	**7,508**	**Apr. 1, 1883 to Sep. 30, 1891**
					Apr. 1, 1896 to Sep. 30, 1906
					Apr. 1, 1925 to current year
02197020	**Spirit Creek at US 1, near Augusta**	**33°22'24"**	**82°08'21"**	**17.2**	**Mar. 26, 2001 to current year**
02197320	Savannah River near Jackson, SC	33° 13'01"	81° 46'04"	7,800	Oct. 1, 1971 to Sep. 30, 2001
02197500	**Savannah River at Burtons Ferry, Bridge, near Millhaven**	**32° 56'20"**	**81° 30'10"**	**8,650**	**Oct. 1, 1939 to Sep. 30, 1970**
					Oct. 1, 1982 to current year
02197520	Brier Creek near Thomson	33° 22'06"	82° 28'06"	55.0	Jul. 18, 1967 to Sep. 30, 1993
02197550	Little Brier Creek near Thomson	33° 20'24"	82° 27'29"	24.0	Jun. 24, 1960 to Jun. 30, 1967
02197600	**Brushy Creek near Wrens**	**33° 10'37"**	**82° 18'21"**	**28.0**	**May 29, 1958 to current year**
02197830	Brier Creek near Waynesboro	33° 07'05"	81° 57'50"	473	Jul. 1, 1969 to Jan. 19, 1995

LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record
02198000	**Brier Creek at Millhaven**	**32° 56'00"**	**81° 39'05"**	**646**	**Apr. 14, 1937 to current year**
02198100	**Beaverdam Creek near Sardis**	**32° 56'15"**	**81° 48'56"**	**30.8**	**Jun. 7, 1986 to current year**
02198500	**Savannah River near Clyo**	**32° 31'30"**	**81° 15'45"**	**9,850**	**Apr. 1, 1930 to Sep. 30, 1933**
					Oct. 1, 1937 to current year
02198690	**Ebenezer Creek at Springfield**	**32° 21'56"**	**81° 17'51"**	**181**	**Mar. 1, 1990 to current year**
02200500	Ogeechee River near Louisville	32° 58'03"	82° 23'26"	800	Apr. 1, 1937 to Dec. 31, 1949
02201000	**Williamson Swamp Creek at Davisboro**	**32° 58'32"**	**82° 36'36"**	**109**	**May 7, 1980 to current year**
02201230	**Ogeechee River at Midville**	**32°24'52"**	**82°14'07"**	**1,300**	**Feb. 26, 2003 to current year**
02202040	**Ogeechee River at Rocky Ford Road, near Rocky Ford**	**32°38'56"**	**81°50'27"**	**2,040**	**Sep. 26, 2002 to current year**
02202000	Ogeechee River at Scarboro	32° 42'38"	81° 52'46"	1,940	Apr. 1, 1937 to Jun. 30, 1971
02202500	**Ogeechee River near Eden**	**32° 11'29"**	**81° 24'58"**	**2,650**	**Apr. 27, 1937 to current year**
02202600	**Black Creek near Blitchton**	**32° 10'04"**	**81° 29'18"**	**232**	**Feb. 14, 1980 to current year**
02203000	**Canoochee River near Claxton**	**32° 11'05"**	**81° 53'20"**	**555**	**May 26, 1937 to current year**
02203500	Canoochee River near Groveland	32° 05'55"	81° 43'43"	921	Jun. 23, 1903 to Dec. 31, 1907
02203559	Peacock Creek at McIntosh	31° 48'49"	81° 31'13"	33.0	Oct. 1, 1966 to Sep. 30, 1977
02203600	South River at East Point	33° 40'50"	84° 25'15"	1.49	Oct. 1, 1963 to Sep. 30, 1969
02203655	**South River at Forest Park Road, at Atlanta**	**33°40'44"**	**84°21'29"**	**22.5**	**Nov. 20, 2002 to current year**
02203700	**Intrenchment Creek near Atlanta**	**33°41"20"**	**84°19'50"**	**10.6**	**Apr. 4, 2003 to current year**
02203900	South River at Flakes Mill Road, near Atlanta	33° 39'58"	84° 13'29"	99.0	Aug. 23, 1979 to Sep. 30, 1983
02204070	**South River at Klondike Road, near Lithonia**	**33° 37'47"**	**84° 07'43"**	**182**	**Oct. 1, 1983 to current year**
02204118	**Honey Creek at Hurst Road, near Conyers**	**33°39'44"**	**84°05'03"**	**8.0**	**Apr. 18, 2003 to current year**
02204130	**Honey Creek at GA 212, near Conyers**	**33°34'47"**	**84°03'51"**	**26.0**	**Nov. 2, 2002 to current year**
02204285	Pates Creek near Flippen	33° 29'34"	84° 14'44"	11.9	Aug. 9, 1977 to Sep. 30, 1984
02204500	South River near McDonough	33° 29'48"	84° 00'53"	456	Oct. 1, 1939 to Sep. 30, 1960
					Oct. 1, 1975 to Sep. 30, 1982
02205000	Wildcat Creek near Lawrenceville	34° 00'08"	84° 00'18"	1.59	Oct. 1, 1953 to Sep. 30, 1982
02205500	Pew Creek near Lawrenceville	33° 56'05"	84° 01'00"	2.23	Oct. 1, 1953 to Sep. 30, 1963
02206000	Shetley Creek near Norcross	33° 57'20"	84° 09'40"	0.98	Oct. 1, 1953 to Sep. 30, 1963
02206500	**Yellow River near Snellville**	**33° 51'11"**	**84° 04'45"**	**134**	**Oct. 1, 1942 to Sep. 30, 1971**
					Oct1, 1987 to current year
02207000	Garner Creek near Snellville	33° 51'45"	84° 05'50"	5.54	Oct. 1, 1953 to Sep. 30, 1963
02207120	**Yellow River at GA 124, near Lithonia**	**33° 46'22"**	**84° 03'30"**	**162**	**Aug. 16, 2001 to current year**
02207185	**No Business Creek at Lee Road, below Snellville**	**33° 46'40"**	**84° 02'16"**	**10.14**	**Oct. 1, 2000 to current year**
02207220	**Yellow River at Pleasant Hill Road, near Lithonia**	**33°44'01"**	**84°03'43"**	**213**	**Nov. 27, 2002 to current year**
02207335	**Yellow River at Gees Mill Road, near Milstead**	**33° 40'01"**	**83° 56'17"**	**260**	**Nov. 1, 2001 to current year**
02207385	**Big Haynes Creek at Lenora Road, near Snellville**	**33° 48'54"**	**83° 59'25"**	**17.30**	**Oct. 1, 2000 to current year**
02207400	**Brushy Fork Creek at Beaver Road, near Loganville**	**33° 49'17"**	**83° 56'33"**	**8.15**	**Oct. 1, 2000 to current year**
02207418	**Big Haynes Creek at Jack Turner Dam, near Milstead**	**33° 43'10"**	**83° 56'05"**	**46.3**	**Oct. 12, 2001 to current year**
02207435	**Little Haynes Creek at Dial Mill Road, near Milstead**	**33° 42'40"**	**83° 54'52"**	**25.1**	**Oct. 16, 2001 to current year**
02207448	**Big Haynes Creek at Bald Rock Road, near Milstead**	**33°39'41"**	**83°55'40"**	**79.0**	**Jun. 10, 2002 to current year**
02207500	Yellow River near Covington	33° 36'52"	83° 54'54"	378	Sep. 12, 1897 to Dec. 31, 1897
					May 9, 1899 to Dec. 31, 1901
					Jul. 1, 1944 to Sep. 30, 1960
					Oct. 1, 1975 to Sep. 30, 1982
02208150	**Alcovy River at New Hope Road, near Grayson**	**33° 55'03"**	**83° 53'17"**	**30.75**	**Oct. 1, 2000 to current year**
02208450	**Alcovy River above Covington**	**33° 38'24"**	**83° 46'45"**	**185**	**Jan. 26, 1972 to current year**
02208500	Alcovy River near Covington	33° 35'35"	83° 48'29"	228	May 1, 1901 to Dec. 31, 1904
02209000	Alcovy River below Covington	33° 30'21"	83° 49'30"	244	Oct. 1, 1928 to Apr. 30, 1932
					Jul. 1, 1944 to Dec. 31, 1949
02209500	Alcovy River near Stewart	33° 25'22"	83° 49'43"	291	Sep. 16, 1905 to Dec. 31, 1906
02210500	**Ocmulgee River near Jackson**	**33° 18'28"**	**83° 50'18"**	**1,420**	**May 18, 1906 to Sep. 30, 1915**
					Aug. 1, 1939 to Sep. 30, 1960
					Oct. 1, 1975 to Sep. 30, 1982
					Mar. 1, 1987 to current year
02211300	Towaliga River near Jackson	33° 15'50"	84° 04'17"	105	Jun. 1, 1960 to Sep. 30, 1971
02211459	Big Towaliga Creek near Barnesville	33° 04'20"	84° 11'04"	2.36	Oct. 1, 1974 to Sep. 30, 1980
02211500	Towaliga River near Forsyth	33° 07'17"	83° 56'36"	315	Feb. 1, 1929 to Mar. 31, 1932
					Jul. 1, 1944 to Dec. 31, 1949
02212500	Ocmulgee River at Juliette	33° 05'50"	83° 47'10"	1,960	Jun. 1, 1916 to Sep. 30, 1921
					Jul. 2, 1974 to May 15, 1988
02212600	**Falling Creek near Juliette**	**33° 05'59"**	**83° 43'25"**	**72.2**	**Jul. 7, 1964 to current year**
02213000	**Ocmulgee River at Macon**	**32° 50'19"**	**83° 37'14"**	**2,240**	**Feb. 1, 1893 to Jul. 31, 1912**
					Oct. 1, 1928 to current year
02213050	Walnut Creek near Gray	32° 58'20"	83° 37'08"	29.0	Oct. 1, 1961 to Apr. 26, 1994
02213470	Tobesofkee Creek above Macon	32° 52'02"	83° 50'24"	156	Apr. 1, 1967 to Sep. 30, 1971
02213500	**Tobesofkee Creek near Macon**	**32° 48'32"**	**83° 45'30"**	**182**	**Apr. 1, 1937 to current year**
02213700	**Ocmulgee River near Warner Robins**	**32° 40'17"**	**83° 36'11"**	**2,690**	**Oct. 1, 1972 to current year**

LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record		
02214000	Echeconnee Creek near Macon	32° 45'54"	83° 50'22"	147	Apr1, 1937	to	Sep. 30, 1943
22145000	Big Indian Creek at Perry	32° 27'20"	83° 44'21"	108	Oct. 1, 1943	to	Jul. 31, 1971
02215000	Ocmulgee River at Hawkinsville	32° 16'50"	83° 27'40"	3,800	Oct. 1, 1928	to	Dec. 31, 1931
					Oct. 1, 1943	to	Sep. 30, 1959
02215100	**Tucsawhatchee Creek near Hawkinsville**	**32o 14'22"**	**83° 30'06"**	**163**	**Apr. 1, 1986**	**to**	**current year**
02215400	Big Horse Creek near Lumber City	31° 51'07"	82° 49'37"	155	Oct. 1, 1958	to	Dec. 31, 1961
02215500	**Ocmulgee River at Lumber City**	**31° 55'06"**	**82° 40'26"**	**5,180**	**Oct. 1, 1936**	**to**	**current year**
02216000	Little Ocmulgee River at Towns	32° 00'28"	82° 45'10"	351	Apr. 1, 1937	to	Dec. 31, 1946
02216180	**Turnpike Creek near McRae**	**31° 59'29"**	**82° 55'19"**	**49.2**	**Jan. 1, 1983**	**to**	**current year**
02216610	Tillman Mill Creek near Lumber City	31° 58'53"	82° 38'32"	2.71	Oct. 1, 1974	to	Sep. 30, 1985
02217000	Allen Creek at Talmo	34° 11'34"	83° 43'11"	17.3	Jul. 7, 1951	to	Sep. 30, 1971
02217274	**Wheeler Creek at Bill Cheek Road, near Auburn**	**34° 04'56"**	**83° 51'17"**	**1.31**	**Jun. 29, 2001**	**to**	**current year**
02217475	**Middle Oconee River near Arcade**	**34° 01'54"**	**83° 33'48"**	**340**	**Mar. 1, 1987**	**to**	**current year**
02217500	**Middle Oconee River near Athens**	**33° 56'48"**	**83° 25'22"**	**392**	**Oct. 1, 1901**	**to**	**Sep. 30, 1902**
					Jan. 1, 1929	**to**	**Mar. 31, 1932**
					May 1, 1937	**to**	**current year**
02217770	**North Oconee River at College Street, at Athens**	**33°58'11"**	**83°22'39**	**264**	**Aug. 10, 2002**	**to**	**current year**
02217900	North Oconee River at Athens	33° 56'55"	83° 22'04"	290	Oct. 1, 1928	to	Mar. 31, 1932
					Jun. 24, 1944	to	Dec. 31, 1949
02218300	**Oconee River near Penfield**	**33° 43'16"**	**83° 17'44"**	**940**	**Aug. 1, 1977**	**to**	**current year**
02218500	Oconee River near Greensboro	33° 34'52"	83° 16'22"	1,090	Aug. 1, 1903	to	Sep. 30, 1932
					Apr. 1, 1937	to	Sep. 30, 1978
02218565	**Apalachee River at Fence Road, near Auburn**	**34° 00'37"**	**83° 53'39"**	**5.68**	**Jul. 13, 2001**	**to**	**current year**
02219000	**Apalachee River near Bostwick**	**33° 47'17"**	**83° 28'27"**	**176**	**Jul. 1, 1944**	**to**	**Dec. 31, 1949**
					Apr. 28, 1977	**to**	**current year**
02219500	Apalachee River near Buckhead	33° 36'31"	83° 20'58"	436	Jan. 1, 1901	to	Dec. 31, 1908
					Apr. 1, 1937	to	Sep. 30, 1978
02220500	Oconee River near Sparta	33° 20'05"	83° 08'38"	1,830	Oct. 1, 1949	to	Apr. 15, 1953
02220550	Whitten Creek near Sparta	33° 23'12"	83° 01'34"	16.6	Jun. 22, 1960	to	Apr. 16, 1986
02220900	**Little River near Eatonton**	**33° 18'50"**	**83° 26'14"**	**262**	**Aug. 1, 1977**	**to**	**current year**
02221000	Murder Creek near Monticello	33° 24'56"	83° 39'43"	24.0	Oct. 1, 1951	to	Sep. 30, 1971
02221525	**Murder Creek below Eatonton**	**33° 15'08"**	**83° 28'53"**	**190**	**Apr. 27, 1977**	**to**	**current year**
02223000	**Oconee River at Milledgeville**	**33° 05'22"**	**83° 12'56"**	**2,950**	**Sep. 1, 1903**	**to**	**current year**
02223056	**Oconee River at Avant Mine, near Oconee**	**32° 56'23"**	**83° 04'01"**	**3,100**	**Nov. 4, 1992**	**to**	**current year**
02223110	Buffalo Creek near Oconee	32° 53'28"	82° 57'40"	293	Jan. 28, 1993	to	Oct. 2, 1996
02223248	**Oconee River near Oconee**	**32° 47'14"**	**82° 57'26"**	**3,770**	**Nov. 1, 1992**	**to**	**current year**
02223300	Big Sandy Creek near Jeffersonville	32° 48'15"	83° 25'04"	31.0	Oct. 1, 1958	to	Sep. 30, 1971
02223382	Oconee River near Dublin	32° 41'41"	82° 56'20"	4,100	Nov. 4, 1992	to	Oct. 2, 1996
02223500	**Oconee River at Dublin**	**32° 32'40"**	**82° 53'41"**	**4,400**	**Oct. 1, 1897**	**to**	**current year**
02224000	Rocky Creek near Dudley	32° 29'38"	83° 08'49"	62.9	Dec. 1, 1951	to	Sep. 30, 1976
02224500	Oconee River near Mt. Vernon	32° 11'28"	82° 38'00"	5,110	Oct. 1, 1937	to	Dec. 31, 1955
02225000	**Altamaha River near Baxley**	**31° 56'20"**	**82° 21'13"**	**11,600**	**Aug. 14, 1949**	**to**	**Jun. 30, 1951**
					Oct. 1, 1970	**to**	**current year**
02225500	**Ohoopee River near Reidsville**	**32° 04'42"**	**82° 10'39"**	**1,110**	**Jun. 24, 1903**	**to**	**Dec. 31, 1907**
					May 25, 1937	**to**	**current year**
02226000	**Altamaha River at Doctortown**	**31° 39'16"**	**81° 49'41"**	**13,600**	**Oct. 1, 1931**	**to**	**current year**
02226100	Penholoway Creek near Jesup	31° 34'00"	81° 50'18"	210	Jul. 1, 1958	to	Mar. 27, 2001
02226500	**Satilla River near Waycross**	**31° 14'17"**	**82° 19'29"**	**1,200**	**Apr. 1, 1937**	**to**	**current year**
02226600	Burket Creek near Roper	31° 47'42"	82° 37'33"	7.10	Jul. 1, 1956	to	Sep. 30, 1963
02226700	Whitehead Creek near Denton	31° 44'00"	82° 41'26"	28.0	Jul. 1, 1956	to	Sep. 30, 1963
02226900	Hurricane Creek near Hazelhurst	31° 40'58"	82° 34'15"	102	Jul. 1, 1956	to	Sep. 30, 1963
02227000	Hurricane Creek near Alma	31° 34'00"	82° 27'50"	139	Oct. 1, 1951	to	Sep. 30, 1971
02227500	**Little Satilla River near Offerman**	**31° 27'04"**	**82° 03'17"**	**646**	**Jan. 27, 1951**	**to**	**current year**
02228000	**Satilla River at Atkinson**	**31° 13'16"**	**81° 52'03"**	**2,790**	**Mar. 21, 1930**	**to**	**current year**
02228500	**North Prong St Marys River at Moniac**	**30° 31'03"**	**82° 13'50"**	**160**	**Feb. 1, 1921**	**to**	**Dec. 31, 1923**
					Feb. 1, 1927	**to**	**Jun. 30, 1930**
					Aug. 1, 1932	**to**	**Jun. 30, 1934**
					Oct. 1, 1950	**to**	**current year**
02231000	**St Marys River near Macclenny, FL**	**30° 21'31"**	**82° 04'54"**	**700**	**Oct. 1, 1926**	**to**	**current year**
02231253	St Marys River near Gross, FL	30° 44'29"	81° 41'17"	1,360	Apr. 1, 1966	to	May 31, 1975
					Oct. 1, 1980	to	Sep. 30, 1983
					Oct. 1, 1984	to	Aug. 31, 1990
02314500	**Suwannee River at Fargo**	**30° 40'50"**	**82° 33'38"**	**1,260**	**Jan. 28, 1927**	**to**	**Dec. 9, 1931**
					Apr. 20, 1937	**to**	**current year**
02316000	**Alapaha River near Alapaha**	**31° 23'03"**	**83° 11'33"**	**663**	**Apr. 26, 1937**	**to**	**Sep. 30, 1976**
					Sep. 4, 2002	**to**	**current year**
02317000	Alapaha River at May Day	30° 49'40"	83° 01'05"	1,300	Oct. 1, 1928	to	Dec. 9, 1931

LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record		
02317500	**Alapaha River at Statenville**	**30° 42'14"**	**83° 02'00"**	**1,400**	**Jan. 28, 1921**	**to**	**Jun. 30, 1921**
					Dec. 10, 1931	**to**	**current year**
02317748	Withlacoochee River near Bemiss	30° 57'24"	83° 16'12"	501	Oct. 13, 1976	to	Dec. 31, 1981
023177483	**Withlacoochee River at McMillan Road, near Bemiss**	**30° 56'50"**	**83° 16'22"**	**502**	**Jun. 11, 1988**	**to**	**current year**
02317755	Withlacoochee River at US 41, near Valdosta	30° 53'33"	83° 19'08"	537	Oct. 20, 1976	to	Sep. 30, 1978
					Aug. 31, 1988	to	Jan. 3, 1990
02317830	Little River near Lenox	31° 15'15"	83° 30'32"	208	May 1, 1967	to	Sep. 30, 1971
					Oct. 1, 1976	to	Sep. 30, 1978
02318000	**Little River near Adel**	**31° 19'39"**	**83° 32'32"**	**577**	**Jun. 12, 1940**	**to**	**Sep. 30, 1971**
					Oct. 1, 2002	**to**	**current year**
02318500	**Withlacoochee River at US 84, near Quitman**	**30° 47'35"**	**83° 27'13"**	**1,480**	**Oct. 1, 1928**	**to**	**Dec. 11, 1931**
					Jun. 9, 1937	**to**	**May 31, 1948**
					Oct. 1, 1988	**to**	**May 7, 1992**
					Jun. 1, 1992	**to**	**current year**
02318700	**Okapilco Creek at GA 33, near Quitman**	**30° 49'32"**	**83° 33'45"**	**269**	**Dec. 21, 1979**	**to**	**current year**
02327500	**Ochlockonee River near Thomasville**	**30° 52'32"**	**84° 02'44"**	**550**	**Aug. 11, 1937**	**to**	**Jun. 30, 1971**
					Oct. 11, 2000	**to**	**current year**
02328000	Tired Creek near Cairo	30° 51'54"	84° 15'46"	60.0	Oct. 1, 1943	to	Feb. 29, 1948
					Apr. 26, 1948	to	Jun. 30, 1971
02329342	**Little Attapulgus Creek at Attapulgus**	**30° 44'08"**	**84° 29'49"**	**16.9**	**Nov. 15, 1991**	**to**	**current year**
02330450	**Chattahoochee River at Helen**	**34° 42'03"**	**83° 43'44"**	**44.7**	**May 5, 1981**	**to**	**current year**
02331000	Chattahoochee River near Leaf	34° 34'37"	83° 38'09"	150	Feb. 21, 1940	to	Sep. 30, 1971
02331500	Soque River near Demorest	34° 34'23"	83° 35'27"	156	Jul. 6, 1904	to	Jun. 30, 1909
					May 30, 1929	to	Dec. 25, 1931
					Mar. 27, 1940	to	Dec. 31, 1951
02331600	**Chattahoochee River near Cornelia**	**34° 32'27"**	**83° 37'14"**	**315**	**Aug. 21, 1957**	**to**	**current year**
02332000	King Branch near Alto	34° 27'05"	83° 36'45"	0.42	May 1, 1944	to	Sep. 30, 1948
02332830	West Fork Little River near Clermont	34° 24'55"	83° 49'18"	18.3	Feb. 1, 1993	to	Sep. 30, 1998
02333000	Chattahoochee River near Gainesville	34° 19'17"	83° 52'46"	559	Jun. 26, 1901	to	Sep. 27, 1902
					Dec. 28, 1902	to	Dec. 31, 1903
					Apr. 28, 1937	to	Feb. 29, 1956
02333500	**Chestatee River near Dahlonega**	**34° 31'41"**	**83° 56''23"**	**153**	**Jul. 8, 1929**	**to**	**Jan. 31, 1932**
					Apr. 1, 1940	**to**	**current year**
02334430	**Chattahoochee River at Buford Dam, near Buford**	**34° 09'25"**	**84° 04'44"**	**1,040**	**Oct. 1, 1971**	**to**	**current year**
02334480	**Richland Creek at Suwanee Dam Road, near Buford**	**34° 07'57"**	**84° 04'12"**	**9.35**	**Oct. 1, 1995**	**to**	**Jan. 6, 1997**
					May 17, 2001	**to**	**current year**
02334500	Chattahoochee River near Buford	34° 07'34"	84° 05'37"	1,060	Jan. 27, 1942	to	Sep. 30, 1971
02334578	**Level Creek at Suwanee Dam Road, near Suwanee**	**34° 05'47"**	**84° 04'47"**	**5.10**	**May 10, 2001**	**to**	**current year**
02334885	**Suwanee Creek near Suwanee**	**34° 01'56"**	**84° 05'22"**	**46.8**	**Oct. 1, 1984**	**to**	**current year**
02335000	**Chattahoochee River near Norcross**	**33° 59'50"**	**84° 12'07"**	**1,170**	**Jan. 1, 1903**	**to**	**Sep. 30, 1946**
					Oct. 1, 1956	**to**	**current year**
02335075	**Johns Creek at State Bridge Road, near Warsaw**	**34°01'38"**	**84°12'09"**	**9.40**	**Apr. 2, 2003**	**to**	**current year**
02335078	Johns Creek at Buice Road, near Warsaw	34° 00'58"	84° 12'40"	11.6	Apr. 1, 1994	to	Jan. 8, 1998
02335350	**Crooked Creek near Norcross**	**33°57'54"**	**84°15'54"**	**6.66**	**Mar. 22, 2001**	**to**	**current year**
02335450	**Chattahoochee River above Roswell**	**33° 59'09"**	**84° 18'58"**	**1,220**	**Jul. 7, 1976**	**to**	**current year**
02335500	Chattahoochee River near Roswell	34° 00'20"	84° 19'53"	1,230	Oct. 1, 1941	to	May 10, 1960
02335700	**Big Creek near Alpharetta**	**34° 03'02"**	**84° 16'10"**	**72.0**	**May 1, 1960**	**to**	**current year**
02335815	**Chattahoochee River blw Morgan Falls Dam, Sandy Springs**	**33° 58'05"**	**84° 22'58"**	**1,370**	**Oct. 9, 2001**	**to**	**current year**
02335830	Chattahoochee River at Johnson's Ferry Road, near Atlanta	33° 56'36"	84° 24'17"	1,380	Sep. 1, 1994	to	Jan. 11, 1998
02335870	**Sope Creek near Marietta**	**33° 57'14"**	**84° 26'36"**	**29.2**	**Oct. 1, 1984**	**to**	**current year**
02335912	Rottenwood Creek at I-285, at Atlanta	33° 53'30"	84° 27'33"	19.5	Oct. 1, 1995	to	Sep. 30, 1996
02336000	**Chattahoochee River at Atlanta**	**33° 51'33"**	**84° 27'16"**	**1,450**	**Aug. 1, 1928**	**to**	**Dec. 31, 1931**
					Oct. 1, 1936	**to**	**current year**
02336030	**North Fork Peachtree Creek at Graves Road, near Doraville**	**33° 54'20"**	**84° 13'30"**	**1.42**	**Jun. 8, 2001**	**to**	**current year**
02336120	**North Fork Peachtree Creek at Buford Highway, at Atlanta**	**33° 49'53"**	**84° 20'34"**	**34.8**	**May 10, 2003**	**to**	**current year**
02336240	**South Fork Peachtree Creek at Johnson Road, near Atlanta**	**33° 48'10"**	**84° 20'27"**	**28.7**	**Apr. 30, 2003**	**to**	**current year**
02336300	**Peachtree Creek at Atlanta**	**33° 49'10"**	**84° 24'28"**	**86.8**	**Jun. 20, 1958**	**to**	**current year**
02336380	Nancy Creek at Randall Mill Road, at Atlanta	33° 51'35"	84° 25'28"	34.8	Oct. 1, 1963	to	Sep. 30, 1964
02336360	**Nancy Creek at Rickenbacker Drive, at Atlanta**	**33° 52'09"**	**84° 22'44"**	**26.6**	**May 24, 2003**	**to**	**current year**
02336410	**Nancy Creek at West Wesley Road, at Atlanta**	**33° 50'18"**	**84° 26'22"**	**37.7**	**Apr. 23, 1994**	**to**	**Jan. 11, 1998**
					Oct. 1, 2003	**to**	**current year**
02336490	**Chattahoochee River at GA 280, near Atlanta**	**33° 49'01"**	**84° 28'48"**	**1,590**	**Mar. 3, 1981**	**to**	**current year**
02336500	Chattahoochee River at Oakdale	33° 48'46"	84° 29'19"	1,600	Oct. 1, 1895	to	Aug. 31, 1903
					Nov. 1, 1903	to	May 31, 1904
02336517	**Proctor Creek at Hortense Way, at Atlanta**	**33°46'32"**	**84°26'27"**	**7.20**	**Apr. 1, 2003**	**to**	**current year**
02336526	**Proctor Creek at Jackson Parkway, at Atlanta**	**33°47'39"**	**84°28'28"**	**13.4**	**Dec. 4, 2002**	**to**	**current year**
02336529	Proctor Creek at Northwest Drive, near Atlanta	33° 47'57"	84° 29'13"	15.5	Apr. 27, 1995	to	Jan. 13, 1998

LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record
02336635	**Nickajack Creek at US 78/278, near Mableton**	**33° 48'11"**	**84° 31'12"**	**31.5**	**Oct. 1, 1995 to current year**
02336644	**Sandy Creek at Bolton Road, near Atlanta**	**33°46'46"**	**84°29'58"**	**5.15**	**Apr. 1, 2003 to current year**
02336658	**North Utoy Creek at Peyton Road, near Atlanta**	**33°44'20"**	**84°28'45"**	**6.38**	**Apr. 9, 2003 to current year**
02336700	South Utoy Creek Tributary at Headland Drive, at East Point	33° 41'25"	84° 28'05"	0.79	Oct. 1, 1963 to Sep. 30, 1969
02336728	**Utoy Creek at Great Southwest Parkway, near Atlanta**	**33°44'36"**	**84°34'06"**	**33.9**	**Oct. 30, 2002 to current year**
02336968	**Noses Creek at Powder Springs Road, near Powder Springs**	**33° 51'33"**	**84° 39'10"**	**44.5**	**Jul. 16, 1998 to current year**
02337000	**Sweetwater Creek near Austell**	**33° 46'22"**	**84° 36'53"**	**246**	**May 18, 1904 to Dec. 31, 1905**
					Mar. 24, 1937 to current year
02337040	**Sweetwater Creek below Austell**	**33° 43'15"**	**84° 36'54"**	**262**	**Oct. 1, 2001 to current year**
02337100	North Fork Camp Creek at Atlanta	33° 39'40"	84° 30'40"	5.25	Oct. 1, 1963 to Sep. 30, 1969
02337160	Deep Creek at GA 70, near Tell	33° 39'52"	84° 38'26"	27.5	Oct. 1, 1995 to Jan. 12, 1998
02337170	**Chattahoochee River near Fairburn**	**33° 39'24"**	**84° 40'25"**	**2,060**	**Jul. 6, 1965 to current year**
02337320	Bear Creek at GA 70, near Rico	33° 36'17"	84° 44'54"	27.5	Apr. 28, 1995 to Jan. 12, 1998
02337500	**Snake Creek near Whitesburg**	**33° 31'46"**	**84° 55'42"**	**35.5**	**Sep. 15, 1954 to current year**
02338000	**Chattahoochee River near Whitesburg**	**33° 28'37"**	**84° 54'04"**	**2,430**	**Oct. 1, 1938 to Jun. 30, 1954**
					Jan. 1, 1965 to current year
02338185	Wahoo Creek at Wagers Mill Road, near Sargent	33° 26'12"	84° 54'02"	29.7	Dec. 1, 1995 to Jan. 8, 1997
02338280	Whooping Creek at GA 5, near Whitesburg	33° 27'40"	84° 59'49"	26.4	Sep. 1, 1994 to Jan. 8, 1997
02338314	Plant Wangsley Outfall near Glenloch	33° 24'20"	85° 01'58"	25.5	Apr. 29, 1995 to Jan. 8, 1997
02338400	Centralhatchee Creek at US 27, near Franklin	33° 18'40"	85° 06'18"	57.7	Sep. 1, 1994 to Jan. 8, 1997
02338500	Chattahoochee River at Franklin	33° 16'45"	85° 06'00"	2,680	Jun. 1, 1928 to Oct. 31, 1931
					Oct. 1, 1938 to Sep. 30, 1939
					Oct. 1, 1957 to Sep. 30, 1959
02338523	**Hillabahatchee Creek at Thaxton Road, near Franklin**	**33° 20'26"**	**85° 13'37"**	**16.8**	**Dec. 13, 2001 to current year**
02338660	**New River at GA 100, near Corinth**	**33° 14'07"**	**84° 59'16"**	**127**	**Oct. 1, 1978 to current year**
02338840	Yellowjacket Creek near Hogansville	33° 08'22"	84° 58'31"	91.0	Oct. 1, 1978 to Sep. 30, 1985
02339000	Yellowjacket Creek near LaGrange	33° 05'27"	85° 03'40"	182	Jan. 20, 1951 to Mar. 31, 1971
02339500	**Chattahoochee River at West Point**	**32° 53'10"**	**85° 10'56"**	**3,550**	**Aug. 1, 1896 to current year**
02340000	Mill Creek near Warm Springs	32° 52'03"	84° 47'04"	0.87	Dec. 17, 1933 to Apr. 30, 1935
02340500	Mountain Oak Creek near Hamilton	32° 44'28"	85° 04'08"	61.7	Dec. 22, 1943 to Sep. 30, 1971
02341500	Chattahoochee River at Columbus	32° 27'45"	84° 59'52"	4,670	Aug. 23, 1929 to Sep. 30, 2002
02341505	**Chattahoochee River at US 280, near Columbus**	**33°27'11"**	**84°59'43"**	**4,670**	**Jan. 18, 2002 to current year**
02341800	**Upatoi Creek near Columbus**	**32° 24'48"**	**84° 49'12"**	**342**	**Apr. 1, 1968 to current year**
02342000	Upatoi Creek at Fort Benning	32° 22'35"	84° 56'40"	447	Oct. 1, 1942 to Dec. 31, 1947
02342850	Hannahatchee Creek at Union	32° 09'10"	84° 54'21"	121	Jun. 1, 1964 to Sep. 30, 1965
02343200	Pataula Creek near Lumpkin	31° 56'03"	84° 48'12"	70.0	Jun. 21, 1958 to Sep. 30, 1971
02343260	Chattahoochee River at Fort Gaines	31° 36'15"	85° 03'19"	7,570	Oct. 1, 1960 to Sep. 30, 1962
02343500	Chattahoochee River at Columbia, Ala.	31° 17'11"	85° 05'45"	8,040	Jul. 27, 1928 to Sep. 30, 1960
02343801	**Chattahoochee River near Columbia, AL**	**31° 15'33"**	**85° 06'37"**	**8,210**	**Oct. 1, 1975 to current year**
02343940	**Sawhatchee Creek at Cedar Springs**	**31° 10'40"**	**85° 02'37"**	**64.2**	**Jan. 18, 2002 to current year**
02344000	Chattahoochee River at Alaga, Ala.	31° 06'54"	85° 02'43"	8,340	May 1, 1938 to Dec. 31, 1944
					Oct. 1, 1960 to Sep. 30, 1970
02344300	Camp Creek near Fayetteville	33° 31'00"	84° 25'39"	17.2	Jun. 1, 1960 to Sep. 30, 1973
02344325	**Morning Creek at Bethsaida Road, near Fairburn**	**33°33'41"**	**84°29'23"**	**11.1**	**Feb. 8, 2003 to current year**
02344350	**Flint River near Lovejoy**	**33° 24'56"**	**84° 23'05"**	**130**	**May 7, 1985 to current year**
02344500	**Flint River near Griffin**	**33° 14'39"**	**84° 25'45"**	**272**	**Mar. 1, 1937 to current year**
02344700	**Line Creek near Senoia**	**33° 19'10"**	**84° 31'25"**	**101**	**Sep. 1, 1964 to current year**
02345000	Flint River near Molena	32° 59'21"	84° 31'45"	990	Oct. 1, 1945 to Jun. 30, 1953
02345500	Flint River near Woodbury	32° 57'59"	84° 31'58"	1,090	Apr. 1, 1900 to Sep. 30, 1920
02346180	Flint River near Thomaston	32° 50'20"	84° 25'27"	1,220	May 21, 1966 to Sep. 30, 1992
02346500	Potato Creek near Thomaston	32° 54'15"	84° 21'45"	186	Oct. 1, 1937 to Jun. 30, 1971
02347500	**Flint River near Culloden**	**32° 43'17"**	**84° 13'57"**	**1, 850**	**Jul. 1, 1911 to May 31, 1923**
					Jul. 21, 1928 to Dec. 31, 1931
					Mar. 18, 1937 to current year
02348500	Whitewater Creek near Butler	32° 28'02"	84° 15'59"	80.0	Oct. 1, 1943 to Sep. 30, 1951
02349000	Whitewater Creek below Rambulette Creek, near Butler	32° 28'00"	84° 15'58"	93.4	Oct. 1, 1951 to Sep. 30, 1971
02349500	Flint River at Montezuma	32° 17'53"	84° 02'38"	2,900	Oct. 1, 1904 to Dec. 31, 1909
					Jan. 1, 1911 to Dec. 31, 1912
					Jul. 1, 1930 to Sep. 30, 2002
02349605	**Flint River at GA 25, near Montezuma**	**32°17'35"**	**84°02'37"**	**2,920**	**Oct. 1, 2002 to current year**
02349900	**Turkey Creek at Byromville**	**32° 11'44"**	**83° 54'03"**	**45.0**	**Jun. 20, 1958 to current year**
02350000	Flint River near Vienna	32° 03'38"	83° 58'36"	3,390	Oct. 1, 1926 to Sep. 30, 1930
02350080	**Lime Creek near Cobb**	**32° 02'02"**	**83° 59'47"**	**61.8**	**Apr. 30, 1983 to Jan. 11, 1984**
					Mar. 1, 1993 to Feb. 21, 1996
					May 30, 2001 to current year
02350220	Gum Creek at Coney	31° 57'40"	83° 53'05"	73.0	Apr. 30, 1983 to Jan. 11, 1984
02350300	Cedar Creek near Cordele	31° 54'45"	83° 51'18"	34.0	Apr. 30, 1983 to Jan. 11, 1984

LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record
02350500	Flint River at Oakfield	31° 46'07"	83° 59'24"	3,860	Oct. 1, 1929 to Dec. 31, 1958
02350512	**Flint River at GA 32, near Oakfield**	**31° 43'30"**	**84° 01'07"**	**3,880**	**May 1, 1987 to current year**
02350600	Kinchafoonee Creek at Preston	32° 03'09"	84° 32'54"	197	Oct. 1, 1951 to Sep. 30, 1977
02350900	**Kinchafoonee Creek near Dawson**	**31° 45'52"**	**84° 15'12"**	**527**	**Mar. 7, 1985 to current year**
02351000	Kinchafoonee Creek near Leesburg	31° 43'10"	84° 11'08"	586	Apr. 1, 1906 to Dec. 31, 1909
02351500	**Muckalee Creek near Americus**	**32°04'59"**	**84°15'29"**	**140**	**May 31, 2001 to current year**
02351890	**Muckalee Creek at GA 195, near Leesburg**	**31° 46'34"**	**84° 08'22"**	**362**	**Dec. 15, 1979 to current year**
02352500	**Flint River at Albany**	**31° 35'39"**	**84° 08'39"**	**5,310**	**Oct. 1, 1901 to Jun. 30, 1921**
					Oct. 1, 1929 to current year
02353000	**Flint River at Newton**	**31° 18'34"**	**84° 20'06"**	**5,740**	**Apr. 1, 1938 to Sep. 30, 1945**
					Oct. 1, 1946 to Sep. 30, 1947
					Jan. 1, 1949 to Sep. 30, 1950
					Oct. 1, 1956 to current year
02353265	**Ichawaynochaway Creek at GA 37, near Morgan**	**31°31'37"**	**84°34'58"**	**301**	**May 31, 2001 to current year**
02353400	**Pachitla Creek near Edison**	**31° 33'17"**	**84° 40'43"**	**188**	**Jun. 9, 1959 to Sep. 30, 1971**
					Mar. 24, 1988 to current year
02353500	**Ichawaynochaway Creek at Milford**	**31° 22'58"**	**84° 32'52"**	**620**	**Sep. 1, 1905 to Dec. 31, 1907**
					Oct. 1, 1939 to current year
02354000	Alligator Creek near Milford	31° 21'17"	84° 33'58"	14.0	Jan. 1, 1942 to May 31, 1952
02354410	**Chichasawhatchee Creek near Leary**	**31°30'13"**	**84°25'50"**	**157**	**Aug. 4, 2001 to current year**
02354500	**Chickasawhatchee Creek at Elmodel**	**31° 21'09"**	**84° 29'10"**	**320**	**Oct. 1, 1939 to Dec. 31, 1949**
					Jul. 28, 1995 to current year
02354800	**Ichawaynochaway Creek near Elmodel**	**31° 17'42"**	**84° 29'17**	**1,000**	**Apr. 15, 1995 to current year**
02355000	Ichawaynochaway Creek near Newton	31° 16'00"	84° 29'00"	1,020	Aug. 10, 1937 to Mar. 31, 1939
					Oct. 1, 1939 to Sep. 30, 1947
02355350	**Ichawaynochaway Creek below Newton**	**31° 12'48"**	**84° 28'24"**	**1,040**	**Apr. 15, 1995 to current year**
02355500	Big Cypress Creek near Milford	31° 15'15"	84° 36'18"	12.0	Jan. 1, 1942 to Dec. 31, 1949
02355662	**Flint River at Riverview Plantation, near Hopeful**	**31°08'26"**	**84°28'49"**	**7,080**	**May 8, 2002 to current year**
02356000	**Flint River at Bainbridge**	**30° 54'41"**	**84° 34'48"**	**7,570**	**Oct. 1, 1907 to Dec. 31, 1913**
					Oct. 1, 1928 to Sep. 30, 1971
					Oct. 1, 2001 to current year
02356500	Long Branch near Damascus	31° 17'55"	84° 42'11"	18.0	Feb. 1, 1945 to Dec. 31, 1949
02356980	Aycocks Creek near Boykin	31° 05'11"	84° 44'12"	105	Mar. 1, 1993 to Sep. 30, 1995
02357000	**Spring Creek near Iron City**	**31° 02'23"**	**84° 44'18"**	**485**	**Jun. 11, 1937 to Apr. 30, 1971**
					Dec. 20, 1976 to Sep. 30, 1978
					Jun. 7, 1982 to current year
02379000	Cartecay River near Cartecay	34° 38'19"	84° 24'32"	86.4	Jul. 1, 1904 to Dec. 31, 1905
					Dec. 12, 1918 to Jun. 30, 1921
02379500	Cartecay River near Ellijay	34° 40'53"	84° 27'20"	134	Mar. 17, 1937 to Sep. 30, 1977
02380000	Ellijay River at Ellijay	34° 41'06"	84° 28'40"	87.7	May 4, 1907 to Dec. 31, 1907
					Dec. 10, 1918 to Jun. 30, 1921
					Feb. 26, 1953 to Sep. 30, 1969
02380500	**Coosawattee River near Ellijay**	**34° 40'18"**	**84° 30'31"**	**236**	**Oct. 1, 1938 to Dec. 31, 1949**
					Jun. 1, 1963 to current year
02381000	Mountaintown Creek near Ellijay	34° 45'00"	84° 33'25"	31.5	Oct. 1, 1939 to Dec. 31, 1942
02381500	Coosawattee River near Carters	34° 36'45"	84° 40'15"	374	Sep. 12, 1925 to Dec. 10, 1931
					Oct. 1, 1961 to Sep. 30, 1964
02381600	**Fausett Creek near Talking Rock**	**34° 34'17"**	**84° 27'55"**	**9.99**	**Oct. 1, 1974 to current year**
02381950	Scarecorn Creek above Hinton	34° 27'11"	84° 33'28"	6.4	Jul. 22, 1986 to Jan. 16, 1991
02382000	Scarecorn Creek at Hinton	34° 28'04"	84° 35'30"	21.3	Apr. 1, 1939 to Dec. 31, 1942
					May 1, 1959 to Sep. 30, 1974
					Aug. 1, 1986 to Apr. 2, 1991
02382200	**Talking Rock Creek near Hinton**	**34° 31'22"**	**84° 36'40"**	**119**	**Nov. 1, 1973 to current year**
02382300	Talking Rock Creek near Carters	34° 35'20"	84° 40'05"	142	Oct. 1, 1963 to Sep. 30, 1971
02382500	**Coosawattee River at Carters**	**34° 36'13"**	**84° 41'44"**	**521**	**Sep. 1, 1896 to Dec. 1, 1908**
					Dec. 21, 1918 to Sep. 30, 1923
					Oct. 1, 1961 to Sep. 7, 1972
					Oct. 1, 1974 to current year
02383000	Rock Creek near Fairmount	34° 21'32"	84° 46'46"	6.17	Oct. 1, 1951 to Sep. 30, 1974
02383500	**Coosawattee River near Pine Chapel**	**34° 33'51"**	**84° 49'59"**	**831**	**Nov. 11, 1938 to current year**
02384000	Conasauga River near Tennga	35°00'34"	84° 44'02"	108	May 27, 1929 to Dec. 31, 1931
					Oct. 1, 1943 to Dec. 31, 1947
02384500	**Conasauga River near Eton**	**34° 49'40"**	**84° 51'03"**	**252**	**Oct. 1, 1981 to current year**
02384540	**Mill Creek near Crandall**	**34° 52'19"**	**84° 43'17"**	**8.27**	**Jan. 30, 1985 to current year**
02385000	Coahulla Creek near Varnell	34° 53'43"	84° 55'15"	86.7	Oct. 1, 1939 to Dec. 31, 1942
02385500	Mill Creek at Dalton	34° 47'18"	84° 58'30"	40.1	Aug. 1, 1943 to Sep. 30, 1959

LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record
02385800	**Holly Creek near Chatsworth**	**34° 43'00"**	**84° 46'12"**	**64.0**	**Jun. 1, 1960 to current year**
02386000	Rock Creek at Ramhurst	34° 42'42"	84° 44'03"	16.5	Apr. 1, 1939 to Jun. 30, 1940
02386500	Drowning Bear Creek near Dalton	34° 43'30"	84° 56'12"	13.9	Apr. 1, 1939 to Jun. 30, 1940
02387000	**Conasauga River at Tilton**	**34° 40'00"**	**84° 55'42"**	**687**	**Jun. 5, 1937 to current year**
02387500	**Oostanaula River at Resaca**	**34° 34'42"**	**84° 56'29"**	**1,600**	**Nov. 1, 1892 to current year**
02388000	West Armuchee Creek near Subligna	34° 34'04"	85° 09'16"	36.4	Apr. 1, 1939 to Jun. 30, 1940
					May 1, 1960 to Apr. 27, 1982
02388300	Heath Creek near Rome	34° 21'57"	85° 16'17"	14.7	May 9, 1968 to Sep. 30, 1989
02388320	**Heath Creek near Armuchee**	**34° 22'18"**	**85° 15'50"**	**16.6**	**Mar. 2, 1982 to current year**
02388500	**Oostanaula River near Rome**	**34° 18'02"**	**85° 08'30"**	**2,120**	**Oct. 1, 1939 to current year**
02389000	Etowah River near Dawsonville	34° 22'57"	84° 03'21"	107	Mar. 20, 1940 to Sep. 30, 1976
02389150	**Etowah River at GA 9, near Dawsonville**	**34°21'26"**	**84°06'49"**	**131**	**Jun. 12, 2002 to current year**
02389300	Shoal Creek near Dawsonville	34° 25'13"	84° 08'47"	21.7	Jun. 1, 1958 to Sep. 30, 1974
02389500	East Amicalola Creek at Juno	34° 28'28"	84° 11'55"	28.5	Apr. 1, 1939 to Sep. 30, 1942
02390000	Amicalola Creek near Dawsonville	34° 25'32"	84° 12'43"	89.0	Apr. 1, 1939 to May 31, 1952
02390500	Long Swamp Creek near Ballground	34° 19'36"	84° 20'41"	76.6	Oct. 1, 1918 to Sep. 30, 1921
02391000	Etowah River near Ballground	34° 19'05"	84° 20'35"	477	Apr. 1, 1907 to Dec. 31, 1915
					Oct. 1, 1918 to Sep. 30, 1921
02391500	Sharp Mountain Creek near Ballground	34° 20'15"	84° 24'26"	63.8	Apr. 1, 1939 to Jun. 30, 1940
02392000	**Etowah River at Canton**	**34° 14'23"**	**84° 29'47"**	**613**	**Oct. 1, 1896 to Sep. 30, 1905**
					Oct. 1, 1936 to current year
02392500	Little River near Roswell	34° 07'09"	84° 23'18"	60.0	Jan. 1, 1947 to Sep. 30, 1976
02392950	**Noonday Creek at Hawkins Store Road, near Woodstock**	**34°03'23"**	**84°32'08"**	**24.3**	**Jul. 14, 1998 to current year**
02392975	**Noonday Creek at Shallowford Road, near Woodstock**	**34°04'06"**	**84°32'08"**	**33.6**	**Jul. 14, 1998 to current year**
02394000	**Etowah River at Allatoona Dam, above Cartersville**	**34° 09'47"**	**84° 44'28"**	**1,120**	**Sep. 1, 1938 to current year**
02394950	Hills Creek near Taylorsville	34° 04'27"	84° 57'02"	25.0	May 21, 1959 to Sep. 30, 1974
02395000	Etowah River near Kingston	34° 12'24"	84° 58'44"	1,630	Jul. 8, 1928 to Dec. 31, 1931
					Oct. 1, 1936 to Oct. 23, 1995
02395120	**Two Run Creek near Kingston**	**34° 14'34"**	**84° 53'23"**	**33.1**	**May 2, 1980 to current year**
02395500	Dykes Creek near Rome	34° 15'30"	85° 05'01"	14.9	Jan. 1, 1939 to Dec. 31, 1942
02395980	**Etowah River at GA 1 Loop, near Rome**	**34° 13'56'**	**85° 07'01"**	**1,801**	**Oct. 1, 1994 to current year**
02396000	Etowah River at Rome	34° 15'26"	85° 09'30"	1,820	Aug. 1, 1904 to Jun. 30, 1921
					Oct. 1, 1938 to Sep. 30, 1994
02397000	**Coosa River near Rome**	**34° 12'01"**	**85° 15'24"**	**4,040**	**Oct. 1, 1896 to Dec. 31, 1903**
					Jun. 21, 1928 to Dec. 31, 1931
					Mar. 10, 1937 to Dec31, 1958
					Oct. 1, 1962 to current year
02397410	Cedar Creek at Cedartown	33° 59'45"	85° 15'53"	66.9	May 4, 1981 to Oct. 2, 1997
02397500	Cedar Creek near Cedartown	34° 03'38"	85° 18'41"	115	Oct. 1, 1942 to Sep. 30, 1973
02397830	Harrisburg Creek near Hawkins	34° 36'02"	85° 23'21"	13.3	Oct. 1, 1979 to Sep. 30, 1982
02398000	**Chattooga River at Summerville**	**34° 28'03"**	**85° 20'19"**	**192**	**Mar. 11, 1937 to current year**
02411800	Little River near Buchanan	33° 47'50"	85° 07'05"	20.2	Jun. 1, 1959 to Sep. 30, 1985
02413000	Little Tallapoosa River at Carrollton	33° 35'50"	85° 04'49"	95.1	Apr. 1, 1937 to Dec. 31, 1955
03544947	**Brier Creek near Hiawassee**	**34° 50'05"**	**83° 42'34"**	**1.67**	**May 25, 1984 to current year**
03545000	Hiawassee River at Presley	34° 54'17"	83° 43'01"	45.5	Dec. 1, 1941 to Mar. 31, 1982
03545500	Hightower Creek near Presley	34° 54'59"	83° 41'55"	32.4	Dec. 1, 1941 to Sep. 30, 1945
03550500	Nottely River near Blairsville	34° 50'28"	83° 56'10"	74.8	Jan. 23, 1942 to Mar. 31, 1982
03551000	Coosa Creek near Blairsville	34° 51'05"	83° 59'35"	21.1	Dec. 12, 1941 to Sep. 30, 1945
03551500	Youngcane Creek near Youngcane	34° 52'41"	84° 03'57"	27.6	Jan. 21, 1942 to Sep. 30, 1945
03552000	Ivylog Creek near Ivylog	34° 56'26"	84° 01'27"	16.7	Feb. 14, 1942 to Sep. 30, 1945
03552500	Nottely River near Ivylog	34° 55'32"	84° 03'39"	191	Oct. 1, 1936 to Jan. 31, 1942
03553500	Nottely River at Nottely Dam near Ivylog	34° 57'55"	84° 05'25"	215	Jul. 1, 1942 to Sep. 30, 1975
03558000	Toccoa River near Dial	34° 47'24"	84° 14'24"	177	Jan. 1, 1913 to Oct. 1, 1996
03559000	Toccoa River near Blue Ridge	34° 53'14"	84° 17'07"	233	Oct. 1, 1898 to Mar. 31, 1903
					Apr. 1, 1913 to Aug. 31, 1974
03560000	Fightingtown Creek at McCaysville	34° 58'53"	84° 23'12"	70.9	Nov. 1, 1942 to Sep. 30, 1971
03567129	Mill Creek near Cedar Grove	34° 42'57"	85° 25'59"	5.62	Jul. 24, 1986 to Mar. 31, 1988
03568500	Chattanooga Creek near Flintstone	34° 58'20"	85° 19'40"	50.6	Jan. 1, 1951 to Sep. 30, 1974
03568782	Hurricane Creek near Rising Fawn	34° 45'48"	85° 30'12"	4.28	Jul. 25, 1986 to May 31, 1987
03568933	**Lookout Creek near New England**	**34° 53'51"**	**85° 27'47"**	**149**	**Aug. 30, 1979 to current year**
03569000	Lookout Creek near Wildwood	34° 57'22"	85° 24'12"	165	Aug. 7, 1945 to Feb. 28, 1946
					Apr. 1, 1946 to Aug. 15, 1946

Conversion Factors

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter (mm)
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter (m)
mile (mi)	1.609×10^{0}	kilometer (km)
	Area	
acre	4.047×10^{3}	square meter (m^2)
	4.047×10^{-1}	square hectometer (hm^2)
	4.047×10^{-3}	square kilometer (km^2)
square mile (mi^2)	2.590×10^{0}	square kilometer (km^2)
	Volume	
gallon (gal)	3.785×10^{0}	liter (L)
	3.785×10^{-3}	cubic meter (m^3)
	3.785×10^{0}	cubic decimeter (dm^3)
million gallons (Mgal)	3.785×10^{3}	cubic meter (m^3)
	3.785×10^{-3}	cubic hectometer (hm^3)
cubic foot (ft^3)	2.832×10^{-2}	cubic meter (m^3)
	2.832×10^{1}	cubic decimeter (dm^3)
cubic-foot-per-second-per-day [(ft^3/s/d]	2.447×10^{3}	cubic meter (m^3)
	2.447×10^{-3}	cubic hectometer (hm^3)
acre-foot (acre-ft)	1.223×10^{3}	cubic meter (m^3)
	1.223×10^{-3}	cubic hectometer (hm^3)
	1.223×10^{-6}	cubic kilometer (km^3)
	Flow rate	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter (L/s)
	2.832×10^{-2}	cubic meter per second (m^3/s)
	2.832×10^{1}	cubic decimeter per second (dm^3/s)
gallon per minute (gal/min)	6.309×10^{-2}	liter per second (L/s)
	6.309×10^{-5}	cubic meter per second (m^3/s)
	6.309×10^{-2}	cubic decimeter per second (dm^3/s)
million gallons per day (Mgal/d)	4.381×10^{-2}	cubic meter per second
	4.381×10^{1}	cubic decimeter per second (dm^3/s)
	Mass	
ton, short (2,000 lb)	9.072×10^{-1}	megagram (Mg) or metric ton

Temperature in degrees Celsius (ºC) may be converted to degrees Fahrenheit (°F) as follows:

$$°F = (1.8 \times °C) + 32$$

CALENDAR FOR WATER YEAR 2003

2002

OCTOBER

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

NOVEMBER

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

DECEMBER

S	M	T	W	T	F	S
1	2	3	4	5	7	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

2003

JANUARY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

FEBRUARY

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

MARCH

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

APRIL

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

MAY

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

JUNE

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

JULY

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

AUGUST

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

SEPTEMBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				