Water Resources Data–Georgia, 2003

Volume 2: Continuous ground-water-level data, and periodic surface-water- and ground-water-quality data, Calendar Year 2003

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

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

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Macon-Bibb County Water and Sewerage Authority
Monroe Water, Light and Gas Commission
Newton County Water and Sewerage Authority
Polk County Water, Sewage, and Solid Waste Authority
Rockdale County Department of Water Resources
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Suwannee River Water Management District
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INTRODUCTION

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

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

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

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

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

SPECIAL NETWORKS AND PROGRAMS

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

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

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

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

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

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

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

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

Explanation of Records

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

Station Identification Numbers

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

Downstream Order System

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

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

Latitude-Longitude System

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

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

Records of Stage and Water Discharge

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

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

Data Collection and Computation

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

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

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

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

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

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

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

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

Data Presentation

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

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

Station manuscript

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Data table of daily mean values

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

Statistics of monthly mean data

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

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

Summary statistics

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Identifying Estimated Daily Discharge

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

Accuracy of the Records

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

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

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

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

Other Records Available

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

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

Records of Surface-Water Quality

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

Classification of Records

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

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

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

On-Site Measurements and Sample Collection

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

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

Water Temperature

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

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

Sediment

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

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

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

Laboratory Measurements

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

Data Presentation

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

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

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

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

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

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

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

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

Remark Codes

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

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

Records of Ground-Water Levels

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

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

Data Collection and Computation

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

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

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

Data Presentation

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

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

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

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

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

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

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

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

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

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

ACCESS TO USGS WATER DATA

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

http://water.usgs.gov

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

http://ga.water.usgs.gov

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

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

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow

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

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

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

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

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

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

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

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

Ground Water

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

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

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

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

Reference Cited

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

Water Quality

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

Water Use in Georgia

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

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

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

DEFINITION OF TERMS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Bottom material (See "Bed material")

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Horizontal datum (See "Datum")

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Return period (See "Recurrence interval")

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Stage (See "Gage height")

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

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

Substrate is the physical surface upon which an organism lives.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Vertical datum (See "Datum")

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

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

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

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

Watershed (See "drainage basin")

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

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

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

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

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

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

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

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

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

Book 1. Collection of Water Data by Direct Measurement

Section D. Water Quality

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

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

Book 2. Collection of Environmental Data

Section D. Surface Geophysical Methods

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

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

Section E. Subsurface Geophysical Methods

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

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

Section F. Drilling and Sampling Methods

2–F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and W.E. Teasdale: USGS–TWRI book 2, chap. F1. 1989. 97 p.

Book 3. Applications of Hydraulics

Section A. Surface-Water Techniques

3–A1. General field and office procedures for indirect discharge measurements, by M.A. Benson and Tate Dalrymple: USGS–TWRI book 3, chap. A1. 1967. 30 p.

3–A2. *Measurement of peak discharge by the slope-area method,* by Tate Dalrymple and M.A. Benson: USGS– TWRI book 3, chap. A2. 1967. 12 p.

3–A3. *Measurement of peak discharge at culverts by indirect methods,* by G.L. Bodhaine: USGS–TWRI book 3, chap. A3. 1968. 60 p.

3–A4. *Measurement of peak discharge at width contractions by indirect methods,* by H.F. Matthai: USGS-TWRI book 3, chap. A4. 1967. 44 p.

3–A5. *Measurement of peak discharge at dams by indirect methods,* by Harry Hulsing: USGS–TWRI book 3, chap. A5. 1967. 29 p.

3–A6. *General procedure for gaging streams,* by R.W. Carter and Jacob Davidian: USGS–TWRI book 3, chap. A6. 1968. 13 p.

3–A7. *Stage measurement at gaging stations,* by T.J. Buchanan and W.P. Somers: USGS–TWRI book 3, chap. A7. 1968. 28 p.

3–A8. *Discharge measurements at gaging stations,* by T.J. Buchanan and W.P. Somers: USGS–TWRI book 3, chap. A8. 1969. 65 p.

3–A9. *Measurement of time of travel in streams by dye tracing,* by F.A. Kilpatrick and J.F. Wilson, Jr.: USGS– TWRI book 3, chap. A9. 1989. 27 p.

3–Al0. *Discharge ratings at gaging stations,* by E.J. Kennedy: USGS–TWRI book 3, chap. A10. 1984. 59 p.

3–A11. *Measurement of discharge by the moving-boat method,* by G.F. Smoot and C.E. Novak: USGS–TWRI book 3, chap. A11. 1969. 22 p.

3–A12. *Fluorometric procedures for dye tracing*, Revised, by J.F. Wilson, Jr., E.D. Cobb, and F.A. Kilpatrick: USGS–TWRI book 3, chap. A12. 1986. 34 p.

3–A13. *Computation of continuous records of streamflow*, by E.J. Kennedy: USGS–TWRI book 3, chap. A13. 1983. 53 p.

3–A14. *Use of flumes in measuring discharge,* by F.A. Kilpatrick and V.R. Schneider: USGS–TWRI book 3, chap. A14. 1983. 46 p.

3–A15. *Computation of water-surface profiles in open channels,* by Jacob Davidian: USGS–TWRI book 3, chap. A15. 1984. 48 p.

3–A16. *Measurement of discharge using tracers*, by F.A. Kilpatrick and E.D. Cobb: USGS–TWRI book 3, chap. A16. 1985. 52 p.

3–A17. *Acoustic velocity meter systems,* by Antonius Laenen: USGS–TWRI book 3, chap. A17. 1985. 38 p.

3–A18. *Determination of stream reaeration coefficients by use of tracers,* by F.A. Kilpatrick, R.E. Rathbun, Nobuhiro Yotsukura, G.W. Parker, and L.L. DeLong: USGS–TWRI book 3, chap. A18. 1989. 52 p.

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

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

3–A21 *Stream-gaging cableways,* by C. Russell Wagner: USGS–TWRI book 3, chap. A21. 1995. 56 p.

Section B. Ground-Water Techniques

3–B1. *Aquifer-test design, observation, and data analysis,* by R.W. Stallman: USGS–TWRI book 3, chap. B1. 1971. 26 p.

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

3–B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J.E. Reed: USGS–TWRI book 3, chap. B3. 1980. 106 p.

3–B4. *Regression modeling of ground-water flow,* by R.L. Cooley and R.L. Naff: USGS–TWRI book 3, chap. B4. 1990. 232 p.

3–B4. *Supplement 1. Regression modeling of ground-water flow*—Modifications to the computer code for nonlinear regression solution of steady-state ground-water flow problems, by R.L. Cooley: USGS–TWRI book 3, chap. B4. 1993. 8 p.

3–B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems*—An introduction, by O.L. Franke, T.E. Reilly, and G.D. Bennett: USGS–TWRI book 3, chap. B5. 1987. 15 p.

3–B6. *The principle of superposition and its application in ground-water hydraulics,* by T.E. Reilly, O.L. Franke, and G.D. Bennett: USGS–TWRI book 3, chap. B6. 1987. 28 p.

3–B7. *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow,* by E.J. Wexler: USGS–TWRI book 3, chap. B7. 1992. 190 p.

3–B8. *System and boundary conceptualization in ground-water flow simulation,* by T.E. Reilly: USGS–TWRI book 3, chap. B8. 2001. 29 p.

Section C. Sedimentation and Erosion Techniques

3–C1. *Fluvial sediment concepts,* by H.P. Guy: USGS–TWRI book 3, chap. C1. 1970. 55 p.

3–C2. *Field methods for measurement of fluvial sediment*, by T.K. Edwards and G.D. Glysson: USGS–TWRI book 3, chap. C2. 1999. 89 p.

3–C3. *Computation of fluvial-sediment discharge,* by George Porterfield: USGS–TWRI book 3, chap. C3. 1972. 66 p.

Book 4. Hydrologic Analysis and Interpretation

Section A. Statistical Analysis

4–A1. *Some statistical tools in hydrology*, by H.C. Riggs: USGS–TWRI book 4, chap. A1. 1968. 39 p.

4–A2. *Frequency curves,* by H.C. Riggs: USGS–TWRI book 4, chap. A2. 1968. 15 p.

4–A3. *Statistical methods in water resources*, by D.R. Helsel and R.M. Hirsch: USGS–TWRI book 4, chap. A3. 1991. Available only online at http://water.usgs.gov/pubs/twri/twri4a3/. (Accessed August 30, 2002.)

Section B. Surface Water

4–B1. *Low-flow investigations,* by H.C. Riggs: USGS–TWRI book 4, chap. B1. 1972. 18 p.

4–B2. *Storage analyses for water supply*, by H.C. Riggs and C.H. Hardison: USGS–TWRI book 4, chap. B2. 1973. 20 p.

4–B3. *Regional analyses of streamflow characteristics,* by H.C. Riggs: USGS–TWRI book 4, chap. B3. 1973.
15 p.

Section D. Interrelated Phases of the Hydrologic Cycle

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

Book 5. Laboratory Analysis

Section A. Water Analysis

5–A1. *Methods for determination of inorganic substances in water and fluvial sediments,* by M.J. Fishman and L.C. Friedman, editors: USGS–TWRI book 5, chap. A1. 1989. 545 p.

5–A2. *Determination of minor elements in water by emission spectroscopy,* by P.R. Barnett and E.C. Mallory, Jr.: USGS–TWRI book 5, chap. A2. 1971. 31 p.

5–A3. *Methods for the determination of organic substances in water and fluvial sediments*, edited by R.L. Wershaw, M.J. Fishman, R.R. Grabbe, and L.E. Lowe: USGS–TWRI book 5, chap. A3. 1987. 80 p.

5–A4. *Methods for collection and analysis of aquatic biological and microbiological samples,* by L.J. Britton and P.E. Greeson, editors: USGS–TWRI book 5, chap. A4. 1989. 363 p.

5–A5. *Methods for determination of radioactive substances in water and fluvial sediments,* by L.L. Thatcher, V.J. Janzer, and K.W. Edwards: USGS–TWRI book 5, chap. A5. 1977. 95 p.

5–A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments,* by L.C. Friedman and D.E. Erdmann: USGS–TWRI book 5, chap. A6. 1982. 181 p.

Section C. Sediment Analysis

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

Book 6. Modeling Techniques

Section A. Ground Water

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

6–A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model,* by S.A. Leake and D.E. Prudic: USGS–TWRI book 6, chap. A2. 1991. 68 p.

6–A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model Description and User's Manual,* by L.J. Torak: USGS–TWRI book 6, chap. A3. 1993. 136 p.

6–A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions,* by R.L. Cooley: USGS– TWRI book 6, chap. A4. 1992. 108 p.

6–A5. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 3: Design philosophy and programming details,* by L.J. Torak: USGS–TWRI book 6, chap. A5. 1993. 243 p.

6–A6. *A coupled surface-water and ground-water flow model (MODBRANCH) for simulation of stream-aquifer interaction*, by Eric D. Swain and Eliezer J. Wexler: USGS–TWRI book 6, chap. A6. 1996. 125 p.

6–A7. *User's guide to SEAWAT: A computer program for simulation of three-dimensional variable-density ground-water flow*, by Weixing Guo and Christian D. Langevin: USGS–TWRI book 6, chap. A7. 2002. 77 p.

Book 7. Automated Data Processing and Computations

Section C. Computer Programs

7–C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments,* by P.C. Trescott, G.F. Pinder, and S.P. Larson: USGS–TWRI book 7, chap. C1. 1976. 116 p.

7–C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L.F. Konikow and J.D. Bredehoeft: USGS–TWRI book 7, chap. C2. 1978. 90 p.

7–C3. *A model for simulation of flow in singular and interconnected channels,* by R.W. Schaffranek, R.A. Baltzer, and D.E. Goldberg: USGS–TWRI book 7, chap. C3. 1981. 110 p.

Book 8. Instrumentation

Section A. Instruments for Measurement of Water Level

8–A1. *Methods of measuring water levels in deep wells,* by M.S. Garber and F.C. Koopman: USGS–TWRI book 8, chap. A1. 1968. 23 p.

8–A2. *Installation and service manual for U.S. Geological Survey manometers*, by J.D. Craig: USGS–TWRI book 8, chap. A2. 1983. 57 p.

Section B. Instruments for Measurement of Discharge

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

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

Book 9. Handbooks for Water-Resources Investigations

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

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

9–A2. *National field manual for the collection of water-quality data: Selection of equipment for water sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A2. 1998. 94 p.

9–A3. *National field manual for the collection of water-quality data: Cleaning of equipment for water sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A3. 1998. 75 p.

9–A4. *National field manual for the collection of water-quality data: Collection of water samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A4. 1999. 156 p.

9–A5. *National field manual for the collection of water-quality data: Processing of water samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A5. 1999, 149 p.

9–A6. *National field manual for the collection of water-quality data: Field measurements*, edited by F.D. Wilde and D.B. Radtke: USGS–TWRI book 9, chap. A6. 1998. Variously paginated.

9–A7. *National field manual for the collection of water-quality data: Biological indicators*, edited by D.N. Myers and F.D. Wilde: USGS–TWRI book 9, chap. A7. 1997 and 1999. Variously paginated.

9–A8. *National field manual for the collection of water-quality data: Bottom-material samples*, by D.B. Radtke: USGS–TWRI book 9, chap. A8. 1998. 48 p.

9–A9. *National field manual for the collection of water-quality data: Safety in field activities*, by S.L. Lane and R.G. Fay: USGS–TWRI book 9, chap. A9. 1998. 60 p.

Periodic Water-Quality Data (Calendar Year)
by Major River Basin

02177000 CHATTOOGA RIVER AT US HIGHWAY 76, NEAR CLAYTON, GA (GEORGIA EPD ID 01001001)

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

DRAINAGE AREA.--207 square miles.

ELEVATION.--1165.6 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to February 1994, November 1994 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharges for the samples collected October–December 2003 are still "provisional" as of the publication date and are available upon request.

02177000 CHATTOOGA RIVER AT US HIGHWAY 76, NEAR CLAYTON, GA--Continued (GEORGIA EPD ID 01001001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
09...	0830	EST	81341	660	4.3	12.3	102	6.7	6.3	14	10	12.3	5.7
16...	0800	EST	81213	552	--	13.0	98	6.8	6.9	13	10	-2.1	3.0
30...	1335	EST	81213	592	--	7.7	64	6.3	7.0	15	12	9.6	6.0
FEB													
04...	1245	EST	81341	626	1.6	11.1	99	6.4	6.4	15	11	11.5	8.6
MAR													
13...	0815	EST	81341	669	1.5	11.1	102	6.9	6.0	15	11	9.0	10.3
APR													
10...	0730	EST	81341	1020	2.4	10.6	99	6.7	6.1	14	11	6.9	10.2
MAY													
30...	0815	EST	81341	761	1.9	9.6	100	6.2	6.3	13	11	12.2	15.4
JUN													
05...	1155	EST	81213	714	--	9.5	106	6.7	7.0	14	13	28.0	18.4
12...	0730	EST	81213	909	--	9.0	99	6.0	6.8	13	11	20.5	18.6
19...	0800	EST	81341	1020	5.4	9.4	101	6.3	6.4	18	11	20.4	17.4
JUL													
24...	0745	EST	81213	724	--	8.6	96	6.5	6.9	14	11	13.5	19.2
31...	0815	EST	81341	889	32	8.5	97	6.8	6.2	17	12	21.6	20.4
AUG													
07...	0730	EST	81213	742	--	8.8	100	6.5	6.8	14	12	19.3	20.0
14...	0800	EST	81341	889	6.3	8.7	97	6.8	6.5	18	11	19.1	19.6
SEP													
04...	0620	EST	81341	1070	5.9	8.5	97	6.5	6.2	14	13	21.1	19.8
OCT													
23...	0815	EST	81341	--	<1.0	9.5	92	6.8	6.3	16	12	3.3	12.2
NOV													
20...	0830	EST	81341	--	11	9.8	95	6.5	5.9	13	10	3.5	12.2
DEC													
03...	0815	EST	81213	--	--	11.1	92	7.5	6.9	13	13	1.9	6.5
11...	0745	EST	81341	--	11	11.3	100	6.7	6.1	15	10	.9	7.9
17...	1000	EST	81213	--	--	12.0	103	6.9	6.7	13	13	5.1	7.1

02177000 CHATTOOGA RIVER AT US HIGHWAY 76, NEAR CLAYTON, GA--Continued (GEORGIA EPD ID 01001001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, low level, water, unfltrd mg/L (00335)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN										
09...	3	1	<.10	<.030	.020	<.020	1.0	<2.0	<10	60
16...	--	--	--	--	--	--	--	--	--	<20
30...	--	--	--	--	--	--	--	--	--	40
FEB										
04...	3	2	<.10	<.030	.020	<.020	<1.0	<2.0	<10	<20
MAR										
13...	3	2	<.10	<.030	.020	<.020	<1.0	<2.0	<10	--
APR										
10...	3	4	<.10	<.030	.040	<.020	1.0	<2.0	16	--
MAY										
30...	4	3	<.10	<.030	<.020	<.020	1.9	<2.0	<10	20
JUN										
05...	--	--	--	--	--	--	--	--	--	130
12...	--	--	--	--	--	--	--	--	--	20
19...	3	18	<.10	<.030	.030	<.020	2.2	<2.0	<10	700
JUL										
24...	--	--	--	--	--	--	--	--	--	50
31...	3	45	.14	<.030	.040	.030	2.1	<2.0	30	3300
AUG										
07...	--	--	--	--	--	--	--	--	--	170
14...	3	13	.26	<.030	.030	<.020	1.9	<2.0	<10	70
SEP										
04...	3	18	.35	<.030	.050	<.020	2.3	<2.0	38	--
OCT										
23...	3	<1	<.10	<.030	<.020	<.020	1.2	<2.0	<10	--
NOV										
20...	1	36	.26	<.030	.040	.030	2.2	<2.0	<10	1100
DEC										
03...	--	--	--	--	--	--	--	--	--	<20
11...	1	27	.00	<.030	.050	.040	1.9	<2.0	<10	140
17...	--	--	--	--	--	--	--	--	--	330

Remark codes used in this report:
< -- Less than

02197065 SAVANNAH RIVER BELOW SPIRIT CREEK, NEAR AUGUSTA, GA (GEORGIA EPD ID 01011001)

LOCATION.--Lat 33º19'50", long 81º54'55" (referenced to North American Datum (NAD) of 1927), Richmond County, Hydrologic Unit 03060106, 50 feet upstream from the Federal Paperboard outfall, 0.5 mile downstream from confluence with Spirit Creek, and 10.0 miles southwest of Augusta, and at mile 182.5.

DRAINAGE AREA.--7,630 square miles.

ELEVATION.--110 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1990 to February 1994, December 1994 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir and Thurmond Lake.

02197065 SAVANNAH RIVER BELOW SPIRIT CREEK, NEAR AUGUSTA, GA--Continued (GEORGIA EPD ID 01011001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)
JAN													
07...	1445	EST	81341	4260	30	4.4	11.6	102	6.8	7.0	92	93	10.9
FEB													
18...	1105	EST	81341	7860	30	10	11.8	100	--	7.0	85	81	5.8
25...	1055	EST	81213	7840	--	--	10.7	98	7.2	6.9	78	81	15.8
MAR													
04...	1030	EST	81213	6670	--	--	11.8	106	7.2	7.1	83	84	16.7
11...	1100	EST	81341	20700	40	16	11.0	99	7.2	6.9	77	80	17.4
APR													
15...	1100	EST	81341	24800	40	12	10.6	102	7.4	6.9	66	72	23.2
21...	1025	EST	81213	10200	--	--	9.7	98	6.8	7.0	80	81	25.3
23...	0910	EST	81213	7740	--	--	9.9	99	7.0	7.0	77	80	16.3
28...	1115	EST	81213	10200	--	--	9.9	101	6.8	7.0	72	75	25.7
MAY													
12...	1130	EST	81341	28400	50	15	9.4	95	6.7	6.8	59	58	25.8
JUN													
24...	1115	EST	81341	16700	20	7.7	8.7	92	6.5	6.7	68	71	32.6
JUL													
08...	1020	EST	81341	28800	20	5.5	8.4	--	6.3	7.2	67	--	33.1
AUG													
19...	1110	EST	81341	13100	30	4.8	7.7	--	6.5	6.9	66	--	26.3
26...	1000	EST	81213	--	--	--	8.2	--	6.4	7.0	62	--	28.4
SEP													
09...	0940	EST	81213	3780	--	--	8.2	--	6.4	7.0	95	--	27.8
16...	1010	EST	81341	8600	70	12	8.7	--	7.2	7.4	290	--	27.5
OCT													
14...	1040	EST	81341	8080	30	2.8	8.1	--	6.9	6.6	83	--	22.2
NOV													
04...	1130	EST	81341	6300	30	5.2	8.7	--	7.2	7.3	190	--	23.3
12...	1100	EST	81213	--	--	--	9.5	--	7.1	7.2	82	--	24.8
18...	1045	EST	81213	5360	--	--	9.4	100	7.2	7.2	78	79	23.6
DEC													
02...	1225	EST	81341	7380	10	2.7	6.9	66	--	7.1	87	86	13.2

02197065 SAVANNAH RIVER BELOW SPIRIT CREEK, NEAR AUGUSTA, GA--Continued (GEORGIA EPD ID 01011001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Temperature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Organic nitrogen, water, unfltrd mg/L (00605)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, low level, water, unfltrd mg/L (00335)	Fecal coliform, ECbroth water, MPN/ 100 mL (31615)
JAN												
07...	9.8	17	2	.35	.120	.360	.23	.070	3.4	<2.0	<10	--
FEB												
18...	8.3	15	8	.28	.080	.260	.20	.090	5.4	<2.0	29	130
25...	11.8	--	--	--	--	--	--	--	--	--	--	490
MAR												
04...	10.8	--	--	--	--	--	--	--	--	--	--	20
11...	10.9	15	27	.25	.060	.230	.19	.060	2.7	<2.0	--	50
APR												
15...	14.2	14	12	.28	.040	.240	.24	.030	3.0	<2.0	11	50
21...	15.9	--	--	--	--	--	--	--	--	--	--	20
23...	15.5	--	--	--	--	--	--	--	--	--	--	<20
28...	16.9	--	--	--	--	--	--	--	--	--	--	<20
MAY												
12...	16.1	13	13	.23	.030	.260	.20	.060	3.7	<2.0	11	--
JUN												
24...	18.8	13	10	.18	<.030	.310	--	.060	4.5	<2.0	--	--
JUL												
08...	19.0	13	10	<.10	<.030	.260	--	.030	4.4	<2.0	31	--
AUG												
19...	22.9	16	5	.26	.040	.260	.22	.060	4.8	<2.0	27	1800
26...	23.3	--	--	--	--	--	--	--	--	--	--	80
SEP												
09...	22.3	--	--	--	--	--	--	--	--	--	--	20
16...	24.1	55	8	1.1	.340	.290	.76	.120	12.0	3.0	40	50
OCT												
14...	22.3	20	5	.29	.050	.210	.24	.070	4.6	<2.0	<10	--
NOV												
04...	20.9	34	4	.56	.170	.230	.39	.110	7.8	<2.0	22	80
12...	18.3	--	--	--	--	--	--	--	--	--	--	20
18...	18.5	--	--	--	--	--	--	--	--	--	--	<20
DEC												
02...	14.2	17	2	.31	.070	.280	.24	.060	4.2	<2.0	<10	<20

Remark codes used in this report:
< -- Less than

02198500 SAVANNAH RIVER NEAR CLYO, GA
(GEORGIA EPD ID 01014001)

LOCATION.--Lat 32º31'30", long 81º15'45" (referenced to North American Datum (NAD) of 1927), Effingham County, GA-Jasper County, SC, Hydrologic Unit 03060109, on the downstream side of the center pier of drawspan of the bridge on Seaboard Coast Line Railroad, 3.0 miles north of Clyo, and at mile 60.9.

DRAINAGE AREA.--9,850 square miles.

ELEVATION.--13.39 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1938 to April 1939, October 1964 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January 1974 to July 1977.
WATER TEMPERATURE: May 1938 to April 1939, January 1974 to July 1977.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake.

02198500 SAVANNAH RIVER NEAR CLYO, GA--Continued (GEORGIA EPD ID 01014001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)
JAN													
07...	0900	EST	81341	7060	40	9.0	10.2	87	7.0	7.1	120	122	3.6
FEB													
18...	1615	EST	81341	7080	40	11	9.9	87	6.9	7.2	130	129	13.5
25...	1610	EST	81213	8620	--	--	9.3	89	7.2	7.2	108	109	23.2
MAR													
04...	1440	EST	81213	11600	--	--	9.9	91	6.8	7.2	97	99	15.4
11...	1620	EST	81341	14500	120	54	8.7	84	7.0	6.7	76	77	23.3
APR													
15...	1630	EST	81341	24800	10	15	7.5	76	6.8	6.6	68	73	23.6
21...	1515	EST	81213	26800	--	--	6.7	70	6.4	6.8	72	74	27.0
23...	1400	EST	81213	25000	--	--	6.6	69	6.5	6.8	78	81	26.2
28...	1545	EST	81213	16800	--	--	7.3	78	6.6	6.9	88	91	29.3
MAY													
12...	1700	EST	81341	15500	80	22	5.9	68	6.4	6.6	73	75	28.1
JUN													
24...	1620	EST	81341	18700	80	8.8	5.3	--	6.5	6.7	78	--	28.1
JUL													
08...	1540	EST	81341	17200	70	8.7	5.6	66	6.4	6.8	72	73	33.4
AUG													
19...	1600	EST	81341	16000	60	8.2	5.9	71	6.5	6.8	78	83	35.2
26...	1430	EST	81213	--	--	--	5.8	--	6.5	7.0	92	--	33.8
SEP													
09...	1430	EST	81213	8770	--	--	6.3	74	6.7	7.4	109	117	29.5
16...	1510	EST	81341	7660	50	15	6.6	80	7.1	7.2	110	120	31.5
OCT													
14...	1530	EST	81341	6990	40	8.0	7.5	87	7.3	7.2	120	122	28.2
NOV													
04...	1630	EST	81341	6820	30	7.5	7.6	84	7.3	7.1	120	122	26.5
12...	1430	EST	81213	--	--	--	8.3	88	7.1	7.3	119	122	27.4
18...	1540	EST	81213	6060	--	--	8.6	89	7.0	7.4	121	123	24.9
DEC													
02...	1700	EST	81341	6810	20	5.6	9.7	--	7.2	7.2	130	--	11.4

02198500 SAVANNAH RIVER NEAR CLYO, GA--Continued
(GEORGIA EPD ID 01014001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Temperature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Organic nitrogen, water, unfltrd mg/L (00605)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, low level, water, unfltrd mg/L (00335)	Fecal coliform, ECbroth water, MPN/ 100 mL (31615)
JAN												
07...	9.1	24	9	.45	.040	.380	.41	.080	5.3	<2.0	12	--
FEB												
18...	10.1	27	14	.72	.340	.320	.38	.130	8.1	<2.0	32	20
25...	13.2	--	--	--	--	--	--	--	--	--	--	<20
MAR												
04...	11.6	--	--	--	--	--	--	--	--	--	--	20
11...	13.6	13	60	.53	.080	.220	.45	.140	8.5	<2.0	36	490
APR												
15...	16.7	15	12	.64	.090	.220	.55	.070	11.0	<2.0	33	50
21...	17.9	--	--	--	--	--	--	--	--	--	--	<20
23...	18.0	--	--	--	--	--	--	--	--	--	--	90
28...	18.6	--	--	--	--	--	--	--	--	--	--	<20
MAY												
12...	21.5	18	17	.50	.050	.250	.45	.090	7.3	<2.0	25	--
JUN												
24...	23.9	20	6	.21	<.030	.220	--	.080	9.7	<2.0	41	--
JUL												
08...	23.9	17	7	.27	<.030	.200	--	.070	9.0	<2.0	25	--
AUG												
19...	25.3	21	8	.29	<.030	.240	--	.080	6.4	<2.0	18	20
26...	26.3	--	--	--	--	--	--	--	--	--	--	<20
SEP												
09...	23.7	--	--	--	--	--	--	--	--	--	--	<20
16...	25.2	27	29	.37	<.030	.350	--	.100	5.5	<2.0	15	<20
OCT												
14...	22.4	26	12	.29	<.030	.350	--	.100	5.4	<2.0	<10	--
NOV												
04...	20.5	24	12	.30	<.030	.280	--	.080	6.1	<2.0	19	<20
12...	18.7	--	--	--	--	--	--	--	--	--	--	<20
18...	17.8	--	--	--	--	--	--	--	--	--	--	20
DEC												
02...	13.2	26	7	.34	.030	.360	.31	2.10	5.0	<2.0	<10	50

Remark codes used in this report:
< -- Less than

02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA (GEORGIA EPD ID 01015001)

LOCATION.--Lat 32º09'57", long 81º09'14" (referenced to North American Datum (NAD) of 1927), Chatham County, Hydrologic Unit 03060109, at Houlihan Bridge on Georgia Highway 25, 1.4 miles north of Port Wentworth.

ELEVATION.--10 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2002 to current year.

REMARKS.--Station name reflects highway number change by Georgia Department of Transportation; station location is unchanged. Previously published as "Savannah River at US Highway 17, at Port Wentworth, GA". Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Gage Height, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Gage Heights for the samples collected October–December 2003 are still "provisional" as of publication date and are available upon request.

02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA--Continued (GEORGIA EPD ID 01015001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Color, water, fltrd, Pt-Co units (00080)	Tur-bidity, NTU (00076)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc-tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)
JAN													
08...	1415	EST	81341	2.80	30	17	9.2	85	7.7	7.4	8700	8640	17.2
FEB													
19...	1540	EST	81341	-3.09	50	16	10.0	--	--	7.2	460	--	15.8
26...	1455	EST	81213	2.41	--	--	10.8	--	7.3	7.1	1090	--	13.2
MAR													
03...	0800	EST	81213	4.69	--	--	8.9	84	7.0	7.0	1110	1120	8.6
12...	1305	EST	81341	1.92	80	38	8.1	80	7.2	7.1	4000	4200	23.0
APR													
16...	0810	EST	81341	5.71	120	27	8.0	82	6.8	6.7	160	172	16.8
22...	1345	EST	81213	4.63	--	--	5.9	64	6.6	6.7	73	73	26.4
24...	1355	EST	81213	4.25	--	--	6.5	68	6.9	6.8	79	81	21.8
29...	0705	EST	81213	4.68	--	--	6.1	66	6.7	6.9	176	201	15.9
MAY													
13...	0810	EST	81341	2.39	100	22	5.8	67	7.0	7.0	1300	1260	19.6
JUN													
25...	0920	EST	81341	-1.30	80	13	6.2	73	6.9	6.7	83	88	23.3
JUL													
09...	0810	EST	81341	-2.20	100	15	5.0	61	6.9	6.8	83	85	29.0
AUG													
20...	1320	EST	81341	4.07	80	8.0	5.0	65	7.0	7.2	9500	9620	27.0
27...	0935	EST	81213	4.22	--	--	4.8	60	6.8	6.9	1290	1160	27.4
SEP													
10...	0955	EST	81213	5.10	--	--	4.8	57	6.8	7.0	3800	3920	24.3
18...	1020	EST	81341	1.05	40	11	6.3	79	7.3	7.4	9600	9570	25.5
OCT													
15...	1350	EST	81341	--	50	15	5.6	68	7.4	7.5	9100	9210	22.1
NOV													
05...	0910	EST	81341	--	40	7.3	6.3	72	7.1	7.2	6100	6280	25.7
13...	1115	EST	81213	--	--	--	7.1	81	7.2	7.4	7640	7720	21.6
19...	1645	EST	81213	--	--	--	7.4	84	7.3	7.3	9480	9820	20.3
DEC													
03...	1520	EST	81341	--	30	4.8	8.4	83	7.3	7.4	4000	4000	14.1

02198920 SAVANNAH RIVER AT GA 25, AT PORT WENTWORTH, GA--Continued (GEORGIA EPD ID 01015001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Temperature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coliform, ECbroth water, MPN/ 100 mL (31615)
JAN											
08...	10.5	46	2600	390	26	.100	.320	.090	7.3	<2.0	--
FEB											
19...	11.2	27	90.0	26.0	27	<.030	.290	.140	7.1	<2.0	700
26...	13.3	--	--	--	--	--	--	--	--	--	<20
MAR											
03...	12.8	--	--	--	--	--	--	--	--	--	80
12...	14.8	31	1250	193	47	.080	.230	.120	10.0	<2.0	330
APR											
16...	17.1	20	29.0	12.0	28	.100	.200	.100	12.0	<2.0	40
22...	19.1	--	--	--	--	--	--	--	--	--	20
24...	18.1	--	--	--	--	--	--	--	--	--	20
29...	19.2	--	--	--	--	--	--	--	--	--	70
MAY											
13...	22.4	24	330	54.0	19	.100	.240	.100	.0	<2.0	--
JUN											
25...	24.1	21	<10.0	<10.0	16	<.030	.210	.100	11.0	<2.0	--
JUL											
09...	24.9	20	<10.0	11.0	23	<.030	.180	.100	8.8	<2.0	--
AUG											
20...	26.7	38	3000	480	12	.060	.180	.080	10.0	<2.0	20
27...	27.2	--	--	--	--	--	--	--	--	--	340
SEP											
10...	24.9	--	--	--	--	--	--	--	--	--	140
18...	25.5	43	2900	440	20	.030	.300	.080	6.8	<2.0	20
OCT											
15...	23.3	52	2900	440	32	<.030	.300	.080	10.0	<2.0	--
NOV											
05...	21.0	39	1900	300	15	<.030	.220	.070	7.7	<2.0	230
13...	20.6	--	--	--	--	--	--	--	--	--	20
19...	19.3	--	--	--	--	--	--	--	--	--	80
DEC											
03...	14.3	30	1100	170	5	<.030	.320	.080	9.0	<2.0	20

Remark codes used in this report:
< -- Less than

SAVANNAH RIVER BASIN
2003 Calendar Year

02198975 SAVANNAH RIVER AT SAVANNAH, GA
(GEORGIA EPD ID 01018001)

LOCATION.--Lat 33º05'44", long 81º06'25" (referenced to North American Datum (NAD) of 1927), Chatham County, GA, Hydrologic Unit 03060109, 0.7 mile upstream from Talmadge Memorial Bridge and 4.0 miles upstream from confluence with Back River, at Savannah.

ELEVATION.--0 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2002 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Previously published as "Savannah River near Savannah, GA".

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Color, water, fltrd, Pt-Co units (00080)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
08...	1340	EST	81341	30	11	9.2	87	7.9	7.6	16000	15700	16.1	10.5
FEB													
19...	1450	EST	81341	30	25	9.1	86	--	7.5	11000	10300	17.5	11.7
26...	1440	EST	81213	--	--	9.4	92	7.4	7.3	9030	8870	13.2	13.1
MAR													
03...	0840	EST	81213	--	--	8.1	78	7.3	7.2	7230	7230	10.1	12.8
12...	1225	EST	81341	60	22	8.2	82	7.3	7.2	10000	10600	26.1	14.1
APR													
16...	0730	EST	81341	80	44	9.3	97	7.0	7.1	4100	4290	16.4	17.0
22...	1315	EST	81213	--	--	5.8	--	6.7	6.8	96	--	26.3	19.0
24...	1325	EST	81213	--	--	6.0	65	6.9	6.8	1770	1780	23.4	18.9
29...	1300	EST	81213	--	--	5.9	64	6.8	6.9	1280	1350	26.0	19.5
MAY													
13...	0735	EST	81341	40	13	5.3	65	7.3	7.3	14000	13900	16.0	23.0
JUN													
25...	0845	EST	81341	80	8.6	4.6	57	7.0	7.1	4300	4350	22.9	25.1
JUL													
09...	0720	EST	81341	70	36	5.1	63	7.2	7.2	4700	4750	29.0	25.9
AUG													
20...	1245	EST	81341	70	6.5	4.2	55	7.2	7.3	14000	14500	26.1	26.8
27...	0910	EST	81213	--	--	4.0	51	6.9	7.0	4720	4340	26.5	27.6
SEP													
10...	0930	EST	81213	--	--	4.2	52	7.0	7.2	9410	9660	23.1	25.7
18...	1100	EST	81341	40	7.1	5.1	66	7.4	7.5	16000	16100	25.0	25.6
OCT													
15...	1315	EST	81341	30	7.2	5.3	66	7.5	7.5	17000	17400	23.6	23.2
NOV													
05...	0830	EST	81341	40	4.7	6.2	72	7.2	7.4	11000	11500	23.8	21.1
13...	1050	EST	81213	--	--	6.5	74	7.3	7.4	10500	10800	22.2	20.6
19...	1620	EST	81213	--	--	6.9	80	7.5	7.5	18500	18600	20.8	19.5
DEC													
03...	1445	EST	81341	20	5.2	7.3	76	7.5	7.6	14000	14000	14.7	15.2

SAVANNAH RIVER BASIN
2003 Calendar Year

02198975 SAVANNAH RIVER AT SAVANNAH, GA--Continued
(GEORGIA EPD ID 01018001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN										
08...	54	4900	700	18	.080	.280	.050	6.8	<2.0	--
FEB										
19...	48	4400	630	46	.080	.290	.130	7.6	<2.0	1700
26...	--	--	--	--	--	--	--	--	--	80
MAR										
03...	--	--	--	--	--	--	--	--	--	50
12...	38	3400	500	30	.090	.230	.080	8.1	<2.0	490
APR										
16...	31	1300	210	86	.130	.220	.170	.0	<2.0	170
22...	--	--	--	--	--	--	--	--	--	140
24...	--	--	--	--	--	--	--	--	--	80
29...	--	--	--	--	--	--	--	--	--	80
MAY										
13...	45	4700	690	15	.100	.210	.060	.0	<2.0	--
JUN										
25...	28	1400	200	8	.050	.210	.080	11.0	<2.0	--
JUL										
09...	30	1200	200	86	.060	.150	.170	9.2	<2.0	--
AUG										
20...	44	4600	710	10	.070	.160	.060	8.5	<2.0	50
27...	--	--	--	--	--	--	--	--	--	490
SEP										
10...	--	--	--	--	--	--	--	--	--	<20
18...	58	5300	780	13	.040	.270	.050	12.0	<2.0	50
OCT										
15...	62	5900	860	14	.070	.280	.050	8.2	<2.0	--
NOV										
05...	49	3700	600	8	<.030	.210	.060	7.2	<2.0	330
13...	--	--	--	--	--	--	--	--	--	20
19...	--	--	--	--	--	--	--	--	--	220
DEC										
03...	51	4600	720	8	.040	.300	.070	9.9	<2.0	<20

Remark codes used in this report:
< -- Less than

SAVANNAH RIVER BASIN
2003 Calendar Year

0219897991 SAVANNAH RIVER AT FORT JACKSON, NEAR SAVANNAH, GA (GEORGIA EPD ID 01021001)

LOCATION.--Lat 32º04'59", long 81º02'13" (referenced to North American Datum (NAD) of 1927), Chatham County, Hydrologic Unit 03060109, 3.7 miles downstream from the Talmadge Memorial Bridge, 0.3 mile downstream from confluence with Back River, at Fort Jackson and 0.8 mile east of Savannah.

ELEVATION.--0 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2002 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Color, water, fltrd, Pt-Co units (00080)	Tur-bidity, NTU (00076)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc-tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)
JAN													
09...	1505	EST	81341	10	9.4	9.2	93	7.8	7.9	27000	26600	18.8	10.8
FEB													
20...	1210	EST	81341	20	16	8.9	89	7.9	7.8	26000	24600	16.1	11.7
26...	1415	EST	81213	--	--	8.9	88	7.5	7.3	12500	12400	12.2	12.9
MAR													
03...	0905	EST	81213	--	--	8.3	83	7.5	7.4	15500	15600	9.9	12.8
13...	1530	EST	81341	40	12	7.8	83	7.7	7.6	23000	23600	20.9	14.4
APR													
17...	0955	EST	81341	60	20	6.3	70	7.2	7.4	13000	13800	22.7	18.4
22...	1255	EST	81213	--	--	5.7	63	6.7	6.8	1350	2390	25.4	19.4
24...	1310	EST	81213	--	--	5.8	64	7.0	7.0	6220	6260	21.7	19.5
30...	0905	EST	81213	--	--	5.8	65	6.9	7.0	5060	4960	24.1	20.6
MAY													
14...	0900	EST	81341	30	11	5.3	66	7.5	7.6	19000	19200	22.8	23.3
JUN													
26...	0830	EST	81341	60	6.5	3.8	48	7.2	7.3	13000	12800	25.4	26.0
JUL													
10...	0850	EST	81341	50	12	4.4	56	7.3	7.4	12000	12000	28.8	26.7
AUG													
21...	1445	EST	81341	50	4.7	4.3	58	7.4	7.5	20000	20900	26.4	27.3
27...	0845	EST	81213	--	--	4.0	54	7.1	7.2	14200	14500	27.2	27.8
SEP													
10...	0900	EST	81213	--	--	4.2	55	7.2	7.4	19200	19500	23.3	25.9
17...	1325	EST	81341	40	5.0	5.0	67	7.5	7.7	23000	22600	27.2	26.1
OCT													
16...	1450	EST	81341	30	7.4	5.2	67	7.8	7.8	26000	26500	22.8	23.3
NOV													
06...	1000	EST	81341	10	7.4	5.7	70	7.6	7.6	20000	20100	25.7	21.9
13...	1030	EST	81213	--	--	6.6	78	7.4	7.5	15900	16900	21.3	20.5
19...	1600	EST	81213	--	--	7.2	87	7.7	7.7	26800	27300	20.6	19.7
DEC													
03...	1430	EST	81341	20	3.9	7.5	79	7.7	7.7	19000	19600	14.4	15.3

0219897991 SAVANNAH RIVER AT FORT JACKSON, NEAR SAVANNAH, GA--Continued (GEORGIA EPD ID 01021001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Organic nitro-gen, water, unfltrd mg/L (00605)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, low level, water, unfltrd mg/L (00335)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN													
09...	74	9000	1400	23	.40	.070	.240	.33	.040	6.4	<2.0	600	--
FEB													
20...	72	9300	1400	37	.41	.040	.210	.37	.090	7.2	<2.0	700	50
26...	--	--	--	--	--	--	--	--	--	--	--	--	230
MAR													
03...	--	--	--	--	--	--	--	--	--	--	--	--	50
13...	62	8300	1200	19	.25	.070	.160	.18	.060	6.8	<2.0	500	230
APR													
17...	50	4400	700	23	.60	.120	.190	.48	.060	.0	<2.0	160	20
22...	--	--	--	--	--	--	--	--	--	--	--	--	40
24...	--	--	--	--	--	--	--	--	--	--	--	--	<20
30...	--	--	--	--	--	--	--	--	--	--	--	--	20
MAY													
14...	58	6400	900	23	.42	.110	.200	.31	.040	.0	<2.0	360	--
JUN													
26...	47	4300	600	11	.27	.070	.170	.20	.070	9.7	<2.0	77	--
JUL													
10...	44	3200	540	21	.46	.090	.210	.37	.070	9.8	<2.0	63	--
AUG													
21...	57	6900	1000	7	.28	.060	.130	.22	.050	6.9	<2.0	450	130
27...	--	--	--	--	--	--	--	--	--	--	--	--	330
SEP													
10...	--	--	--	--	--	--	--	--	--	--	--	--	230
17...	69	7700	1100	12	.51	.050	.260	.46	.050	7.6	<2.0	460	20
OCT													
16...	76	9400	1400	24	.29	.060	.220	.23	.050	5.2	<2.0	550	--
NOV													
06...	61	6800	1000	20	.41	.070	.190	.34	.070	10.0	<2.0	300	20
13...	--	--	--	--	--	--	--	--	--	--	--	--	80
19...	--	--	--	--	--	--	--	--	--	--	--	--	20
DEC													
03...	62	6800	1000	4	.29	.040	.240	.25	.060	9.2	<2.0	380	20

Remark codes used in this report:
< -- Less than

SAVANNAH RIVER BASIN
2003 Calendar Year

0219897992 SAVANNAH RIVER AT SOUTH CHANNEL NEAR SAVANNAH, GA (GEORGIA EPD ID 01023001)

LOCATION.--Lat 32º05'38", long 81º01'18" (referenced to North American Datum (NAD) of 1927), Chatham County, Hydrologic Unit 03060109, at the confluence with South Channel, 1.5 miles downstream from confluence with Back River, and 2.6 miles east of Savannah.

ELEVATION.--0 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2002 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)
JAN													
09...	1420	EST	81341	10	9.4	96	8.1	7.9	28000	27600	19.5	10.7	78
FEB													
20...	1115	EST	81341	30	8.8	89	7.9	7.8	29000	27500	16.7	11.5	75
26...	1350	EST	81213	--	9.1	91	7.5	7.4	13200	13000	12.0	13.0	--
MAR													
03...	0920	EST	81213	--	8.8	90	7.7	7.5	21400	21400	8.2	12.7	--
13...	1500	EST	81341	10	7.9	84	7.7	7.6	23000	23700	19.7	14.1	62
APR													
17...	0925	EST	81341	46	6.4	73	7.4	7.6	18000	18200	21.8	18.5	56
22...	1240	EST	81213	--	5.7	--	6.8	6.9	4850	--	24.8	19.7	--
24...	1250	EST	81213	--	6.0	66	7.0	6.9	5620	5670	22.1	19.7	--
30...	0845	EST	81213	--	5.8	65	7.0	7.1	7450	7810	22.2	20.4	--
MAY													
14...	0825	EST	81341	8.6	5.5	70	7.6	7.7	23000	23400	21.3	23.3	64
JUN													
26...	0800	EST	81341	5.0	4.0	53	7.3	7.5	21000	20900	24.6	26.2	58
JUL													
10...	0815	EST	81341	15	4.3	57	7.4	7.4	14000	14500	27.2	27.7	48
AUG													
21...	1420	EST	81341	4.6	4.6	62	7.5	7.6	22000	22000	26.0	27.4	59
27...	0820	EST	81213	--	4.2	57	7.2	7.4	18500	19000	25.7	28.0	--
SEP													
10...	0840	EST	81213	--	4.8	62	7.3	7.4	19700	21000	23.3	25.9	--
17...	1300	EST	81341	3.8	5.2	70	7.6	7.7	27000	27100	26.6	26.1	74
OCT													
16...	1420	EST	81341	6.3	5.7	73	7.8	7.8	26000	26500	22.4	23.2	75
NOV													
06...	0940	EST	81341	33	5.8	72	7.6	7.7	23000	23900	25.2	22.0	68
13...	1010	EST	81213	--	6.6	79	7.5	7.6	19400	19500	21.2	20.5	--
19...	1545	EST	81213	--	7.2	88	7.7	7.7	28800	29200	20.6	19.8	--
DEC													
03...	1410	EST	81341	3.8	7.3	78	7.7	7.8	19000	19200	14.6	15.5	60

0219897992 SAVANNAH RIVER AT SOUTH CHANNEL NEAR SAVANNAH, GA--Continued (GEORGIA EPD ID 01023001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN						
09...	.060	.210	.050	5.6	<2.0	--
FEB						
20...	.030	.180	.080	7.3	<2.0	180
26...	--	--	--	--	--	50
MAR						
03...	--	--	--	--	--	20
13...	.100	.170	.060	7.4	<2.0	50
APR						
17...	.120	.170	.080	.0	<2.0	<20
22...	--	--	--	--	--	80
24...	--	--	--	--	--	<20
30...	--	--	--	--	--	<20
MAY						
14...	.080	.160	.030	.0	<2.0	--
JUN						
26...	.080	.140	.060	9.0	<2.0	--
JUL						
10...	.090	.220	.080	10.0	<2.0	--
AUG						
21...	.080	.120	.040	7.4	<2.0	50
27...	--	--	--	--	--	70
SEP						
10...	--	--	--	--	--	80
17...	.030	.220	.070	7.0	<2.0	80
OCT						
16...	.080	.210	.040	5.4	<2.0	--
NOV						
06...	.090	.160	.110	12.0	<2.0	80
13...	--	--	--	--	--	<20
19...	--	--	--	--	--	<20
DEC						
03...	.040	.240	.050	5.3	<2.0	20

Remark codes used in this report:
< -- Less than

SAVANNAH RIVER BASIN
2003 Calendar Year

0219897996 SAVANNAH RIVER AT FIELDS CUT, NEAR SAVANNAH, GA (GEORGIA EPD ID 01025001)

LOCATION.--Lat 32º04'19", long 80º57'38" (referenced to North American Datum (NAD) of 1927), Chatham County, Hydrologic Unit 03060109, at Fields Cut, 0.6 miles downstream from confluence with Elba Island Cut, and 6.9 miles east of Savannah.

ELEVATION.--0 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2002 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Color, water, fltrd, Pt-Co units (00080)	Tur-bidity, NTU (00076)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc-tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)
JAN													
09...	1350	EST	81341	20	11	9.5	100	8.2	8.0	37000	36400	19.3	10.9
FEB													
20...	1045	EST	81341	10	34	9.2	96	8.0	7.9	38000	36200	15.8	11.4
26...	1330	EST	81213	--	--	9.8	100	7.7	7.5	20300	20100	11.2	12.9
MAR													
03...	0940	EST	81213	--	--	8.8	92	7.9	7.6	28500	28600	10.9	12.5
13...	1430	EST	81341	30	9.2	8.2	90	7.9	7.8	33000	33800	19.2	13.8
APR													
17...	0845	EST	81341	20	52	7.1	88	7.7	7.9	32000	33200	20.9	19.4
22...	1220	EST	81213	--	--	6.0	--	7.1	7.2	13200	--	24.3	20.2
24...	1225	EST	81213	--	--	6.2	71	7.2	7.1	11800	12000	22.6	20.0
30...	0825	EST	81213	--	--	6.4	77	7.3	7.4	18000	18400	22.4	21.6
MAY													
14...	0750	EST	81341	10	13	6.2	83	7.9	8.0	37000	37100	21.2	23.1
JUN													
26...	0720	EST	81341	30	5.3	4.3	59	7.6	7.7	30000	30600	23.4	27.2
JUL													
10...	0740	EST	81341	30	35	4.5	63	7.8	7.8	27000	27700	27.1	27.6
AUG													
21...	1340	EST	81341	30	5.0	5.0	70	7.7	7.8	30000	30700	26.2	27.6
27...	0800	EST	81213	--	--	5.0	71	7.6	7.6	28800	29700	26.5	28.2
SEP													
10...	0815	EST	81213	--	--	5.4	74	7.6	7.7	33300	32900	23.4	25.8
17...	1240	EST	81341	30	8.9	6.1	84	7.8	7.9	32000	32800	26.2	26.1
OCT													
16...	1350	EST	81341	20	4.3	6.3	81	7.9	7.9	32000	32500	22.7	22.9
NOV													
06...	0910	EST	81341	10	23	6.3	81	7.8	7.8	33000	33300	24.5	22.3
13...	0945	EST	81213	--	--	7.0	85	7.6	7.7	27000	27600	20.8	20.3
19...	1525	EST	81213	--	--	7.5	93	7.8	7.9	34400	35000	20.6	20.0
DEC													
03...	1345	EST	81341	20	3.8	7.5	82	7.8	7.8	25000	25700	15.3	15.3

0219897996 SAVANNAH RIVER AT FIELDS CUT, NEAR SAVANNAH, GA--Continued (GEORGIA EPD ID 01025001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN										
09...	92	10000	1800	28	.050	.140	.060	4.4	<2.0	--
FEB										
20...	91	12800	2000	75	<.030	.080	.130	7.7	<2.0	<20
26...	--	--	--	--	--	--	--	--	--	<20
MAR										
03...	--	--	--	--	--	--	--	--	--	20
13...	78	12400	1800	22	.060	.120	.050	6.0	<2.0	110
APR										
17...	83	12000	1800	53	.060	.080	.150	.0	<2.0	20
22...	--	--	--	--	--	--	--	--	--	<20
24...	--	--	--	--	--	--	--	--	--	<20
30...	--	--	--	--	--	--	--	--	--	<20
MAY										
14...	92	13000	2000	38	.030	.060	.040	.0	<2.0	--
JUN										
26...	75	11000	1600	16	<.030	.110	.050	8.9	<2.0	--
JUL										
10...	69	8800	1300	130	.100	.120	.160	9.3	<2.0	--
AUG										
21...	77	11000	1600	12	.050	.090	.040	5.6	<2.0	140
27...	--	--	--	--	--	--	--	--	--	<20
SEP										
10...	--	--	--	--	--	--	--	--	--	20
17...	92	12000	1800	30	<.030	.180	.050	6.1	<2.0	<20
OCT										
16...	82	12000	1900	12	.040	.160	.030	5.4	<2.0	--
NOV										
06...	85	11000	1700	76	.040	.110	.100	11.0	<2.0	70
13...	--	--	--	--	--	--	--	--	--	80
19...	--	--	--	--	--	--	--	--	--	<20
DEC										
03...	71	9200	1400	9	.030	.190	.040	4.5	<2.0	30

Remark codes used in this report:
< -- Less than

SAVANNAH RIVER BASIN
2003 Calendar Year

0219897998 SAVANNAH RIVER NEAR FORT PULASKI, GA
(GEORGIA EPD ID 01026001)

LOCATION.--Lat 32º02'22", long 80º55'23" (referenced to North American Datum (NAD) of 1927), Chatham County, Hydrologic Unit 03060109, 3.2 miles downstream from confluence with Fields Cut, 9.9 miles east of Savannah, and 0.8 mile upstream from Fort Pulaski National Monument.

ELEVATION.--0 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2002 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)
JAN													
09...	1315	EST	81341	17	9.1	97	8.2	8.1	42000	41900	19.3	10.6	98
FEB													
20...	1010	EST	81341	44	9.3	99	8.1	8.0	43000	41000	16.3	11.3	100
26...	1300	EST	81213	--	8.4	87	7.8	7.6	23300	23100	11.2	12.9	--
MAR													
03...	1000	EST	81213	--	8.8	96	8.0	7.8	39100	39100	10.9	12.3	--
13...	1400	EST	81341	8.6	8.2	93	7.9	7.8	35000	35600	17.7	13.9	85
APR													
17...	0820	EST	81341	4.4	7.3	91	7.8	7.9	35000	36600	20.6	19.4	87
22...	1205	EST	81213	--	6.2	72	7.1	7.2	14300	15300	24.1	20.4	--
24...	1200	EST	81213	--	6.6	76	7.2	7.2	13100	13300	20.8	20.0	--
30...	0800	EST	81213	--	6.7	82	7.5	7.5	22600	23100	20.5	21.4	--
MAY													
14...	0720	EST	81341	3.9	6.7	91	8.0	8.1	42000	42400	19.6	22.8	97
JUN													
26...	0650	EST	81341	4.1	4.2	60	7.8	7.9	36000	36800	23.5	27.4	88
JUL													
10...	0700	EST	81341	24	4.6	66	7.9	7.9	33000	34100	26.8	28.1	83
AUG													
21...	1315	EST	81341	3.6	5.1	73	7.8	7.9	37000	37900	26.5	27.6	86
27...	0730	EST	81213	--	5.5	80	7.8	7.9	37500	38200	26.0	28.3	--
SEP													
10...	0750	EST	81213	--	5.8	82	7.8	7.9	40800	42100	23.0	25.6	--
17...	1210	EST	81341	10	5.8	82	7.8	7.9	39000	39500	26.3	26.0	95
OCT													
16...	1315	EST	81341	3.5	6.5	88	8.0	8.0	41000	42000	23.0	23.0	99
NOV													
06...	0840	EST	81341	26	6.5	86	7.9	7.9	40000	40200	24.3	22.5	91
13...	0915	EST	81213	--	6.8	84	7.7	7.8	29000	29400	20.8	20.2	--
19...	1500	EST	81213	--	7.5	96	7.8	7.9	37800	38200	20.9	20.1	--
DEC													
03...	1315	EST	81341	4.2	7.8	85	7.9	7.9	27000	28200	14.4	15.1	76

0219897998 SAVANNAH RIVER NEAR FORT PULASKI, GA--Continued (GEORGIA EPD ID 01026001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN						
09...	.140	.110	.060	4.0	<2.0	--
FEB						
20...	<.030	.040	.140	6.9	<2.0	<20
26...	--	--	--	--	--	<20
MAR						
03...	--	--	--	--	--	<20
13...	.050	.100	.050	5.7	<2.0	70
APR						
17...	.050	.060	.150	.0	<2.0	<20
22...	--	--	--	--	--	<20
24...	--	--	--	--	--	50
30...	--	--	--	--	--	<20
MAY						
14...	<.030	.030	.040	.0	<2.0	--
JUN						
26...	.140	.060	.040	6.7	<2.0	--
JUL						
10...	.040	.090	.130	8.6	<2.0	--
AUG						
21...	.040	.060	.030	5.3	<2.0	50
27...	--	--	--	--	--	<20
SEP						
10...	--	--	--	--	--	20
17...	<.030	.120	.050	5.3	<2.0	<20
OCT						
16...	<.030	.080	.030	5.2	<2.0	--
NOV						
06...	.040	.060	.090	11.0	<2.0	20
13...	--	--	--	--	--	<20
19...	--	--	--	--	--	<20
DEC						
03...	.040	.180	.040	5.0	<2.0	50

Remark codes used in this report:
< -- Less than

OGEECHEE RIVER BASIN
2003 Calendar Year

02202190 OGEECHEE RIVER AT GEORGIA HIGHWAY 24, NEAR OLIVER, GA (GEORGIA EPD ID 02023001)

LOCATION.--Lat 32º29'45", long 81º33'11" (referenced to North American Datum (NAD) of 1927), Screven-Bulloch County line, Hydrologic Unit 03060202, at the bridge on Georgia Highway 24, 0.3 mile upstream from confluence with Ogeechee Creek, and 2.0 miles southwest of Oliver.

DRAINAGE AREA.--2,230 square miles, approximately.

ELEVATION.--60.29 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1974 to February 1994, December 1994 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)
JAN													
07...	1045	EST	81341	2880	80	8.8	9.9	82	6.8	6.6	70	69	4.4
FEB													
18...	1410	EST	81341	1870	80	5.0	9.8	86	--	6.8	81	80	10.4
25...	1415	EST	81213	2890	--	--	8.7	84	6.7	6.9	74	72	23.4
MAR													
04...	1315	EST	81213	4270	--	--	8.1	76	6.7	7.1	63	65	15.8
11...	1425	EST	81341	5140	140	5.6	7.3	74	6.8	6.6	67	68	23.8
APR													
15...	1415	EST	81341	>8620	160	11	8.1	--	6.9	6.6	45	--	30.1
21...	1310	EST	81213	6040	--	--	6.8	74	6.5	6.8	55	57	25.9
23...	1220	EST	81213	4560	--	--	6.4	69	6.6	6.8	61	63	20.5
28...	1430	EST	81213	2920	--	--	6.8	74	6.6	7.0	73	75	25.7
MAY													
12...	1500	EST	81341	2370	160	7.5	5.0	60	6.7	6.9	82	87	28.1
JUN													
24...	1415	EST	81341	5100	160	8.6	5.4	65	6.8	6.8	69	73	32.5
JUL													
08...	1320	EST	81341	3950	200	7.9	5.0		6.5	6.9	81	--	34.1
AUG													
19...	1400	EST	81341	4150	140	12	4.8		6.4	6.8	62	--	36.1
26...	1300	EST	81213	2100	--	--	4.5		6.5	6.9	74	--	30.8
SEP													
09...	1300	EST	81213	2250	--	--	5.6		6.4	6.8	70	--	29.3
16...	1315	EST	81341	1240	120	16	5.3		7.1	7.0	85	--	30.4
OCT													
14...	1330	EST	81341	560	80	6.1	7.1	82	7.2	7.1	110	115	26.8
NOV													
04...	1430	EST	81341	1250	100	7.4	7.2	77	6.9	6.8	91	97	28.0
12...	1315	EST	81213	952	--	--	7.8	79	6.8	7.1	95	100	25.8
18...	1355	EST	81213	672	--	--	8.4	84	7.2	7.4	104	103	26.6
DEC													
02...	1500	EST	81341	807	70	8.8	10.2	91	7.2	7.2	100	94	16.4

02202190 OGEECHEE RIVER AT GEORGIA HIGHWAY 24, NEAR OLIVER, GA--Continued (GEORGIA EPD ID 02023001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Temperature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coliform, ECbroth water, MPN/ 100 mL (31615)
JAN									
07...	7.5	12	2	<.030	<.020	.030	14.0	<2.0	--
FEB									
18...	9.6	17	3	.040	.020	.040	14.0	<2.0	790
25...	13.6	--	--	--	--	--	--	--	170
MAR									
04...	12.5	--	--	--	--	--	--	--	70
11...	15.9	12	5	.040	.040	.050	19.0	<2.0	20
APR									
15...	16.6	13	7	.070	.180	.060	16.0	<2.0	40
21...	19.1	--	--	--	--	--	--	--	20
23...	19.1	--	--	--	--	--	--	--	50
28...	19.9	--	--	--	--	--	--	--	20
MAY									
12...	24.6	28	4	.050	.180	.110	15.0	<2.0	--
JUN									
24...	25.1	22	4	<.030	.100	.090	18.0	<2.0	--
JUL									
08...	26.3	20	3	<.030	.060	.090	19.0	<2.0	--
AUG									
19...	26.5	16	3	<.030	.080	.100	14.0	<2.0	20
26...	27.2	--	--	--	--	--	--	--	20
SEP									
09...	22.6	--	--	--	--	--	--	--	20
16...	24.3	26	7	<.030	.200	.080	14.0	<2.0	90
OCT									
14...	21.9	37	6	<.030	.290	.050	9.6	<2.0	--
NOV									
04...	18.9	22	8	<.030	.130	.050	14.0	<2.0	170
12...	16.3	--	--	--	--	--	--	--	20
18...	15.7	--	--	--	--	--	--	--	<20
DEC									
02...	10.2	30	7	<.030	.180	.050	9.5	<2.0	70

Remark codes used in this report:
< -- Less than
> -- Greater than

ALTAMAHA RIVER BASIN
2003 Calendar Year

02204810 SOUTH RIVER NEAR SNAPPING SHOALS, GA
(GEORGIA EPD ID 0414001)

LOCATION.--Lat 33°27'09", long 83°55'38" (referenced to North American Datum (NAD) of 1927), Henry-Newton County line, Hydrologic Unit 03070103, at the end of Island Shoals Road (abandoned road), 0.7 miles upstream from confluence with Mackey Creek, 2.7 miles southeast of Snapping Shoals, and 5.1 miles above the mouth (Lake Jackson backwater).

DRAINAGE AREA.--518 square miles.

ELEVATION.--546 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1997 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. During 2003, flow conditions at this station were such that staff gages were destroyed which resulted in missing gage heights and computed discharges for samples collected between April 2003 and December 2003.

02204810 SOUTH RIVER NEAR SNAPPING SHOALS, GA--Continued (GEORGIA EPD ID 0414001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
22...	1000	EST	81341	E320	8.3	10.6	93	7.2	7.2	160	159	7.9	9.5
FEB													
11...	0915	EST	81213	--	--	10.6	89	--	7.4	95	95	4.3	7.6
13...	0950	EST	81341	E510	16	9.8	83	6.9	6.9	120	114	9.5	8.1
19...	0910	EST	81213	>1000	--	10.7	89	--	7.5	96	95	5.5	7.4
MAR													
05...	0955	EST	81341	E490	13	10.2	96	7.1	6.9	120	121	13.5	11.8
APR													
23...	0830	EST	81341	--	8.3	8.9	92	--	7.1	130	137	14.1	16.6
MAY													
21...	0940	EST	81341	--	37	8.5	91	6.2	6.7	92	90	21.2	18.6
JUN													
03...	0900	EST	81213	--	--	7.4	84	--	7.3	117	120	20.7	20.7
05...	0855	EST	81213	--	--	7.8	89	--	7.3	114	114	18.7	21.3
11...	1550	EST	81341	--	15	8.4	104	7.2	7.2	110	112	29.8	24.9
JUL													
09...	0900	EST	81341	--	17	7.2	88	--	7.0	110	104	26.1	24.8
AUG													
26...	1550	EST	81341	--	19	8.9	115	7.6	7.5	150	146	31.4	27.7
26...	1551	EST	81213	--	--	8.9	115	7.6	7.6	136	146	31.4	27.7
28...	1530	EST	81213	--	--	9.1	118	7.4	7.7	145	150	32.9	28.2
SEP													
04...	1120	EST	81213	--	--	8.2	102	7.4	7.7	158	161	32.8	26.2
11...	1105	EST	81341	--	12	8.4	98	7.4	7.5	140	142	25.2	22.8
OCT													
02...	0945	EST	81341	--	7.8	8.8	92	7.3	7.2	160	157	12.0	17.2
NOV													
12...	1040	EST	81341	--	7.9	9.5	94	7.2	7.3	170	167	22.8	14.8
18...	1200	EST	81213	--	--	10.4	107	7.1	7.6	174	177	24.0	16.3
20...	1525	EST	81213	--	--	10.1	103	6.8	7.0	75	75	19.9	15.9
DEC													
03...	1615	EST	81341	--	6.9	11.6	99	7.1	7.3	140	135	11.1	8.1
08...	1400	EST	81341	--	6.6	11.9	100	7.2	7.3	140	143	18.0	7.5

02204810 SOUTH RIVER NEAR SNAPPING SHOALS, GA--Continued (GEORGIA EPD ID 0414001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Hard-ness, water, unfltrd mg/L as CaCO3 (00900)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN									
22...	40	29	6	.040	2.00	.030	2.4	<2.0	--
FEB									
11...	--	--	--	--	--	--	--	--	330
13...	28	22	10	<.030	1.00	.040	2.6	<2.0	20
19...	--	--	--	--	--	--	--	--	490
MAR									
05...	32	25	7	.060	1.20	.290	2.6	<2.0	70
APR									
23...	36	30	8	.040	1.20	.030	.0	<2.0	--
MAY									
21...	26	21	51	.060	.720	.060	3.2	<2.0	490
JUN									
03...	--	--	--	--	--	--	--	--	170
05...	--	--	--	--	--	--	--	--	2400
11...	28	24	15	<.030	.990	.040	4.8	<2.0	330
JUL									
09...	28	25	21	<.030	.840	.030	3.8	<2.0	--
AUG									
26...	34	29	37	<.030	1.60	.040	2.1	<2.0	--
26...	--	--	--	--	--	--	--	--	50
28...	--	--	--	--	--	--	--	--	330
SEP									
04...	--	--	--	--	--	--	--	--	80
11...	30	30	14	<.030	1.30	.040	5.2	<2.0	170
OCT									
02...	36	34	7	<.030	1.40	.030	4.3	<2.0	--
NOV									
12...	40	32	6	<.030	2.00	.030	4.5	<2.0	490
18...	--	--	--	--	--	--	--	--	<20
20...	--	--	--	--	--	--	--	--	7000
DEC									
03...	--	27	4	<.030	1.60	.020	3.2	<2.0	170
08...	36	28	3	<.030	2.00	.030	3.5	<2.0	20

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value

ALTAMAHA RIVER BASIN
2003 Calendar Year

02208005 YELLOW RIVER AT GEORGIA HIGHWAY 212, NEAR STEWART, GA (GEORGIA EPD ID 04220001)

LOCATION.--Lat 33º26'26", long 83º52'43" (referenced to North American Datum (NAD) of 1927), Newton County, Hydrologic Unit 03070103, at the bridge on Georgia Highway 212, 7.1 miles downstream from confluence with Dog Branch, 2.5 miles northwest of Stewart, and 5.0 miles above the mouth.

DRAINAGE AREA.--440 square miles.

ELEVATION.--540 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1974 to March 1994, October 1994 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)
JAN													
22...	0835	EST	81341	224	8.6	10.9	93	7.2	7.1	130	119	8.1	8.3
FEB													
11...	0745	EST	81213	803	--	10.0	84	7.1	7.5	88	88	-2.0	7.7
13...	0815	EST	81341	425	14	9.8	82	7.1	7.0	93	90	-1.5	7.5
19...	0740	EST	81213	803	--	10.0	83	--	7.5	71	71	1.2	7.3
MAR													
05...	0825	EST	81341	388	13	10.7	98	7.0	6.9	96	93	12.6	11.1
APR													
23...	0710	EST	81341	440	24	8.4	87	--	7.1	97	102	7.1	16.7
MAY													
21...	0820	EST	81341	1170	36	8.3	90	--	6.7	71	69	18.2	18.6
JUN													
03...	0730	EST	81213	314	--	7.6	86	--	7.3	95	94	20.5	21.1
05...	0730	EST	81213	598	--	7.4	84	--	7.5	106	110	14.5	21.5
11...	1330	EST	81341	500	25	7.7	95	7.0	7.0	79	81	32.8	24.4
JUL													
09...	0740	EST	81341	813	27	7.1	86	6.4	6.8	70	66	22.1	25.1
AUG													
20...	1330	EST	81341	442	31	7.3	90	7.0	7.3	100	103	30.5	26.1
26...	1415	EST	81213	266	--	7.5	94	7.1	7.6	114	118	32.7	26.5
28...	1355	EST	81213	257	--	7.3	92	7.2	7.8	112	117	35.8	27.0
SEP													
11...	1010	EST	81341	232	28	7.4	85	7.4	7.3	140	138	25.5	21.6
OCT													
02...	0815	EST	81341	219	9.6	7.7	81	7.4	7.2	120	120	8.5	17.3
NOV													
12...	1005	EST	81341	262	14	9.1	88	7.4	7.2	120	115	19.4	13.8
18...	1020	EST	81213	232	--	10.2	100	7.0	7.5	132	134	25.2	14.3
20...	1355	EST	81213	2060	--	10.0	103	6.9	7.2	64	64	21.5	16.2
DEC													
03...	1400	EST	81341	222	9.0	11.3	96	7.1	7.3	110	100	8.8	8.3
08...	1155	EST	81341	213	12	11.8	96	7.2	7.2	100	100	12.5	6.1

02208005 YELLOW RIVER AT GEORGIA HIGHWAY 212, NEAR STEWART, GA--Continued (GEORGIA EPD ID 04220001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Organic nitro-gen, water, unfltrd mg/L (00605)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, low level, water, unfltrd mg/L (00335)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN											
22...	27	7	.33	.050	1.20	.28	.020	2.6	<2.0	<10	--
FEB											
11...	--	--	--	--	--	--	--	--	--	--	210
13...	22	14	<.10	<.030	.690	--	.030	2.0	<2.0	14	170
19...	--	--	--	--	--	--	--	--	--	--	230
MAR											
05...	22	13	.11	<.030	.820	--	.030	1.7	<2.0	<10	110
APR											
23...	26	32	.27	.030	.820	.24	.040	2.3	<2.0	12	--
MAY											
21...	18	41	.41	.040	.470	.37	.050	3.6	<2.0	18	490
JUN											
03...	--	--	--	--	--	--	--	--	--	--	50
05...	--	--	--	--	--	--	--	--	--	--	330
11...	21	35	.40	<.030	.520	--	.040	4.7	<2.0	<10	130
JUL											
09...	16	39	.20	<.030	.450	--	.040	4.2	<2.0	21	--
AUG											
20...	26	43	.39	<.030	.700	--	.050	<1.0	<2.0	19	2300
26...	--	--	--	--	--	--	--	--	--	--	230
28...	--	--	--	--	--	--	--	--	--	--	230
SEP											
11...	35	26	.34	.060	1.00	.28	.040	2.8	<2.0	<10	230
OCT											
02...	32	11	.34	<.030	.650	--	<.020	3.0	<2.0	14	--
NOV											
12...	31	15	.28	<.030	.680	--	.020	3.7	<2.0	18	130
18...	--	--	--	--	--	--	--	--	--	--	20
20...	--	--	--	--	--	--	--	--	--	--	7900
DEC											
03...	26	8	--	<.030	.810	--	.020	<1.0	<2.0	--	330
08...	25	14	.00	.040	.830	--	.040	2.8	<2.0	17	110

Remark codes used in this report:
< -- Less than

ALTAMAHA RIVER BASIN
2003 Calendar Year

02209260 ALCOVY RIVER AT NEWTON FACTORY BRIDGE ROAD, NEAR STEWART, GA (GEORGIA EPD ID 04310001)

LOCATION.--Lat 33º26'58", long 83º49'42" (referenced to North American Datum (NAD) of 1927), Newton County, Hydrologic Unit 03070103, at the bridge on Newton Factory Bridge Road, 0.9 mile upstream from confluence with Bear Creek, and 2.6 miles northeast of Stewart.

DRAINAGE AREA.--250 square miles, approximately.

ELEVATION.--580 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1974 to March 1994, October 1994 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Gage Height, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
22...	0745	EST	81341	5.29	7.3	11.6	95	7.1	6.9	61	53	7.8	6.4
FEB													
11...	0720	EST	81213	5.85	--	11.3	94	--	7.2	46	44	-3.4	7.1
13...	0730	EST	81341	5.84	12	11.3	93	7.0	6.7	53	50	-3.1	6.8
19...	0715	EST	81213	6.24	--	11.5	94	--	7.2	40	39	-1.1	6.6
MAR													
05...	0735	EST	81341	5.74	8.2	9.7	88	--	6.6	53	48	10.9	10.4
APR													
23...	0630	EST	81341	5.63	11	8.8	90	--	6.9	54	53	5.4	16.1
MAY													
21...	0730	EST	81341	6.06	19	8.7	92	--	6.7	50	48	17.1	17.7
JUN													
03...	0700	EST	81213	5.62	--	8.0	90	--	7.2	53	52	20.0	20.5
05...	0645	EST	81213	5.71	--	7.7	87	--	7.2	52	51	13.5	20.9
11...	1245	EST	81341	5.98	23	7.9	95	6.8	6.8	48	48	34.7	23.3
JUL													
09...	0705	EST	81341	6.27	28	7.6	92	6.2	6.7	50	46	20.9	24.4
AUG													
20...	1210	EST	81341	5.60	16	8.0	98	7.0	7.2	60	60	28.0	25.5
26...	1350	EST	81213	5.48	--	8.1	101	7.0	7.4	60	62	32.2	26.1
28...	1325	EST	81213	5.33	--	8.1	101	7.1	7.4	60	63	31.4	26.2
SEP													
11...	0915	EST	81341	5.30	11	8.1	92	7.4	7.2	61	62	22.0	21.4
OCT													
02...	0730	EST	81341	5.34	11	8.4	86	7.2	7.0	60	59	7.0	16.3
NOV													
12...	0920	EST	81341	5.53	11	9.3	91	7.2	7.0	61	60	15.1	13.8
18...	0950	EST	81213	5.42	--	10.6	103	7.0	7.4	60	61	21.7	13.6
20...	1335	EST	81213	5.88	--	9.6	98	7.1	7.0	52	52	20.5	15.9
DEC													
03...	1315	EST	81341	5.57	10	11.8	99	7.3	7.1	65	55	9.1	7.3
08...	1055	EST	81341	5.57	13	12.3	99	7.2	7.0	58	55	13.1	5.5

02209260 ALCOVY RIVER AT NEWTON FACTORY BRIDGE ROAD, NEAR STEWART, GA--Continued (GEORGIA EPD ID 04310001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Organic nitro-gen, water, unfltrd mg/L (00605)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN										
22...	13	2	.16	<.030	.360	--	<.020	2.2	<2.0	--
FEB										
11...	--	--	--	--	--	--	--	--	--	330
13...	11	6	<.10	<.030	.250	--	.030	2.6	<2.0	110
19...	--	--	--	--	--	--	--	--	--	220
MAR										
05...	12	3	.13	<.030	.260	--	.020	1.8	<2.0	20
APR										
23...	17	5	.13	.080	.260	.05	.020	2.3	<2.0	--
MAY										
21...	15	12	.33	.050	.210	.28	.030	3.6	<2.0	130
JUN										
03...	--	--	--	--	--	--	--	--	--	50
05...	--	--	--	--	--	--	--	--	--	140
11...	12	16	.32	<.030	.200	--	.040	5.2	<2.0	40
JUL										
09...	13	12	.31	.030	.130	.28	.030	5.2	<2.0	--
AUG										
20...	20	9	.22	<.030	.250	--	.020	3.0	<2.0	230
26...	--	--	--	--	--	--	--	--	--	70
28...	--	--	--	--	--	--	--	--	--	170
SEP										
11...	22	5	.18	<.030	.270	--	<.020	3.1	<2.0	170
OCT										
02...	20	6	.29	<.030	.200	--	<.020	3.2	<2.0	--
NOV										
12...	20	8	.17	<.030	.120	--	<.020	4.4	<2.0	130
18...	--	--	--	--	--	--	--	--	--	20
20...	--	--	--	--	--	--	--	--	--	790
DEC										
03...	14	1	--	<.030	.200	--	<.020	3.0	<2.0	80
08...	20	15	.00	<.030	.260	--	.020	3.0	<2.0	50

Remark codes used in this report:
< -- Less than

ALTAMAHA RIVER BASIN
2003 Calendar Year

02209750 TUSSAHAW CREEK AT FINCHERVILLE ROAD, NEAR JACKSON, GA (GEORGIA EPD ID 04450001)

LOCATION.--Lat 33°22'43", long 83°57'49" (referenced to North American Datum (NAD) of 1927), Butts County, Hydrologic Unit 03070103, at the bridge on Fincherville Road (County Road 290), 0.8 mile downstream from confluence with Peeksville Creek, and 5.8 miles north of Jackson.

DRAINAGE AREA.--59.2 square miles.

ELEVATION.--560 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1997 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
22...	0915	EST	81341	59	18	10.3		6.9	6.7	55	--	7.4	9.7
FEB													
11...	0830	EST	81213	95	--	10.7	87	--	7.0	41	40	-2.7	6.2
13...	0900	EST	81341	68	15	11.4		6.8	6.6	51	--	.3	5.9
19...	0820	EST	81213	93	--	11.3	91	--	7.2	41	40	.0	6.4
MAR													
05...	0910	EST	81341	70	14	10.3	96	6.7	6.5	48	43	12.6	11.5
APR													
23...	0750	EST	81341	62	15	9.4	90	6.6	6.7	42	44	7.7	13.4
MAY													
21...	0910	EST	81341	73	21	8.5	90	--	6.5	45	43	19.9	17.6
JUN													
03...	0815	EST	81213	58	--	8.1	88	--	7.0	43	43	20.7	18.7
05...	0815	EST	81213	62	--	7.9	86	--	7.1	43	43	15.7	18.9
11...	1435	EST	81341	59	16	8.3	98	6.7	6.7	46	46	34.1	22.5
JUL													
09...	0815	EST	81341	79	23	7.2	84	6.1	6.5	46	41	21.7	22.6
AUG													
20...	1420	EST	81341	69	16	7.9	95	6.8	6.9	49	49	30.0	24.2
26...	1450	EST	81213	47	--	7.9	96	6.8	7.2	48	49	30.7	24.5
28...	1440	EST	81213	42	--	7.8	95	7.0	7.3	47	49	31.9	25.0
SEP													
11...	1220	EST	81341	34	10	8.2	91	7.0	7.0	48	48	25.0	20.1
OCT													
02...	0900	EST	81341	34	19	8.6	84	7.0	6.8	49	47	8.8	14.4
NOV													
12...	1140	EST	81341	37	11	9.2	90	7.2	7.0	54	52	25.2	13.7
18...	1105	EST	81213	34	--	9.6	97	7.0	7.1	49	50	25.0	15.6
20...	1435	EST	81213	70	--	9.6	96	6.7	6.9	48	49	26.6	15.1
DEC													
03...	1500	EST	81341	39	18	11.5	97	7.2	7.0	58	51	8.9	7.6
08...	1250	EST	81341	32	21	11.9	96	7.2	6.8	52	49	14.5	5.7

02209750 TUSSAHAW CREEK AT FINCHERVILLE ROAD, NEAR JACKSON, GA--Continued (GEORGIA EPD ID 04450001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
22...	10	--	.060	.300	.020	1.9	<2.0	--
FEB								
11...	--	--	--	--	--	--	--	270
13...	9	--	<.030	.260	.030	1.9	<2.0	170
19...	--	--	--	--	--	--	--	700
MAR								
05...	10	--	<.030	.260	.020	1.3	<2.0	90
APR								
23...	11	--	.060	.220	.030	1.6	<2.0	--
MAY								
21...	11	--	.040	.210	.020	2.1	<2.0	170
JUN								
03...	--	--	--	--	--	--	--	130
05...	--	--	--	--	--	--	--	170
11...	13	--	<.030	.280	.030	3.3	<2.0	330
JUL								
09...	12	--	.030	.130	.020	3.2	<2.0	--
AUG								
20...	13	--	<.030	.190	.020	<1.0	<2.0	1300
26...	--	--	--	--	--	--	--	110
28...	--	--	--	--	--	--	--	790
SEP								
11...	15	--	<.030	.250	<.020	3.0	<2.0	700
OCT								
02...	14	--	<.030	.220	<.020	2.8	<2.0	--
NOV								
12...	14	--	<.030	.170	<.020	2.7	<2.0	50
18...	--	--	--	--	--	--	--	20
20...	--	--	--	--	--	--	--	1700
DEC								
03...	13	10	.060	.210	<.020	1.8	<2.0	70
08...	14	--	.070	.220	.050	2.8	<2.0	70

Remark codes used in this report:
< -- Less than

ALTAMAHA RIVER BASIN
2003 Calendar Year

02212940 OCMULGEE RIVER NEAR MACON, GA
(GEORGIA EPD ID 05009901)

LOCATION.--Lat 32º53'57", long 83º39'51" (referenced to North American Datum (NAD) of 1983), Jones County, GA, Hydrologic Unit 03070103, 0.3 mile upstream from confluence with Town Creek and 0.5 mile northeast of Macon.

ELEVATION.--290 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2002 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Streamflows for the water-quality samples are computed from the records of the gaging station 02213000, Ocmulgee River at Macon, GA. The flow at this site is regulated by Lloyd Shoals Reservoir. Discharges for the samples collected October–December 2003 are still "provisional" as of publication date and are available upon request.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
23...	1330	EST	81341	2370	14	11.1	92	7.2	7.2	96	90	1.5	7.4
FEB													
10...	0845	EST	81213	3120	--	10.6	91	7.4	7.5	97	97	8.8	8.5
12...	1520	EST	81213	3120	--	11.1	98	7.7	7.5	95	96	18.3	9.6
20...	1245	EST	81341	4700	32	11.2	99	7.1	7.3	--	79	--	9.6
MAR													
06...	1300	EST	81341	3460	25	9.0	86	7.0	6.9	78	77	--	12.6
APR													
17...	1015	EST	81341	2520	13	9.1	98	7.3	7.1	79	83	28.5	18.4
MAY													
15...	1030	EST	81341	4090	30	8.5	96	7.1	6.8	63	66	25.7	20.9
22...	1010	EST	81213	9280	--	8.2	93	7.1	--	--	62	21.4	20.7
JUN													
05...	1045	EST	81341	2230	15	8.4	100	7.2	7.0	72	73	27.0	23.5
12...	0930	EST	81213	3080	--	9.2	112	7.3	7.4	85	88	29.4	24.6
JUL													
10...	1010	EST	81341	4490	26	10.8	134	7.3	6.9	62	61	31.0	26.1
24...	0850	EST	81213	4540	--	12.1	147	7.5	7.2	71	73	24.0	24.4
31...	1010	EST	81213	2710	--	8.3	105	7.2	7.4	80	82	29.5	27.0
AUG													
07...	0850	EST	81341	3570	22	7.0	87	7.3	7.0	80	79	31.0	25.6
SEP													
11...	0930	EST	81341	1460	2.5	7.4	90	7.3	7.3	110	111	24.5	24.9
OCT													
09...	0830	EST	81341	--	5.0	8.1	93	7.0	7.3	110	109	23.0	21.7
NOV													
20...	1045	EST	81341	--	12	8.7	89	7.1	7.2	110	108	21.5	16.0
DEC													
04...	1030	EST	81213	--	--	12.8	116	7.3	7.6	103	103	7.5	10.6
11...	1030	EST	81341	--	9.4	12.2	108	7.2	7.3	90	99	12.5	9.3
18...	1030	EST	81213	--	--	13.1	111	7.2	7.4	102	100	11.0	7.4

02212940 OCMULGEE RIVER NEAR MACON, GA--Continued (GEORGIA EPD ID 05009901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN							
23...	20	<.030	.760	.020	2.8	<2.0	--
FEB							
10...	--	--	--	--	--	--	50
12...	--	--	--	--	--	--	20
20...	16	<.030	.660	.050	4.9	<2.0	220
MAR							
06...	15	<.030	.520	.030	2.1	<2.0	330
APR							
17...	21	<.030	.490	.020	2.5	<2.0	--
MAY							
15...	14	.070	.360	.030	3.6	<2.0	50
22...	--	--	--	--	--	--	330
JUN							
05...	17	<.030	.400	.020	6.2	<2.0	70
12...	--	--	--	--	--	--	50
JUL							
10...	14	<.030	.320	.030	4.8	<2.0	80
24...	--	--	--	--	--	--	700
31...	--	--	--	--	--	--	E80
AUG							
07...	21	<.030	.460	.030	4.0	<2.0	50
SEP							
11...	27	<.030	.430	<.020	3.1	<2.0	--
OCT							
09...	27	<.030	.610	.020	5.8	<2.0	--
NOV							
20...	27	<.030	.640	.130	6.0	<2.0	110
DEC							
04...	--	--	--	--	--	--	<20
11...	24	<.030	.700	<.020	4.0	<2.0	20
18...	--	--	--	--	--	--	<20

Remark codes used in this report:
< -- Less than
E -- Estimated value

ALTAMAHA RIVER BASIN
2003 Calendar Year

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA (GEORGIA EPD ID 05015001)

LOCATION.--Lat 32º40'17", long 83º36'11" (referenced to North American Datum (NAD) of 1927), Bibb-Twiggs County line, Hydrologic Unit 03070103, on the right bank 0.8 mile upstream from confluence with Echeconnee Creek, 5.7 miles downstream from confluence with Tobesofkee Creek, and 4.0 miles northeast of Warner Robins.

DRAINAGE AREA.--2,690 square miles, approximately.

ELEVATION.--251 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1970 to February 1994, November 1994 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharges for the samples collected October–December 2003 are still "provisional" as of publication date and are available upon request. Flow regulated by Lloyd Shoals Reservoir.

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA--Continued (GEORGIA EPD ID 05015001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)
JAN													
23...	1200	EST	81341	1910	40	17	10.0	85	7.2	7.0	120	115	1.5
FEB													
10...	1200	EST	81213	>3600	--	--	9.7	85	7.2	7.2	100	97	13.2
12...	1430	EST	81213	>3600	--	--	11.6	102	7.5	7.3	106	104	19.7
20...	1115	EST	81341	>3600	70	32	10.9	95	6.9	6.8	93	82	--
MAR													
06...	1130	EST	81341	>3600	70	26	9.9	96	6.8	6.7	86	85	--
APR													
17...	0845	EST	81341	2950	60	20	7.7	84	7.0	6.9	89	95	19.9
MAY													
15...	0900	EST	81341	>3600	80	29	7.7	87	6.9	6.7	76	78	20.2
22...	0800	EST	81213	>3600	--	--	7.6	87	7.0	--	--	73	20.2
JUN													
05...	0930	EST	81341	2340	60	21	7.3	88	7.0	6.9	94	94	25.0
12...	1030	EST	81213	>3600	--	--	7.1	88	7.0	7.2	86	93	27.7
JUL													
10...	0900	EST	81341	>3600	100	28	6.9	87	7.0	6.8	69	68	28.5
24...	0800	EST	81213	>3600	--	--	--		7.1	6.9	82	85	24.0
31...	0915	EST	81213	2490	--	--	6.1	77	6.8	7.2	106	110	27.0
AUG													
07...	0745	EST	81341	>3600	80	31	6.6	82	7.0	6.8	95	89	25.0
SEP													
11...	0750	EST	81341	1020	20	7.2	6.9	85	7.0	7.1	150	150	20.0
OCT													
09...	0740	EST	81341	--	30	10	7.6	88	--	7.0	130	130	22.0
NOV													
20...	0930	EST	81341	--	20	16	9.2	98	7.0	7.1	130	125	13.0
DEC													
04...	0900	EST	81213	--	--	--	--		7.1	7.4	120	120	6.0
11...	0930	EST	81341	--	30	15	--		7.1	7.2	100	114	8.0
18...	0930	EST	81213	--	--	--	--		7.0	7.4	116	114	8.5

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA--Continued (GEORGIA EPD ID 05015001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Temperature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Organic nitrogen, water, unfltrd mg/L (00605)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, low level, water, unfltrd mg/L (00335)	Fecal coliform, ECbroth water, MPN/ 100 mL (31615)
JAN												
23...	8.5	23	13	<.10	.030	1.00	--	.070	2.8	<2.0	<10	--
FEB												
10...	9.3	--	--	--	--	--	--	--	--	--	--	170
12...	9.6	--	--	--	--	--	--	--	--	--	--	<20
20...	9.6	25	28	.21	<.030	.580	--	.080	5.7	<2.0	39	490
MAR												
06...	13.7	15	20	.20	<.030	.580	--	.060	2.2	<2.0	<10	40
APR												
17...	19.3	23	19	.31	.040	.520	.27	.060	3.5	<2.0	12	--
MAY												
15...	21.3	18	23	.26	<.030	.440	--	.050	4.1	<2.0	25	20
22...	21.7	--	--	--	--	--	--	--	--	--	--	790
JUN												
05...	24.3	22	27	.31	<.030	.530	--	.070	5.6	<2.0	18	220
12...	25.6	--	--	--	--	--	--	--	--	--	--	70
JUL												
10...	26.7	15	17	.28	.040	.360	.24	.060	5.2	<2.0	17	40
24...	24.8	--	--	--	--	--	--	--	--	--	--	2200
31...	26.9	--	--	--	--	--	--	--	--	--	--	E110
AUG												
07...	25.9	22	27	.43	<.030	.500	--	.060	5.3	<2.0	<10	490
SEP												
11...	25.3	32	10	.86	<.030	.890	--	.060	3.5	<2.0	<10	--
OCT												
09...	22.2	28	14	.32	<.030	.850	--	.080	5.1	<2.0	17	--
NOV												
20...	17.7	27	39	.19	<.030	.740	--	.060	6.0	<2.0	<10	790
DEC												
04...	11.0	--	--	--	--	--	--	--	--	--	--	50
11...	10.1	24	24	.00	<.030	.880	--	.050	4.0	<2.0	<10	230
18...	8.0	--	--	--	--	--	--	--	--	--	--	170

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value

ALTAMAHA RIVER BASIN
2003 Calendar Year

02215500 OCMULGEE RIVER AT US HIGHWAY 341, AT LUMBER CITY, GA (GEORGIA EPD ID 05025001)

LOCATION.--Lat 31º55'06", long 82º40'26" (referenced to North American Datum (NAD) of 1927), Telfair-Jeff Davis County line, Hydrologic Unit 03070104, at the bridge on US Highway 341, 500 feet downstream from Southern Railway bridge, 1.0 mile upstream from confluence with Little Ocmulgee River, 12.0 miles upstream from confluence with Oconee River, and, at Lumber City.

DRAINAGE AREA.--5,180 square miles, approximately.

ELEVATION.--87.48 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to July 1994, November 1994 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharges for the samples collected October–December 2003 are still "provisional" as of publication date and are available upon request.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)
JAN													
14...	1220	EST	81341	5430	60	22	10.8	91	7.1	7.1	110	100	12.0
22...	1345	EST	81213	3740	--	--	11.3	98	7.3	7.4	114	114	9.4
28...	1315	EST	81213	3810	--	--	11.7	95	7.3	7.4	113	112	12.5
FEB													
05...	1150	EST	81341	3930	30	19	10.3	94	7.5	7.3	130	113	9.9
MAR													
20...	1310	EST	81341	23200	100	21	7.2	76	6.8	6.6	63	64	26.2
APR													
10...	1320	EST	81341	8500	100	18	6.9	72	7.1	6.9	90	93	7.9
MAY													
22...	1440	EST	81341	13700	80	12	6.2	73	6.5	6.5	85	84	24.5
JUN													
05...	1300	EST	81213	15000	--	--	6.2	73	6.7	7.0	76	81	31.2
12...	1000	EST	81213	6520	--	--	6.2	76	6.7	7.1	89	94	28.8
19...	1345	EST	81341	10800	100	14	5.6	69	6.7	6.4	80	73	32.5
JUL													
17...	1300	EST	81341	11900	80	12	5.7	69	6.8	6.9	78	84	35.5
31...	1200	EST	81213	6420	--	--	6.0	75	7.0	7.3	90	96	33.1
AUG													
07...	1200	EST	81213	9240	--	--	5.6	69	6.5	6.8	68	73	27.2
14...	1315	EST	81341	9550	120	14	5.8	70	6.5	--	--	80	33.4
SEP													
25...	1300	EST	81341	2110	30	12	7.3	89	7.3	7.7	150	146	29.5
OCT													
30...	1355	EST	81341	--	50	14	8.3	89	7.0	7.4	120	122	27.0
NOV													
20...	1400	EST	81341	--	30	9.3	8.7	91	7.4	7.5	140	145	20.2
DEC													
08...	0815	EST	81213	--	--	--	10.7	94	7.3	7.6	118	120	.3
18...	1450	EST	81341	--	40	13	11.5	101	7.2	7.3	110	115	15.6

02215500 OCMULGEE RIVER AT US HIGHWAY 341, AT LUMBER CITY, GA--Continued (GEORGIA EPD ID 05025001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Temperature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Organic nitrogen, water, unfltrd mg/L (00605)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, low level, water, unfltrd mg/L (00335)	Fecal coliform, ECbroth water, MPN/ 100 mL (31615)
JAN												
14...	8.2	25	13	.36	<.030	.530	--	.060	4.5	<2.0	<10	50
22...	9.2	--	--	--	--	--	--	--	--	--	--	40
28...	7.1	--	--	--	--	--	--	--	--	--	--	40
FEB												
05...	11.3	29	17	.17	<.030	.660	--	.060	3.9	<2.0	<10	20
MAR												
20...	18.4	13	12	.50	<.030	.150	--	.070	11.0	<2.0	29	--
APR												
10...	17.1	27	20	.36	.120	.310	.24	.040	11.0	<2.0	42	--
MAY												
22...	22.9	25	7	.79	<.030	.200	--	.210	9.4	2.1	30	230
JUN												
05...	23.7	--	--	--	--	--	--	--	--	--	--	<20
12...	26.0	--	--	--	--	--	--	--	--	--	--	50
19...	25.7	8	10	.40	<.030	.260	--	.050	11.0	<2.0	58	20
JUL												
17...	26.9	25	9	.15	<.030	.180	--	.030	7.2	<2.0	20	80
31...	27.3	--	--	--	--	--	--	--	--	--	--	E20
AUG												
07...	25.5	--	--	--	--	--	--	--	--	--	--	250
14...	25.7	23	8	.50	<.030	.210	--	.040	12.0	<2.0	40	40
SEP												
25...	25.7	47	17	.17	<.030	.660	--	.100	6.2	<2.0	<10	--
OCT												
30...	18.9	33	22	.29	<.030	.540	--	.060	9.5	<2.0	18	--
NOV												
20...	17.4	40	18	.20	<.030	.740	--	.050	7.1	<2.0	<10	70
DEC												
08...	9.5	--	--	--	--	--	--	--	--	--	--	80
18...	9.2	29	10	.00	<.030	.640	--	.040	4.9	<2.0	<10	20

Remark codes used in this report:
< -- Less than
E -- Estimated value

ALTAMAHA RIVER BASIN
2003 Calendar Year

02218000 OCONEE RIVER AT BARNETT SHOALS ROAD, NEAR WATKINSVILLE, GA (GEORGIA EPD ID 03035001)

LOCATION.--Lat 33º51'21", long 83º19'35" (referenced to North American Datum (NAD) of 1927), Oconee-Clarke County line, Hydrologic Unit 03070101, at the bridge on Barnett Shoals Road, 1.0 mile upstream from Barnett Shoals Dam, and 4.0 miles east of Watkinsville.

DRAINAGE AREA.--783 square miles.

ELEVATION.--520 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1974 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
22...	0600	EST	81341	678	8.1	10.6	89	7.2	7.0	98	89	6.5	7.7
FEB													
11...	0600	EST	81213	--	--	11.6	96	7.0	7.2	74	74	-2.5	7.1
13...	0615	EST	81341	1080	16	11.3	93	7.0	7.0	82	80	-4.0	7.0
19...	0600	EST	81213	1780	--	11.5	95	--	7.2	68	68	-1.5	7.0
MAR													
05...	0620	EST	81341	1090	22	10.3	95	--	6.6	83	79	10.4	11.1
APR													
23...	0545	EST	81341	1680	58	8.3	85	--	7.0	74	79	3.2	16.0
MAY													
21...	0550	EST	81341	1680	29	8.5	89	--	6.8	81	79	16.4	17.5
JUN													
03...	0530	EST	81213	629	--	8.0	89	--	7.4	83	82	20.0	20.3
05...	0515	EST	81213	1250	--	7.8	88	--	7.3	80	80	14.0	20.8
11...	1045	EST	81341	1210	31	8.1	95	--	7.0	73	75	34.3	22.4
JUL													
09...	0530	EST	81341	1350	35	7.1	85	6.4	6.9	77	73	21.0	24.1
AUG													
20...	0830	EST	81341	765	23	7.0	85	6.9	7.4	91	90	24.0	25.1
26...	1115	EST	81213	--	--	7.5	91	6.7	7.2	94	97	33.7	25.1
28...	1145	EST	81213	--	--	7.3	91	6.8	7.4	94	99	34.3	26.1
SEP													
11...	0715	EST	81341	--	12	6.8	77	7.2	7.2	110	110	15.4	20.7
OCT													
02...	0530	EST	81341	339	17	8.3	86	7.2	7.1	100	102	9.5	16.6
NOV													
12...	0725	EST	81341	656	10	8.8	84	7.2	7.1	100	103	8.5	13.1
18...	0805	EST	81213	608	--	10.1	98	6.8	7.1	95	99	15.6	13.7
20...	1150	EST	81213	3760	--	10.5	107	6.8	6.8	64	64	23.0	15.6
DEC													
03...	1105	EST	81341	--	13	11.8	98	--	7.6	130	88	13.2	7.3
08...	0850	EST	81341	--	13	12.1	96	7.2	7.1	82	80	5.0	5.2

02218000 OCONEE RIVER AT BARNETT SHOALS ROAD, NEAR WATKINSVILLE, GA--Continued (GEORGIA EPD ID 03035001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
22...	22	11	.370	1.20	.180	2.2	<2.0	--
FEB								
11...	--	--	--	--	--	--	--	170
13...	18	15	.140	.940	.130	<1.0	<2.0	150
19...	--	--	--	--	--	--	--	700
MAR								
05...	18	22	.170	1.00	.180	2.1	<2.0	230
APR								
23...	21	65	.240	.980	.200	2.5	<2.0	--
MAY								
21...	22	30	.180	.900	.150	2.4	<4.0	310
JUN								
03...	--	--	--	--	--	--	--	170
05...	--	--	--	--	--	--	--	790
11...	20	50	.080	.790	.130	4.5	<2.0	490
JUL								
09...	20	44	.150	.710	.130	4.2	<2.0	--
AUG								
20...	24	21	.130	1.00	.200	2.6	<2.0	330
26...	--	--	--	--	--	--	--	490
28...	--	--	--	--	--	--	--	220
SEP								
11...	27	12	.250	1.40	.310	2.9	<2.0	170
OCT								
02...	25	8	.190	1.20	.280	3.2	<2.0	--
NOV								
12...	26	11	.300	1.20	.270	3.6	<2.0	230
18...	--	--	--	--	--	--	--	170
20...	--	--	--	--	--	--	--	7000
DEC								
03...	25	7	.350	.930	.190	2.9	<2.0	330
08...	23	23	.130	.930	.110	2.9	<2.0	170

Remark codes used in this report:
< -- Less than

02223600 OCONEE RIVER AT INTERSTATE HIGHWAY 16, NEAR DUBLIN, GA (GEORGIA EPD ID 03051001)

LOCATION.--Lat 32º29'05", long 82º51'45" (referenced to North American Datum (NAD) of 1927), Laurens County, Hydrologic Unit 03070102, at Interstate Highway 16, 4.0 miles upstream from confluence with Pughes Creek, 4.5 miles southeast of Dublin, and at mile 69.9.

DRAINAGE AREA.--4,400 square miles, approximately.

ELEVATION.--150 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1973 to February 1994, November 1994 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Lake Oconee and Sinclair Reservoir. Discharge obtained from gaging station 02223500, Oconee River at Dublin, GA. Discharges for the samples collected October–December 2003 are still "provisional" as of publication date and are available upon request.

02223600 OCONEE RIVER AT INTERSTATE HIGHWAY 16, NEAR DUBLIN, GA--Continued (GEORGIA EPD ID 03051001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)
JAN													
23...	0930	EST	81341	1600	40	19	9.4	82	6.9	6.9	130	125	1.0
FEB													
10...	1020	EST	81213	4800	--	--	10.0	89	7.1	7.1	93	93	11.3
12...	1635	EST	81213	5620	--	--	10.5	93	7.3	7.2	90	91	16.2
20...	0930	EST	81341	10600	50	32	10.2	90	6.7	7.1	--	78	--
MAR													
06...	0925	EST	81341	6970	70	21	8.3	82	6.3	6.2	86	84	--
APR													
17...	0630	EST	81341	11800	120	27	6.0	64	6.5	6.6	65	68	16.0
MAY													
15...	0645	EST	81341	9380	100	22	5.1	58	6.4	6.5	73	76	19.0
22...	0645	EST	81213	12400	--	--	6.5	75	6.6	--	--	68	21.0
JUN													
05...	0740	EST	81341	2910	80	28	7.1	85	6.6	6.7	130	128	21.3
12...	0800	EST	81213	12200	--	--	6.1	74	6.5	6.7	72	74	26.5
JUL													
10...	0715	EST	81341	15000	70	8.0	5.7	71	6.2	6.6	74	69	26.0
24...	0600	EST	81213	6320	--	--	7.3	88	6.3	6.9	83	85	22.0
31...	0630	EST	81213	3650	--	--	7.2	91	6.1	6.9	99	103	25.5
AUG													
07...	0545	EST	81341	5530	60	24	6.3	80	6.0	6.6	85	83	23.0
SEP													
11...	0605	EST	81341	1560	50	11	6.7	83	6.4	6.8	150	153	17.7
OCT													
09...	0545	EST	81341	--	50	11	6.6	76	6.0	6.6	150	144	20.5
NOV													
20...	0730	EST	81341	--	30	7.1	9.3	99	6.4	6.9	140	138	8.0
DEC													
04...	0730	EST	81213	--	--	--	11.5	106	6.3	7.1	145	147	8.0
11...	0730	EST	81341	--	30	11	11.3	105	6.3	7.0	100	111	7.5
18...	0730	EST	81213	--	--	--	10.2	91	6.4	7.2	98	96	15.5

02223600 OCONEE RIVER AT INTERSTATE HIGHWAY 16, NEAR DUBLIN, GA--Continued (GEORGIA EPD ID 03051001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Temperature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Organic nitrogen, water, unfltrd mg/L (00605)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, low level, water, unfltrd mg/L (00335)	Fecal coliform, ECbroth water, MPN/ 100 mL (31615)
JAN												
23...	9.5	24	12	.38	.120	.360	.26	.070	4.1	<2.0	21	--
FEB												
10...	9.9	--	--	--	--	--	--	--	--	--	--	220
12...	10.2	--	--	--	--	--	--	--	--	--	--	230
20...	9.9	15	16	.32	<.030	.340	--	.090	7.2	<2.0	37	230
MAR												
06...	14.1	15	32	.52	<.030	.210	--	.080	6.3	<2.0	<10	130
APR												
17...	17.9	16	10	.52	.070	.260	.45	.060	6.5	<2.0	24	--
MAY												
15...	21.5	20	9	.56	.090	.210	.47	.070	6.4	<2.0	23	50
22...	22.2	--	--	--	--	--	--	--	--	--	--	5400
JUN												
05...	23.7	28	28	.38	.070	.290	.31	.130	9.2	<2.0	33	490
12...	25.1	--	--	--	--	--	--	--	--	--	--	220
JUL												
10...	26.6	22	6	.54	.030	.070	.51	.070	9.6	<2.0	20	170
24...	24.8	--	--	--	--	--	--	--	--	--	--	790
31...	26.8	--	--	--	--	--	--	--	--	--	--	E110
AUG												
07...	27.2	20	39	.49	<.030	.230	--	.070	6.7	<2.0	20	460
SEP												
11...	25.4	29	10	.42	.100	.390	.32	.110	5.3	<2.0	14	--
OCT												
09...	21.3	24	13	.42	.100	.290	.32	.090	8.0	<2.0	20	--
NOV												
20...	17.9	24	7	.37	.050	.300	.32	.080	6.7	<2.0	<10	330
DEC												
04...	11.2	--	--	--	--	--	--	--	--	--	--	<20
11...	11.3	20	12	.00	.060	.220	--	.100	5.0	<2.0	<10	230
18...	10.1	--	--	--	--	--	--	--	--	--	--	1300

Remark codes used in this report:
< -- Less than
E -- Estimated value

ALTAMAHA RIVER BASIN
2003 Calendar Year

02226010 ALTAMAHA RIVER NEAR GARDI, GA
(GEORGIA EPD ID 06016001)

LOCATION.--Lat 31º37'24", long 81º45'55" (referenced to North American Datum (NAD) of 1927), Wayne-Long County line, Hydrologic Unit 03070106, 9.0 miles upstream from confluence with Penholoway Creek, 7.0 miles southeast of Doctortown, and 6.0 miles northeast of Gardi.

DRAINAGE AREA.--13,600 square miles, approximately.

ELEVATION.--30 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1974 to February 1994, March 1995 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharge obtained from gaging station 02226000, Altamaha River at Doctortown, GA. Discharges for the samples collected October–December 2003 are still "provisional" as of publication date and are available upon request.

02226010 ALTAMAHA RIVER NEAR GARDI, GA--Continued (GEORGIA EPD ID 06016001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)
JAN													
08...	1000	EST	81341	27100	80	28	9.6	81	--	6.7	96	96	8.0
FEB													
19...	1050	EST	81341	13800	70	21	9.8	88	7.3	6.9	120	116	11.6
26...	0850	EST	81213	21900	--	--	8.3	80	6.7	6.9	94	95	13.0
MAR													
03...	1330	EST	81213	30800	--	--	8.5	80	6.8	6.9	108	114	15.4
12...	0905	EST	81341	39700	120	20	7.3	74	6.8	6.5	69	73	19.7
APR													
16...	1030	EST	81341	35400	140	18	7.2	75	6.9	6.6	64	67	26.0
22...	0745	EST	81213	31200	--	--	6.6	72	6.7	6.8	77	78	21.2
24...	0850	EST	81213	26600	--	--	6.5	71	6.8	6.9	90	93	21.1
29...	0930	EST	81213	16000	--	--	6.3	70	6.8	7.0	105	108	22.7
MAY													
13...	1045	EST	81341	14200	100	27	5.5	66	6.9	7.1	110	110	23.6
JUN													
25...	1245	EST	81341	32100	70	13	5.7	69	6.6	6.7	--	101	32.5
JUL													
09...	1130	EST	81341	20200	100	17	5.1	64	7.0	7.0	96	101	33.8
AUG													
20...	0830	EST	81341	21600	140	13	4.8	60	6.4	6.8	--	115	25.9
27...	1245	EST	81213	15300	--	--	4.8	61	6.8	7.1	108	120	29.9
SEP													
10...	1250	EST	81213	12700	--	--	5.5	66	6.6	6.9	105	119	25.8
17...	0825	EST	81341	6220	100	15	5.6	70	7.3	7.2	180	209	22.5
OCT													
15...	0900	EST	81341	6130	80	17	7.2	83	7.8	7.5	180	197	17.5
NOV													
05...	1215	EST	81341	--	60	15	7.5	84	7.4	7.4	170	175	28.2
13...	1330	EST	81213	--	--	--	9.2	99	6.9	7.4	181	191	20.8
19...	0930	EST	81213	--	--	--	8.3	90	7.0	7.5	200	204	17.1
DEC													
03...	0930	EST	81341	--	80	15	9.3	85	7.5	7.3	190	185	12.1

ALTAMAHA RIVER BASIN
2003 Calendar Year

02226010 ALTAMAHA RIVER NEAR GARDI, GA--Continued
(GEORGIA EPD ID 06016001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Temperature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coliform, ECbroth water, MPN/ 100 mL (31615)	Tannin & lignin, water, unfltrd mg/L (32240)
JAN										
08...	8.3	15	15	.030	.190	.060	9.1	<2.0	--	1.6
FEB										
19...	11.1	23	16	<.030	.370	.070	7.2	<2.0	50	1.1
26...	13.5	--	--	--	--	--	--	--	<20	--
MAR										
03...	12.8	--	--	--	--	--	--	--	170	--
12...	16.0	11	11	.040	.160	.060	11.0	<2.0	20	1.6
APR										
16...	17.5	14	12	.070	.200	.070	14.0	<2.0	80	1.9
22...	20.0	--	--	--	--	--	--	--	50	--
24...	19.7	--	--	--	--	--	--	--	50	--
29...	20.9	--	--	--	--	--	--	--	80	--
MAY										
13...	25.0	26	22	.040	.310	.100	7.5	2.6	--	1.2
JUN										
25...	26.1	21	9	<.030	.190	.070	13.0	<2.0	--	1.3
JUL										
09...	27.6	24	11	<.030	.180	.070	10.0	<2.0	--	1.0
AUG										
20...	27.3	22	6	.040	.170	.070	12.0	<2.0	50	1.5
27...	28.9	--	--	--	--	--	--	--	20	--
SEP										
10...	24.7	--	--	--	--	--	--	--	80	--
17...	26.9	46	18	<.030	.380	.080	11.0	<2.0	<20	1.5
OCT										
15...	22.5	38	21	<.030	.560	.070	8.2	<2.0	--	1.2
NOV										
05...	21.2	35	18	<.030	.340	.070	13.0	<2.0	20	1.4
13...	19.4	--	--	--	--	--	--	--	20	--
19...	18.8	--	--	--	--	--	--	--	<20	--
DEC										
03...	11.9	37	11	<.030	.420	.080	7.3	<2.0	20	1.0

Remark codes used in this report:
< -- Less than

SATILLA RIVER BASIN
2003 Calendar Year

02226187 SATILLA CREEK AT AUBREY PAULK ROAD, NEAR HOLT, GA (GEORGIA EPD ID 07001001)

LOCATION.--Lat 31°30'44'', long 83°05'20'' (referenced to North American Datum (NAD) of 1927), Coffee County, Hydrologic Unit 03070201, at the bridge on Aubrey Paulk Road (County Road 559), 0.7 mile upstream from confluence with Satilla River, 1.1 miles downstream from confluence with Sand Hill Branch, 7.7 miles southwest of Ambrose, and 8.3 miles southeast of Holt.

ELEVATION.--230 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
14...	1455	EST	81213	29	3.9	10.3	85	6.4	6.7	78	82	14.7	7.3
22...	1645	EST	81213	21	--	8.7	79	6.4	6.6	84	85	8.9	11.0
28...	1615	EST	81213	19	--	11.7	92	6.7	6.6	83	83	15.4	5.5
FEB													
05...	1410	EST	81213	18	3.6	8.5	76	6.4	6.7	86	87	18.0	10.8
MAR													
19...	1300	EST	81213	>350	8.7	6.3	68	6.2	6.3	58	58	24.6	18.1
APR													
10...	1600	EST	81213	>350	14	7.3	73	6.3	6.2	53	53	9.3	14.3
MAY													
21...	1510	EST	81213	<1.2	8.0	1.1	12	5.9	7.1	104	119	21.9	21.7
JUN													
04...	1420	EST	81213	<1.2	--	1.3	--	6.4	6.7	110	--	29.0	21.8
11...	1400	EST	81213	2.9	--	3.9	46	6.2	6.6	101	107	31.3	24.4
19...	1530	EST	81213	174	7.6	5.5	66	5.9	6.3	71	72	30.8	24.3
JUL													
17...	1520	EST	81213	<1.2	7.0	1.9	23	6.3	6.9	92	100	33.3	24.3
30...	1415	EST	81213	24	--	4.8	59	6.2	6.6	81	87	31.2	25.3
AUG													
06...	1420	EST	81213	68	--	5.4	65	6.1	6.4	68	74	31.3	24.6
14...	1530	EST	81213	113	7.5	5.5	66	6.2	6.8	71	77	29.2	25.2
SEP													
25...	1510	EST	81213	<1.2	5.0	1.5	17	6.2	6.9	97	105	29.2	22.5
OCT													
30...	1545	EST	81213	E350	7.3	7.5	78	5.5	6.1	63	67	23.5	16.9
NOV													
20...	1540	EST	81213	17	5.4	6.2	64	6.3	6.8	86	90	21.0	15.9
DEC													
03...	1530	EST	81213	2.9	--	8.7	76	6.4	6.7	84	89	16.1	9.4
08...	1215	EST	81213	>350	--	10.3	86	6.3	6.7	79	82	13.0	7.0
18...	1050	EST	81213	32	4.6	10.2	83	6.4	6.7	75	79	10.2	6.3

02226187 SATILLA CREEK AT AUBREY PAULK ROAD, NEAR HOLT, GA--Continued (GEORGIA EPD ID 07001001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
14...	12	2	.06	.160	.03	14.0	1.3	<20
22...	--	--	--	--	--	--	--	130
28...	--	--	--	--	--	--	--	<20
FEB								
05...	13	<1	.07	.080	.02	16.0	.9	20
MAR								
19...	9	7	.05	.130	.04	21.0	<.1	--
APR								
10...	9	8	.09	.080	.06	21.0	1.9	--
MAY								
21...	33	13	.70	.060	.05	21.0	2.0	<20
JUN								
04...	--	--	--	--	--	--	--	20
11...	--	--	--	--	--	--	--	270
19...	10	5	.05	.090	.05	19.0	1.4	270
JUL								
17...	26	9	.18	.050	.05	19.0	2.5	170
30...	--	--	--	--	--	--	--	140
AUG								
06...	--	--	--	--	--	--	--	<20
14...	16	10	.11	.080	.03	23.0	1.8	50
SEP								
25...	27	11	.10	<.020	.05	20.0	1.7	--
OCT								
30...	7	7	.02	<.020	.03	18.0	2.0	--
NOV								
20...	18	4	.04	<.020	.04	15.0	1.3	1100
DEC								
03...	--	--	--	--	--	--	--	220
08...	--	--	--	--	--	--	--	70
18...	11	<1	.03	.050	<.02	11.0	1.7	130

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value

02226187 SATILLA CREEK AT AUBREY PAULK ROAD, NEAR HOLT, GA--Continued (GEORGIA EPD ID 07001001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Calcium water unfltrd recover-able, mg/L (00916)
FEB													
05...	1410	EST	81213	18	8.5	76	6.4	6.7	86	87	18.0	10.8	4.30
MAR													
19...	1300	EST	81213	>350	6.3	68	6.2	6.3	58	58	24.6	18.1	3.40

Date	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Anti-mony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mercury water, unfltrd recover-able, ug/L (71900)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Thall-ium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recover-able, ug/L (01092)
FEB												
05...	3.10	<1	<4	<.5	<1	<2	.6	<.1	<1	<4	<2	4
MAR												
19...	2.10	<1	<4	<.5	<1	<2	.9	<.1	<1	<4	<2	5

Remark codes used in this report:
< -- Less than
> -- Greater than

SATILLA RIVER BASIN
2003 Calendar Year

02226260 PUDDING CREEK AT GEORGIA HIGHWAY 31, NEAR PEARSON, GA (GEORGIA EPD ID 07002901)

LOCATION.--Lat 31°21'53'', long 82°50'20'' (referenced to North American Datum (NAD) of 1927), Atkinson County, Hydrologic Unit 03070201, at the bridge on Georgia Highway 31, 1.4 miles upstream from confluence with Satilla River, and 3.8 miles north of Pearson.

DRAINAGE AREA.--74 square miles.

ELEVATION.--145 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
14...	0940	EST	81213	97	4.2	9.1	73	5.9	6.0	109	108	3.8	6.3
22...	1020	EST	81213	85	--	7.7	68	6.0	6.0	113	114	16.2	9.6
28...	1045	EST	81213	82	--	9.6	72	6.0	6.1	116	115	2.4	4.2
FEB													
05...	0920	EST	81213	85	15	6.7	60	6.3	6.7	143	143	7.1	10.4
MAR													
19...	1010	EST	81213	393	5.6	4.8	51	5.4	5.7	63	63	19.9	18.6
APR													
10...	1030	EST	81213	>451	12	6.1	62	5.7	5.7	57	58	8.7	16.0
MAY													
22...	1015	EST	81213	112	8.0	5.2	60	5.3	6.0	68	72	21.8	21.8
JUN													
05...	0945	EST	81213	61	--	.7	8	5.8	6.1	83	90	25.9	22.8
11...	1230	EST	81213	102	--	4.8	58	5.8	6.2	93	99	33.9	25.5
19...	0910	EST	81213	166	9.3	4.8	58	5.6	6.0	64	64	25.2	24.0
JUL													
17...	0915	EST	81213	102	4.8	4.0	47	5.7	6.1	68	73	25.2	24.9
31...	0900	EST	81213	116	--	4.0	48	5.5	6.0	72	77	24.8	24.1
AUG													
07...	0845	EST	81213	147	--	4.4	53	5.5	5.8	63	68	25.9	24.3
14...	0930	EST	81213	135	5.4	4.3	51	5.1	5.6	54	60	27.3	25.0
SEP													
25...	0920	EST	81213	60	4.0	1.8	21	5.3	5.9	56	62	24.0	22.8
OCT													
30...	1040	EST	81213	>451	8.5	6.7	70	4.9	5.5	60	65	19.3	17.2
NOV													
20...	1030	EST	81213	80	4.5	5.6	56	5.8	6.2	77	81	14.8	15.5
DEC													
08...	1315	EST	81213	65	--	9.5	80	6.0	6.2	77	80	13.3	7.7
17...	0940	EST	81213	92	3.5	9.6	80	6.0	6.3	78	83	6.2	7.0

02226260 PUDDING CREEK AT GEORGIA HIGHWAY 31, NEAR PEARSON, GA--Continued (GEORGIA EPD ID 07002901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
14...	8	3	.02	.510	.05	32.0	.8	170
22...	--	--	--	--	--	--	--	170
28...	--	--	--	--	--	--	--	90
FEB								
05...	15	8	.14	.520	.05	28.0	1.3	20
MAR								
19...	7	4	.07	.160	.13	40.0	<.1	--
APR								
10...	7	10	.06	.190	.14	35.0	2.2	--
MAY								
22...	7	8	.08	.120	.12	32.0	1.4	1400
JUN								
05...	--	--	--	--	--	--	--	<20
11...	--	--	--	--	--	--	--	460
19...	8	6	.06	.140	.12	33.0	1.4	140
JUL								
17...	10	6	.07	.040	.17	36.0	1.9	250
31...	--	--	--	--	--	--	--	E460
AUG								
07...	--	--	--	--	--	--	--	1700
14...	8	8	.06	<.020	.11	40.0	1.8	70
SEP								
25...	9	9	.34	.060	.19	40.0	1.5	--
OCT								
30...	5	6	.03	.210	.11	28.0	1.8	--
NOV								
20...	10	1	.08	.170	.09	27.0	1.3	700
DEC								
08...	--	--	--	--	--	--	--	330
17...	8	2	.03	.370	.06	23.0	1.9	490

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value

02226260 PUDDING CREEK AT GEORGIA HIGHWAY 31, NEAR PEARSON, GA--Continued (GEORGIA EPD ID 07002901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Calcium water unfltrd recover-able, mg/L (00916)
FEB													
05...	0920	EST	81213	85	6.7	60	6.3	6.7	143	143	7.1	10.4	5.50
MAR													
19...	1010	EST	81213	393	4.8	51	5.4	5.7	63	63	19.9	18.6	3.60

Date	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Anti-mony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mercury water, unfltrd recover-able, ug/L (71900)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Thall-ium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recover-able, ug/L (01092)
FEB												
05...	4.70	<1	<4	<.5	<1	<2	.6	<.1	<1	<4	<2	12
MAR												
19...	2.20	<1	<4	<.5	1	2	1.2	<.1	<1	<4	<2	15

Remark codes used in this report:
< -- Less than

SATILLA RIVER BASIN
2003 Calendar Year

02226300 SATILLA RIVER AT GEORGIA HIGHWAY 64, NEAR PEARSON, GA (GEORGIA EPD ID 07003001)

LOCATION.--Lat 31°20’11’’, long 82°46’07’’ (referenced to North American Datum (NAD) of 1927), Atkinson County, Hydrologic Unit 03070201, at the bridge on Georgia Highway 64, 3.3 miles downstream from confluence with Sweetwater Creek, and 4.9 miles northeast of Pearson.

DRAINAGE AREA.--355 square miles.

ELEVATION.--123.18 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
14...	0825	EST	81213	193	3.2	10.2	83	6.2	6.4	80	80	-1.9	6.6
22...	0915	EST	81213	96	--	10.0	87	6.2	6.3	81	82	16.8	8.9
28...	0945	EST	81213	78	--	11.8	88	6.2	6.3	81	81	1.1	4.0
FEB													
05...	0840	EST	81213	82	2.8	8.6	77	6.3	6.5	82	84	2.8	10.8
MAR													
19...	0930	EST	81213	1470	6.5	5.3	57	6.0	6.2	64	64	19.6	18.6
APR													
10...	0940	EST	81213	1890	12	6.1	64	6.0	6.0	57	59	8.3	16.7
MAY													
22...	0900	EST	81213	273	6.8	5.6	64	5.8	6.7	68	71	21.7	21.9
JUN													
05...	0900	EST	81213	<22	--	3.3	38	6.0	6.4	73	79	29.9	22.6
11...	1145	EST	81213	332	--	5.2	63	6.0	6.2	70	74	31.8	25.7
19...	0810	EST	81213	626	9.6	5.4	65	5.9	6.3	64	63	26.2	24.4
JUL													
17...	0815	EST	81213	58	9.4	4.6	55	6.0	6.6	65	71	24.7	25.2
31...	0820	EST	81213	299	--	5.0	60	5.9	6.3	60	65	25.2	25.0
AUG													
07...	0800	EST	81213	1340	--	5.0	61	5.9	6.2	55	60	24.8	25.0
14...	0840	EST	81213	1100	5.7	4.5	55	5.7	6.3	56	62	26.2	25.5
SEP													
25...	0830	EST	81213	38	3.9	4.5	53	5.9	6.7	68	75	20.8	23.1
OCT													
30...	0930	EST	81213	1840	10	6.7	70	5.5	6.0	61	66	14.9	17.5
NOV													
20...	0920	EST	81213	115	3.7	6.2	64	6.1	6.6	72	77	7.5	16.6
DEC													
08...	1400	EST	81213	76	--	10.6	89	6.2	6.5	73	76	17.1	7.7
18...	0900	EST	81213	332	5.2	9.8	83	6.3	6.5	74	78	2.5	7.8

02226300 SATILLA RIVER AT GEORGIA HIGHWAY 64, NEAR PEARSON, GA--Continued (GEORGIA EPD ID 07003001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
14...	8	2	.04	.080	.04	19.0	.9	<20
22...	--	--	--	--	--	--	--	130
28...	--	--	--	--	--	--	--	50
FEB								
05...	9	<1	.04	.050	<.02	18.0	.8	<20
MAR								
19...	10	6	.08	.130	.07	30.0	.2	--
APR								
10...	8	8	.12	.180	.13	30.0	2.0	--
MAY								
22...	9	8	.06	.090	.09	30.0	1.5	490
JUN								
05...	--	--	--	--	--	--	--	20
11...	--	--	--	--	--	--	--	540
19...	11	12	.03	.050	.08	24.0	1.5	490
JUL								
17...	13	19	.06	.110	.07	23.0	1.5	70
31...	--	--	--	--	--	--	--	E230
AUG								
07...	--	--	--	--	--	--	--	130
14...	10	9	.04	.020	.04	25.0	1.7	110
SEP								
25...	14	8	.06	.110	.08	27.0	1.2	--
OCT								
30...	7	9	.04	.100	.05	24.0	2.0	--
NOV								
20...	12	1	.05	.050	.05	20.0	1.1	330
DEC								
08...	--	--	--	--	--	--	--	230
18...	10	2	.02	.160	.03	14.0	2.1	490

Remark codes used in this report:
< -- Less than
E -- Estimated value

02226300 SATILLA RIVER AT GEORGIA HIGHWAY 64, NEAR PEARSON, GA--Continued (GEORGIA EPD ID 07003001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
FEB													
05...	0840	EST	81213	82	8.6	77	6.3	6.5	82	84	2.8	10.8	3.50
MAR													
19...	0930	EST	81213	1470	5.3	57	6.0	6.2	64	64	19.6	18.6	3.50

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
FEB												
05...	2.50	<1	<4	<.5	<1	<2	.5	<.1	<1	<4	<2	6
MAR												
19...	2.20	<1	<4	<.5	<1	<2	1.1	<.1	2	<4	<2	9

Remark codes used in this report:
< -- Less than

SATILLA RIVER BASIN
2003 Calendar Year

02226315 RED BLUFF CREEK AT US HIGHWAY 82, NEAR PEARSON, GA (GEORGIA EPD ID 07003901)

LOCATION.--Lat 31°16'24'', long 82°42'58'' (referenced to North American Datum (NAD) of 1927), Atkinson County, Hydrologic Unit 03070201, at the bridge on US Highway 82, 4.4 miles downstream from the confluence with Satilla River, and 7.4 miles southwest of Pearson.

DRAINAGE AREA.--75.9 square miles.

ELEVATION.--135 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
14...	0715	EST	81213	20	4.2	8.4	69	4.4	4.6	94	101	-1.9	6.9
22...	0805	EST	81213	14	--	8.3	71	4.4	4.5	102	104	15.4	8.6
28...	0840	EST	81213	11	--	9.2	70	4.5	4.7	107	107	-3.6	4.4
FEB													
05...	0745	EST	81213	<8.8	1.0	5.7	50	4.6	4.7	102	103	3.1	10.4
MAR													
19...	0850	EST	81213	>170	3.0	4.7	51	4.1	4.4	67	68	18.8	18.7
APR													
10...	0830	EST	81213	>170	8.5	5.9	61	4.4	4.5	55	56	8.5	16.5
MAY													
22...	0730	EST	81213	31	4.4	3.7	42	3.8	4.2	95	100	21.3	21.7
JUN													
05...	0800	EST	81213	13	--	2.2	25	3.9	4.1	119	126	24.2	22.9
09...	1445	EST	81213	103	--	4.6	56	4.1	4.3	73	80	35.8	24.5
19...	0700	EST	81213	112	8.1	4.7	57	4.2	4.5	60	61	24.5	24.1
JUL													
17...	0650	EST	81213	11	2.7	2.4	29	3.8	4.1	119	126	22.7	25.1
31...	0730	EST	81213	18	--	2.8	34	3.9	4.2	86	92	24.3	24.6
AUG													
07...	0720	EST	81213	137	--	4.4	53	4.0	4.3	64	70	23.5	24.5
14...	0730	EST	81213	94	2.2	4.2	51	3.8	4.1	76	82	24.9	25.1
SEP													
25...	0725	EST	81213	13	2.2	2.5	29	3.7	4.0	111	116	20.1	22.6
OCT													
30...	0810	EST	81213	155	7.4	5.8	60	3.8	4.2	79	86	11.0	16.9
NOV													
20...	0800	EST	81213	53	3.0	5.3	55	3.8	4.0	95	101	7.2	16.6
DEC													
08...	1430	EST	81213	30	--	9.3	80	3.9	4.0	111	117	14.6	8.5
17...	1430	EST	81213	79	3.8	8.5	76	4.0	4.2	88	94	9.1	10.1

02226315 RED BLUFF CREEK AT US HIGHWAY 82, NEAR PEARSON, GA--Continued (GEORGIA EPD ID 07003901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
14...	<1	5	.02	<.020	.05	47.0	.7	<20
22...	--	--	--	--	--	--	--	80
28...	--	--	--	--	--	--	--	80
FEB								
05...	2	<1	.03	<.020	.04	45.0	.8	<20
MAR								
19...	<1	<1	.07	<.020	.09	59.0	<.1	--
APR								
10...	<1	5	.07	.050	.12	49.0	1.4	--
MAY								
22...	<1	9	.45	<.020	.13	87.0	1.3	70
JUN								
05...	--	--	--	--	--	--	--	20
09...	--	--	--	--	--	--	--	170
19...	<1	7	.09	<.020	.19	51.0	1.1	270
JUL								
17...	<1	5	.40	<.020	.10	110	1.6	50
31...	--	--	--	--	--	--	--	<20
AUG								
07...	--	--	--	--	--	--	--	490
14...	<1	4	.09	<.020	.05	73.0	1.5	20
SEP								
25...	<1	6	.53	<.020	.12	120	1.2	--
OCT								
30...	<1	8	.02	.050	.06	44.0	1.8	--
NOV								
20...	<1	5	.17	<.020	.05	82.0	1.2	50
DEC								
08...	--	--	--	--	--	--	--	20
17...	<1	2	.15	.050	.05	56.0	2.0	130

Remark codes used in this report:
< -- Less than
> -- Greater than

02226315 RED BLUFF CREEK AT US HIGHWAY 82, NEAR PEARSON, GA--Continued (GEORGIA EPD ID 07003901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
FEB													
05...	0745	EST	81213	<8.8	5.7	50	4.6	4.7	102	103	3.1	10.4	3.70
MAR													
19...	0850	EST	81213	>170	4.7	51	4.1	4.4	67	68	18.8	18.7	2.80

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
FEB												
05...	2.40	<1	<4	<.5	1	<2	.5	<.1	<1	<4	<2	11
MAR												
19...	1.50	<1	<4	<.5	1	<2	1.4	<.1	2	<4	<2	15

Remark codes used in this report:
< -- Less than
> -- Greater than

SATILLA RIVER BASIN
2003 Calendar Year

02226328 ROSES CREEK AT GEORGIA HIGHWAY 268, AT BROXTON, GA (GEORGIA EPD ID 07005401)

LOCATION.--Lat 31°37'28'', long 82°54'43'' (referenced to North American Datum (NAD) of 1927), Coffee County, Hydrologic Unit 03070201, at the bridge on Georgia Highway 268, 2.6 miles east of the intersection with Georgia Highway 353, 1.7 miles northeast of confluence with Halls Creek, and 0.5 mile west of Broxton.

ELEVATION.--230 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
14...	1340	EST	81213	4.0	4.4	10.7	89	6.4	6.6	104	108	14.3	7.6
22...	1525	EST	81213	4.7	--	8.8	81	6.3	6.5	112	113	9.7	11.8
28...	1445	EST	81213	4.7	--	11.8	93	6.4	6.6	107	106	12.8	5.5
FEB													
05...	1305	EST	81213	4.1	2.8	9.6	86	6.5	6.7	108	109	14.9	10.4
MAR													
19...	1200	EST	81213	139	8.3	6.8	73	6.3	6.4	78	78	22.1	18.4
APR													
10...	1500	EST	81213	323	15	7.5	75	6.5	6.4	64	66	11.4	14.7
MAY													
22...	1345	EST	81213	1.9	5.9	4.9	55	6.1	7.0	103	107	22.4	21.3
JUN													
05...	1140	EST	81213	<1.7	--	2.7	32	6.5	6.6	120	129	27.3	24.4
12...	0845	EST	81213	<1.7	--	4.6	54	6.2	6.7	113	125	28.3	23.8
19...	1140	EST	81213	43	5.6	6.4	77	6.1	6.5	78	76	28.3	24.3
JUL													
17...	1135	EST	81213	1.8	10	4.0	47	6.4	6.9	105	113	29.4	24.8
31...	1030	EST	81213	10	--	5.7	68	6.4	6.8	94	100	28.2	24.4
AUG													
07...	1030	EST	81213	112	--	5.8	71	6.2	6.5	75	80	26.9	24.4
14...	1130	EST	81213	32	6.0	5.5	66	6.2	6.9	85	91	29.4	25.1
SEP													
25...	1120	EST	81213	4.0	5.9	4.1	47	6.3	7.0	105	110	27.0	22.3
OCT													
30...	1230	EST	81213	154	6.0	7.7	80	5.9	6.5	68	73	23.2	17.1
NOV													
20...	1240	EST	81213	15	4.0	7.2	72	6.4	6.8	89	92	17.2	14.7
DEC													
08...	1030	EST	81213	8.5	--	10.8	88	6.5	6.8	91	94	12.1	6.3
18...	1300	EST	81213	14	3.4	11.0	93	6.5	6.9	80	84	15.7	7.5

02226328 ROSES CREEK AT GEORGIA HIGHWAY 268, AT BROXTON, GA--Continued (GEORGIA EPD ID 07005401)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
14...	11	3	.02	.040	.04	13.0	.9	<20
22...	--	--	--	--	--	--	--	790
28...	--	--	--	--	--	--	--	20
FEB								
05...	12	<1	.04	<.020	.02	18.0	1.0	<20
MAR								
19...	11	3	.07	.190	.08	20.0	.2	--
APR								
10...	10	11	.13	.200	.11	18.0	1.8	--
MAY								
22...	18	6	.16	.110	.07	16.0	1.4	1100
JUN								
05...	--	--	--	--	--	--	--	60
12...	--	--	--	--	--	--	--	790
19...	12	6	.07	.080	.07	18.0	1.3	790
JUL								
17...	26	14	.18	.120	.08	21.0	3.2	3500
31...	--	--	--	--	--	--	--	E330
AUG								
07...	--	--	--	--	--	--	--	330
14...	20	8	.09	.150	.07	20.0	1.8	330
SEP								
25...	27	10	.08	.050	.07	23.0	1.5	--
OCT								
30...	10	5	.04	.100	.04	15.0	1.8	--
NOV								
20...	17	2	.04	.040	.06	15.0	1.4	1100
DEC								
08...	--	--	--	--	--	--	--	170
18...	13	<1	.03	.210	.03	11.0	1.5	700

Remark codes used in this report:
< -- Less than
E -- Estimated value

02226328 ROSES CREEK AT GEORGIA HIGHWAY 268, AT BROXTON, GA--Continued (GEORGIA EPD ID 07005401)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
FEB													
05...	1305	EST	81213	4.1	9.6	86	6.5	6.7	108	109	14.9	10.4	4.70
MAR													
19...	1200	EST	81213	139	6.8	73	6.3	6.4	78	78	22.1	18.4	2.20

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
FEB												
05...	3.30	<1	<4	<.5	<1	<2	.3	<.1	<1	<4	<2	6
MAR												
19...	1.20	<1	<4	<.5	<1	<2	1.3	<.1	1	<4	<2	7

Remark codes used in this report:
< -- Less than

SATILLA RIVER BASIN
Calendar Year 2003

02226332 BROXTON CREEK AT BROXTON ROAD, NEAR BROXTON, GA (GEORGIA EPD ID 07005001)

LOCATION.--Lat 31°34'55'', long 82°50'35'' (referenced to North American Datum (NAD) of 1927), Coffee County, Hydrologic Unit 03070201, at the bridge on Broxton Road (County Road 358), 2.1 miles upstream from confluence with Seventeen Mile River, 2.2 miles downstream from confluence with Ninemile Creek, 3.6 miles north of Douglas, and 3.3 miles southeast of Broxton.

ELEVATION.--195 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
14...	1050	EST	81213	24	5.8	10.5	82	6.2	6.5	87	86	5.9	5.4
22...	1130	EST	81213	19	--	8.3	75	6.2	6.3	89	90	10.8	10.8
28...	1150	EST	81213	21	--	11.7	87	6.2	6.4	85	86	7.0	3.4
FEB													
05...	1015	EST	81213	27	4.5	8.2	71	6.3	6.4	87	87	6.8	9.5
MAR													
19...	1120	EST	81213	247	9.2	6.4	68	6.1	6.2	66	66	21.5	18.2
APR													
10...	1140	EST	81213	309	27	7.1	71	6.2	6.2	55	57	8.6	15.2
MAY													
22...	1200	EST	81213	61	8.4	5.9	68	5.8	6.5	67	68	21.8	22.1
JUN													
05...	1045	EST	81213	2.4	--	2.1	25	6.1	6.3	79	85	25.0	23.1
12...	0805	EST	81213	40	--	5.4	64	5.8	6.5	70	75	23.6	24.4
19...	1020	EST	81213	205	9.1	5.6	67	5.9	6.3	62	61	25.6	24.1
JUL													
17...	1025	EST	81213	3.4	11	2.8	34	6.2	6.8	91	101	26.2	24.9
31...	0950	EST	81213	34	--	4.5	54	6.0	6.4	71	77	27.3	24.5
AUG													
07...	0945	EST	81213	161	--	5.1	62	5.9	6.2	63	69	25.1	24.3
14...	1045	EST	81213	145	7.9	4.9	58	5.8	6.5	63	68	26.2	25.1
SEP													
25...	1040	EST	81213	9.2	6.3	2.4	28	5.9	6.8	86	92	24.3	21.9
OCT													
30...	1145	EST	81213	285	8.0	7.1	73	5.5	6.1	69	73	19.5	16.6
NOV													
20...	1150	EST	81213	33	4.6	5.7	57	6.1	6.6	81	84	14.1	14.6
DEC													
08...	1050	EST	81213	31	--	10.5	84	6.2	6.5	74	78	11.3	5.9
18...	1210	EST	81213	61	3.6	10.5	87	6.2	6.6	72	76	13.1	7.0

02226332 BROXTON CREEK AT BROXTON ROAD, NEAR BROXTON, GA--Continued (GEORGIA EPD ID 07005001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
14...	9	4	.03	.050	.04	16.0	.7	<20
22...	--	--	--	--	--	--	--	40
28...	--	--	--	--	--	--	--	50
FEB								
05...	9	3	.13	.030	.03	19.0	1.2	<20
MAR								
19...	9	8	.06	.090	.07	23.0	.2	--
APR								
10...	8	16	.15	.120	.11	21.0	2.0	--
MAY								
22...	10	8	.09	.090	.08	21.0	1.3	230
JUN								
05...	--	--	--	--	--	--	--	50
12...	--	--	--	--	--	--	--	50
19...	9	7	.07	.100	.07	21.0	1.3	330
JUL								
17...	23	15	.10	.080	.08	24.0	1.8	20
31...	--	--	--	--	--	--	--	E490
AUG								
07...	--	--	--	--	--	--	--	330
14...	12	9	.07	.040	.06	25.0	1.8	130
SEP								
25...	20	6	.16	.040	.10	26.0	1.4	--
OCT								
30...	7	7	.07	.210	.06	19.0	2.0	--
NOV								
20...	14	2	.10	.050	.06	18.0	1.4	330
DEC								
08...	--	--	--	--	--	--	--	170
18...	9	2	.04	.110	.03	14.0	1.5	170

Remark codes used in this report:
< -- Less than
E -- Estimated value

02226332 BROXTON CREEK AT BROXTON ROAD, NEAR BROXTON, GA--Continued (GEORGIA EPD ID 07005001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
FEB													
05...	1015	EST	81213	27	8.2	71	6.3	6.4	87	87	6.8	9.5	3.60
MAR													
19...	1120	EST	81213	247	6.4	68	6.1	6.2	66	66	21.5	18.2	3.40

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
FEB												
05...	2.30	<1	<4	<.5	<1	<2	.5	<.1	<1	<4	<2	8
MAR												
19...	1.90	<1	<4	<.5	<1	<2	.9	<.1	<1	<4	<2	7

Remark codes used in this report:
< -- Less than

SATILLA RIVER BASIN
2003 Calendar Year

02226410 HOG CREEK AT TELMORE-DIXIE UNION ROAD, NEAR BICKLEY, GA (GEORGIA EPD ID 07017501)

LOCATION.--Lat 31°24'17'', long 82°34'23'' (referenced to North American Datum (NAD) of 1927), Ware County, Hydrologic Unit 03070201, at the bridge on Telmore-Dixie Union Road (County Road 467), 1.8 miles downstream from confluence with Brushy Creek, 3.4 miles upstream from confluence with Cane Creek., and 1.6 miles east of Bickley.

DRAINAGE AREA.--127 square miles.

ELEVATION.--125 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
13...	1300	EST	81213	74	2.1	9.2	76	5.2	5.4	88	87	7.8	7.1
21...	1150	EST	81213	33	--	9.2	75	5.3	5.4	88	89	18.9	6.8
27...	1210	EST	81213	40	--	10.9	82	5.5	5.5	88	89	6.3	4.0
FEB													
04...	1130	EST	81213	24	1.2	6.3	59	5.3	5.6	92	93	18.2	12.2
MAR													
18...	1225	EST	81213	442	5.2	5.2	56	5.1	5.2	60	61	21.0	17.5
APR													
07...	1215	EST	81213	53	8.9	4.2	47	5.4	5.5	66	68	27.1	20.7
MAY													
19...	1515	EST	81213	3.1	8.2	1.5	17	5.4	6.0	70	79	23.3	21.3
JUN													
02...	1130	EST	81213	<2.1	--	1.4	15	5.4	5.6	68	73	29.4	21.0
09...	1120	EST	81213	322	--	5.6	66	4.9	5.4	62	68	33.7	23.8
16...	1045	EST	81213	331	5.6	5.0	60	5.1	5.4	59	57	31.5	24.8
JUL													
14...	1115	EST	81213	33	4.7	3.8	44	4.9	5.4	50	54	29.7	24.2
28...	1005	EST	81213	322	--	5.1	61	4.6	5.0	49	54	32.1	24.8
AUG													
04...	1000	EST	81213	436	--	5.2	62	4.9	5.2	44	49	26.4	24.3
11...	1115	EST	81213	363	6.4	4.8	57	4.8	5.2	53	58	30.1	24.4
SEP													
22...	1100	EST	81213	6.8	4.2	1.9	23	5.0	5.4	62	68	28.6	23.1
OCT													
27...	1150	EST	81213	4.5	4.3	2.1	23	5.1	5.9	73	73	20.0	19.3
NOV													
17...	1145	EST	81213	16	3.1	5.3	51	5.3	5.7	71	81	20.8	14.3
DEC													
01...	1045	EST	81213	32	--	8.5	70	5.4	5.6	71	76	9.1	7.0
09...	1115	EST	81213	16	--	8.1	66	5.6	5.8	78	81	14.3	6.7
15...	1230	EST	81213	85	3.5	8.6	73	5.5	5.7	69	75	12.0	8.3

02226410 HOG CREEK AT TELMORE-DIXIE UNION ROAD, NEAR BICKLEY, GA—Continued

(GEORGIA EPD ID 07017501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
13...	5	2	.04	.070	.04	33.0	1.0	20
21...	--	--	--	--	--	--	--	40
27...	--	--	--	--	--	--	--	50
FEB								
04...	5	2	.12	.060	.03	29.0	1.0	<20
MAR								
18...	5	3	.11	.080	.10	41.0	.7	--
APR								
07...	7	15	.38	.030	.15	42.0	E2.1	--
MAY								
19...	9	13	.43	<.020	.25	47.0	2.8	130
JUN								
02...	--	--	--	--	--	--	--	20
09...	--	--	--	--	--	--	--	330
16...	6	8	.21	.060	.11	38.0	1.5	50
JUL								
14...	6	6	.08	.040	.12	40.0	1.2	130
28...	--	--	--	--	--	--	--	90
AUG								
04...	--	--	--	--	--	--	--	700
11...	5	13	.05	.020	.10	42.0	.9	20
SEP								
22...	7	16	.11	<.020	.13	46.0	1.7	--
OCT								
27...	10	10	.13	<.020	.16	44.0	2.8	--
NOV								
17...	7	3	.05	<.020	.06	32.0	.9	120
DEC								
01...	--	--	--	--	--	--	--	310
09...	--	--	--	--	--	--	--	90
15...	6	5	.04	.120	.05	23.0	.9	310

Remark codes used in this report:
< -- Less than
E -- Estimated value

02226410 HOG CREEK AT TELMORE-DIXIE UNION ROAD, NEAR BICKLEY, GA—Continued

(GEORGIA EPD ID 07017501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recover-able, mg/L (00916)
FEB													
04...	1130	EST	81213	24	6.3	59	5.3	5.6	92	93	18.2	12.2	3.00
MAR													
18...	1225	EST	81213	442	5.2	56	5.1	5.2	60	61	21.0	17.5	2.80

Date	Magnesium, water, unfltrd recover-able, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mercury water, unfltrd recover-able, ug/L (71900)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recover-able, ug/L (01092)
FEB												
04...	2.20	<1	<4	<.5	<1	<2	.7	<.1	<1	<4	<2	11
MAR												
18...	1.70	<1	<4	<.5	2	<2	4.4	<.1	1	<4	<2	15

Remark codes used in this report:
< -- Less than

SATILLA RIVER BASIN
2003 Calendar Year

02226582 SATILLA RIVER AT GEORGIA HIGHWAY 121, NEAR HOBOKEN, GA (GEORGIA EPD ID 07021001)

LOCATION.--Lat 31º13'00", long 82º09'45" (referenced to North American Datum (NAD) of 1927), Brantley-Pierce County line, Hydrologic Unit 03070201, at the bridge on Georgia Highway 121, 3.0 miles northeast of Hoboken.

DRAINAGE AREA.--1,350 square miles, approximately.

ELEVATION.--52.5 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1974 to February 1994, December 1994 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
16...	1145	EST	81213	832	3.6	9.6	80	5.9	6.2	92	94	14.9	8.0
21...	1530	EST	81213	512	--	10.3	88	6.0	6.2	96	99	19.9	8.3
27...	1535	EST	81213	362	--	10.4	85	6.3	6.4	109	108	8.3	7.2
FEB													
04...	1420	EST	81213	316	3.2	8.9	84	6.3	6.5	108	111	19.9	12.8
MAR													
18...	1505	EST	81213	6130	4.3	5.1	55	5.0	5.1	54	55	24.3	18.3
APR													
07...	1520	EST	81213	1420	6.8	5.4	59	5.8	5.9	69	72	29.6	20.0
MAY													
28...	0900	EST	81213	762	6.9	5.2	62	5.5	6.1	86	85	22.3	24.1
JUN													
02...	1415	EST	81213	278	--	4.7	57	6.0	6.8	94	101	30.5	25.9
09...	1330	EST	81213	2000	--	4.9	59	4.5	4.6	49	54	35.5	24.5
16...	1415	EST	81213	2410	9.2	4.6	57	5.2	5.6	55	53	35.2	26.2
JUL													
14...	1440	EST	81213	1760	6.7	4.7	57	5.4	6.1	57	61	30.0	26.6
28...	1315	EST	81213	1100	--	5.1	63	5.2	5.2	55	62	31.8	26.4
AUG													
04...	1200	EST	81213	2820	--	4.8	58	5.2	5.5	47	54	28.8	25.5
11...	1430	EST	81213	5160	5.2	4.2	52	5.0	5.3	47	53	29.9	25.8
SEP													
22...	1420	EST	81213	664	11	3.7	45	5.6	6.4	79	86	31.6	25.1
OCT													
27...	1510	EST	81213	155	5.3	5.8	67	6.2	6.9	141	147	23.4	21.8
NOV													
17...	1515	EST	81213	1030	4.0	6.5	65	5.7	6.4	79	86	27.5	16.2
DEC													
01...	1330	EST	81213	463	--	8.5	78	6.1	6.4	92	97	17.5	11.4
09...	0915	EST	81213	426	--	9.3	81	6.0	6.4	93	97	6.5	9.4
15...	1530	EST	81213	822	11	9.1	82	6.1	6.0	65	78	11.9	11.2

02226582 SATILLA RIVER AT GEORGIA HIGHWAY 121, NEAR HOBOKEN, GA--Continued (GEORGIA EPD ID 07021001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
16...	9	2	.05	.120	.09	24.0	1.2	50
21...	--	--	--	--	--	--	--	<20
27...	--	--	--	--	--	--	--	50
FEB								
04...	10	2	.08	.200	.08	17.0	.6	<20
MAR								
18...	4	<1	.04	<.020	.06	37.0	.5	--
APR								
07...	9	8	.25	.080	.16	36.0	E1.8	--
MAY								
28...	10	4	.15	.120	.18	29.0	1.5	50
JUN								
02...	--	--	--	--	--	--	--	20
09...	--	--	--	--	--	--	--	70
16...	6	6	.07	.080	.14	30.0	1.1	220
JUL								
14...	8	6	.10	.060	.12	26.0	1.0	80
28...	--	--	--	--	--	--	--	40
AUG								
04...	--	--	--	--	--	--	--	130
11...	5	3	.02	<.020	.06	33.0	1.4	20
SEP								
22...	11	23	.14	.110	.14	25.0	1.3	--
OCT								
27...	19	1	.11	.380	.13	20.0	.9	--
NOV								
17...	11	2	.10	.040	.10	27.0	.9	80
DEC								
01...	--	--	--	--	--	--	--	20
09...	--	--	--	--	--	--	--	20
15...	6	7	.04	.120	.08	19.0	<.1	4600

Remark codes used in this report:
< -- Less than
E -- Estimated value

02226582 SATILLA RIVER AT GEORGIA HIGHWAY 121, NEAR HOBOKEN, GA--Continued (GEORGIA EPD ID 07021001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
FEB													
04...	1420	EST	81213	316	8.9	84	6.3	6.5	108	111	19.9	12.8	4.40
MAR													
18...	1505	EST	81213	6130	5.1	55	5.0	5.1	54	55	24.3	18.3	2.70

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
FEB												
04...	2.70	<1	<4	<.5	<1	<2	.5	<.1	<1	<4	<2	6
MAR												
18...	1.50	<1	<4	<.5	<1	<2	1.4	<.1	<1	<4	<2	12

Remark codes used in this report:
< -- Less than

SATILLA RIVER BASIN
2003 Calendar Year

02227015 HURRICANE CREEK AT COUNTY ROAD 331, NEAR ALMA, GA (GEORGIA EPD ID 07022301)

LOCATION.--Lat 31°27'36'', long 82°22'36'' (referenced to North American Datum (NAD) of 1927), Bacon County, Hydrologic Unit 03070201, at the bridge on County Road 331, 9.0 miles downstream from confluence with Bear Branch, and 8.9 miles southeast of Alma.

ELEVATION.--130 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to August 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
13...	1415	EST	81213	143	4.5	10.1	83	5.5	5.6	105	105	8.5	7.1
21...	1310	EST	81213	83	--	10.6	88	5.7	5.9	124	127	21.5	7.6
27...	1320	EST	81213	110	--	11.8	89	6.0	6.0	127	126	7.0	4.3
FEB													
04...	1235	EST	81213	83	17	8.1	76	5.8	6.0	136	137	19.7	12.7
MAR													
18...	1320	EST	81213	>600	8.4	6.4	68	5.6	5.6	58	59	24.7	17.4
APR													
07...	1310	EST	81213	118	7.1	5.1	57	5.6	5.7	83	86	28.6	21.2
MAY													
19...	1315	EST	81213	31	7.0	4.1	48	5.7	6.2	218	223	24.1	23.1
JUN													
02...	1245	EST	81213	26	--	4.3	51	5.8	6.0	134	137	29.5	23.3
09...	1215	EST	81213	181	--	5.4	65	5.6	6.1	120	127	32.4	24.3
16...	1200	EST	81213	211	6.3	5.0	61	5.5	5.9	82	82	31.2	25.5
JUL													
14...	1245	EST	81213	108	5.2	4.8	56	5.3	5.9	72	77	30.5	24.8
28...	1115	EST	81213	277	--	5.0	61	5.4	5.7	62	67	35.4	25.4
AUG													
04...	1050	EST	81213	125	--	4.7	56	5.6	5.9	83	89	27.3	24.1
11...	1215	EST	81213	>600	4.4	5.1	61	4.9	5.4	55	59	30.8	24.7
SEP													
22...	1205	EST	81213	40	9.5	3.8	46	5.3	5.8	112	121	28.6	24.1
OCT													
27...	1255	EST	81213	22	6.9	4.5	51	5.8	6.5	253	251	22.3	20.3
NOV													
17...	1300	EST	81213	64	3.1	7.2	70	5.5	6.0	109	115	28.0	14.7
DEC													
01...	1130	EST	81213	70	--	9.6	79	5.9	6.1	135	139	16.2	7.4
09...	1020	EST	81213	46	--	9.8	80	6.0	6.2	146	149	11.6	6.9
15...	1320	EST	81213	112	26	9.1	78	5.9	6.2	112	116	12.0	8.5

02227015 HURRICANE CREEK AT COUNTY ROAD 331, NEAR ALMA, GA--Continued (GEORGIA EPD ID 07022301)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
13...	4	1	.02	<.020	.07	24.0	3.6	110
21...	--	--	--	--	--	--	--	230
27...	--	--	--	--	--	--	--	110
FEB								
04...	6	81	.02	<.020	.21	23.0	1.0	110
MAR								
18...	5	6	.06	.060	.10	29.0	.5	--
APR								
07...	7	8	.13	.060	.18	32.0	E1.6	--
MAY								
19...	10	3	.08	.030	.33	33.0	1.0	130
JUN								
02...	--	--	--	--	--	--	--	40
09...	--	--	--	--	--	--	--	490
16...	7	7	.14	<.020	.20	29.0	1.0	1300
JUL								
14...	6	5	.04	.020	.15	26.0	.8	70
28...	--	--	--	--	--	--	--	330
AUG								
04...	--	--	--	--	--	--	--	1700
11...	5	3	.02	<.020	.08	34.0	1.1	210
SEP								
22...	7	19	.04	<.020	.14	35.0	1.4	--
OCT								
27...	14	9	.03	<.020	.18	30.0	2.2	--
NOV								
17...	7	1	.04	<.020	.09	26.0	.6	330
DEC								
01...	--	--	--	--	--	--	--	460
09...	--	--	--	--	--	--	--	220
15...	7	30	.03	.040	.13	17.0	.7	460

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value

02227015 HURRICANE CREEK AT COUNTY ROAD 331, NEAR ALMA, GA--Continued (GEORGIA EPD ID 07022301)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Calcium water unfltrd recover-able, mg/L (00916)
FEB													
04...	1235	EST	81213	83	8.1	76	5.8	6.0	136	137	19.7	12.7	3.00
MAR													
18...	1320	EST	81213	>600	6.4	68	5.6	5.6	58	59	24.7	17.4	2.30

Date	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Anti-mony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mercury water, unfltrd recover-able, ug/L (71900)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Thall-ium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recover-able, ug/L (01092)
FEB												
04...	2.20	<1	<4	<.5	<1	<2	1.8	<.1	<1	<4	<2	8
MAR												
18...	1.50	<1	<4	<.5	<1	<2	1.3	<.1	<1	<4	<2	11

Remark codes used in this report:
< -- Less than
> -- Greater than

SATILLA RIVER BASIN
2003 Calendar Year

02227239 LITTLE HURRICANE CREEK AT COUNTY ROAD 220, NEAR BLACKSHEAR, GA (GEORGIA EPD ID 07022951)

LOCATION.--Lat 31°23'41'', long 82°20'37'' (referenced to North American Datum (NAD) of 1929), Pierce County, Hydrologic Unit 03070201, at the bridge on County Road 220, 2.1 miles upstream from confluence with Alabaha River, and 9.0 miles northwest of Blackshear.

ELEVATION.--106 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
13...	1530	EST	81213	53	5.4	9.4	77	5.7	5.9	89	88	8.1	7.2
21...	1400	EST	81213	15	--	9.1	79	5.8	5.9	91	92	23.3	9.2
27...	1410	EST	81213	12	--	10.5	82	5.9	5.9	94	96	8.9	5.5
FEB													
04...	1325	EST	81213	7.6	3.0	6.8	66	5.8	6.1	99	101	17.7	13.6
MAR													
18...	1405	EST	81213	>360	14	6.3	67	5.8	5.7	59	59	29.4	17.5
APR													
07...	1400	EST	81213	83	27	5.2	57	5.7	5.7	70	72	27.9	20.9
MAY													
19...	1410	EST	81213	<1.5	5.7	2.4	27	5.6	6.1	80	83	24.7	21.8
JUN													
02...	1315	EST	81213	<1.5	--	3.7	41	5.8	6.0	92	96	30.8	20.8
09...	1245	EST	81213	19	--	5.3	63	5.7	6.1	78	86	32.1	23.8
16...	1255	EST	81213	127	12	5.1	61	5.5	6.0	70	69	32.7	24.8
JUL													
14...	1330	EST	81213	47	23	5.5	63	5.3	5.8	55	59	29.2	24.2
28...	1200	EST	81213	343	--	5.7	69	5.3	5.6	51	57	29.9	24.9
AUG													
04...	1145	EST	81213	55	--	4.9	58	5.5	5.9	56	63	29.8	23.9
11...	1300	EST	81213	>360	7.9	5.5	66	5.2	5.7	52	57	31.6	24.5
SEP													
22...	1250	EST	81213	2.0	11	3.1	36	5.4	6.1	68	74	32.3	23.2
OCT													
27...	1345	EST	81213	<1.5	6.6	.7	8	5.8	6.5	90	97	22.8	19.7
NOV													
17...	1355	EST	81213	5.0	2.0	5.3	53	5.7	6.3	81	90	27.1	15.8
DEC													
01...	1215	EST	81213	9.7	--	8.3	69	6.0	6.2	88	93	16.0	7.6
09...	0950	EST	81213	7.1	--	8.6	70	6.0	6.3	93	97	7.6	6.4
15...	1415	EST	81213	83	5.1	8.5	74	5.9	6.3	83	86	16.3	9.2

02227239 LITTLE HURRICANE CREEK AT COUNTY ROAD 220, NEAR BLACKSHEAR, GA—Continued

(GEORGIA EPD ID 07022951)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
13...	7	3	.06	.180	.08	33.0	1.1	70
21...	--	--	--	--	--	--	--	80
27...	--	--	--	--	--	--	--	20
FEB								
04...	8	4	.24	.150	.09	26.0	1.1	<20
MAR								
18...	7	17	.10	.170	.31	35.0	1.1	--
APR								
07...	7	63	.23	.180	.28	35.0	E2.4	--
MAY								
19...	12	8	.30	.100	.33	38.0	2.0	220
JUN								
02...	--	--	--	--	--	--	--	1700
09...	--	--	--	--	--	--	--	700
16...	8	23	.06	.150	.25	34.0	1.3	490
JUL								
14...	8	62	.05	.100	.25	38.0	1.5	130
28...	--	--	--	--	--	--	--	250
AUG								
04...	--	--	--	--	--	--	--	270
11...	7	10	.03	.050	.12	36.0	1.1	330
SEP								
22...	9	36	.09	.060	.20	41.0	1.7	--
OCT								
27...	19	16	.19	<.020	.29	31.0	4.1	--
NOV								
17...	11	2	.04	.030	.10	31.0	.9	330
DEC								
01...	--	--	--	--	--	--	--	110
09...	--	--	--	--	--	--	--	50
15...	8	5	.03	.240	.06	19.0	1.0	1700

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value

02227239 LITTLE HURRICANE CREEK AT COUNTY ROAD 220, NEAR BLACKSHEAR, GA—Continued

(GEORGIA EPD ID 07022951)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
FEB													
04...	1325	EST	81213	7.6	6.8	66	5.8	6.1	99	101	17.7	13.6	3.50
MAR													
18...	1405	EST	81213	>360	6.3	67	5.8	5.7	59	59	29.4	17.5	3.10

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
FEB												
04...	2.60	<1	<4	<.5	1	<2	2.2	<.1	<1	<4	<2	11
MAR												
18...	1.80	<1	<4	<.5	1	<2	3.4	<.1	<1	<4	<2	17

Remark codes used in this report:
< -- Less than
> -- Greater than

SATILLA RIVER BASIN
2003 Calendar Year

02227392 BIG SATILLA CREEK AT COUNTY ROAD 536, NEAR BAXLEY, GA (GEORGIA EPD ID 07024051)

LOCATION.--Lat 31°45'01'', long 82°31'11'' (referenced to North American Datum (NAD) of 1927), Appling County, Hydrologic Unit 03070202, at the bridge on County Road 536, 1.7 miles downstream from confluence with Little Satilla Creek, 3.5 miles downstream from confluence with Big Branch, 5.0 miles south of Graham, and 8.7 miles west of Baxley.

ELEVATION.--180 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
13...	1145	EST	81213	13	2.5	9.8	79	5.9	6.1	89	89	8.0	6.3
21...	1025	EST	81213	7.2	--	9.3	78	5.9	6.1	89	91	14.1	7.5
27...	1045	EST	81213	12	--	10.9	82	6.1	6.1	91	91	4.3	4.0
FEB													
04...	1020	EST	81213	12	3.3	6.9	65	5.9	6.1	92	93	14.0	12.7
MAR													
18...	1115	EST	81213	>38	13	6.5	67	5.8	5.8	62	62	22.9	16.2
APR													
07...	1045	EST	81213	6.3	6.6	4.4	49	6.0	6.2	71	76	24.7	20.3
MAY													
19...	1045	EST	81213	<.50	16	.3	3	5.7	6.0	86	94	21.2	21.5
JUN													
02...	1010	EST	81213	<.50	--	.9	10	5.9	6.2	82	87	28.6	20.7
09...	1015	EST	81213	16	--	5.3	64	5.7	6.0	75	81	31.4	24.1
16...	0930	EST	81213	12	5.6	4.8	59	5.5	5.9	64	64	28.4	25.0
JUL													
14...	0945	EST	81213	2.8	5.4	4.5	52	5.6	6.2	63	68	28.1	23.5
28...	0905	EST	81213	13	--	4.9	59	5.6	5.9	56	64	28.4	24.7
AUG													
04...	0850	EST	81213	>38	--	5.8	68	5.2	5.6	40	43	24.2	23.2
11...	0945	EST	81213	>38	7.0	5.6	66	5.3	5.8	53	58	27.8	23.7
SEP													
22...	0935	EST	81213	<.50	5.8	1.2	15	5.5	6.2	69	76	27.4	22.8
OCT													
27...	1025	EST	81213	<.50	14	1.4	15	6.0	6.6	90	93	20.3	19.8
NOV													
17...	1030	EST	81213	1.4	2.0	5.4	53	5.6	6.2	77	82	17.9	14.3
DEC													
01...	0945	EST	81213	3.7	--	8.7	70	5.7	6.0	75	79	4.8	6.3
08...	0930	EST	81213	4.1	--	9.7	76	5.8	6.0	75	78	2.1	5.0
15...	1100	EST	81213	>38	5.9	9.6	80	5.8	6.0	74	78	9.0	7.5

02227392 BIG SATILLA CREEK AT COUNTY ROAD 536, NEAR BAXLEY, GA--Continued (GEORGIA EPD ID 07024051)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
13...	8	3	.04	.030	.03	31.0	2.6	20
21...	--	--	--	--	--	--	--	170
27...	--	--	--	--	--	--	--	170
FEB								
04...	8	2	.07	.030	.03	27.0	1.5	130
MAR								
18...	7	11	.03	.100	.08	32.0	.9	--
APR								
07...	11	10	.38	<.020	.12	38.0	E2.2	--
MAY								
19...	13	25	.58	<.020	.12	29.0	3.5	490
JUN								
02...	--	--	--	--	--	--	--	490
09...	--	--	--	--	--	--	--	260
16...	9	9	.09	<.020	.07	34.0	1.5	170
JUL								
14...	10	9	.10	.050	.11	35.0	1.6	170
28...	--	--	--	--	--	--	--	490
AUG								
04...	--	--	--	--	--	--	--	3500
11...	8	9	.05	.030	.12	44.0	1.4	80
SEP								
22...	13	16	.09	<.020	.12	41.0	2.4	--
OCT								
27...	27	32	.04	<.020	.22	34.0	8.8	--
NOV								
17...	10	3	.03	<.020	.05	29.0	.9	460
DEC								
01...	--	--	--	--	--	--	--	170
08...	--	--	--	--	--	--	--	490
15...	6	9	.02	<.020	.04	20.0	1.0	790

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value

02227392 BIG SATILLA CREEK AT COUNTY ROAD 536, NEAR BAXLEY, GA--Continued (GEORGIA EPD ID 07024051)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Calcium water unfltrd recover-able, mg/L (00916)
FEB													
04...	1020	EST	81213	12	6.9	65	5.9	6.1	92	93	14.0	12.7	4.10
MAR													
18...	1115	EST	81213	>38	6.5	67	5.8	5.8	62	62	22.9	16.2	3.60

Date	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Anti-mony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mercury water, unfltrd recover-able, ug/L (71900)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Thall-ium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recover-able, ug/L (01092)
FEB												
04...	2.70	<1	<4	<.5	<1	<2	.7	<.1	<1	<4	<2	11
MAR												
18...	1.80	<1	<4	<.5	1	<2	2.2	<.1	<1	<4	<2	14

Remark codes used in this report:
< -- Less than
> -- Greater than

SATILLA RIVER BASIN
2003 Calendar Year

02227417 SWEETWATER CREEK AT GEORGIA HIGHWAY 203, NEAR BAXLEY, GA (GEORGIA EPD ID 07024491)

LOCATION.--Lat 31°35'22'', long 82°15'06'' (referenced to North American Datum (NAD) of 1927), Appling County, Hydrologic Unit 03070202, at the bridge on Georgia Highway 203, 2.7 miles upstream from confluence with Big Satilla Creek, 13.0 miles downstream from confluence with Blackwater Creek, and 15.8 miles southeast of Baxley.

ELEVATION.--120 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, August 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
13...	1000	EST	81213	54	5.6	10.3	83	6.0	6.3	94	88	5.6	6.5
21...	0915	EST	81213	38	--	10.3	85	6.1	6.3	94	95	12.8	7.3
27...	0930	EST	81213	44	--	11.6	86	6.2	6.3	96	94	3.9	3.8
FEB													
04...	0850	EST	81213	37	3.7	7.5	71	6.2	6.5	103	100	16.4	12.5
MAR													
18...	1000	EST	81213	494	20	6.9	71	6.3	6.2	75	75	21.5	16.5
APR													
07...	0930	EST	81213	30	5.8	5.0	56	6.0	6.1	73	77	25.2	20.7
MAY													
19...	1205	EST	81213	<1.0	7.9	2.0	23	5.8	6.4	80	85	24.2	22.4
JUN													
02...	0900	EST	81213	3.4	--	2.7	30	5.8	6.1	75	80	25.4	21.3
09...	0900	EST	81213	<1.0	--	4.3	51	5.7	6.3	81	79	27.5	23.2
16...	0800	EST	81213	62	8.4	4.8	58	5.8	6.3	79	51	24.9	24.4
JUL													
14...	0830	EST	81213	18	8.5	4.2	50	6.1	6.7	96	100	24.7	23.8
28...	0810	EST	81213	70	--	5.0	60	5.7	6.0	71	78	25.3	24.3
AUG													
04...	0745	EST	81213	54	--	4.9	58	5.8	6.2	69	77	24.1	23.9
11...	0830	EST	81213	327	16	5.5	65	5.2	6.4	74	59	24.8	23.7
SEP													
22...	0825	EST	81213	12	4.2	3.5	41	5.5	6.2	70	79	23.2	23.4
OCT													
27...	0920	EST	81213	4.8	4.3	2.3	26	5.8	6.6	103	107	20.9	19.8
NOV													
17...	0915	EST	81213	17	2.6	6.9	67	6.0	6.6	95	100	14.0	14.1
DEC													
01...	0830	EST	81213	25	--	9.1	75	6.2	6.4	94	101	3.1	6.9
09...	1230	EST	81213	16	--	10.7	89	6.2	6.5	100	105	17.1	7.4
15...	0950	EST	81213	46	3.8	9.2	76	6.4	6.7	103	99	4.6	7.5

02227417 SWEETWATER CREEK AT GEORGIA HIGHWAY 203, NEAR BAXLEY, GA—Continued

(GEORGIA EPD ID 07024491)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
13...	9	3	.08	.220	.08	30.0	1.3	80
21...	--	--	--	--	--	--	--	20
27...	--	--	--	--	--	--	--	70
FEB								
04...	11	3	.22	.140	.10	23.0	1.2	110
MAR								
18...	10	8	.09	.620	.24	28.0	.9	--
APR								
07...	10	4	.21	.110	.18	37.0	E1.7	--
MAY								
19...	13	16	.22	.220	.15	31.0	2.0	1300
JUN								
02...	--	--	--	--	--	--	--	90
09...	--	--	--	--	--	--	--	16000
16...	11	9	.14	.390	.19	30.0	1.0	170
JUL								
14...	17	8	.24	.470	.31	24.0	1.4	330
28...	--	--	--	--	--	--	--	330
AUG								
04...	--	--	--	--	--	--	--	940
11...	12	9	.05	.440	.24	31.0	1.4	490
SEP								
22...	12	8	.08	.020	.18	37.0	1.0	--
OCT								
27...	19	11	.07	<.020	.25	30.0	2.0	--
NOV								
17...	14	2	.07	.110	.08	24.0	.9	940
DEC								
01...	--	--	--	--	--	--	--	130
09...	--	--	--	--	--	--	--	170
15...	12	3	.02	.280	.11	18.0	.7	460

Remark codes used in this report:
< -- Less than
E -- Estimated value

02227417 SWEETWATER CREEK AT GEORGIA HIGHWAY 203, NEAR BAXLEY, GA—Continued

(GEORGIA EPD ID 07024491)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Calcium water unfltrd recover-able, mg/L (00916)
FEB													
04...	0850	EST	81213	37	7.5	71	6.2	6.5	103	100	16.4	12.5	4.00
MAR													
18...	1000	EST	81213	494	6.9	71	6.3	6.2	75	75	21.5	16.5	4.00

Date	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Anti-mony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mercury water, unfltrd recover-able, ug/L (71900)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Thall-ium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recover-able, ug/L (01092)
FEB												
04...	3.00	<1	<4	<.5	<1	<2	.5	<.1	<1	<4	<2	9
MAR												
18...	2.40	<1	<4	<.5	<1	<2	1.2	<.1	<1	<4	<2	15

Remark codes used in this report:
< -- Less than

SATILLA RIVER BASIN
2003 Calendar Year

02227433 LITTLE SATILLA CREEK AT TILLMAN-ANDERSON ROAD, AT ODUM, GA (GEORGIA EPD ID 07024861)

LOCATION.--Lat 31°37'49'', long 82°01'10'' (referenced to North American Datum (NAD) of 1927), Wayne County, Hydrologic Unit 03070202, at the bridge on Tillman-Anderson Road, 7.7 miles downstream from confluence with Keene Bay Branch, 4.5 miles upstream from confluence with Dobson Mill Branch, and 1.5 miles south of Odum.

ELEVATION.--120 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
13...	0830	EST	81213	24	5.4	9.7	78	4.3	4.5	61	62	3.2	6.6
21...	0740	EST	81213	8.6	--	10.1	83	4.3	4.5	61	63	9.7	6.8
27...	0800	EST	81213	12	--	11.1	83	4.5	4.6	62	63	-.7	3.7
FEB													
04...	0730	EST	81213	5.2	6.2	7.5	70	4.4	4.7	61	63	13.3	12.2
MAR													
18...	0840	EST	81213	559	9.2	6.5	66	4.4	4.6	46	47	18.8	16.1
APR													
07...	0800	EST	81213	12	13	5.1	55	4.3	4.5	53	57	21.0	19.9
MAY													
19...	0815	EST	81213	7.5	17	4.7	53	4.4	4.6	53	55	22.2	21.7
JUN													
02...	0745	EST	81213	<1.4	--	3.4	38	4.2	4.4	65	69	17.5	20.9
09...	0740	EST	81213	55	--	5.6	66	4.0	4.6	57	63	26.8	23.2
16...	0630	EST	81213	80	12	5.1	62	4.0	4.5	52	51	23.0	24.6
JUL													
14...	0630	EST	81213	26	8.5	4.8	56	4.0	4.3	50	55	21.6	23.8
28...	0645	EST	81213	274	--	5.1	61	3.8	4.3	46	53	23.2	24.7
AUG													
04...	0640	EST	81213	44	--	4.8	58	3.9	4.3	48	53	22.9	24.2
11...	0700	EST	81213	501	5.8	5.0	60	3.9	4.4	40	45	22.0	24.0
SEP													
22...	0655	EST	81213	2.6	7.4	2.8	32	3.7	4.3	54	60	21.0	23.2
OCT													
27...	0745	EST	81213	<1.4	18	4.0	44	4.4	4.8	69	70	19.1	19.5
NOV													
17...	0740	EST	81213	1.6	5.5	5.3	52	4.1	4.6	55	61	10.1	14.3
DEC													
01...	0715	EST	81213	4.9	--	8.4	69	4.3	4.7	56	61	.1	7.0
09...	1340	EST	81213	1.6	--	9.0	75	4.5	4.8	54	61	17.2	7.8
15...	0745	EST	81213	26	9.1	8.9	74	4.1	4.8	58	62	2.0	7.6

02227433 LITTLE SATILLA CREEK AT TILLMAN-ANDERSON ROAD, AT ODUM, GA—Continued

(GEORGIA EPD ID 07024861)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
13...	<1	4	.04	.020	<.02	35.0	1.3	20
21...	--	--	--	--	--	--	--	40
27...	--	--	--	--	--	--	--	110
FEB								
04...	1	5	.09	.030	<.02	25.0	.6	50
MAR								
18...	<1	5	.02	.030	.02	32.0	.5	--
APR								
07...	<1	11	.22	<.020	.06	38.0	E1.6	--
MAY								
19...	1	17	.13	<.020	.06	37.0	1.6	1700
JUN								
02...	--	--	--	--	--	--	--	50
09...	--	--	--	--	--	--	--	460
16...	<1	20	.04	<.020	.03	33.0	1.2	460
JUL								
14...	<1	12	.10	<.020	.03	40.0	.9	220
28...	--	--	--	--	--	--	--	50
AUG								
04...	--	--	--	--	--	--	--	130
11...	<1	6	.03	<.020	.03	36.0	.9	330
SEP								
22...	<1	10	.16	<.020	.05	45.0	1.2	--
OCT								
27...	2	55	.34	<.020	.19	63.0	4.5	--
NOV								
17...	<1	8	.05	<.020	.03	29.0	.9	170
DEC								
01...	--	--	--	--	--	--	--	790
09...	--	--	--	--	--	--	--	50
15...	2	5	.02	.050	.03	21.0	.9	1300

Remark codes used in this report:
< -- Less than
E -- Estimated value

02227433 LITTLE SATILLA CREEK AT TILLMAN-ANDERSON ROAD, AT ODUM, GA—Continued

(GEORGIA EPD ID 07024861)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
FEB													
04...	0730	EST	81213	5.2	7.5	70	4.4	4.7	61	63	13.3	12.2	1.40
MAR													
18...	0840	EST	81213	559	6.5	66	4.4	4.6	46	47	18.8	16.1	1.30

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
FEB												
04...	1.20	<1	<4	<.5	<1	<2	.7	<.1	<1	<4	<2	9
MAR												
18...	.88	<1	<4	<.5	<1	<2	1.4	<.1	<1	<4	<2	20

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02314300 TATUM CREEK AT US HIGHWAY 441, NEAR HOMERVILLE, GA (GEORGIA EPD ID 09000451)

LOCATION.--Lat 30°53'47'', long 82°39'57'' (referenced to North American Datum (NAD) of 1927), Clinch County, Hydrologic Unit 03110201, at the bridge on US Highway 441, 4.4 miles downstream from Knight Island, 7.0 miles south of Midway, and approximately 11.3 miles southeast of Homerville.

DRAINAGE AREA.--48.1 square miles.

ELEVATION.--142 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to August 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
15...	1230	EST	81213	20	1.2	8.4	68	3.8	3.9	126	133	10.3	6.9
23...	1045	EST	81213	7.3	--	6.7	58	3.8	4.0	130	134	5.0	9.7
29...	1100	EST	81213	3.5	--	8.8	68	3.9	3.9	133	139	15.2	5.1
FEB													
06...	1025	EST	81213	2.0	.85	6.0	52	3.9	3.9	139	143	12.3	9.3
MAR													
20...	0915	EST	81213	>130	2.0	3.6	40	4.0	4.1	68	71	25.3	20.1
APR													
08...	1100	EST	81213	56	2.0	3.6	39	4.0	4.1	78	83	21.6	19.4
MAY													
21...	1145	EST	81213	8.2	2.9	4.0	45	3.8	4.1	70	76	23.2	20.8
JUN													
04...	1145	EST	81213	.54	--	4.4	50	4.0	4.1	74	79	24.0	22.0
11...	1005	EST	81213	41	--	3.2	38	3.8	4.0	84	91	33.9	24.0
18...	1130	EST	81213	34	2.7	3.4	40	3.9	4.1	71	72	28.8	23.5
JUL													
16...	1145	EST	81213	2.4	3.1	3.5	40	4.0	4.1	74	82	33.8	24.1
30...	0930	EST	81213	130	--	3.2	38	3.9	4.0	70	78	26.0	23.7
AUG													
06...	0915	EST	81213	42	--	3.4	41	3.8	4.0	77	82	27.3	23.8
13...	1100	EST	81213	>130	2.1	3.1	37	3.8	4.1	64	71	31.2	24.7
SEP													
24...	1105	EST	81213	.40	4.8	1.2	14	3.8	4.1	80	85	28.0	22.6
OCT													
29...	1200	EST	81213	53	8.6	5.1	54	3.8	4.1	74	85	19.9	17.9
NOV													
19...	1215	EST	81213	12	3.4	4.8	51	3.8	4.1	83	89	19.8	18.1
DEC													
03...	1130	EST	81213	4.2	--	8.1	68	4.0	4.1	94	101	17.9	8.2
10...	1015	EST	81213	2.7	--	8.6	77	4.0	4.1	112	115	16.8	10.5
17...	1130	EST	81213	22	1.5	7.3	66	4.0	4.1	98	104	5.6	10.4

02314300 TATUM CREEK AT US HIGHWAY 441, NEAR HOMERVILLE, GA--Continued (GEORGIA EPD ID 09000451)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
15...	<1	1	.02	<.020	.02	57.0	.8	80
23...	--	--	--	--	--	--	--	<20
29...	--	--	--	--	--	--	--	<20
FEB								
06...	<1	<1	.03	<.020	<.02	57.0	.7	20
MAR								
20...	<1	<1	.02	<.020	<.02	67.0	.6	--
APR								
08...	<1	3	.05	<.020	.03	74.0	1.5	--
MAY								
21...	<1	3	.02	<.020	<.02	49.0	.9	50
JUN								
04...	--	--	--	--	--	--	--	3500
11...	--	--	--	--	--	--	--	20
18...	<1	2	.05	<.020	.02	59.0	1.1	20
JUL								
16...	<1	2	.06	<.020	.02	59.0	1.6	<20
30...	--	--	--	--	--	--	--	20
AUG								
06...	--	--	--	--	--	--	--	<20
13...	<1	4	.02	<.020	<.02	65.0	1.1	<20
SEP								
24...	<1	9	.10	<.020	.06	69.0	1.4	--
OCT								
29...	<1	11	.06	<.020	.03	40.0	2.0	--
NOV								
19...	<1	5	.02	<.020	<.02	51.0	1.3	130
DEC								
03...	--	--	--	--	--	--	--	<20
10...	--	--	--	--	--	--	--	70
17...	<1	1	.01	<.020	<.02	41.0	1.7	490

Remark codes used in this report:
< -- Less than
> -- Greater than

02314300 TATUM CREEK AT US HIGHWAY 441, NEAR HOMERVILLE, GA--Continued (GEORGIA EPD ID 09000451)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
FEB													
06...	1025	EST	81213	2.0	6.0	52	3.9	3.9	139	143	12.3	9.3	2.90
MAR													
20...	0915	EST	81213	>130	3.6	40	4.0	4.1	68	71	25.3	20.1	1.90

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
FEB												
06...	1.70	<1	<4	<.5	1	<2	.9	<.1	2	<4	<2	16
MAR												
20...	.92	<1	<4	<.5	1	<2	2.1	<.1	2	<4	<2	13

Remark codes used in this report:
< -- Less than
> -- Greater than

SUWANNEE RIVER BASIN
2003 Calendar Year

02314500 SUWANNEE RIVER AT US HIGHWAY 441, AT FARGO, GA
(GEORGIA EPD ID 09001001)

LOCATION.--Lat 30º40'50", long 82º33'38" (referenced to North American Datum (NAD) of 1927), Clinch County, Hydrologic Unit, 03110201, at the bridge on US Highway 441, 4.0 miles upstream from confluence with Suwannoochee Creek, 12.0 miles downstream from Mixons Ferry dam site, and at Fargo.

DRAINAGE AREA.--About 1,260 square miles (includes part of the Okefenokee Swamp watershed, the boundaries of which are indeterminable).

ELEVATION.--91.9 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to February 1994, December 1994 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharges for the samples collected October–December 2003 are still "provisional" as of publication date and are available upon request.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)
JAN													
15...	1400	EST	81213	522	3.0	9.9	83	3.7	3.8	102	112	15.2	8.1
23...	1200	EST	81213	365	--	9.7	86	3.6	4.0	107	113	5.3	10.4
29...	1215	EST	81213	281	--	11.3	92	3.7	3.7	106	115	15.8	6.7
FEB													
06...	1115	EST	81213	222	1.1	9.7	87	3.7	3.7	107	113	15.5	11.2
MAR													
20...	1015	EST	81213	5190	.91	3.6	40	3.8	3.9	90	92	28.7	20.1
APR													
08...	1230	EST	81213	2120	1.4	4.0	45	3.7	3.8	91	96	23.8	20.9
MAY													
21...	0855	EST	81213	945	1.8	4.7	54	3.4	3.9	74	77	21.4	22.0
JUN													
04...	1030	EST	81213	664	--	5.3	63	3.7	3.8	87	94	25.0	24.1
11...	0910	EST	81213	1530	--	3.7	45	3.6	3.8	87	91	32.2	25.7
18...	1245	EST	81213	2210	1.0	3.4	43	3.6	3.8	92	90	29.6	25.9
JUL													
16...	1300	EST	81213	441	2.3	2.6	31	3.8	3.8	94	99	34.6	27.3
30...	1030	EST	81213	274	--	4.9	62	3.7	3.8	95	100	30.0	27.0
AUG													
06...	1030	EST	81213	409	--	5.0	62	3.6	3.8	95	100	30.1	25.9
13...	1215	EST	81213	778	1.8	4.6	56	3.6	3.8	92	98	33.1	26.1
SEP													
24...	1220	EST	81213	341	2.8	5.0	61	3.5	3.8	97	103	32.3	25.6
OCT													
29...	1330	EST	81213	--	3.9	6.4	71	3.6	3.9	84	91	24.0	20.0
NOV													
19...	1345	EST	81213	--	1.3	6.8	74	3.5	3.9	94	100	23.4	18.9
DEC													
03...	1225	EST	81213	--	--	9.2	82	3.7	3.8	92	100	19.7	10.4
10...	0930	EST	81213	--	--	9.5	87	3.7	3.8	92	96	16.0	10.9
17...	1010	EST	81213	--	.99	9.1	84	3.6	3.9	91	98	6.4	11.3

02314500 SUWANNEE RIVER AT US HIGHWAY 441, AT FARGO, GA--Continued (GEORGIA EPD ID 09001001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
15...	<1	4	.02	<.020	<.02	63.0	.8	20
23...	--	--	--	--	--	--	--	<20
29...	--	--	--	--	--	--	--	80
FEB								
06...	<1	<1	.02	<.020	<.02	56.0	.6	<20
MAR								
20...	<1	<1	.13	<.020	<.02	70.0	.6	--
APR								
08...	<1	<1	.08	<.020	.03	75.0	1.2	--
MAY								
21...	<1	3	.07	<.020	<.02	53.0	.9	50
JUN								
04...	--	--	--	--	--	--	--	80
11...	--	--	--	--	--	--	--	<20
18...	<1	1	.14	<.020	.02	82.0	.8	<20
JUL								
16...	<1	2	.39	<.020	.02	73.0	1.5	<20
30...	--	--	--	--	--	--	--	<20
AUG								
06...	--	--	--	--	--	--	--	<20
13...	<1	5	.25	<.020	<.02	66.0	1.1	20
SEP								
24...	<1	11	.32	<.020	.03	76.0	1.3	--
OCT								
29...	<1	6	.05	<.020	.03	55.0	2.0	--
NOV								
19...	<1	2	.05	<.020	<.02	58.0	1.0	130
DEC								
03...	--	--	--	--	--	--	--	<20
10...	--	--	--	--	--	--	--	<20
17...	<1	1	.04	<.020	<.02	52.0	1.5	20

Remark codes used in this report:
< -- Less than

02314500 SUWANNEE RIVER AT US HIGHWAY 441, AT FARGO, GA--Continued (GEORGIA EPD ID 09001001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
FEB													
06...	1115	EST	81213	222	9.7	87	3.7	3.7	107	113	15.5	11.2	.85
MAR													
20...	1015	EST	81213	5190	3.6	40	3.8	3.9	90	92	28.7	20.1	1.80

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
FEB												
06...	.68	<1	<4	<.5	<1	<2	.5	<.1	<1	<4	<2	<2
MAR												
20...	1.10	<1	<4	<.5	<1	<2	.8	<.1	<1	<4	<2	5

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02314600 SUWANNOOCHEE CREEK AT US HIGHWAY 84, AT DUPONT, GA (GEORGIA EPD ID 09001201)

LOCATION.--Lat 30°59'09'', long 82°52'50'' (referenced to North American Datum (NAD) of 1927), Clinch County, Hydrologic Unit 03070204, at the bridge on US Highway 84, 2.1 miles downstream from confluence with Fish Branch, 7.4 miles northeast of Stockton, and 0.1 mile southwest of Dupont.

DRAINAGE AREA.--143 square miles.

ELEVATION.--169.65 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, February 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
15...	1110	EST	81213	25	5.2	6.7	53	3.8	3.9	122	130	9.1	6.3
23...	0935	EST	81213	13	--	5.6	49	3.7	3.9	120	126	3.7	9.5
29...	0950	EST	81213	7.9	--	7.5	57	3.8	3.9	117	125	8.8	4.4
FEB													
06...	0935	EST	81213	5.1	1.6	5.2	45	3.8	3.9	114	119	12.4	9.4
MAR													
20...	0830	EST	81213	>150	1.0	1.7	19	4.0	4.1	65	67	23.9	20.4
APR													
08...	0940	EST	81213	>150	1.6	1.7	19	4.0	4.1	66	75	20.0	20.3
MAY													
21...	1315	EST	81213	21	1.4	2.3	27	3.9	4.2	67	69	23.7	21.5
JUN													
04...	1240	EST	81213	12	--	2.6	29	4.0	4.1	72	77	26.2	21.9
10...	1315	EST	81213	21	--	2.0	24	4.0	4.1	66	72	35.4	24.2
18...	1015	EST	81213	>150	18	2.3	27	3.8	4.2	55	56	27.2	23.6
JUL													
16...	1025	EST	81213	19	1.7	1.8	21	3.9	4.3	62	72	28.9	24.0
30...	0815	EST	81213	41	--	2.0	24	3.9	4.1	61	68	24.5	23.5
AUG													
06...	0820	EST	81213	56	--	1.9	23	3.9	4.1	60	69	25.1	23.8
13...	0950	EST	81213	>150	2.1	1.5	18	3.8	4.1	58	66	27.0	25.0
SEP													
24...	1000	EST	81213	29	7.1	1.5	18	3.8	4.2	63	69	25.5	22.3
OCT													
29...	1040	EST	81213	43	5.2	2.7	28	3.9	4.2	62	67	16.5	17.4
NOV													
19...	1055	EST	81213	84	2.9	2.8	30	3.8	4.2	66	74	19.0	17.8
DEC													
03...	1020	EST	81213	39	--	4.7	40	3.9	4.1	69	77	13.3	8.6
10...	1105	EST	81213	27	--	6.0	54	4.0	4.1	70	73	17.7	10.4
17...	1550	EST	81213	77	1.8	4.6	42	3.8	4.1	67	74	7.2	10.1

02314600 SUWANNOOCHEE CREEK AT US HIGHWAY 84, AT DUPONT, GA--Continued (GEORGIA EPD ID 09001201)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
15...	<1	6	.29	<.020	.02	60.0	1.5	50
23...	--	--	--	--	--	--	--	<20
29...	--	--	--	--	--	--	--	50
FEB								
06...	<1	<1	.07	<.020	<.02	51.0	1.1	<20
MAR								
20...	<1	<1	.04	<.020	<.02	67.0	.8	--
APR								
08...	<1	4	.13	<.020	.03	78.0	2.0	--
MAY								
21...	<1	1	.39	.040	<.02	66.0	1.2	20
JUN								
04...	--	--	--	--	--	--	--	50
10...	--	--	--	--	--	--	--	170
18...	<1	16	.13	<.020	.04	54.0	2.0	70
JUL								
16...	<1	3	.45	<.020	.04	68.0	1.8	<20
30...	--	--	--	--	--	--	--	50
AUG								
06...	--	--	--	--	--	--	--	20
13...	<1	6	.09	<.020	<.02	67.0	1.7	60
SEP								
24...	<1	14	.30	<.020	.04	68.0	1.4	--
OCT								
29...	<1	4	.04	<.020	.04	49.0	2.8	--
NOV								
19...	<1	6	.07	<.020	.02	55.0	1.0	20
DEC								
03...	--	--	--	--	--	--	--	110
10...	--	--	--	--	--	--	--	20
17...	<1	3	.04	<.020	.02	48.0	1.5	<20

Remark codes used in this report:
< -- Less than
> -- Greater than

02314600 SUWANNOOCHEE CREEK AT US HIGHWAY 84, AT DUPONT, GA--Continued (GEORGIA EPD ID 09001201)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
FEB													
06...	0935	EST	81213	5.1	5.2	45	3.8	3.9	114	119	12.4	9.4	1.90
MAR													
20...	0830	EST	81213	>150	1.7	19	4.0	4.1	65	67	23.9	20.4	1.90

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
FEB												
06...	1.60	<1	<4	<.5	1	<2	.6	<.1	1	<4	<2	9
MAR												
20...	1.10	<1	<4	<.5	<1	<2	1.3	<.1	2	<4	<2	10

Remark codes used in this report:
< -- Less than
> -- Greater than

SUWANNEE RIVER BASIN
2003 Calendar Year

02314780 SUWANNOOCHEE CREEK AT GEORGIA HIGHWAY 94, NEAR FARGO, GA (GEORGIA EPD ID 09001601)

LOCATION.--Lat 30°40'59'', long 82°34'59'' (referenced to North American Datum (NAD) of 1927), Clinch-Echols County line, Hydrologic Unit 03110201, at the bridge on Georgia Highway 94, 2.1 miles upstream from confluence with Suwannee River, and 0.3 mile west of Fargo.

DRAINAGE AREA.--450 square miles.

ELEVATION.--105 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to July 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
15...	1540	EST	81213	146	.98	10.2	83	3.7	3.8	106	113	14.5	7.3
23...	1235	EST	81213	92	--	9.1	79	3.7	3.8	106	112	8.1	9.6
29...	1245	EST	81213	63	--	11.3	88	3.8	3.8	107	115	19.6	5.4
FEB													
06...	1150	EST	81213	41	.81	9.2	80	3.8	3.8	108	113	15.4	9.6
MAR													
20...	1110	EST	81213	>620	.92	4.7	52	3.8	3.9	73	75	29.1	19.9
APR													
08...	1345	EST	81213	568	1.2	4.6	50	3.8	3.9	75	83	23.2	19.4
MAY													
21...	0750	EST	81213	36	1.7	1.4	16	3.6	3.9	84	88	21.6	21.1
JUN													
04...	0940	EST	81213	12	--	4.2	49	3.8	3.9	82	89	23.3	23.4
11...	0720	EST	81213	45	--	5.0	59	3.5	3.8	84	88	26.6	24.0
18...	1350	EST	81213	257	1.5	4.6	54	3.7	3.9	78	76	28.8	23.8
JUL													
16...	1415	EST	81213	213	1.8	4.0	47	3.7	3.9	72	78	37.1	24.5
30...	1115	EST	81213	141	--	4.8	56	3.7	3.8	75	80	32.1	23.9
AUG													
06...	1110	EST	81213	240	--	4.7	56	3.6	3.8	77	82	32.0	24.0
13...	1330	EST	81213	371	1.3	4.5	53	3.6	3.8	79	84	32.3	24.5
SEP													
24...	1325	EST	81213	77	2.0	4.7	55	3.5	3.8	80	85	31.4	23.1
OCT													
29...	1435	EST	81213	99	5.4	5.5	59	3.7	4.0	67	74	24.9	18.7
NOV													
19...	1445	EST	81213	233	2.2	6.3	67	3.5	3.9	77	82	23.2	17.6
DEC													
03...	1315	EST	81213	115	--	9.0	77	3.7	3.9	75	83	18.7	8.7
10...	0905	EST	81213	74	--	10.4	92	3.8	3.9	75	78	16.0	9.5
17...	0830	EST	81213	83	1.9	8.2	74	3.7	4.0	72	80	7.1	10.5

02314780 SUWANNOOCHEE CREEK AT GEORGIA HIGHWAY 94, NEAR FARGO, GA--Continued
(GEORGIA EPD ID 09001601)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
15...	<1	<1	.01	<.020	<.02	63.0	.8	<20
23...	--	--	--	--	--	--	--	<20
29...	--	--	--	--	--	--	--	<20
FEB								
06...	<1	<1	.02	<.020	<.02	52.0	.7	<20
MAR								
20...	<1	<1	.02	<.020	<.02	64.0	.6	--
APR								
08...	<1	<1	.06	<.020	.03	75.0	1.3	--
MAY								
21...	<1	3	.06	<.020	<.02	75.0	1.1	<20
JUN								
04...	--	--	--	--	--	--	--	170
11...	--	--	--	--	--	--	--	20
18...	<1	3	.04	<.020	.03	72.0	1.3	20
JUL								
16...	<1	7	.02	<.020	.02	58.0	1.4	<20
30...	--	--	--	--	--	--	--	130
AUG								
06...	--	--	--	--	--	--	--	<20
13...	<1	3	.02	<.020	<.02	65.0	.9	<20
SEP								
24...	<1	5	.05	<.020	.04	67.0	1.0	--
OCT								
29...	<1	10	.02	<.020	.04	49.0	1.9	--
NOV								
19...	<1	5	.03	<.020	<.02	55.0	1.2	50
DEC								
03...	--	--	--	--	--	--	--	<20
10...	--	--	--	--	--	--	--	<20
17...	<1	2	.04	<.020	.03	49.0	1.8	20

Remark codes used in this report:
< -- Less than
> -- Greater than

02314780 SUWANNOOCHEE CREEK AT GEORGIA HIGHWAY 94, NEAR FARGO, GA--Continued
(GEORGIA EPD ID 09001601)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recover-able, mg/L (00916)
FEB													
06...	1150	EST	81213	41	9.2	80	3.8	3.8	108	113	15.4	9.6	1.60
MAR													
20...	1110	EST	81213	>620	4.7	52	3.8	3.9	73	75	29.1	19.9	1.40

Date	Magnesium, water, unfltrd recover-able, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mercury water, unfltrd recover-able, ug/L (71900)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recover-able, ug/L (01092)
FEB												
06...	1.30	<1	<4	<.5	<1	<2	.8	<.1	<1	<4	<2	6
MAR												
20...	.81	<1	<4	<.5	<1	<2	1.4	<.1	<1	<4	<2	6

Remark codes used in this report:
< -- Less than
> -- Greater than

SUWANNEE RIVER BASIN
2003 Calendar Year

02314832 TOMS CREEK AT WOODPECKER ROUTE, NEAR NEEDMORE, GA (GEORGIA EPD ID 09001501)

LOCATION.--Lat 30°36'19'', long 82°42'16'' (referenced to North American Datum (NAD) of 1927), Echols County, Hydrologic Unit 03110201, at the bridge on Woodpecker Route (County Road 36), 1.1 miles upstream from confluence with Suwannee River, and 6.4 miles south of Needmore.

ELEVATION.--95 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to July 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
16...	0930	EST	81213	12	2.2	9.1	74	4.0	4.2	90	97	7.2	6.9
23...	1330	EST	81213	9.4	--	8.2	71	4.3	4.4	91	92	5.9	9.5
29...	1350	EST	81213	7.2	--	8.8	70	4.7	4.8	90	90	19.4	6.2
FEB													
06...	1230	EST	81213	5.9	1.7	5.9	52	5.1	5.2	92	93	13.8	10.6
MAR													
20...	1200	EST	81213	>170	.89	4.8	52	3.9	4.0	72	73	28.1	20.3
APR													
08...	1455	EST	81213	>170	1.7	5.4	58	3.8	3.9	84	88	22.5	19.1
MAY													
21...	1005	EST	81213	11	2.6	4.0	45	3.8	4.2	71	74	21.1	21.1
JUN													
04...	0845	EST	81213	19	--	2.6	30	5.2	5.5	60	67	22.1	22.3
11...	0820	EST	81213	39	--	4.7	56	3.8	4.0	75	80	29.5	24.3
18...	1500	EST	81213	56	2.5	5.0	60	3.3	3.9	81	81	28.5	23.8
JUL													
16...	1530	EST	81213	55	2.5	4.2	49	3.6	3.8	88	93	34.4	24.6
30...	1200	EST	81213	90	--	4.9	59	3.7	3.8	79	83	31.3	24.2
AUG													
06...	1200	EST	81213	80	--	4.9	59	3.6	3.8	79	86	28.9	24.3
13...	1430	EST	81213	122	2.0	5.1	61	3.6	3.8	77	90	31.1	24.6
SEP													
24...	1425	EST	81213	7.0	1.9	3.4	40	3.6	3.9	80	85	30.4	23.4
OCT													
29...	1530	EST	81213	148	5.9	6.1	66	3.9	4.2	64	70	22.4	19.0
NOV													
19...	1550	EST	81213	29	1.2	6.3	67	3.6	3.9	82	88	22.6	17.4
DEC													
02...	1445	EST	81213	27	--	9.0	79	3.7	3.9	81	89	19.7	9.8
10...	0830	EST	81213	23	--	10.4	91	3.8	3.9	82	85	16.2	9.3
17...	0920	EST	81213	39	.90	8.3	75	3.8	4.0	78	84	6.5	10.6

02314832 TOMS CREEK AT WOODPECKER ROUTE, NEAR NEEDMORE, GA—Continued (GEORGIA EPD ID 09001501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
16...	<1	1	.02	<.020	.07	70.0	.8	<20
23...	--	--	--	--	--	--	--	<20
29...	--	--	--	--	--	--	--	<20
FEB								
06...	6	<1	.02	<.020	.12	57.0	1.0	70
MAR								
20...	<1	<1	.02	<.020	.03	75.0	.5	--
APR								
08...	<1	1	.04	<.020	.06	88.0	1.4	--
MAY								
21...	<1	2	.09	<.020	.18	73.0	.9	20
JUN								
04...	--	--	--	--	--	--	--	330
11...	--	--	--	--	--	--	--	80
18...	<1	5	.03	<.020	.06	80.0	1.0	80
JUL								
16...	<1	2	.03	<.020	.05	77.0	1.5	<20
30...	--	--	--	--	--	--	--	130
AUG								
06...	--	--	--	--	--	--	--	<20
13...	<1	5	.02	<.020	.02	77.0	1.0	20
SEP								
24...	<1	6	.08	<.020	.14	81.0	.8	--
OCT								
29...	<1	9	.01	<.020	.08	56.0	1.8	--
NOV								
19...	<1	2	.02	<.020	.05	69.0	1.0	330
DEC								
02...	--	--	--	--	--	--	--	70
10...	--	--	--	--	--	--	--	80
17...	<1	<1	.04	<.020	.05	61.0	1.7	80

Remark codes used in this report:
< -- Less than
> -- Greater than

02314832 TOMS CREEK AT WOODPECKER ROUTE, NEAR NEEDMORE, GA—Continued (GEORGIA EPD ID 09001501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
FEB													
06...	1230	EST	81213	5.9	5.9	52	5.1	5.2	92	93	13.8	10.6	6.20
MAR													
20...	1200	EST	81213	>170	4.8	52	3.9	4.0	72	73	28.1	20.3	3.90

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
FEB												
06...	4.20	<1	<4	<.5	<1	<2	.8	<.1	<1	<4	<2	6
MAR												
20...	2.50	<1	<4	<.5	<1	<2	.9	<.1	<1	<4	<2	8

Remark codes used in this report:
< -- Less than
> -- Greater than

02315740 DOUBLE RUN CREEK AT COUNTY ROAD 250, NEAR REBECCA, GA (GEORGIA EPD ID 09002901)

LOCATION.--Lat 31°47'31'', long 83°29'22'' (referenced to North American Datum (NAD) of 1927), Turner County, Hydrologic Unit 03110202, at the bridge on County Road 250, 1.9 miles upstream from confluence with Alapaha River, 4.3 miles downstream from confluence with Kings Branch, and 0.6 mile south of Rebecca.

DRAINAGE AREA.--40.8 square miles.

ELEVATION.--300 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, March 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. For the data-collection activity at this station during 2003, if the stream was observed to have insufficient flow, observed to be pooled with no visible flow, or was found to be dry, it was not sampled. The site visit was documented and is presented in the data table coded with parameter 99903 = 9. A stream is defined as "dry" at a station if there is a complete break in the continuity of the cross-section of water perpendicular to the flow that is visible upstream and/or downstream of the cross-section to be sampled.

02315740 DOUBLE RUN CREEK AT COUNTY ROAD 250, NEAR REBECCA, GA--Continued (GEORGIA EPD ID 09002901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
13...	1215	EST	81213	23	--	12.7	102	6.3	6.9	66	58	11.1	6.0
29...	0920	EST	81213	7.5	5.9	10.5	81	6.5	6.7	69	70	9.0	4.4
FEB													
03...	1605	EST	81213	12	--	9.3	87	6.2	7.0	72	69	17.8	11.7
10...	1030	EST	81213	28	9.9	9.8	87	6.5	6.9	60	61	15.1	9.7
MAR													
24...	0810	EST	81213	63	18	6.3	63	6.2	6.9	58	60	10.3	15.5
APR													
01...	1505	EST	81213	15	--	8.9	85	6.6	7.1	64	61	29.0	13.6
08...	0730	EST	81213	12	--	5.5	59	6.5	6.5	70	74	18.4	18.7
17...	0755	EST	81213	4.7	14	6.4	68	6.7	6.7	66	70	19.3	17.4
MAY													
15...	1130	EST	81213	--	--	--	--	--	--	--	--	27.8	--
JUN													
24...	0800	EST	81213	43	16	5.1	59	5.9	6.8	68	67	20.9	22.2
JUL													
08...	1150	EST	81213	165	20	6.7	80	6.1	6.8	57	59	32.4	24.4
AUG													
19...	0845	EST	81213	44	9.2	4.1	50	6.3	7.2	70	71	25.0	24.7
SEP													
02...	0825	EST	81213	9.3	--	3.5	42	6.5	6.8	72	76	23.7	24.4
09...	0925	EST	81213	9.3	--	4.7	53	6.3	7.0	80	83	25.5	21.4
16...	1035	EST	81213	--	--	--	--	--	--	--	--	28.3	--
23...	0830	EST	81213	--	--	--	--	--	--	--	--	19.6	--
OCT													
07...	1040	EST	81213	--	--	--	--	--	--	--	--	20.4	--
14...	1105	EST	81213	--	--	--	--	--	--	--	--	25.9	--
NOV													
04...	1210	EST	81213	--	--	--	--	--	--	--	--	27.1	--
DEC													
11...	1120	EST	81213	.00	10	5.0	43	6.3	7.2	96	97	9.5	8.2

02315740 DOUBLE RUN CREEK AT COUNTY ROAD 250, NEAR REBECCA, GA--Continued (GEORGIA EPD ID 09002901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Dist-rict special 99903 (99903)
JAN									
13...	--	--	--	--	--	--	--	170	--
29...	9	<1	.06	.110	<.02	9.6	.8	80	--
FEB									
03...	--	--	--	--	--	--	--	80	--
10...	8	4	.04	.060	<.02	16.0	1.3	490	--
MAR									
24...	12	8	.13	.050	.02	17.0	1.2	20	--
APR									
01...	--	--	--	--	--	--	--	50	--
08...	--	--	--	--	--	--	--	490	--
17...	16	6	.20	.030	.03	14.0	1.2	790	--
MAY									
15...	--	--	--	--	--	--	--	--	9.0
JUN									
24...	16	5	.11	.040	.03	15.0	.9	--	--
JUL									
08...	13	9	.06	.070	.03	16.0	1.5	--	--
AUG									
19...	19	5	.11	.030	<.02	16.0	1.0	140	--
SEP									
02...	--	--	--	--	--	--	--	170	--
09...	--	--	--	--	--	--	--	80	--
16...	--	--	--	--	--	--	--	--	9.0
23...	--	--	--	--	--	--	--	--	9.0
OCT									
07...	--	--	--	--	--	--	--	--	9.0
14...	--	--	--	--	--	--	--	--	9.0
NOV									
04...	--	--	--	--	--	--	--	--	9.0
DEC									
11...	27	5	.04	<.020	.03	17.0	.8	--	--

Remark codes used in this report:
< -- Less than

02315740 DOUBLE RUN CREEK AT COUNTY ROAD 250, NEAR REBECCA, GA--Continued (GEORGIA EPD ID 09002901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
29...	0920	EST	81213	7.5	10.5	81	6.5	6.7	69	70	9.0	4.4	4.20
APR													
17...	0755	EST	81213	4.7	6.4	68	6.7	6.7	66	70	19.3	17.4	5.10

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
29...	2.20	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	3
APR												
17...	2.60	<1	<4	<.5	1	<2	1.2	<.1	<1	<4	<2	3

Remark codes used in this report:
< -- Less than

02315850 WEST FORK DEEP CREEK AT GEORGIA HIGHWAY 159, NEAR AMBOY, GA (GEORGIA EPD ID 09004001)

LOCATION.--Lat 31°46'11'', long 83°39'17'' (referenced to North American Datum (NAD) of 1927), Turner County, Hydrologic Unit 03110202, at the bridge on Georgia Highway 159, 10.0 miles southeast of Arabi, and 2.7 miles southwest of Amboy.

ELEVATION.--310 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, March 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. For the data-collection activity at this station during 2003, if the stream was observed to have insufficient flow, observed to be pooled with no visible flow, or was found to be dry, it was not sampled. The site visit was documented and is presented in the data table coded with parameter 99903 = 9. A stream is defined as "dry" at a station if there is a complete break in the continuity of the cross-section of water perpendicular to the flow that is visible upstream and/or downstream of the cross-section to be sampled.

02315850 WEST FORK DEEP CREEK AT GEORGIA HIGHWAY 159, NEAR AMBOY, GA--Continued
(GEORGIA EPD ID 09004001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
13...	1140	EST	81213	20	--	12.5	101	6.3	6.8	75	67	6.2	6.2
29...	0820	EST	81213	11	5.7	9.9	77	6.4	6.7	74	75	6.3	4.8
FEB													
03...	1535	EST	81213	12	--	9.7	92	6.5	6.7	77	74	20.1	12.7
10...	0950	EST	81213	18	8.2	9.1	81	6.5	7.0	72	70	13.9	9.8
MAR													
24...	0735	EST	81213	91	20	5.4	54	6.2	6.8	61	62	8.0	16.0
APR													
01...	1435	EST	81213	18	--	9.8	98	6.4	6.8	69	65	23.0	15.4
08...	0645	EST	81213	43	--	5.2	56	6.4	6.4	71	73	18.1	18.8
17...	0700	EST	81213	17	33	5.4	58	6.7	6.8	68	73	17.2	18.0
MAY													
15...	1155	EST	81213	5.4	14	4.0	45	6.3	7.0	86	89	27.2	20.3
JUN													
24...	0715	EST	81213	13	15	4.3	49	5.9	6.8	71	71	20.5	22.3
JUL													
08...	1115	EST	81213	246	33	6.0	72	5.9	6.6	57	58	29.7	24.8
AUG													
19...	0800	EST	81213	8.1	7.4	2.5	31	6.5	7.1	88	91	22.7	24.7
SEP													
02...	0745	EST	81213	2.9	--	.7	8	6.5	6.9	120	124	23.5	25.1
09...	0850	EST	81213	8.9	--	4.5	51	6.1	7.6	79	82	24.0	21.6
16...	0955	EST	81213	1.7	9.9	1.2	13	6.3	6.8	94	101	24.1	22.1
23...	0800	EST	81213	1.8	--	1.4	15	6.3	6.6	106	120	20.4	21.3
OCT													
07...	1110	EST	81213	--	--	--	--	--	--	--	--	21.6	--
14...	1045	EST	81213	--	--	--	--	--	--	--	--	26.4	--
NOV													
04...	1155	EST	81213	--	--	--	--	--	--	--	--	24.9	--
DEC													
11...	1035	EST	81213	1.7	9.0	4.5	38	5.9	6.8	93	95	10.9	8.2

02315850 WEST FORK DEEP CREEK AT GEORGIA HIGHWAY 159, NEAR AMBOY, GA--Continued
(GEORGIA EPD ID 09004001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Dist-rict special 99903 (99903)
JAN									
13...	--	--	--	--	--	--	--	50	--
29...	9	2	.06	.320	<.02	9.3	.7	50	--
FEB									
03...	--	--	--	--	--	--	--	80	--
10...	9	2	.08	.200	<.02	9.5	1.1	330	--
MAR									
24...	13	8	.16	.100	.03	16.0	1.2	20	--
APR									
01...	--	--	--	--	--	--	--	130	--
08...	--	--	--	--	--	--	--	790	--
17...	15	47	.23	.140	.12	12.0	1.3	110	--
MAY									
15...	22	10	.25	.080	.04	17.0	1.5	--	--
JUN									
24...	16	2	.09	.070	.04	14.0	1.0	--	--
JUL									
08...	10	12	.03	.060	.04	14.0	2.0	--	--
AUG									
19...	25	3	.15	.080	<.02	13.0	.8	460	--
SEP									
02...	--	--	--	--	--	--	--	230	--
09...	--	--	--	--	--	--	--	230	--
16...	30	15	.24	<.020	.06	15.0	1.6	<20	--
23...	--	--	--	--	--	--	--	170	--
OCT									
07...	--	--	--	--	--	--	--	--	9.0
14...	--	--	--	--	--	--	--	--	9.0
NOV									
04...	--	--	--	--	--	--	--	--	9.0
DEC									
11...	19	2	.07	<.020	.03	12.0	.4	--	--

Remark codes used in this report:
< -- Less than

02315850 WEST FORK DEEP CREEK AT GEORGIA HIGHWAY 159, NEAR AMBOY, GA--Continued (GEORGIA EPD ID 09004001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
29...	0820	EST	81213	11	9.9	77	6.4	6.7	74	75	6.3	4.8	4.70
APR													
17...	0700	EST	81213	17	5.4	58	6.7	6.8	68	73	17.2	18.0	5.60

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
29...	2.30	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	2
APR												
17...	2.60	<1	<4	<.5	1	3	4.8	<.1	<1	<4	<2	6

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02315905 DEEP CREEK AT COUNTY ROAD 250, NEAR REBECCA, GA (GEORGIA EPD ID 09004201)

LOCATION.--Lat 31°43'56'', long 83°30'21'' (referenced to North American Datum (NAD) of 1927), Turner County, Hydrologic Unit 03110202, at the bridge on County Road 250, 2.5 miles downstream from confluence with Wolf Creek, and 5.1 miles southwest of Rebecca.

ELEVATION.--380 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, March 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. For the data-collection activity at this station during 2003, if the stream was observed to have insufficient flow, observed to be pooled with no visible flow, or was found to be dry, it was not sampled. The site visit was documented and is presented in the data table coded with parameter 99903 = 9. A stream is defined as "dry" at a station if there is a complete break in the continuity of the cross-section of water perpendicular to the flow that is visible upstream and/or downstream of the cross-section to be sampled.

02315905 DEEP CREEK AT COUNTY ROAD 250, NEAR REBECCA, GA--Continued (GEORGIA EPD ID 09004201)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
13...	1235	EST	81213	99	--	13.1	106	6.3	6.8	72	64	12.6	6.3
29...	1010	EST	81213	33	4.3	11.8	91	6.6	6.7	76	78	11.4	4.7
FEB													
04...	1115	EST	81213	13	--	9.3	88	6.2	7.1	81	73	17.9	12.6
10...	1105	EST	81213	142	8.4	10.0	89	6.7	7.0	76	73	15.9	9.8
MAR													
24...	0840	EST	81213	753	19	7.2	75	6.1	6.7	58	55	14.4	17.2
APR													
01...	1530	EST	81213	132	--	9.7	94	6.5	7.1	74	69	24.9	14.6
08...	0755	EST	81213	100	--	6.1	66	6.5	6.5	75	77	18.6	19.1
17...	0830	EST	81213	134	14	7.2	76	6.6	6.8	68	73	18.7	17.9
MAY													
15...	1055	EST	81213	6.8	7.9	6.0	66	6.5	7.3	95	89	27.1	19.5
JUN													
24...	0845	EST	81213	650	34	5.6	65	5.5	6.4	53	52	21.5	23.0
JUL													
08...	1220	EST	81213	639	26	6.5	77	6.0	6.8	53	52	37.2	24.5
AUG													
19...	0930	EST	81213	28	8.2	5.3	64	6.7	7.1	77	77	26.5	24.5
SEP													
02...	0855	EST	81213	7.7	--	5.0	59	6.6	7.0	88	88	24.6	24.6
09...	0955	EST	81213	34	--	6.6	75	6.3	6.9	74	77	28.5	21.5
16...	1055	EST	81213	4.6	7.9	6.2	72	6.8	7.3	106	112	31.0	22.9
23...	0855	EST	81213	4.3	--	3.6	42	6.6	7.1	128	132	21.5	22.9
OCT													
07...	1100	EST	81213	--	--	--	--	--	--	--	--	21.4	--
14...	1115	EST	81213	--	--	--	--	--	--	--	--	33.7	--
NOV													
04...	1225	EST	81213	--	--	--	--	--	--	--	--	26.3	--
DEC													
11...	1155	EST	81213	7.0	8.6	8.6	74	6.5	7.3	130	130	11.4	8.7

02315905 DEEP CREEK AT COUNTY ROAD 250, NEAR REBECCA, GA--Continued (GEORGIA EPD ID 09004201)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Dist-rict special 99903 (99903)
JAN									
13...	--	--	--	--	--	--	--	20	--
29...	8	<1	.06	.220	<.02	11.0	.7	50	--
FEB									
04...	--	--	--	--	--	--	--	330	--
10...	10	3	.06	.190	<.02	8.7	1.5	330	--
MAR									
24...	10	7	.08	.080	.03	17.0	1.0	130	--
APR									
01...	--	--	--	--	--	--	--	20	--
08...	--	--	--	--	--	--	--	700	--
17...	14	88	.17	.150	.04	13.0	1.2	140	--
MAY									
15...	24	6	.18	.080	.04	18.0	1.2	--	--
JUN									
24...	10	8	.05	.050	.05	15.0	1.1	--	--
JUL									
08...	11	12	.04	.060	.04	15.0	1.5	--	--
AUG									
19...	20	6	.08	.100	.03	14.0	.5	50	--
SEP									
02...	--	--	--	--	--	--	--	130	--
09...	--	--	--	--	--	--	--	3300	--
16...	31	9	.06	.080	.03	12.0	.6	<20	--
23...	--	--	--	--	--	--	--	330	--
OCT									
07...	--	--	--	--	--	--	--	--	9.0
14...	--	--	--	--	--	--	--	--	9.0
NOV									
04...	--	--	--	--	--	--	--	--	9.0
DEC									
11...	28	8	.02	.040	.02	9.0	.6	--	--

Remark codes used in this report:
< -- Less than

02315905 DEEP CREEK AT COUNTY ROAD 250, NEAR REBECCA, GA--Continued (GEORGIA EPD ID 09004201)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
29...	1010	EST	81213	33	11.8	91	6.6	6.7	76	78	11.4	4.7	4.40
APR													
17...	0830	EST	81213	134	7.2	76	6.6	6.8	68	73	18.7	17.9	5.00

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
29...	2.40	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	<2
APR												
17...	2.50	<1	<4	<.5	<1	2	1.1	<.1	<1	<4	<2	6

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02315919 BIG CREEK AT CRYSTAL LAKE ROAD, NEAR IRWINVILLE, GA (GEORGIA EPD ID 09004901)

LOCATION.--Lat 31°40'19'', long 83°25'12'' (referenced to North American Datum (NAD) of 1927), Irwin County, Hydrologic Unit 03110202, at the bridge on Crystal Lake Road (County Road 258), 2.8 miles upstream from confluence with Alapaha River, 0.2 mile downstream from confluence with Hobby Creek, and 2.8 miles northwest of Irwinville.

ELEVATION.--280 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, March 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. For the data-collection activity at this station during 2003, if the stream was observed to have insufficient flow, observed to be pooled with no visible flow, or was found to be dry, it was not sampled. The site visit was documented and is presented in the data table coded with parameter 99903 = 9. A stream is defined as "dry" at a station if there is a complete break in the continuity of the cross-section of water perpendicular to the flow that is visible upstream and/or downstream of the cross-section to be sampled.

02315919 BIG CREEK AT CRYSTAL LAKE ROAD, NEAR IRWINVILLE, GA--Continued (GEORGIA EPD ID 09004901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
13...	1350	EST	81213	17	--	11.8	97	6.2	6.7	64	57	11.3	7.0
29...	1225	EST	81213	11	4.2	11.3	91	6.5	6.5	62	64	20.8	6.0
FEB													
04...	1220	EST	81213	8.4	--	9.2	87	6.2	6.7	64	62	17.8	12.8
10...	1240	EST	81213	41	8.6	9.4	87	6.3	6.5	59	56	16.9	11.3
MAR													
24...	1015	EST	81213	89	11	8.1	82	6.1	6.7	54	53	21.4	16.1
APR													
02...	1100	EST	81213	19	--	8.7	84	5.9	6.9	57	54	22.3	13.8
08...	0830	EST	81213	23	--	6.1	66	6.3	6.4	61	63	18.8	19.3
16...	1055	EST	81213	15	8.2	7.0	75	6.6	6.6	58	61	27.1	18.4
MAY													
15...	0930	EST	81213	--	--	--	--	--	--	--	--	24.4	--
JUN													
24...	1015	EST	81213	19	10	5.5	65	6.0	6.6	56	55	25.2	23.3
JUL													
08...	1355	EST	81213	59	23	6.5	79	6.0	6.6	47	49	37.1	25.3
AUG													
19...	1100	EST	81213	134	9.0	5.2	63	6.2	6.4	48	46	29.5	25.3
SEP													
02...	1020	EST	81213	6.2	--	4.3	52	6.4	6.8	67	67	27.9	25.9
09...	1150	EST	81213	14	--	6.0	69	6.3	6.5	58	62	28.2	22.5
16...	1215	EST	81213	--	--	--	--	--	--	--	--	31.2	--
23...	1015	EST	81213	--	--	--	--	--	--	--	--	22.5	--
OCT													
07...	1225	EST	81213	--	--	--	--	--	--	--	--	25.5	--
14...	1220	EST	81213	--	--	--	--	--	--	--	--	27.1	--
NOV													
04...	1335	EST	81213	--	--	--	--	--	--	--	--	29.3	--
DEC													
11...	1325	EST	81213	6.5	7.0	9.3	82	6.7	6.8	60	59	9.9	9.5

02315919 BIG CREEK AT CRYSTAL LAKE ROAD, NEAR IRWINVILLE, GA--Continued (GEORGIA EPD ID 09004901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Dist-rict special 99903 (99903)
JAN									
13...	--	--	--	--	--	--	--	20	--
29...	7	<1	.05	.040	<.02	12.0	1.0	90	--
FEB									
04...	--	--	--	--	--	--	--	110	--
10...	7	6	.04	.050	<.02	12.0	1.7	<20	--
MAR									
24...	10	9	.14	.050	.03	16.0	1.3	80	--
APR									
02...	--	--	--	--	--	--	--	50	--
08...	--	--	--	--	--	--	--	330	--
16...	11	8	.16	.030	.04	14.0	1.6	80	--
MAY									
15...	--	--	--	--	--	--	--	--	9.0
JUN									
24...	13	4	.15	.030	.04	16.0	1.1	--	--
JUL									
08...	10	16	.06	.040	.04	17.0	1.7	--	--
AUG									
19...	9	7	.06	.030	.02	16.0	1.1	50	--
SEP									
02...	--	--	--	--	--	--	--	80	--
09...	--	--	--	--	--	--	--	20	--
16...	--	--	--	--	--	--	--	--	9.0
23...	--	--	--	--	--	--	--	--	9.0
OCT									
07...	--	--	--	--	--	--	--	--	9.0
14...	--	--	--	--	--	--	--	--	9.0
NOV									
04...	--	--	--	--	--	--	--	--	9.0
DEC									
11...	10	23	.03	.030	.04	9.9	.3	--	--

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02315919 BIG CREEK AT CRYSTAL LAKE ROAD, NEAR IRWINVILLE, GA (GEORGIA EPD ID 09004901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
29...	1225	EST	81213	11	11.3	91	6.5	6.5	62	64	20.8	6.0	3.40
APR													
16...	1055	EST	81213	15	7.0	75	6.6	6.6	58	61	27.1	18.4	3.90

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
29...	2.00	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	4
APR												
16...	2.20	<1	<4	<.5	<1	<2	1.0	<.1	<1	<4	<2	6

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02315920 ALAPAHA RIVER AT GEORGIA HIGHWAY 32, NEAR IRWINVILLE, GA (GEORGIA EPD ID 09005001)

LOCATION.--Lat 31°37'52'', long 83°25'05'' (referenced to North American Datum (NAD) of 1927), Irwin County, Hydrologic Unit 03110202, at the bridge on Georgia Highway 32, 3.5 miles southwest of Jefferson Davis Memorial State Park, and 2.3 miles southwest of Irwinville

DRAINAGE AREA.--441 square miles.

ELEVATION.--270 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, July 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Gage Height, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. For the data-collection activity at this station during 2003, if the stream was observed to have insufficient flow, observed to be pooled with no visible flow, or was found to be dry, it was not sampled. The site visit was documented and is presented in the data table coded with parameter 99903 = 9. A stream is defined as "dry" at a station if there is a complete break in the continuity of the cross-section of water perpendicular to the flow that is visible upstream and/or downstream of the cross-section to be sampled.

02315920 ALAPAHA RIVER AT GEORGIA HIGHWAY 32, NEAR IRWINVILLE, GA--Continued
(GEORGIA EPD ID 09005001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
13...	1415	EST	81213	3.18	--	11.5	95	5.9	6.4	62	55	11.1	7.2
29...	1315	EST	81213	2.82	6.4	10.5	84	6.1	6.3	64	65	20.4	6.3
FEB													
04...	1235	EST	81213	2.65	--	8.1	76	5.9	6.6	64	62	17.8	12.0
10...	1320	EST	81213	3.23	4.5	9.3	83	6.3	6.8	63	60	18.6	10.4
MAR													
24...	1100	EST	81213	6.72	16	5.4	58	5.8	6.5	48	50	20.4	18.6
APR													
02...	1125	EST	81213	3.13	--	7.4	73	5.9	6.8	58	54	22.4	14.7
08...	0855	EST	81213	2.88	--	5.6	62	6.1	6.2	60	63	19.2	19.6
16...	1010	EST	81213	4.20	12	6.1	64	6.2	6.4	51	53	21.5	17.6
MAY													
15...	0900	EST	81213	2.13	7.5	2.5	28	5.9	6.6	72	75	24.1	19.6
JUN													
24...	1100	EST	81213	3.67	15	4.4	51	5.5	6.4	53	52	29.8	22.8
JUL													
08...	1425	EST	81213	3.79	10	5.0	60	5.9	6.7	57	59	39.1	24.6
AUG													
19...	1145	EST	81213	4.41	8.4	3.9	46	6.1	6.6	49	47	32.5	24.8
SEP													
02...	1050	EST	81213	2.94	--	2.9	35	6.1	6.5	58	57	27.9	24.8
09...	1215	EST	81213	3.08	--	3.8	43	5.9	7.4	59	61	29.2	22.6
16...	1235	EST	81213	2.18	4.9	1.8	20	6.0	6.5	64	67	31.6	22.2
23...	1040	EST	81213	2.18	--	1.7	20	5.9	6.4	64	67	23.0	22.6
OCT													
07...	1250	EST	81213		--	--	--	--	--	--	--	24.6	--
14...	1235	EST	81213		--	--	--	--	--	--	--	28.0	--
NOV													
04...	1355	EST	81213	2.03	7.7	1.6	18	6.3	6.4	75	79	30.0	20.0
DEC													
11...	1355	EST	81213	1.93	63	4.6	40	5.7	6.2	57	58	12.8	9.3

02315920 ALAPAHA RIVER AT GEORGIA HIGHWAY 32, NEAR IRWINVILLE, GA--Continued
(GEORGIA EPD ID 09005001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Dist-rict special 99903 (99903)
JAN									
13...	--	--	--	--	--	--	--	80	--
29...	6	9	.02	.110	.02	17.0	.8	80	--
FEB									
04...	--	--	--	--	--	--	--	50	--
10...	7	1	.03	.060	<.02	10.0	.9	<20	--
MAR									
24...	8	5	.06	.070	.03	16.0	.9	<20	--
APR									
02...	--	--	--	--	--	--	--	<20	--
08...	--	--	--	--	--	--	--	80	--
16...	8	4	.07	.080	.04	14.0	1.0	130	--
MAY									
15...	16	10	.27	.030	.04	23.0	1.2	--	--
JUN									
24...	10	2	.05	.110	.04	17.0	.9	--	--
JUL									
08...	11	3	.03	.120	.03	16.0	.8	--	--
AUG									
19...	10	4	.03	.070	<.02	16.0	.6	50	--
SEP									
02...	--	--	--	--	--	--	--	40	--
09...	--	--	--	--	--	--	--	20	--
16...	14	3	.13	.050	.04	19.0	.6	<20	--
23...	--	--	--	--	--	--	--	130	--
OCT									
07...	--	--	--	--	--	--	--	--	9.0
14...	--	--	--	--	--	--	--	--	9.0
NOV									
04...	18	18	.03	<.020	.06	17.0	3.1	--	--
DEC									
11...	10	221	.05	.040	.22	14.0	3.2	--	--

Remark codes used in this report:
< -- Less than

02315920 ALAPAHA RIVER AT GEORGIA HIGHWAY 32, NEAR IRWINVILLE, GA--Continued
(GEORGIA EPD ID 09005001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Calcium water unfltrd recover-able, mg/L (00916)
JAN													
29...	1315	EST	81213	2.82	10.5	84	6.1	6.3	64	65	20.4	6.3	3.50
APR													
16...	1010	EST	81213	4.20	6.1	64	6.2	6.4	51	53	21.5	17.6	3.30

Date	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Anti-mony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mercury water, unfltrd recover-able, ug/L (71900)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Thall-ium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recover-able, ug/L (01092)
JAN												
29...	1.80	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	3
APR												
16...	1.70	<1	<4	<.5	<1	<2	1.0	<.1	<1	<4	<2	7

Remark codes used in this report:
< -- Less than

02315935 SAND CREEK AT GEORGIA HIGHWAY 125, NEAR IRWINVILLE, GA (GEORGIA EPD ID 09005901)

LOCATION.--Lat 31°36'34'', long 83°26'41'' (referenced to North American Datum (NAD) of 1927), Irwin County, Hydrologic Unit 03110202, at the bridge on Georgia Highway 125, 2.7 miles upstream from confluence with Alapaha River, 1.3 miles downstream from confluence with Little Sand Creek, 2.0 miles northeast of Waterloo, and 4.3 miles southwest of Irwinville.

ELEVATION.--270 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929) from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, July 1999, January 2003 to December 2003 (discontinued).

REMARKS.-- Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. For the data-collection activity at this station during 2003, if the stream was observed to have insufficient flow, observed to be pooled with no visible flow, or was found to be dry, it was not sampled. The site visit was documented and is presented in the data table coded with parameter 99903 = 9. A stream is defined as "dry" at a station if there is a complete break in the continuity of the cross-section of water perpendicular to the flow that is visible upstream and/or downstream of the cross-section to be sampled.

02315935 SAND CREEK AT GEORGIA HIGHWAY 125, NEAR IRWINVILLE, GA--Continued (GEORGIA EPD ID 09005901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
13...	1445	EST	81213	.00	--	12.3	103	6.4	7.0	90	80	10.5	7.5
29...	1400	EST	81213	.00	4.4	10.1	84	6.6	6.7	93	94	18.3	8.0
FEB													
04...	1250	EST	81213	--	--	8.3	80	6.4	7.2	89	87	18.4	13.6
10...	1355	EST	81213	24	9.1	9.0	85	6.6	7.0	79	76	18.1	12.7
MAR													
24...	1145	EST	81213	66	11	6.5	67	6.3	6.7	79	74	23.3	17.2
APR													
02...	1145	EST	81213	.00	--	9.1	90	6.4	7.1	83	79	22.3	15.0
08...	0915	EST	81213	1.6	--	5.2	57	6.5	6.6	87	89	19.6	19.6
16...	0940	EST	81213	.00	8.4	5.9	63	6.8	6.9	86	89	20.0	18.7
MAY													
15...	0825	EST	81213	.00	8.1	2.0	23	6.5	7.2	130	142	27.8	20.9
JUN													
24...	1200	EST	81213	.00	6.6	4.7	56	6.1	6.9	93	95	29.5	24.3
JUL													
08...	1500	EST	81213	22	15	6.0	76	6.3	7.0	85	89	32.4	26.8
AUG													
19...	1230	EST	81213	.00	7.1	3.7	46	6.6	7.1	90	91	33.5	26.7
SEP													
02...	1125	EST	81213	.00	--	4.1	51	6.5	6.9	--	77	31.5	26.4
09...	1240	EST	81213	.00	--	5.8	67	6.4	7.3	80	86	32.0	23.2
16...	1355	EST	81213	--	--	--	--	--	--	--	--	31.3	--
23...	1100	EST	81213	--	--	--	--	--	--	--	--	23.5	--
OCT													
07...	1320	EST	81213	.00	13	3.2	36	6.8	7.2	109	114	26.3	20.8
14...	1240	EST	81213	--	--	--	--	--	--	--	--	34.6	--
NOV													
04...	1415	EST	81213	--	--	--	--	--	--	--	--	30.0	--
DEC													
11...	1435	EST	81213	.00	12	7.6	68	6.1	6.9	83	83	15.3	10.0

02315935 SAND CREEK AT GEORGIA HIGHWAY 125, NEAR IRWINVILLE, GA--Continued (GEORGIA EPD ID 09005901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Dist-rict special 99903 (99903)
JAN									
13...	--	--	--	--	--	--	--	70	--
29...	12	7	.03	.330	<.02	21.0	1.7	110	--
FEB									
04...	--	--	--	--	--	--	--	230	--
10...	11	5	.04	.130	<.02	11.0	1.3	<20	--
MAR									
24...	15	6	.12	.190	.03	14.0	.9	80	--
APR									
02...	--	--	--	--	--	--	--	20	--
08...	--	--	--	--	--	--	--	490	--
16...	18	5	.19	.220	.04	12.0	1.1	<20	--
MAY									
15...	39	15	.36	<.020	.05	16.0	2.0	--	--
JUN									
24...	23	2	.09	.210	.03	13.0	1.0	--	--
JUL									
08...	19	10	.08	.120	.04	13.0	1.4	--	--
AUG									
19...	25	4	.12	.150	<.02	14.0	1.0	20	--
SEP									
02...	--	--	--	--	--	--	--	170	--
09...	--	--	--	--	--	--	--	220	--
16...	--	--	--	--	--	--	--	--	9.0
23...	--	--	--	--	--	--	--	--	9.0
OCT									
07...	30	35	.11	<.020	.07	15.0	1.4	<20	--
14...	--	--	--	--	--	--	--	--	9.0
NOV									
04...	--	--	--	--	--	--	--	--	9.0
DEC									
11...	15	33	.04	.040	.05	9.7	.5	--	--

Remark codes used in this report:
< -- Less than

02315935 SAND CREEK AT GEORGIA HIGHWAY 125, NEAR IRWINVILLE, GA--Continued (GEORGIA EPD ID 09005901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
29...	1400	EST	81213	.00	10.1	84	6.6	6.7	93	94	18.3	8.0	5.70
APR													
16...	0940	EST	81213	.00	5.9	63	6.8	6.9	86	89	20.0	18.7	6.20

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
29...	3.20	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	3
APR												
16...	3.30	<1	<4	<.5	<1	<2	.9	<.1	<1	<4	<2	<2

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02315970 ALAPAHA RIVER AT US HIGHWAY 319, NEAR TIFTON, GA (GEORGIA EPD ID 09007501)

LOCATION.— Lat 31°31'57'', long 83°23'57'' (referenced to North American Datum (NAD) of 1927), Irwin-Tift County line, Hydrologic Unit 03110202, at the bridge on US Highway 319, 0.3 miles upstream from confluence with Jack Creek, 2.3 miles downstream from confluence with Hat Creek, and 7.4 miles northeast of Tifton.

DRAINAGE AREA.--576 square miles.

ELEVATION.--273 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1927), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to May 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
15...	0825	EST	81213	1.8	--	11.0	89	5.7	6.5	63	62	1.9	6.4
28...	1425	EST	81213	.73	3.3	11.1	85	6.4	6.4	67	66	12.1	4.2
FEB													
06...	0930	EST	81213	.42	--	8.7	76	7.1	6.8	68	74	10.2	9.6
12...	0935	EST	81213	4.8	4.4	9.4	80	6.0	6.6	68	64	7.1	8.3
MAR													
26...	1210	EST	81213	689	14	5.6	60	5.8	6.3	53	51	25.2	18.5
APR													
02...	1225	EST	81213	4.1	--	8.9	87	6.0	6.9	58	55	23.2	14.7
09...	0600	EST	81213	4.7	--	5.1	55	6.2	6.3	60	62	15.0	18.6
16...	0600	EST	81213	63	12	6.5	68	6.3	6.5	51	53	13.5	17.2
MAY													
13...	1020	EST	81213	<.10	8.1	3.0	35	6.1	6.7	70	73	21.4	22.9
JUN													
26...	1100	EST	81213	24	11	4.8	55	5.7	6.4	52	50	29.5	23.3
JUL													
10...	0940	EST	81213	11	8.6	5.3	65	5.8	6.7	58	60	31.5	25.1
AUG													
21...	1130	EST	81213	17	7.3	5.0	61	6.2	6.4	52	51	31.3	25.3
SEP													
04...	1040	EST	81213	.55	--	2.9	35	6.1	6.5	61	61	29.4	25.1
11...	0745	EST	81213	1.3	--	4.1	46	5.9	6.5	62	65	19.8	21.9
18...	0905	EST	81213	<.10	8.6	3.3	38	5.9	6.8	65	77	25.3	22.1
25...	1130	EST	81213	<.10	--	3.1	36	6.2	6.5	72	73	25.5	22.6
OCT													
09...	0755	EST	81213	<.10	5.2	3.2	35	6.3	7.0	76	89	20.1	20.0
15...	1130	EST	81213	<.10	--	2.4	26	6.2	6.6	81	84	25.6	19.9
NOV													
06...	1045	EST	81213	<.10	4.1	3.2	36	6.9	6.6	73	79	28.0	21.3
DEC													
09...	0930	EST	81213	<.10	3.7	7.0	59	7.3	6.7	65	100	10.2	8.1

02315970 ALAPAHA RIVER AT US HIGHWAY 319, NEAR TIFTON, GA—Continued (GEORGIA EPD ID 09007501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
15...	--	--	--	--	--	--	--	80
28...	6	<1	.02	.110	<.02	10.0	.5	50
FEB								
06...	--	--	--	--	--	--	--	20
12...	8	2	.03	.070	<.02	11.0	1.0	90
MAR								
26...	9	10	.08	.070	.03	16.0	1.2	<20
APR								
02...	--	--	--	--	--	--	--	<20
09...	--	--	--	--	--	--	--	<20
16...	8	7	.08	.090	.04	14.0	.9	80
MAY								
13...	15	5	.13	.080	.03	19.0	.9	--
JUN								
26...	9	8	.05	.110	.03	16.0	1.4	--
JUL								
10...	11	5	.04	.110	.03	16.0	E.7	--
AUG								
21...	12	3	.05	.080	.02	17.0	1.0	50
SEP								
04...	--	--	--	--	--	--	--	70
11...	--	--	--	--	--	--	--	<20
18...	14	6	.08	.080	.04	19.0	1.3	<20
25...	--	--	--	--	--	--	--	220
OCT								
09...	20	1	.08	.040	<.02	18.0	1.0	230
15...	--	--	--	--	--	--	--	80
NOV								
06...	15	2	.02	<.020	.03	15.0	1.4	--
DEC								
09...	13	1	.02	<.020	<.02	11.0	.6	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

02315970 ALAPAHA RIVER AT US HIGHWAY 319, NEAR TIFTON, GA--Continued (GEORGIA EPD ID 09007501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
28...	1425	EST	81213	.73	11.1	85	6.4	6.4	67	66	12.1	4.2	3.60
APR													
16...	0600	EST	81213	63	6.5	68	6.3	6.5	51	53	13.5	17.2	3.30

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
28...	1.90	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	3
APR												
16...	1.70	<1	<4	<.5	1	2	1.5	<.1	<1	<4	<2	4

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02316120 TURKEY BRANCH AT EDWARD ROAD, NEAR FITZGERALD, GA (GEORGIA EPD 09010401)

LOCATION.--Lat 31°40'45", long 83°15'03" (referenced to North American Datum (NAD) of 1927), Benhill County, Hydrologic Unit 03110202, at culvert on Edward Road (County Road 124), 0.6 mile upstream from confluence with Lake Beatrice, and 1.7 miles south of Fitzgerald.

ELEVATION.--310 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1979 to June 1982, January 1998 to July 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Gage Height, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)
JAN													
13...	1315	EST	81213	5.73	--	10.5	94	6.8	7.7	189	165	13.3	10.2
29...	1115	EST	81213	5.40	1.8	6.7	58	6.7	7.3	184	186	17.1	9.4
FEB													
04...	1145	EST	81213	5.66	--	5.8	58	6.7	7.4	206	197	20.4	15.2
10...	1150	EST	81213	5.88	14	6.9	66	6.9	7.0	138	129	18.1	12.5
MAR													
24...	0920	EST	81213	5.85	5.7	3.4	35	6.3	6.9	102	101	16.9	17.2
APR													
01...	1605	EST	81213	5.50	--	6.8	70	6.6	7.2	122	114	22.2	17.0
08...	1000	EST	81213	5.40	--	2.8	31	6.7	6.7	140	145	19.8	20.0
16...	1140	EST	81213	5.38	4.1	3.0	33	6.8	6.9	140	144	22.9	19.6
MAY													
15...	1000	EST	81213	5.20	40	2.3	27	6.8	7.3	247	259	23.7	21.6
JUN													
24...	0925	EST	81213	5.72	11	1.5	17	6.2	6.7	139	159	25.2	24.0
JUL													
08...	1310	EST	81213	5.88	12	1.8	23	6.3	7.0	119	127	34.1	26.4
AUG													
19...	1015	EST	81213	6.07	4.8	1.4	17	6.4	7.0	92	94	26.9	25.9
SEP													
02...	0935	EST	81213	5.16	--	2.3	28	6.5	6.9	173	189	27.5	25.8
09...	1035	EST	81213	5.33	--	2.0	24	6.4	7.0	186	193	30.2	23.7
16...	1135	EST	81213	4.91	13	3.5	42	6.7	7.3	222	239	34.5	25.4
23...	0940	EST	81213	4.94	--	3.6	43	6.8	7.2	292	299	19.5	25.1
OCT													
07...	1155	EST	81213	4.86	4.6	5.4	65	7.3	7.7	368	385	22.1	23.8
14...	1150	EST	81213	4.93	--	3.7	44	6.7	7.2	312	318	24.7	23.6
NOV													
04...	1300	EST	81213	5.13	3.4	3.5	39	6.6	7.3	305	338	27.2	21.9
DEC													
11...	1235	EST	81213	5.53	120	6.2	57	6.5	6.7	237	226	19.1	11.4

02316120 TURKEY BRANCH AT EDWARD ROAD, NEAR FITZGERALD, GA--Continued (GEORGIA EPD 09010401)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
13...	--	--	--	--	--	--	--	490
29...	27	3	.07	3.10	.49	7.2	1.2	50
FEB								
04...	--	--	--	--	--	--	--	700
10...	23	31	.09	.970	.58	6.7	4.3	<20
MAR								
24...	26	7	.12	.190	.14	13.0	1.6	16000
APR								
01...	--	--	--	--	--	--	--	90
08...	--	--	--	--	--	--	--	16000
16...	32	6	.11	1.30	.22	8.6	2.7	1700
MAY								
15...	59	76	.28	1.70	1.00	10.0	4.0	--
JUN								
24...	37	24	.14	1.50	.41	15.0	1.5	--
JUL								
08...	28	10	.08	1.10	.33	10.0	1.3	--
AUG								
19...	22	8	.16	.620	.19	12.0	1.1	2200
SEP								
02...	--	--	--	--	--	--	--	310
09...	--	--	--	--	--	--	--	170
16...	60	27	.16	.890	1.00	8.7	1.0	<20
23...	--	--	--	--	--	--	--	50
OCT								
07...	85	5	.11	1.80	.72	4.6	.7	790
14...	--	--	--	--	--	--	--	2200
NOV								
04...	69	8	3.10	.200	1.40	8.7	2.1	--
DEC								
11...	30	235	.31	3.00	7.60	7.0	9.0	--

Remark codes used in this report:
< -- Less than

02316120 TURKEY BRANCH AT EDWARD ROAD, NEAR FITZGERALD, GA--Continued (GEORGIA EPD 09010401)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc-tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Calcium water unfltrd recover -able, mg/L (00916)
JAN													
29...	1115	EST	81213	5.40	6.7	58	6.7	7.3	184	186	17.1	9.4	12.0
APR													
16...	1140	EST	81213	5.38	3.0	33	6.8	6.9	140	144	22.9	19.6	11.0

Date	Magnes-ium, water, unfltrd recover -able, mg/L (00927)	Anti-mony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover -able, ug/L (01034)	Copper, water, unfltrd recover -able, ug/L (01042)	Lead, water, unfltrd recover -able, ug/L (01051)	Mercury water, unfltrd recover -able, ug/L (71900)	Nickel, water, unfltrd recover -able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Thall-ium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recover -able, ug/L (01092)
JAN												
29...	3.20	2	<4	<.5	<1	2	.3	<.1	<1	<4	<2	24
APR												
16...	2.80	<1	<4	<.5	<1	2	2.4	<.1	<1	<4	<2	17

Remark codes used in this report:
< -- Less than

02316170 WILLACOOCHEE RIVER AT GEORGIA HIGHWAY 32, NEAR OCILLA, GA (GEORGIA EPD ID 09010451)

LOCATION.--Lat 31°35'44'', long 83°10'18'' (referenced to North American Datum (NAD) of 1927), Irwin County, Hydrologic Unit 03110202, at the bridge on Georgia Highway 32, 0.5 mile downstream from confluence with Willacoochee Creek, 0.7 mile downstream from confluence with Brushy Creek, 1.2 miles west of Holt, and 3.9 miles east of Ocilla.

DRAINAGE AREA.--80 square miles.

ELEVATION.--280 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to May 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
15...	0910	EST	81213	42	--	14.9	121	6.6	7.2	102	109	1.7	6.6
28...	1325	EST	81213	35	3.1	11.1	87	6.8	7.2	113	117	17.4	5.4
FEB													
06...	0955	EST	81213	32	--	9.3	83	6.8	7.5	116	111	11.6	10.1
12...	1020	EST	81213	101	4.0	10.3	89	6.8	7.2	100	92	15.7	8.9
MAR													
26...	1115	EST	81213	122	6.6	5.7	60	6.3	7.0	74	72	27.0	18.1
APR													
02...	1300	EST	81213	81	--	9.1	91	6.5	7.2	84	81	25.9	15.7
08...	1040	EST	81213	76	--	5.4	59	6.7	6.7	91	93	21.9	19.7
16...	0710	EST	81213	73	4.7	6.1	65	6.9	6.9	80	82	15.8	18.8
MAY													
13...	1120	EST	81213	12	6.6	4.0	46	6.9	7.5	154	159	30.1	22.1
JUN													
26...	1000	EST	81213	48	6.1	4.5	54	6.3	7.2	98	97	25.0	24.4
JUL													
10...	1025	EST	81213	113	5.6	6.1	76	6.4	6.9	79	80	34.1	26.4
AUG													
21...	1030	EST	81213	171	5.2	5.0	61	6.7	6.9	66	67	29.0	25.7
SEP													
04...	0950	EST	81213	44	--	4.0	48	6.7	7.1	103	104	26.4	25.5
11...	0820	EST	81213	74	--	6.0	69	6.5	7.1	78	81	24.3	22.2
18...	0955	EST	81213	19	10	5.9	68	6.7	7.4	109	112	29.7	22.0
25...	1030	EST	81213	15	--	4.4	51	6.9	7.3	127	127	24.5	22.9
OCT													
09...	0850	EST	81213	6.1	2.4	5.0	56	6.8	7.5	147	148	22.5	21.0
15...	1210	EST	81213	7.6	--	3.9	44	6.8	7.1	165	167	27.3	20.4
NOV													
06...	1130	EST	81213	24	2.3	5.6	64	6.7	7.2	125	130	27.8	22.0
DEC													
09...	1020	EST	81213	20	2.6	9.7	80	7.1	7.6	164	165	13.6	7.2

02316170 WILLACOOCHEE RIVER AT GEORGIA HIGHWAY 32, NEAR OCILLA, GA--Continued

(GEORGIA EPD ID 09010451)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
15...	--	--	--	--	--	--	--	<20
28...	16	<1	.03	.470	.06	20.0	.8	220
FEB								
06...	--	--	--	--	--	--	--	50
12...	14	4	.04	.060	.06	12.0	1.1	330
MAR								
26...	16	7	.09	.120	.15	15.0	1.7	20
APR								
02...	--	--	--	--	--	--	--	<20
08...	--	--	--	--	--	--	--	170
16...	19	6	.08	.110	.12	14.0	1.1	170
MAY								
13...	51	1	.09	.140	.38	16.0	1.1	--
JUN								
26...	30	5	.06	.030	.19	17.0	1.4	--
JUL								
10...	18	2	.05	.020	.14	15.0	E1.2	--
AUG								
21...	16	3	.05	.050	.12	18.0	1.3	170
SEP								
04...	--	--	--	--	--	--	--	490
11...	--	--	--	--	--	--	--	170
18...	32	3	.03	.040	.12	15.0	1.3	110
25...	--	--	--	--	--	--	--	130
OCT								
09...	39	1	.04	.060	.05	14.0	1.0	330
15...	--	--	--	--	--	--	--	80
NOV								
06...	27	2	.03	.060	.06	13.0	1.0	--
DEC								
09...	29	<1	.02	.030	.04	9.9	.8	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

02316170 WILLACOOCHEE RIVER AT GEORGIA HIGHWAY 32, NEAR OCILLA, GA--Continued

(GEORGIA EPD ID 09010451)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
28...	1325	EST	81213	35	11.1	87	6.8	7.2	113	117	17.4	5.4	6.70
APR													
16...	0710	EST	81213	73	6.1	65	6.9	6.9	80	82	15.8	18.8	6.20

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
28...	2.80	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	4
APR												
16...	2.70	<1	<4	<.5	<1	<2	.7	<.1	<1	<4	<2	5

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02316216 REEDY CREEK AT HICKORY ROAD, NEAR OCILLA, GA
(GEORGIA EPD ID 09010601)

LOCATION.--Lat 31°30'57'', long 83°15'40'' (referenced to North American Datum (NAD) of 1927), Irwin County, Hydrologic Unit 03110202, at the bridge on Hickory Road (County Road 57), 5.6 miles downstream from confluence with Little Creek, and 5.0 miles south of Ocilla.

ELEVATION.--270 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to July 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. For the data-collection activity at this station during 2003, if the stream was observed to have insufficient flow, observed to be pooled with no visible flow, or was found to be dry, it was not sampled. The site visit was documented and is presented in the data table coded with parameter 99903 = 9. A stream is defined as "dry" at a station if there is a complete break in the continuity of the cross-section of water perpendicular to the flow that is visible upstream and/or downstream of the cross-section to be sampled. Previously published as "Reed Creek near Ocilla, GA".

02316216 REEDY CREEK AT HICKORY ROAD, NEAR OCILLA, GA--Continued (GEORGIA EPD ID 09010601)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
15...	1025	EST	81213	70	--	12.9	104	6.4	6.9	72	72	6.8	6.1
28...	1215	EST	81213	44	3.3	10.6	81	6.7	6.8	77	76	10.5	4.6
FEB													
06...	1055	EST	81213	50	--	9.2	81	6.4	7.1	79	76	11.1	9.7
12...	1215	EST	81213	98	9.8	10.3	89	6.5	7.0	75	70	16.3	9.3
MAR													
26...	1025	EST	81213	173	10	6.1	63	6.2	6.6	60	61	22.4	17.2
APR													
02...	1330	EST	81213	92	--	9.1	93	6.5	6.6	64	60	23.6	16.5
08...	1115	EST	81213	67	--	5.3	58	6.5	6.6	73	76	21.0	20.0
16...	0800	EST	81213	79	6.9	6.1	65	6.7	6.7	67	70	16.8	18.1
MAY													
13...	1210	EST	81213	.00	6.4	.7	8	6.5	7.2	108	114	26.5	22.2
JUN													
26...	0920	EST	81213	41	5.4	4.6	54	6.1	7.0	77	77	23.3	23.1
JUL													
10...	1130	EST	81213	87	7.9	6.0	74	6.2	7.2	64	66	33.7	26.0
AUG													
21...	0945	EST	81213	229	6.7	4.6	56	6.4	6.8	56	56	25.9	25.3
SEP													
04...	0915	EST	81213	62	--	3.7	45	6.4	6.8	76	76	24.4	25.1
11...	0855	EST	81213	75	--	5.3	60	6.4	6.9	67	70	21.7	21.7
18...	1115	EST	81213	22	5.7	4.3	48	6.3	7.1	77	81	27.3	20.6
25...	1000	EST	81213	33	--	2.3	27	6.5	6.8	89	93	23.3	22.2
OCT													
09...	0925	EST	81213	--	--	--	--	--	--	--	--	20.7	--
15...	1240	EST	81213	--	--	--	--	--	--	--	--	22.7	--
NOV													
06...	1215	EST	81213	47	3.4	5.5	63	6.4	6.9	83	85	27.4	22.2
DEC													
09...	1105	EST	81213	25	13	9.5	76	7.0	6.9	81	83	15.4	6.2

02316216 REEDY CREEK AT HICKORY ROAD, NEAR OCILLA, GA--Continued (GEORGIA EPD ID 09010601)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Dist-rict special 99903 (99903)
JAN									
15...	--	--	--	--	--	--	--	20	--
28...	12	2	.06	.260	.03	13.0	.9	80	--
FEB									
06...	--	--	--	--	--	--	--	170	--
12...	11	20	.06	.110	.05	14.0	1.6	80	--
MAR									
26...	12	9	.19	.210	.06	16.0	1.7	110	--
APR									
02...	--	--	--	--	--	--	--	<20	--
08...	--	--	--	--	--	--	--	80	--
16...	15	6	.11	.250	.07	14.0	1.3	50	--
MAY									
13...	34	8	.27	.050	.06	16.0	1.8	--	--
JUN									
26...	21	4	.05	.080	.04	15.0	1.4	--	--
JUL									
10...	15	5	.19	.050	.06	17.0	E1.1	--	--
AUG									
21...	14	3	.06	.110	.04	17.0	1.4	110	--
SEP									
04...	--	--	--	--	--	--	--	20	--
11...	--	--	--	--	--	--	--	50	--
18...	23	5	.06	.050	.07	15.0	1.7	110	--
25...	--	--	--	--	--	--	--	330	--
OCT									
09...	--	--	--	--	--	--	--	--	9.0
15...	--	--	--	--	--	--	--	--	9.0
NOV									
06...	18	2	.03	<.020	.04	16.0	1.5	--	--
DEC									
09...	15	41	.03	<.020	.06	11.0	1.1	--	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

02316216 REEDY CREEK AT HICKORY ROAD, NEAR OCILLA, GA--Continued (GEORGIA EPD ID 09010601)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
28...	1215	EST	81213	44	10.6	81	6.7	6.8	77	76	10.5	4.6	4.30
APR													
16...	0800	EST	81213	79	6.1	65	6.7	6.7	67	70	16.8	18.1	4.70

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
28...	2.80	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	3
APR												
16...	2.90	<1	<4	<.5	<1	<2	1.2	<.1	<1	<4	<2	3

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02316241 LITTLE BRUSHY CREEK AT ORCHID ROAD, NEAR OCILLA, GA (GEORGIA EPD ID 09010751)

LOCATION.--Lat 31°30'27'', long 83°12'32'' (referenced to North American Datum (NAD) of 1927), Irwin County, Hydrologic Unit 03110202, at the bridge on Orchid Road (County Road 63), 2.8 miles downstream from confluence with Stump Creek, and 7.0 miles southeast of Ocilla.

ELEVATION.--260 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, March 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. For the data-collection activity at this station during 2003, if the stream was observed to have insufficient flow, observed to be pooled with no visible flow, or was found to be dry, it was not sampled. The site visit was documented and is presented in the data table coded with parameter 99903 = 9. A stream is defined as "dry" at a station if there is a complete break in the continuity of the cross-section of water perpendicular to the flow that is visible upstream and/or downstream of the cross-section to be sampled.

02316241 LITTLE BRUSHY CREEK AT ORCHID ROAD, NEAR OCILLA, GA--Continued (GEORGIA EPD ID 09010751)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- tance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
15...	0955	EST	81213	29	--	13.1	105	6.6	7.1	86	87	6.8	6.3
28...	1125	EST	81213	18	4.0	9.8	74	6.8	6.9	91	91	7.1	4.4
FEB													
06...	1030	EST	81213	24	--	8.2	73	6.6	7.3	95	91	9.5	10.1
12...	1130	EST	81213	36	4.6	9.6	82	6.8	7.2	97	90	16.5	8.5
MAR													
26...	0950	EST	81213	85	9.2	6.1	63	6.3	6.9	69	70	20.8	17.6
APR													
02...	1355	EST	81213	36	--	9.8	100	6.6	7.1	78	73	26.2	16.5
08...	1145	EST	81213	29	--	5.6	62	6.6	6.7	88	89	21.6	20.1
16...	0840	EST	81213	35	4.9	5.0	54	6.8	6.9	77	80	18.8	18.4
MAY													
13...	1245	EST	81213	--	--	--	--	--	--	--	--	30.0	--
JUN													
26...	0845	EST	81213	--	--	--	--	--	--	--	--	24.9	--
JUL													
10...	1155	EST	81213	--	--	--	--	--	--	--	--	34.9	--
AUG													
21...	0910	EST	81213	--	--	--	--	--	--	--	--	24.5	--
SEP													
04...	0845	EST	81213	--	--	--	--	--	--	--	--	22.6	--
11...	0915	EST	81213	63	--	4.1	47	6.3	6.8	76	79	23.4	22.3
18...	1140	EST	81213	--	--	--	--	--	--	--	--	29.1	--
25...	0920	EST	81213	3.2	--	1.4	16	6.5	6.9	114	121	22.4	22.9
OCT													
09...	0945	EST	81213	--	--	--	--	--	--	--	--	19.4	--
15...	1255	EST	81213	--	--	--	--	--	--	--	--	26.8	--
NOV													
06...	1240	EST	81213	--	--	--	--	--	--	--	--	30.9	--
DEC													
09...	1140	EST	81213	16	2.2	8.8	73	7.0	7.2	99	101	16.7	7.3

02316241 LITTLE BRUSHY CREEK AT ORCHID ROAD, NEAR OCILLA, GA--Continued (GEORGIA EPD ID 09010751)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Dist-rict special 99903 (99903)
JAN									
15...	--	--	--	--	--	--	--	330	--
28...	17	3	.03	.290	.06	12.0	.9	170	--
FEB									
06...	--	--	--	--	--	--	--	50	--
12...	18	<1	.03	.190	.06	13.0	1.2	130	--
MAR									
26...	17	8	.10	.320	.10	13.0	1.5	40	--
APR									
02...	--	--	--	--	--	--	--	50	--
08...	--	--	--	--	--	--	--	<20	--
16...	19	3	.05	.280	.08	12.0	1.1	50	--
MAY									
13...	--	--	--	--	--	--	--	--	9.0
JUN									
26...	--	--	--	--	--	--	--	--	9.0
JUL									
10...	--	--	--	--	--	--	--	--	9.0
AUG									
21...	--	--	--	--	--	--	--	--	9.0
SEP									
04...	--	--	--	--	--	--	--	--	9.0
11...	--	--	--	--	--	--	--	50	--
18...	--	--	--	--	--	--	--	--	9.0
25...	--	--	--	--	--	--	--	330	--
OCT									
09...	--	--	--	--	--	--	--	--	9.0
15...	--	--	--	--	--	--	--	--	9.0
NOV									
06...	--	--	--	--	--	--	--	--	9.0
DEC									
09...	17	<1	.03	.060	.04	10.0	.8	--	--

Remark codes used in this report:
< -- Less than

02316241 LITTLE BRUSHY CREEK AT ORCHID ROAD, NEAR OCILLA, GA--Continued (GEORGIA EPD ID 09010751)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
28...	1125	EST	81213	18	9.8	74	6.8	6.9	91	91	7.1	4.4	5.20
APR													
16...	0840	EST	81213	35	5.0	54	6.8	6.9	77	80	18.8	18.4	5.40

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
28...	2.80	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	3
APR												
16...	2.90	<1	<4	<.5	<1	<2	.8	<.1	<1	<4	<2	3

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02316253 WILLACOOCHEE RIVER AT US HIGHWAY 82, NEAR WILLACOOCHEE, GA

(GEORGIA EPD ID 09010801)

LOCATION.--Lat 31°21'36'', long 83°06'16'' (referenced to North American Datum (NAD) of 1927), Atkinson-Berrien County line, Hydrologic Unit 03110202, at the bridge on US Highway 82, 1.1 miles upstream from confluence with Alapaha River, and 2.8 miles northwest of Willacoochee.

DRAINAGE AREA.--250 square miles.

ELEVATION.--205 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to May 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

02316253 WILLACOOCHEE RIVER AT US HIGHWAY 82, NEAR WILLACOOCHEE, GA--Continued

(GEORGIA EPD ID 09010801)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- tance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
15...	1105	EST	81213	136	--	13.7	112	6.5	7.0	82	82	8.5	7.0
28...	1000	EST	81213	52	2.1	11.2	87	7.0	7.0	94	93	4.5	5.0
FEB													
06...	1130	EST	81213	55	--	9.3	83	6.6	7.3	96	91	12.3	10.6
12...	1310	EST	81213	126	2.9	10.3	90	6.7	7.2	83	85	20.5	9.4
MAR													
26...	0915	EST	81213	1890	8.6	5.8	62	6.1	6.5	61	59	17.7	18.5
APR													
02...	1425	EST	81213	454	--	8.1	79	6.4	6.7	71	67	26.3	14.7
08...	1235	EST	81213	147	--	5.8	64	6.6	6.6	76	78	19.6	20.4
15...	1355	EST	81213	1170	5.6	6.7	71	6.6	6.7	65	67	25.6	18.7
MAY													
13...	1325	EST	81213	10	3.6	4.0	46	6.5	7.3	94	97	31.0	22.6
JUN													
26...	0810	EST	81213	341	4.2	5.1	60	6.0	7.0	75	75	21.4	24.1
JUL													
10...	1235	EST	81213	465	6.3	6.0	75	6.3	6.9	70	72	31.5	26.1
AUG													
21...	0840	EST	81213	2380	5.4	4.7	57	6.4	6.7	55	55	23.6	25.7
SEP													
04...	0810	EST	81213	112	--	4.7	57	6.5	6.9	82	82	23.5	25.6
11...	1000	EST	81213	807	--	5.9	67	6.2	6.6	65	67	26.3	22.5
18...	1220	EST	81213	39	3.6	5.5	64	6.4	7.2	80	83	30.9	22.5
25...	0845	EST	81213	18	--	4.5	52	6.5	7.0	89	90	21.5	22.8
OCT													
08...	1255	EST	81213	7.3	2.8	4.5	50	6.3	7.0	94	96	26.5	20.7
15...	1325	EST	81213	13	--	5.6	62	6.6	6.7	95	97	28.9	20.4
NOV													
06...	1320	EST	81213	83	3.5	6.1	69	6.2	6.9	103	105	30.3	21.7
DEC													
09...	1230	EST	81213	25	1.9	10.2	86	6.8	7.3	105	104	22.7	8.0

02316253 WILLACOOCHEE RIVER AT US HIGHWAY 82, NEAR WILLACOOCHEE, GA--Continued

(GEORGIA EPD ID 09010801)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
15...	--	--	--	--	--	--	--	<20
28...	14	1	.04	.190	.05	13.0	.8	20
FEB								
06...	--	--	--	--	--	--	--	20
12...	14	2	.03	.070	.05	18.0	1.0	50
MAR								
26...	11	9	.09	.170	.10	17.0	1.4	<20
APR								
02...	--	--	--	--	--	--	--	<20
08...	--	--	--	--	--	--	--	<20
15...	13	3	.05	.180	.09	15.0	1.2	70
MAY								
13...	26	3	.06	.140	.10	15.0	.7	--
JUN								
26...	18	3	.05	.080	.10	19.0	1.4	--
JUL								
10...	16	3	.03	.060	.10	15.0	E1.0	--
AUG								
21...	11	3	.03	.040	.08	18.0	1.3	330
SEP								
04...	--	--	--	--	--	--	--	50
11...	--	--	--	--	--	--	--	130
18...	21	6	.03	.070	.09	16.0	1.2	20
25...	--	--	--	--	--	--	--	140
OCT								
08...	23	1	.05	.120	.06	13.0	.8	330
15...	--	--	--	--	--	--	--	170
NOV								
06...	16	3	.02	.040	.07	16.0	1.2	--
DEC								
09...	19	1	.02	.060	.04	10.0	.6	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

02316253 WILLACOOCHEE RIVER AT US HIGHWAY 82, NEAR WILLACOOCHEE, GA--Continued

(GEORGIA EPD ID 09010801)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
28...	1000	EST	81213	52	11.2	87	7.0	7.0	94	93	4.5	5.0	4.90
APR													
15...	1355	EST	81213	1170	6.7	71	6.6	6.7	65	67	25.6	18.7	4.30

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
28...	2.90	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	2
APR												
15...	2.30	<1	<4	<.5	<1	<2	.9	<.1	<1	<4	<2	6

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02316450 TENMILE CREEK AT GEORGIA HIGHWAY 64, NEAR LAKELAND, GA

(GEORGIA EPD ID 09011201)

LOCATION.--Lat 31°07'01'', long 83°08'04'' (referenced to North American Datum (NAD) of 1927), Lanier County, Hydrologic Unit 03110202, at the bridge on Georgia Highway 64, 0.4 mile upstream from confluence with Fivemile Creek and Big Creek, 4.8 miles northeast of Ray City, and 6.3 miles northwest of Lakeland.

ELEVATION.--180 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to July 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. For the data-collection activity at this station during 2003, if the stream was observed to have insufficient flow, observed to be pooled with no visible flow, or was found to be dry, it was not sampled. The site visit was documented and is presented in the data table coded with parameter 99903 = 9. A stream is defined as "dry" at a station if there is a complete break in the continuity of the cross-section of water perpendicular to the flow that is visible upstream and/or downstream of the cross-section to be sampled.

02316450 TENMILE CREEK AT GEORGIA HIGHWAY 64, NEAR LAKELAND, GA--Continued

(GEORGIA EPD ID 09011201)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- tance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
16...	0935	EST	81213	6.61	--	10.3	82	4.4	4.4	69	71	8.6	5.4
27...	1240	EST	81213	--	--	--	--	--	--	--	--	--	--
FEB													
05...	1330	EST	81213	--	--	--	--	--	--	--	--	--	--
13...	1315	EST	81213	--	--	--	--	--	--	--	--	--	--
MAR													
27...	1000	EST	81213	--	--	--	--	--	--	--	--	--	--
APR													
14...	1245	EST	81213	7.13	3.5	6.6	69	4.4	4.5	45	47	28.9	17.5
MAY													
12...	1545	EST	81213	5.86	8.5	3.4	41	4.3	4.5	52	54	29.3	24.2
19...	1145	EST	81213	5.85	--	3.3	38	4.4	--	--	53	35.4	23.5
JUN													
02...	1305	EST	81213	5.81	2.5	4.2	48	4.3	4.4	50	52	30.0	23.0
09...	0810	EST	81213	6.16	--	4.3	51	4.3	4.5	47	51	31.3	24.1
JUL													
07...	1130	EST	81213	6.81	2.7	5.2	63	4.2	4.5	42	55	30.0	25.6
21...	1045	EST	81213	9.21	--	3.3		4.3	4.5	42	--	30.0	24.6
28...	1015	EST	81213	6.46	--	7.1	86	4.3	4.4	43	45	32.0	25.3
AUG													
04...	1050	EST	81213	7.14	3.3	6.6	80	4.3	4.4	44	46	31.0	25.0
SEP													
08...	1100	EST	81213	8.29	5.1	5.1	59	4.3	4.5	33	34	28.0	22.8
OCT													
06...	1115	EST	81213	4.91	4.4	3.4	37	4.2	4.3	45	48	29.5	19.7
NOV													
17...	1300	EST	81213	3.19	3.3	6.4	65	4.5	4.6	43	45	28.5	16.1
DEC													
01...	1130	EST	81213	6.22	--	9.1	77	4.5	4.6	45	45	19.0	7.9
08...	1120	EST	81213	5.99	3.2	9.1	75	4.6	4.7	47	46	16.0	6.8
15...	1100	EST	81213	6.36	--	10.8	93	4.5	4.7	48	47	11.5	8.6

SUWANNEE RIVER BASIN
2003 Calendar Year

02316450 TENMILE CREEK AT GEORGIA HIGHWAY 64, NEAR LAKELAND, GA--Continued

(GEORGIA EPD ID 09011201)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Dist-rict special 99903 (99903)
JAN									
16...	--	--	--	--	--	--	--	50	--
27...	--	--	--	--	--	--	--	--	9.0
FEB									
05...	--	--	--	--	--	--	--	--	9.0
13...	--	--	--	--	--	--	--	--	9.0
MAR									
27...	--	--	--	--	--	--	--	--	9.0
APR									
14...	<1	2	.04	<.020	.03	40.0	1.1	--	--
MAY									
12...	<1	7	.11	<.020	.06	49.0	1.4	250	--
19...	--	--	--	--	--	--	--	130	--
JUN									
02...	<1	11	.07	<.020	.04	43.0	1.3	50	--
09...	--	--	--	--	--	--	--	130	--
JUL									
07...	<1	4	.03	<.020	.02	37.0	1.0	220	--
21...	--	--	--	--	--	--	--	20	--
28...	--	--	--	--	--	--	--	130	--
AUG									
04...	<1	6	.04	<.020	.03	42.0	1.2	230	--
SEP									
08...	<1	1	.04	<.020	.03	31.0	.8	--	--
OCT									
06...	<1	6	.07	<.020	.08	47.0	.4	--	--
NOV									
17...	1	3	.04	<.020	.03	33.0	.6	50	--
DEC									
01...	--	--	--	--	--	--	--	130	--
08...	2	3	.04	<.020	.02	28.0	.8	20	--
15...	--	--	--	--	--	--	--	490	--

Remark codes used in this report:
< -- Less than

02316450 TENMILE CREEK AT GEORGIA HIGHWAY 64, NEAR LAKELAND, GA--Continued

(GEORGIA EPD ID 09011201)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
APR													
14...	1245	EST	81213	7.13	6.6	69	4.4	4.5	45	47	28.9	17.5	1.50
JUN													
02...	1305	EST	81213	5.81	4.2	48	4.3	4.4	50	52	30.0	23.0	1.40

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
APR												
14...	.98	<1	<4	<.5	<1	<2	1.2	<.1	<1	<4	<2	14
JUN												
02...	1.10	<1	<4	<.5	1	<2	1.2	<.1	1	<4	<2	14

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02316490 FIVEMILE CREEK AT GEORGIA HIGHWAY 64, NEAR LAKELAND, GA

(GEORGIA EPD ID 09011351)

LOCATION.--Lat 31°07'29'', long 83°07'44'' (referenced to North American Datum (NAD) of 1927), Lanier County, Hydrologic Unit 03110202, at the bridge on Georgia Highway 64, 0.8 mile upstream from confluence with Tenmile Creek and Big Creek, 5.4 miles northeast of Ray City, and 7.0 miles northwest of Lakeland.

ELEVATION.--180 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to July 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
16...	0955	EST	81213	10.87	--	11.7	93	4.5	4.6	58	63	10.3	5.5
27...	1215	EST	81213	10.64	1.9	7.2	57	4.7	4.6	62	65	8.1	5.6
FEB													
05...	1345	EST	81213	10.73	--	6.9	63	4.5	4.7	61	60	16.5	12.0
13...	1330	EST	81213	10.85	2.8	9.6	84	4.8	4.7	63	63	19.5	9.6
MAR													
27...	0945	EST	81213	11.40	4.6	5.1	54	3.9	4.2	56	53	18.1	18.4
APR													
14...	1210	EST	81213	11.81	6.2	6.7	70	4.3	4.3	47	49	30.1	17.2
MAY													
12...	1445	EST	81213	10.29	8.9	1.8	22	4.2	4.4	54	58	29.3	24.3
19...	1115	EST	81213	9.96	--	2.5	29	4.4	--	--	54	31.0	23.8
JUN													
02...	1230	EST	81213	10.41	4.4	3.1	36	4.2	4.3	52	55	28.0	22.7
JUL													
07...	1110	EST	81213	11.11	5.4	5.5	67	4.0	4.2	50	52	30.0	25.2
21...	1000	EST	81213	9.00	--	6.7	82	4.0	4.2	50	54	29.0	24.9
28...	0950	EST	81213	11.06	--	6.9	83	4.1	4.2	49	52	32.0	24.9
AUG													
04...	1130	EST	81213	11.26	4.5	6.3	76	4.1	4.2	48	51	30.5	24.7
SEP													
08...	1035	EST	81213	12.96	6.3	5.0	58	4.1	4.4	37	39	26.5	22.7
OCT													
06...	1045	EST	81213	10.25	4.7	3.0	32	4.2	4.3	45	47	28.5	19.6
NOV													
17...	1230	EST	81213	10.59	4.4	6.2	62	4.3	4.4	48	53	28.0	15.5
DEC													
01...	1100	EST	81213	10.91	--	8.6	72	4.3	4.5	53	53	19.0	7.5
08...	1045	EST	81213	10.71	3.6	8.6	73	4.6	4.6	51	50	16.0	7.9
15...	1030	EST	81213	11.12	--	10.3	88	4.5	4.7	54	53	12.5	8.7

02316490 FIVEMILE CREEK AT GEORGIA HIGHWAY 64, NEAR LAKELAND, GA--Continued

(GEORGIA EPD ID 09011351)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
16...	--	--	--	--	--	--	--	70
27...	1	<1	.03	<.020	.02	30.0	.8	40
FEB								
05...	--	--	--	--	--	--	--	<20
13...	2	<1	.03	<.020	.02	29.0	1.3	20
MAR								
27...	<1	5	.05	<.020	.03	61.0	2.1	50
APR								
14...	<1	4	.03	<.020	.03	45.0	1.4	--
MAY								
12...	<1	10	.16	<.020	.17	54.0	2.2	<20
19...	--	--	--	--	--	--	--	<20
JUN								
02...	<1	5	.06	<.020	.06	51.0	2.5	20
JUL								
07...	<1	4	.04	<.020	.04	51.0	1.3	490
21...	--	--	--	--	--	--	--	80
28...	--	--	--	--	--	--	--	80
AUG								
04...	<1	4	.03	<.020	.03	44.0	.8	230
SEP								
08...	<1	1	.04	<.020	.03	36.0	.8	--
OCT								
06...	<1	4	.08	<.020	.08	46.0	.4	--
NOV								
17...	<1	1	.05	<.020	.04	35.0	1.2	130
DEC								
01...	--	--	--	--	--	--	--	1300
08...	<1	4	.03	<.020	.02	26.0	.8	50
15...	--	--	--	--	--	--	--	170

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02316490 FIVEMILE CREEK AT GEORGIA HIGHWAY 64, NEAR LAKELAND, GA

(GEORGIA EPD ID 09011351)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Calcium water unfltrd recover-able, mg/L (00916)
JAN													
27...	1215	EST	81213	10.64	7.2	57	4.7	4.6	62	65	8.1	5.6	1.90
APR													
14...	1210	EST	81213	11.81	6.7	70	4.3	4.3	47	49	30.1	17.2	1.60

Date	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Anti-mony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mercury water, unfltrd recover-able, ug/L (71900)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Thall-ium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recover-able, ug/L (01092)
JAN												
27...	1.50	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	10
APR												
14...	.86	<1	<4	<.5	1	<2	1.5	<.1	<1	<4	<2	12

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02316950 COW CREEK AT GEORGIA HIGHWAY 11, NEAR STOCKTON, GA (GEORGIA EPD ID 09011801)

LOCATION.--Lat 30°51'36'', long 83°00'06'' (referenced to North American Datum (NAD) of 1927), Echols-Lanier County line, Hydrologic Unit 03110202, at the bridge on Georgia Highway 11, 1.2 miles upstream from confluence with Alapaha River, and 5.2 miles south of Stockton.

ELEVATION.--135 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to March 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
15...	0945	EST	81213	8.4	.80	10.2	82	3.9	4.0	73	83	5.2	6.7
23...	0840	EST	81213	4.9	--	8.3	74	3.8	4.0	70	74	4.2	10.6
29...	0900	EST	81213	3.4	--	9.8	78	4.0	4.1	61	69	1.2	5.7
FEB													
06...	0845	EST	81213	3.1	.77	8.3	73	4.0	4.1	59	63	8.9	10.3
MAR													
19...	1435	EST	81213	>50	2.5	5.6	62	3.7	4.0	73	74	27.8	19.9
APR													
08...	0820	EST	81213	31	2.0	6.2	67	3.8	4.0	68	78	19.2	19.2
MAY													
20...	1340	EST	81213	1.7	1.1	4.1	46	4.2	4.4	36	39	21.0	20.8
JUN													
03...	1420	EST	81213	1.3	--	3.8	43	4.4	4.8	24	29	24.2	21.7
10...	1410	EST	81213	2.8	--	5.1	59	3.9	4.1	56	61	36.7	23.3
18...	0900	EST	81213	18	2.5	5.7	66	3.8	4.0	63	64	25.8	22.5
JUL													
16...	0900	EST	81213	5.0	2.9	4.8	54	3.7	4.2	57	71	28.7	23.4
29...	1430	EST	81213	10	--	5.3	64	3.7	4.0	64	71	32.1	24.9
AUG													
05...	1410	EST	81213	>50	--	5.1	62	3.7	3.9	71	76	27.9	24.2
13...	0845	EST	81213	>50	2.6	5.3	63	3.7	4.0	67	78	25.0	23.9
SEP													
24...	0855	EST	81213	1.0	2.4	2.5	28	4.0	4.5	33	38	24.4	21.9
OCT													
29...	0930	EST	81213	>50	6.0	6.3	68	3.7	4.0	66	73	14.3	17.8
NOV													
19...	0945	EST	81213	14	1.4	6.5	70	3.6	4.1	65	75	17.9	18.1
DEC													
03...	0915	EST	81213	7.3	--	8.8	76	3.8	4.1	62	69	7.9	8.8
10...	1135	EST	81213	5.0	--	9.5	86	4.0	4.1	57	58	18.7	10.9
16...	1430	EST	81213	20	5.8	9.6	85	3.9	4.1	62	70	18.6	9.8

02316950 COW CREEK AT GEORGIA HIGHWAY 11, NEAR STOCKTON, GA--Continued (GEORGIA EPD ID 09011801)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
15...	<1	2	.01	<.020	.02	45.0	.6	120
23...	--	--	--	--	--	--	--	<20
29...	--	--	--	--	--	--	--	230
FEB								
06...	<1	<1	.03	<.020	.02	28.0	.5	<20
MAR								
19...	<1	4	.02	<.020	<.02	69.0	<.1	--
APR								
08...	<1	3	.02	<.020	.04	68.0	1.5	--
MAY								
20...	<1	3	.05	<.020	.08	23.0	.6	80
JUN								
03...	--	--	--	--	--	--	--	80
10...	--	--	--	--	--	--	--	<20
18...	<1	4	.05	.110	.03	42.0	.8	330
JUL								
16...	<1	2	.06	<.020	.04	53.0	1.4	<20
29...	--	--	--	--	--	--	--	<20
AUG								
05...	--	--	--	--	--	--	--	140
13...	<1	2	.02	<.020	<.02	65.0	1.3	20
SEP								
24...	<1	8	.04	<.020	.13	22.0	.7	--
OCT								
29...	<1	5	.02	<.020	.04	45.0	2.3	--
NOV								
19...	<1	<1	1.30	<.020	.03	47.0	1.6	170
DEC								
03...	--	--	--	--	--	--	--	50
10...	--	--	--	--	--	--	--	<20
16...	<1	<1	.03	<.020	.04	36.0	1.8	170

Remark codes used in this report:
< -- Less than
> -- Greater than

02316950 COW CREEK AT GEORGIA HIGHWAY 11, NEAR STOCKTON, GA--Continued (GEORGIA EPD ID 09011801)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
FEB													
06...	0845	EST	81213	3.1	8.3	73	4.0	4.1	59	63	8.9	10.3	.66
MAR													
19...	1435	EST	81213	>50	5.6	62	3.7	4.0	73	74	27.8	19.9	1.20

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
FEB												
06...	.55	<1	<4	<.5	<1	<2	.3	<.1	<1	<4	<2	2
MAR												
19...	.74	<1	<4	<.5	1	<2	1.6	<.1	2	<4	<2	9

Remark codes used in this report:
< -- Less than
> -- Greater than

SUWANNEE RIVER BASIN
2003 Calendar Year

02317590 MUD CREEK AT VANN ROAD, NEAR VALDOSTA, GA
(GEORGIA EPD ID 09013001)

LOCATION.--Lat 30°46'40'', long 83°10'48'' (referenced to North American Datum (NAD) of 1927), Lowndes County, Hydrologic Unit 03110202, at the bridge on Vann Road (County Road 112), 4.1 miles downstream from confluence with Knights Creek, and 6.0 miles southeast of Valdosta.

DRAINAGE AREA.--77.7 square miles.

ELEVATION.--140 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to May 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
15...	0805	EST	81213	49	3.6	10.6	86	7.0	7.2	307	305	2.9	6.8
23...	0730	EST	81213	28	--	8.8	82	7.0	7.2	394	394	7.4	12.1
29...	0750	EST	81213	18	--	10.9	88	7.3	7.2	363	363	-.1	6.5
FEB													
06...	0750	EST	81213	26	3.4	9.1	82	7.1	7.5	350	349	7.7	10.9
MAR													
19...	1535	EST	81213	238	9.0	5.8	67	5.5	5.7	68	68	29.5	22.2
APR													
08...	0700	EST	81213	63	5.0	6.5	72	6.4	6.5	162	168	17.5	20.4
MAY													
20...	1455	EST	81213	134	15	6.8	78	6.2	6.7	122	128	21.6	21.8
JUN													
04...	0730	EST	81213	9.0	--	6.8	79	7.4	7.5	541	578	22.0	22.8
10...	1520	EST	81213	161	--	6.2	77	6.1	6.4	92	99	31.2	25.7
18...	0715	EST	81213	246	7.2	6.0	72	5.7	6.3	63	62	23.7	23.8
JUL													
16...	0700	EST	81213	21	1.7	6.9	82	6.8	7.5	276	283	24.2	24.5
30...	0700	EST	81213	57	--	6.4	78	6.6	6.9	172	179	22.9	24.8
AUG													
06...	0700	EST	81213	122	--	6.4	77	6.4	6.7	131	138	25.5	24.6
13...	0715	EST	81213	78	6.4	6.5	77	6.5	7.1	160	165	23.6	24.4
SEP													
24...	0720	EST	81213	2.8	4.1	6.7	79	7.5	7.9	508	513	19.1	23.2
OCT													
29...	0800	EST	81213	>350	25	6.9	74	5.9	6.3	61	66	12.5	18.4
NOV													
19...	0815	EST	81213	36	5.0	6.9	76	6.9	7.3	287	289	16.7	19.3
DEC													
03...	0800	EST	81213	29	--	9.7	85	6.9	7.4	306	309	4.8	9.8
10...	0725	EST	81213	21	--	9.8	92	7.6	7.3	364	364	15.3	12.4
16...	1530	EST	81213	108	5.0	9.5	88	6.5	6.9	147	151	20.1	11.5

02317590 MUD CREEK AT VANN ROAD, NEAR VALDOSTA, GA--Continued (GEORGIA EPD ID 09013001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
15...	39	8	.04	7.50	.14	35.0	1.3	170
23...	--	--	--	--	--	--	--	<20
29...	--	--	--	--	--	--	--	110
FEB								
06...	49	<1	.10	3.60	.13	22.0	1.1	70
MAR								
19...	8	3	.07	.080	.16	43.0	<.1	--
APR								
08...	17	6	.17	.650	.19	46.0	1.9	--
MAY								
20...	17	11	.08	.510	.23	18.0	1.7	>24000
JUN								
04...	--	--	--	--	--	--	--	50
10...	--	--	--	--	--	--	--	130
18...	11	5	.07	.100	.15	31.0	1.1	310
JUL								
16...	50	12	.05	1.70	.33	22.0	1.4	230
30...	--	--	--	--	--	--	--	790
AUG								
06...	--	--	--	--	--	--	--	260
13...	28	14	.06	.590	.14	36.0	1.2	130
SEP								
24...	108	14	.10	.560	.21	19.0	1.0	--
OCT								
29...	9	19	.02	.380	.25	20.0	2.4	--
NOV								
19...	47	6	.05	.510	.13	28.0	1.4	1300
DEC								
03...	--	--	--	--	--	--	--	50
10...	--	--	--	--	--	--	--	130
16...	22	<1	.04	.540	.11	24.0	2.0	490

Remark codes used in this report:
< -- Less than
> -- Greater than

02317590 MUD CREEK AT VANN ROAD, NEAR VALDOSTA, GA--Continued (GEORGIA EPD ID 09013001)

GA

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
FEB													
06...	0750	EST	81213	26	9.1	82	7.1	7.5	350	349	7.7	10.9	11.0
MAR													
19...	1535	EST	81213	238	5.8	67	5.5	5.7	68	68	29.5	22.2	5.40

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
FEB												
06...	3.20	<1	<4	<.5	<1	<2	2.4	<.1	2	<4	<2	25
MAR												
19...	1.40	<1	<4	<.5	2	<2	2.2	<.1	2	<4	<2	15

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02317668 HARDY MILL CREEK AT SAPPS LAKE ROAD, NEAR ENIGMA, GA (GEORGIA EPD ID 09019501)

LOCATION.--Lat 31°21'44'', long 83°19'30'' (referenced to North American Datum (NAD) of 1927), Berrien County, Hydrologic Unit 03110203, at the bridge on Sapps Lake Road (County Road 230), 0.4 mile west of Sapps Lake, 1.3 miles north of confluence with Cypress Creek and Hardy Mill Creek, and 3.0 miles south of Enigma.

ELEVATION.--240 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, March 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. For the data-collection activity at this station during 2003, if the stream was observed to have insufficient flow, observed to be pooled with no visible flow, or was found to be dry, it was not sampled. The site visit was documented and is presented in the data table coded with parameter 99903 = 9. A stream is defined as "dry" at a station if there is a complete break in the continuity of the cross-section of water perpendicular to the flow that is visible upstream and/or downstream of the cross-section to be sampled.

02317668 HARDY MILL CREEK AT SAPPS LAKE ROAD, NEAR ENIGMA, GA--Continued (GEORGIA EPD ID 09019501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
15...	1140	EST	81213	38	--	13.9	117	6.5	7.0	92	97	8.7	7.9
28...	0840	EST	81213	25	6.7	7.0	55	6.8	6.9	101	100	-.5	5.7
FEB													
06...	1210	EST	81213	56	--	9.8	89	6.5	7.1	100	97	7.9	11.0
12...	1400	EST	81213	56	7.8	10.5	97	6.7	7.2	96	94	18.5	11.9
MAR													
26...	0800	EST	81213	646	16	7.4	77	6.2	6.7	68	68	15.3	17.3
APR													
02...	1505	EST	81213	130	--	9.4	97	6.5	6.9	74	70	24.9	17.4
08...	1320	EST	81213	97	--	6.8	75	6.6	6.7	79	80	18.0	20.7
15...	1255	EST	81213	93	12	7.7	85	6.9	6.8	77	80	26.0	20.3
MAY													
13...	1405	EST	81213	--	--	--	--	--	--	--	--	28.4	--
JUN													
26...	0720	EST	81213	--	--	--	--	--	--	--	--	20.4	--
JUL													
10...	1310	EST	81213	--	--	--	--	--	--	--	--	35.3	--
AUG													
21...	0740	EST	81213	--	--	--	--	--	--	--	--	23.4	--
SEP													
04...	0735	EST	81213	--	--	--	--	--	--	--	--	22.5	--
11...	1030	EST	81213	67	--	6.4	76	6.6	6.8	84	86	26.2	23.6
18...	1430	EST	81213	--	--	--	--	--	--	--	--	28.8	--
25...	0800	EST	81213	3.2	--	5.0	60	6.7	7.0	92	93	20.5	24.2
OCT													
08...	1225	EST	81213	--	--	--	--	--	--	--	--	27.0	--
15...	1400	EST	81213	--	--	--	--	--	--	--	--	23.5	--
NOV													
06...	1420	EST	81213	38	6.8	7.0	84	6.3	7.1	85	90	29.7	24.6
DEC													
09...	1320	EST	81213	18	7.2	9.6	83	6.7	7.0	94	94	21.3	8.9

02317668 HARDY MILL CREEK AT SAPPS LAKE ROAD, NEAR ENIGMA, GA--Continued (GEORGIA EPD ID 09019501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Dist-rict special 99903 (99903)
JAN									
15...	--	--	--	--	--	--	--	<20	--
28...	14	2	.07	.210	.02	12.0	1.0	50	--
FEB									
06...	--	--	--	--	--	--	--	50	--
12...	14	4	.05	.140	<.02	13.0	1.0	110	--
MAR									
26...	15	10	.10	.160	.04	16.0	1.6	60	--
APR									
02...	--	--	--	--	--	--	--	50	--
08...	--	--	--	--	--	--	--	490	--
15...	18	11	.10	.180	.05	<.1	1.7	50	--
MAY									
13...	--	--	--	--	--	--	--	--	9.0
JUN									
26...	--	--	--	--	--	--	--	--	9.0
JUL									
10...	--	--	--	--	--	--	--	--	9.0
AUG									
21...	--	--	--	--	--	--	--	--	9.0
SEP									
04...	--	--	--	--	--	--	--	--	9.0
11...	--	--	--	--	--	--	--	80	--
18...	--	--	--	--	--	--	--	--	9.0
25...	--	--	--	--	--	--	--	20	--
OCT									
08...	--	--	--	--	--	--	--	--	9.0
15...	--	--	--	--	--	--	--	--	9.0
NOV									
06...	20	4	.03	.040	.04	14.0	1.7	--	--
DEC									
09...	18	10	.03	.030	.02	10.0	1.0	--	--

Remark codes used in this report:
< -- Less than

02317668 HARDY MILL CREEK AT SAPPS LAKE ROAD, NEAR ENIGMA, GA--Continued (GEORGIA EPD ID 09019501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
28...	0840	EST	81213	25	7.0	55	6.8	6.9	101	100	-.5	5.7	5.60
APR													
15...	1255	EST	81213	93	7.7	85	6.9	6.8	77	80	26.0	20.3	5.70

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
28...	3.10	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	5
APR												
15...	2.80	<1	<4	<.5	<1	<2	1.1	<.1	<1	<4	<2	5

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02317700 WITHLACOOCHEE RIVER AT GEORGIA HIGHWAY 76, NEAR NASHVILLE, GA

(GEORGIA EPD ID 09019901)

LOCATION.--Lat 31°11'54", long 83°16'21" (referenced to North American Datum (NAD) of 1927), Berrien County, Hydrologic Unit 03110203, at the bridge on Georgia Highway 76, 0.3 mile downstream from confluence with Reedy Creek, and 0.6 mile west of Nashville.

DRAINAGE AREA.--132 square miles.

ELEVATION.--182.9 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, March 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
15...	1520	EST	81213	46	--	11.5	95	6.0	6.6	85	84	17.3	7.6
27...	1105	EST	81213	27	2.0	7.5	57	6.5	6.4	89	92	5.5	4.2
FEB													
05...	1300	EST	81213	36	--	9.1	83	6.1	6.8	90	86	15.1	11.1
13...	1220	EST	81213	65	3.4	10.5	91	6.5	6.7	78	77	15.3	9.8
MAR													
27...	0900	EST	81213	309	12	6.8	73	5.6	6.4	52	52	19.3	19.0
APR													
14...	1025	EST	81213	494	9.3	7.2	73	6.1	6.1	53	55	26.4	16.3
MAY													
12...	1230	EST	81213	6.5	9.2	3.9	46	6.2	6.7	79	81	30.1	23.9
19...	0930	EST	81213	7.8	--	4.6	53	6.2	--	--	80	27.0	22.1
JUN													
02...	0940	EST	81213	<.68	4.2	4.8	55	6.2	6.5	75	76	25.0	21.8
09...	0915	EST	81213	254	--	6.1	72	5.8	6.0	63	64	30.9	23.6
JUL													
07...	0930	EST	81213	374	8.6	7.7	93	5.7	6.1	51	90	26.0	24.7
21...	0900	EST	81213	14	--	6.8	82	6.1	6.3	67	69	28.0	24.5
28...	0840	EST	81213	406	--	8.2	100	5.8	6.0	58	59	31.5	24.8
AUG													
04...	1000	EST	81213	869	12	5.7	69	5.6	5.9	46	47	28.5	24.8
SEP													
08...	0915	EST	81213	1260	9.8	5.0	59	5.5	5.8	40	41	28.0	22.7
OCT													
06...	0915	EST	81213	3.6	4.0	5.2	56	6.3	6.7	79	80	25.5	19.0
NOV													
17...	1100	EST	81213	24	3.1	7.2	70	6.5	6.6	74	75	26.0	14.6
DEC													
01...	1000	EST	81213	23	--	9.9	84	6.4	6.5	75	73	13.0	8.1
08...	0930	EST	81213	13	2.6	10.4	87	6.5	6.6	77	75	10.5	7.2
15...	0930	EST	81213	101	--	11.5	100	6.3	6.4	68	67	8.0	9.0

02317700 WITHLACOOCHEE RIVER AT GEORGIA HIGHWAY 76, NEAR NASHVILLE, GA--Continued

(GEORGIA EPD ID 09019901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
15...	--	--	--	--	--	--	--	<20
27...	7	1	.04	.180	.02	15.0	.6	50
FEB								
05...	--	--	--	--	--	--	--	<20
13...	7	3	.03	.060	.02	17.0	.9	130
MAR								
27...	9	8	.19	.070	.07	27.0	1.8	80
APR								
14...	8	2	.06	.130	.06	23.0	1.2	--
MAY								
12...	17	16	.11	.120	.08	26.0	1.3	170
19...	--	--	--	--	--	--	--	1700
JUN								
02...	16	14	.05	.110	.06	21.0	1.3	210
09...	--	--	--	--	--	--	--	490
JUL								
07...	8	4	.04	.120	.05	22.0	1.2	220
21...	--	--	--	--	--	--	--	<20
28...	--	--	--	--	--	--	--	40
AUG								
04...	7	5	.03	.060	.05	25.0	1.4	130
SEP								
08...	6	3	.04	.060	.05	23.0	1.3	--
OCT								
06...	17	4	.08	.120	.06	18.0	.3	--
NOV								
17...	13	1	.04	.050	.04	17.0	.8	120
DEC								
01...	--	--	--	--	--	--	--	230
08...	13	3	.03	.060	.03	13.0	.5	80
15...	--	--	--	--	--	--	--	40

Remark codes used in this report:
< -- Less than

02317700 WITHLACOOCHEE RIVER AT GEORGIA HIGHWAY 76, NEAR NASHVILLE, GA--Continued

(GEORGIA EPD ID 09019901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
27...	1105	EST	81213	27	7.5	57	6.5	6.4	89	92	5.5	4.2	4.20
APR													
14...	1025	EST	81213	494	7.2	73	6.1	6.1	53	55	26.4	16.3	3.30

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
27...	2.70	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	5
APR												
14...	1.90	<1	<4	<.5	1	<2	1.1	<.1	<1	<4	<2	8

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02317718 NEW RIVER AT US HIGHWAY 82, NEAR TIFTON, GA
(GEORGIA EPD ID 09018301)

LOCATION.--Lat 31°26'33", long 83°28'33" (referenced to North American Datum (NAD) of 1927), Tift County, Hydrologic Unit 03110203, at the bridge on US Highway 82, 4.7 miles upstream from confluence with Gum Creek, and 1.6 miles southeast of Tifton.

ELEVATION.--310 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1979 to February 1994, January 1998 to August 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
13...	1525	EST	81213	55	--	13.1	--	7.4	8.0	314	--	12.0	13.2
30...	1420	EST	81213	45	4.6	9.7	96	7.7	7.7	415	420	15.3	14.8
FEB													
04...	1350	EST	81213	59	--	10.2	105	7.4	7.9	310	294	19.6	16.1
11...	0930	EST	81213	56	7.8	10.0	96	7.4	8.0	330	328	9.5	13.4
MAR													
25...	1200	EST	81213	89	12	8.3	89	7.0	7.4	195	202	25.7	19.0
APR													
03...	1350	EST	81213	--	--	11.6	--	7.2	7.5	277	--	26.6	20.5
09...	1150	EST	81213	>113	--	8.0	87	7.0	6.8	146	151	21.4	18.8
15...	1200	EST	81213	8.5	9.1	8.5	--	7.5	7.0	244	--	24.8	21.9
MAY													
14...	1340	EST	81213	39	3.1	9.3	113	7.7	8.0	486	491	28.0	25.1
JUN													
25...	1115	EST	81213	<3.6	3.0	7.7	96	7.3	7.8	414	427	29.7	26.8
JUL													
09...	1335	EST	81213	53	7.1	7.4	96	7.3	7.5	327	341	35.3	28.9
AUG													
20...	1200	EST	81213	75	11	6.1	76	7.2	7.3	216	225	31.3	27.1
SEP													
03...	1045	EST	81213	75	--	7.3	92	7.3	7.6	228	233	31.5	27.1
09...	1320	EST	81213	<3.6	--	7.5	93	7.2	6.8	274	288	29.8	26.3
16...	1340	EST	81213	47	3.4	8.0	101	7.5	7.9	375	391	30.9	27.6
24...	1100	EST	81213	47	--	6.2	75	7.4	7.5	462	473	25.0	25.7
OCT													
07...	1425	EST	81213	43	2.8	8.4	103	7.6	8.2	537	542	25.3	25.5
14...	1345	EST	81213	38	--	7.6	95	7.6	7.9	490	500	30.6	25.9
NOV													
05...	1610	EST	81213	48	5.1	7.7	93	7.3	8.0	363	375	28.7	24.7
DEC													
10...	1430	EST	81213	108	31	9.7	96	7.2	7.7	274	280	19.0	13.9

02317718 NEW RIVER AT US HIGHWAY 82, NEAR TIFTON, GA--Continued (GEORGIA EPD ID 09018301)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
13...	--	--	--	--	--	--	--	330
30...	91	9	.37	2.10	1.10	7.1	1.0	2400
FEB								
04...	--	--	--	--	--	--	--	330
11...	74	6	.84	.910	.77	8.1	1.6	490
MAR								
25...	44	7	1.20	.490	.28	6.4	2.3	700
APR								
03...	--	--	--	--	--	--	--	170
09...	--	--	--	--	--	--	--	<20
15...	56	7	2.00	.920	.75	5.6	3.4	5400
MAY								
14...	117	4	.07	1.70	.40	5.6	E1.2	--
JUN								
25...	100	1	.14	.340	1.40	6.9	.4	--
JUL								
09...	78	6	2.40	2.00	.69	8.4	4.5	--
AUG								
20...	53	4	1.10	1.00	.49	7.6	2.5	330
SEP								
03...	--	--	--	--	--	--	--	330
09...	--	--	--	--	--	--	--	40
16...	98	3	.84	2.90	.35	7.2	1.2	<20
24...	--	--	--	--	--	--	--	80
OCT								
07...	134	5	.06	2.00	1.20	6.5	1.1	90
14...	--	--	--	--	--	--	--	120
NOV								
05...	91	6	.12	1.60	.39	5.4	1.0	--
DEC								
10...	80	33	.34	1.00	.43	6.1	E2.4	--

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value

02317718 NEW RIVER AT US HIGHWAY 82, NEAR TIFTON, GA--Continued (GEORGIA EPD ID 09018301)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
30...	1420	EST	81213	45	9.7	96	7.7	7.7	415	420	15.3	14.8	26.0
APR													
15...	1200	EST	81213	8.5	8.5	--	7.5	7.0	244	--	24.8	21.9	19.0

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
30...	5.70	<1	<4	<.5	<1	6	<.1	<.1	1	<4	<2	67
APR												
15...	4.10	<1	<4	<.5	<1	8	.8	<.1	<1	<4	<2	42

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02317729 NEW RIVER AT LENOX-BROOKFIELD ROAD, NEAR LENOX, GA (GEORGIA EPD ID 09019001)

LOCATION.--Lat 31°17'39'', long 83°25'14'' (referenced to North American Datum (NAD) of 1927), Berrien-Cook County line, Hydrologic Unit 03110203, at the bridge on Lenox-Brookfield Road (County Road 252), 1.4 miles downstream from confluence with Reedy Creek, and 2.8 miles northeast of Lenox.

ELEVATION.--240 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929, from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to August 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
15...	1220	EST	81213	50	--	13.0	107	7.0	7.6	172	170	10.7	7.0
28...	0720	EST	81213	35	3.2	3.2	25	7.2	7.5	223	220	-3.1	4.3
FEB													
05...	1155	EST	81213	37	--	9.3	84	7.1	7.7	212	201	17.6	10.6
12...	1455	EST	81213	62	5.3	11.3	102	7.3	7.6	160	160	21.1	10.7
MAR													
26...	0700	EST	81213	173	13	6.3	66	6.7	7.2	104	105	12.2	17.6
APR													
02...	1555	EST	81213	84	--	9.0	91	6.9	7.5	133	123	26.4	16.2
09...	0655	EST	81213	246	--	6.3	68	6.8	6.7	110	111	16.6	18.2
14...	0550	EST	81213	171	11	7.5	77	7.0	7.0	101	104	11.4	16.9
MAY													
13...	1440	EST	81213	8.0	4.4	5.2	61	7.2	7.6	213	225	31.9	23.1
JUN													
26...	0645	EST	81213	24	4.8	5.4	64	6.6	7.5	148	150	19.2	24.0
JUL													
09...	1435	EST	81213	48	6.5	6.6	82	7.1	7.5	133	137	34.5	26.8
AUG													
21...	0715	EST	81213	97	5.3	5.3	64	7.0	7.5	117	119	23.3	25.6
SEP													
04...	0700	EST	81213	94	--	4.9	60	6.8	7.1	108	109	22.6	25.6
10...	1425	EST	81213	112	--	6.2	73	6.8	7.3	107	111	27.8	23.5
17...	1410	EST	81213	20	5.0	5.9	70	7.0	7.7	173	179	29.2	24.1
25...	0720	EST	81213	13	--	5.5	64	7.2	7.5	244	251	20.4	22.8
OCT													
08...	1420	EST	81213	5.9	1.8	6.4	73	7.2	8.2	378	383	25.6	21.4
15...	1440	EST	81213	9.6	--	6.7	74	7.2	8.0	366	369	24.5	20.1
NOV													
06...	1525	EST	81213	40	2.9	5.8	68	6.7	7.4	162	177	29.9	23.0
DEC													
09...	1415	EST	81213	17	3.4	10.5	90	6.9	7.7	282	280	24.8	8.7

02317729 NEW RIVER AT LENOX-BROOKFIELD ROAD, NEAR LENOX, GA--Continued (GEORGIA EPD ID 09019001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
15...	--	--	--	--	--	--	--	<20
28...	80	<1	.02	.700	.08	13.0	.8	230
FEB								
05...	--	--	--	--	--	--	--	230
12...	30	6	.03	.100	.09	13.0	.9	90
MAR								
26...	26	6	.09	.310	.22	16.0	1.6	20
APR								
02...	--	--	--	--	--	--	--	<20
09...	--	--	--	--	--	--	--	20
14...	23	2	.05	.360	.15	14.0	1.1	80
MAY								
13...	61	3	.08	.260	.19	12.0	.8	--
JUN								
26...	42	4	.04	.230	.15	13.0	1.3	--
JUL								
09...	38	5	.03	.170	.16	14.0	1.2	--
AUG								
21...	34	4	.04	.110	.15	17.0	1.0	130
SEP								
04...	--	--	--	--	--	--	--	110
10...	--	--	--	--	--	--	--	80
17...	48	1	.04	.180	.11	13.0	.4	80
25...	--	--	--	--	--	--	--	330
OCT								
08...	102	1	.04	.070	.05	7.6	.6	70
15...	--	--	--	--	--	--	--	490
NOV								
06...	41	1	.03	.100	.08	13.0	1.0	--
DEC								
09...	50	<1	.03	.140	.07	10.0	.8	--

Remark codes used in this report:
< -- Less than

02317729 NEW RIVER AT LENOX-BROOKFIELD ROAD, NEAR LENOX, GA--Continued (GEORGIA EPD ID 09019001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
28...	0720	EST	81213	35	3.2	25	7.2	7.5	223	220	-3.1	4.3	13.0
APR													
14...	0550	EST	81213	171	7.5	77	7.0	7.0	101	104	11.4	16.9	7.00

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
28...	4.30	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	15
APR												
14...	2.80	<1	<4	<.5	<1	<2	1.1	<.1	<1	<4	<2	6

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02317734 NEW RIVER AT GEORGIA HIGHWAY 76, NEAR NASHVILLE, GA (GEORGIA EPD ID 09019201)

LOCATION.--Lat 31°10'37", long 83°19'20" (referenced to North American Datum (NAD) of 1927), Cook-Berrien County line, Hydrologic Unit 03110203, at the bridge on Georgia Highway 76, 1.2 miles downstream from confluence with Brushy Creek, and 3.9 miles southwest of Nashville.

DRAINAGE AREA.--146 square miles.

ELEVATION.--175.6 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1958 to May 1958, January 1998 to December 1998, March 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
15...	1450	EST	81213	76	--	11.6	95	6.8	7.4	123	127	17.7	7.0
27...	1015	EST	81213	48	2.9	4.8	37	7.4	7.4	160	164	4.5	4.6
FEB													
05...	1240	EST	81213	57	--	8.9	80	6.9	7.5	167	160	18.1	10.6
13...	1155	EST	81213	97	3.2	10.5	91	7.2	7.5	135	132	12.4	9.3
MAR													
27...	0840	EST	81213	204	12	6.6	70	6.3	7.1	78	79	18.0	18.7
APR													
14...	0945	EST	81213	333	16	7.6	77	6.7	6.7	72	76	18.9	16.4
MAY													
12...	1320	EST	81213	17	5.0	4.5	54	6.8	7.3	141	144	31.2	24.9
19...	1000	EST	81213	41	--	4.9	57	6.7	--	--	137	28.1	22.7
JUN													
02...	1120	EST	81213	--	3.5	6.2	72	6.8	7.2	146	150	27.0	22.8
09...	0940	EST	81213	261	--	6.8	80	6.5	6.7	126	129	31.3	24.2
JUL													
07...	1000	EST	81213	247	8.0	6.8	81	6.3	6.8	80	78	28.0	25.0
21...	0920	EST	81213	19	--	7.2	88	6.7	7.0	127	130	28.5	25.4
28...	0905	EST	81213	346	--	6.8	83	6.2	6.5	78	79	30.0	25.1
AUG													
04...	1040	EST	81213	404	8.6	6.8	83	6.3	6.6	66	70	30.0	24.9
SEP													
08...	0945	EST	81213	859	8.2	5.5	64	6.0	6.3	52	55	24.5	22.5
OCT													
06...	0945	EST	81213	8.5	4.0	5.7	63	6.8	7.4	185	186	25.5	19.6
NOV													
17...	1130	EST	81213	29	4.5	7.3	72	6.8	7.2	151	152	26.5	15.1
DEC													
01...	1030	EST	81213	38	--	10.3	87	6.9	7.1	170	167	13.0	8.1
08...	1000	EST	81213	21	4.0	9.3	79	7.0	7.3	180	174	16.0	7.8
15...	1000	EST	81213	123	--	10.9	95	6.6	6.9	138	135	11.5	9.3

02317734 NEW RIVER AT GEORGIA HIGHWAY 76, NEAR NASHVILLE, GA--Continued (GEORGIA EPD ID 09019201)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
15...	--	--	--	--	--	--	--	<20
27...	27	<1	.02	.280	.06	12.0	.8	20
FEB								
05...	--	--	--	--	--	--	--	130
13...	23	3	.03	.030	.05	16.0	1.0	80
MAR								
27...	17	7	.15	.160	.16	20.0	1.8	130
APR								
14...	14	14	.06	.190	.12	17.0	1.4	--
MAY								
12...	40	4	.10	.140	.17	17.0	.9	20
19...	--	--	--	--	--	--	--	1300
JUN								
02...	41	3	.07	.160	.12	16.0	1.0	50
09...	--	--	--	--	--	--	--	270
JUL								
07...	18	4	.06	.100	.10	19.0	1.1	790
21...	--	--	--	--	--	--	--	140
28...	--	--	--	--	--	--	--	80
AUG								
04...	15	6	.04	.070	.09	22.0	1.2	<20
SEP								
08...	10	2	.04	.070	.08	22.0	1.2	--
OCT								
06...	50	2	.06	.140	.06	12.0	.3	--
NOV								
17...	37	<1	.03	.060	.07	13.0	.6	50
DEC								
01...	--	--	--	--	--	--	--	80
08...	38	2	1.10	.070	.05	10.0	.6	80
15...	--	--	--	--	--	--	--	110

Remark codes used in this report:
< -- Less than

02317734 NEW RIVER AT GEORGIA HIGHWAY 76, NEAR NASHVILLE, GA--Continued (GEORGIA EPD ID 09019201)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
27...	1015	EST	81213	48	4.8	37	7.4	7.4	160	164	4.5	4.6	9.10
APR													
14...	0945	EST	81213	333	7.6	77	6.7	6.7	72	76	18.9	16.4	4.80

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
27...	3.60	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	9
APR												
14...	2.20	<1	<4	<.5	1	2	1.5	<.1	<1	<4	<2	6

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02317740 BEAR CREEK AT BOYETTE POND ROAD, NEAR ADEL, GA
(GEORGIA EPD ID 09027101)

LOCATION.--Lat 31°06'50'', long 83°20'23'' (referenced to North American Datum (NAD) of 1927), Cook County, Hydrologic Unit 03110203, at the culvert on Boyette Pond Road (County Road 32), 0.6 mile north of Boyette Pond, 1.1 miles west of confluence with Withlacoochee River, and 5.3 miles east of Adel.

ELEVATION.--180 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to August 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
16...	0905	EST	81213	18	--	11.7	94	6.8	7.1	124	133	2.1	6.1
27...	1325	EST	81213	10	2.8	4.3	35	6.9	7.1	162	169	10.8	6.2
FEB													
05...	1445	EST	81213	16	--	8.9	82	6.5	7.2	201	191	17.7	11.9
13...	1420	EST	81213	137	6.1	10.9	99	7.2	7.4	158	160	18.9	11.6
MAR													
27...	1030	EST	81213	E333	9.2	5.7	61	6.0	6.7	91	93	18.9	18.8
APR													
14...	1340	EST	81213	66	8.4	7.9	86	6.6	6.6	96	99	29.3	19.6
MAY													
13...	0630	EST	81213	6.3	11	4.7	54	6.5	6.9	117	122	23.5	22.5
19...	1230	EST	81213	16	--	5.3	64	6.4	--	--	146	32.0	24.1
JUN													
02...	1355	EST	81213	3.7	9.5	4.2	54	6.4	6.9	156	165	30.0	24.5
09...	1005	EST	81213	81	--	5.8	69	6.1	6.3	92	94	31.3	24.7
JUL													
07...	1210	EST	81213	31	5.0	5.8	72	6.0	6.5	78	96	31.0	26.6
21...	1120	EST	81213	9.7	--	5.3	66	6.3	6.6	100	103	32.0	26.5
28...	1055	EST	81213	43	--	7.1	88	6.1	6.3	65	69	30.0	26.1
AUG													
04...	1150	EST	81213	49	7.2	6.3	78	6.2	6.6	79	82	35.0	26.2
SEP													
08...	1140	EST	81213	68	6.6	5.2	60	5.9	6.3	60	62	27.5	23.0
OCT													
06...	1215	EST	81213	25	6.4	6.4	72	6.1	6.9	202	205	30.5	20.7
NOV													
17...	1330	EST	81213	10	4.2	7.0	72	6.1	6.9	116	120	30.0	16.4
DEC													
01...	1200	EST	81213	12	--	9.1	79	6.2	6.6	108	107	19.5	9.2
08...	1200	EST	81213	9.7	4.5	9.8	83	6.5	6.9	145	142	15.0	8.1
15...	1130	EST	81213	22	--	11.0	96	6.5	6.6	101	98	12.0	9.4

02317740 BEAR CREEK AT BOYETTE POND ROAD, NEAR ADEL, GA--Continued (GEORGIA EPD ID 09027101)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
16...	--	--	--	--	--	--	--	70
27...	19	6	.04	.710	.10	14.0	.8	40
FEB								
05...	--	--	--	--	--	--	--	<20
13...	24	16	.04	.380	.19	22.0	2.7	330
MAR								
27...	13	7	.10	.310	.24	31.0	2.6	170
APR								
14...	14	3	.06	.370	.15	26.0	1.7	--
MAY								
13...	21	7	.14	.240	.32	30.0	1.4	50
19...	--	--	--	--	--	--	--	1300
JUN								
02...	29	10	.13	.120	.28	--	2.0	50
09...	--	--	--	--	--	--	--	230
JUL								
07...	13	3	.04	.100	.19	26.0	1.1	5400
21...	--	--	--	--	--	--	--	20
28...	--	--	--	--	--	--	--	220
AUG								
04...	16	8	.07	.210	.20	24.0	1.4	220
SEP								
08...	11	2	.06	.100	.14	25.0	1.0	--
OCT								
06...	27	6	.07	.360	.17	15.0	.3	--
NOV								
17...	21	2	.06	.320	.14	14.0	.8	130
DEC								
01...	--	--	--	--	--	--	--	460
08...	19	<1	.06	.670	.10	13.0	.8	110
15...	--	--	--	--	--	--	--	1700

Remark codes used in this report:
< -- Less than
E -- Estimated value

02317740 BEAR CREEK AT BOYETTE POND ROAD, NEAR ADEL, GA--Continued (GEORGIA EPD ID 09027101)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
27...	1325	EST	81213	10	4.3	35	6.9	7.1	162	169	10.8	6.2	7.30
APR													
14...	1340	EST	81213	66	7.9	86	6.6	6.6	96	99	29.3	19.6	5.30

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
27...	3.60	<1	<4	<.5	2	<2	<.1	<.1	3	<4	<2	6
APR												
14...	2.30	<1	<4	<.5	3	3	1.0	<.1	4	<4	<2	12

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02317757 WITHLACOOCHEE RIVER AT GEORGIA HIGHWAY 94, NEAR VALDOSTA, GA

(GEORGIA EPD ID 09036001)

LOCATION.--Lat 30°51'00", long 83°20'23" (referenced to North American Datum (NAD) of 1927), Lowndes County, Hydrologic Unit 03110203, at the bridge on Georgia Highway 94, 0.8 mile upstream from confluence with Little River, and 4.0 miles northwest of Valdosta.

DRAINAGE AREA.--552 square miles.

ELEVATION.--110 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1974 to February 1994, January 1998 to December 1998, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

02317757 WITHLACOOCHEE RIVER AT GEORGIA HIGHWAY 94, NEAR VALDOSTA, GA--Continued

(GEORGIA EPD ID 09036001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- tance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
09...	1230	EST	81213	343	6.7	10.7	91	6.1	6.7	84	84	19.5	8.1
FEB													
27...	1250	EST	81213	407	23	8.3	83	6.4	6.6	64	65	23.6	15.0
MAR													
05...	1020	EST	81213	2310	--	7.1	69	5.6	5.7	65	59	21.8	13.6
10...	1640	EST	81213	>5500	--	6.3	65	5.5	6.0	42	45	25.6	16.7
20...	1050	EST	81213	1050	10	5.0	56	5.8	6.3	60	58	31.4	20.5
APR													
09...	1545	EST	81213	594	40	6.4	70	6.5	6.4	56	57	17.0	19.3
MAY													
20...	1145	EST	81213	<1.0	19	5.6	65	6.5	6.8	64	67	21.1	23.0
JUN													
03...	1245	EST	81213	<1.0	--	6.0	73	6.5	6.8	99	109	23.7	24.2
10...	1100	EST	81213	<1.0	--	5.9	72	6.4	6.6	70	74	33.3	25.6
17...	1400	EST	81213	12	16	5.4	67	6.3	6.8	77	82	33.0	26.2
JUL													
15...	1515	EST	81213	<1.0	6.4	5.3	63	6.2	6.8	80	85	32.5	26.5
29...	1330	EST	81213	1120	--	5.0	62	5.6	6.0	55	60	32.6	26.1
AUG													
05...	1300	EST	81213	586	--	5.2	63	5.9	6.3	57	62	30.0	25.3
12...	1400	EST	81213	990	7.0	5.0	61	5.7	6.5	57	62	24.4	25.4
SEP													
23...	1500	EST	81213	<1.0	6.7	5.3	64	6.1	6.8	73	81	29.7	24.6
OCT													
28...	1445	EST	81213	<1.0	44	6.6	75	6.5	7.1	78	82	18.1	20.8
NOV													
18...	1455	EST	81213	<1.0	12	7.8	82	6.2	6.9	91	96	27.4	17.1
DEC													
02...	1315	EST	81213	<1.0	--	10.0	88	6.4	6.7	78	81	15.9	9.9
09...	1355	EST	81213	<1.0	--	10.0	88	6.6	6.8	90	90	17.6	10.1
16...	1235	EST	81213	5.0	9.0	9.9	88	6.5	6.8	83	86	17.5	10.3

02317757 WITHLACOOCHEE RIVER AT GEORGIA HIGHWAY 94, NEAR VALDOSTA, GA--Continued

(GEORGIA EPD ID 09036001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
09...	9	3	.03	.030	.07	22.0	1.8	--
FEB								
27...	11	31	.02	.060	.12	16.0	1.5	5400
MAR								
05...	--	--	--	--	--	--	--	50
10...	--	--	--	--	--	--	--	490
20...	10	3	.05	.060	.12	27.0	1.0	<20
APR								
09...	12	36	.13	.100	.18	20.0	2.3	--
MAY								
20...	18	4	.18	.240	.12	7.6	2.0	>24000
JUN								
03...	--	--	--	--	--	--	--	1300
10...	--	--	--	--	--	--	--	490
17...	16	17	.07	.110	.14	18.0	1.5	230
JUL								
15...	16	6	.08	.140	.14	19.0	1.0	20
29...	--	--	--	--	--	--	--	270
AUG								
05...	--	--	--	--	--	--	--	130
12...	11	5	.03	.040	.09	24.0	1.1	20
SEP								
23...	16	2	.09	.170	.11	18.0	.8	--
OCT								
28...	22	101	.09	.220	.42	7.4	2.8	--
NOV								
18...	19	12	.06	.110	.14	16.0	.4	<20
DEC								
02...	--	--	--	--	--	--	--	460
09...	--	--	--	--	--	--	--	140
16...	13	5	.04	.090	.13	14.0	1.8	220

Remark codes used in this report:
< -- Less than
> -- Greater than

02317757 WITHLACOOCHEE RIVER AT GEORGIA HIGHWAY 94, NEAR VALDOSTA, GA--Continued

(GEORGIA EPD ID 09036001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
09...	1230	EST	81213	343	10.7	91	6.1	6.7	84	84	19.5	8.1	4.40
FEB													
27...	1250	EST	81213	407	8.3	83	6.4	6.6	64	65	23.6	15.0	4.50

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
09...	2.30	<1	<4	<.5	<1	<2	.7	<.1	<1	<4	<2	9
FEB												
27...	1.60	<1	<4	<.5	1	<2	3.7	<.1	<1	<4	<2	14

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02317771 LITTLE RIVER AT GEORGIA HIGHWAY 112, NEAR ASHBURN, GA (GEORGIA EPD ID 09036101)

LOCATION.--Lat 31°40'28", long 83°41'26" (referenced to North American Datum (NAD) of 1927), Turner County, Hydrologic Unit 03110204, at the bridge on Georgia Highway 112, 0.6 mile downstream from confluence with Newell Branch, 1.7 miles upstream from confluence with Ashburn Branch, and 1.9 miles southwest of Ashburn.

DRAINAGE AREA.--20.1 square miles.

ELEVATION.--340 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, March 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharges furnished by the U.S. Department of Agriculture, Agricultural Research Service, Tifton, GA. For the data-collection activity at this station during 2003, if the stream was observed to have insufficient flow, observed to be pooled with no visible flow, or was found to be dry, it was not sampled. The site visit was documented and is presented in the data table coded with parameter 99903 = 9. A stream is defined as "dry" at a station if there is a complete break in the continuity of the cross-section of water perpendicular to the flow that is visible upstream and/or downstream of the cross-section to be sampled.

02317771 LITTLE RIVER AT GEORGIA HIGHWAY 112, NEAR ASHBURN, GA--Continued (GEORGIA EPD ID 09036101)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
13...	1115	EST	81213	20	--	10.5	84	6.1	6.7	64	57	6.0	6.1
29...	0710	EST	81213	13	3.1	9.9	78	6.1	6.5	66	67	8.0	5.0
FEB													
03...	1510	EST	81213	12	--	9.9	91	6.4	6.4	68	66	22.4	11.5
10...	0900	EST	81213	21	5.9	9.2	82	6.0	6.7	62	60	11.9	9.8
MAR													
24...	0640	EST	81213	49	9.7	7.8	78	6.0	6.2	49	52	9.4	15.0
APR													
01...	1410	EST	81213	26	--	9.9	95	5.9	6.7	54	51	22.0	13.7
08...	0600	EST	81213	49	--	5.9	63	6.1	6.1	55	59	18.1	18.4
17...	0610	EST	81213	22	11	6.5	69	6.5	6.5	55	59	15.9	17.4
MAY													
15...	1240	EST	81213	1.7	10	2.9	33	6.3	7.0	79	81	29.1	19.8
JUN													
24...	0530	EST	81213	24	7.7	5.2	60	5.7	6.5	60	61	18.6	22.2
JUL													
08...	1025	EST	81213	31	16	7.2	87	6.0	6.7	79	82	31.0	24.3
AUG													
19...	0715	EST	81213	7.7	8.8	3.1	38	6.4	7.1	82	85	23.0	24.4
SEP													
02...	0710	EST	81213	4.6	--	3.2	38	6.3	6.7	75	78	23.9	24.2
09...	0820	EST	81213	7.7	--	5.7	65	6.5	7.0	72	90	25.0	21.3
16...	0905	EST	81213	.86	8.9	1.6	18	5.9	6.7	76	90	23.9	22.2
23...	0720	EST	81213	.11	--	2.0	24	6.3	6.8	87	90	20.4	23.8
OCT													
07...	0930	EST	81213	--	--	--	--	--	--	--	--	22.0	--
14...	1020	EST	81213	.53	--	1.9	22	5.9	6.3	73	76	25.2	21.3
NOV													
04...	1130	EST	81213	.39	5.3	2.5	27	5.8	6.5	75	81	25.7	19.3
DEC													
11...	0955	EST	81213	2.4	7.0	7.8	67	7.6	6.6	85	102	8.7	8.8

02317771 LITTLE RIVER AT GEORGIA HIGHWAY 112, NEAR ASHBURN, GA--Continued (GEORGIA EPD ID 09036101)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Dist-rict special 99903 (99903)
JAN									
13...	--	--	--	--	--	--	--	20	--
29...	6	2	.04	.180	<.02	9.0	.8	220	--
FEB									
03...	--	--	--	--	--	--	--	490	--
10...	6	2	.06	.120	<.02	9.1	1.0	330	--
MAR									
24...	8	8	.11	.090	.02	14.0	1.4	50	--
APR									
01...	--	--	--	--	--	--	--	20	--
08...	--	--	--	--	--	--	--	9200	--
17...	9	9	.16	.120	.03	12.0	1.4	170	--
MAY									
15...	20	13	.26	.040	.04	17.0	1.6	--	--
JUN									
24...	9	5	.08	.090	.03	14.0	.8	--	--
JUL									
08...	12	8	.08	.080	.03	14.0	1.8	--	--
AUG									
19...	20	9	.18	.100	<.02	16.0	.9	20	--
SEP									
02...	--	--	--	--	--	--	--	330	--
09...	--	--	--	--	--	--	--	220	--
16...	19	13	.20	.030	.04	15.0	1.3	<20	--
23...	--	--	--	--	--	--	--	110	--
OCT									
07...	--	--	--	--	--	--	--	--	9.0
14...	--	--	--	--	--	--	--	110	--
NOV									
04...	11	6	.05	<.020	.05	12.0	1.8	--	--
DEC									
11...	10	3	.03	.020	.03	11.0	1.1	--	--

Remark codes used in this report:
< -- Less than

02317771 LITTLE RIVER AT GEORGIA HIGHWAY 112, NEAR ASHBURN, GA--Continued (GEORGIA EPD ID 09036101)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
29...	0710	EST	81213	13	9.9	78	6.1	6.5	66	67	8.0	5.0	3.20
APR													
17...	0610	EST	81213	22	6.5	69	6.5	6.5	55	59	15.9	17.4	3.30

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
29...	2.40	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	3
APR												
17...	2.20	<1	<4	<.5	<1	<2	.9	<.1	<1	<4	<2	4

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02317797 LITTLE RIVER AT TIFTON-WORTH COUNTY LINE ROAD, NEAR TIFTON, GA (GEORGIA EPD ID 09036501)

LOCATION.--Lat 31°28'54'', long 83°35'03'' (referenced to North American Datum (NAD) of 1927), Tift County, Hydrologic Unit 03110204, at the bridge on Tifton-Worth County Line Road, 0.4 mile downstream from confluence with Old Field Creek, 0.5 mile upstream from confluence with Big Branch, and 3.4 miles northwest of Tifton.

DRAINAGE AREA.--129 square miles.

ELEVATION.--270 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharges furnished by the U.S. Department of Agriculture, Agricultural Research Service, Tifton, GA.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
14...	1100	EST	81213	86	--	8.7	70	6.1	6.7	84	75	9.0	6.3
30...	1315	EST	81213	45	3.4	7.2	61	6.6	6.6	101	97	15.7	8.2
FEB													
04...	1420	EST	81213	50	--	6.5	62	6.3	6.7	89	85	17.6	12.3
11...	1010	EST	81213	151	4.7	7.3	65	6.3	7.0	85	82	8.1	10.2
MAR													
25...	1115	EST	81213	375	12	4.0	42	6.1	6.8	69	69	23.9	17.7
APR													
03...	1315	EST	81213	110	--	5.2	53	6.2	6.8	82	78	25.1	16.4
09...	1105	EST	81213	251	--	2.0	22	6.4	6.5	91	100	21.7	18.5
15...	1040	EST	81213	238	9.5	3.7	39	6.6	6.7	76	79	25.8	18.8
MAY													
14...	1250	EST	81213	7.4	15	.3	3	6.4	6.8	115	122	30.8	20.6
JUN													
25...	1015	EST	81213	137	5.8	.2	2	5.8	6.6	78	77	29.2	25.0
JUL													
09...	1245	EST	81213	76	41	1.6	20	6.2	6.6	92	88	34.4	25.6
AUG													
20...	1105	EST	81213	71	3.0	.5	7	6.5	7.0	92	92	30.5	25.3
SEP													
03...	1015	EST	81213	92	--	.4	4	6.3	6.8	94	95	29.5	25.4
10...	1345	EST	81213	131	--	1.5	17	6.1	6.7	75	79	33.0	23.0
17...	1255	EST	81213	23	4.6	.1	2	6.3	7.2	97	110	33.4	23.0
24...	1015	EST	81213	29	--	1.9	22	6.4	6.6	105	120	24.7	22.1
OCT													
08...	0815	EST	81213	1.4	17	.8	8	6.2	7.3	122	132	21.2	20.1
14...	1315	EST	81213	3.7	--	.3	4	6.6	6.5	135	143	27.3	21.5
NOV													
05...	1535	EST	81213	15	3.5	.6	7	6.8	7.0	114	121	30.2	21.8
DEC													
10...	1340	EST	81213	3.3	6.2	3.6	32	5.9	6.8	101	102	16.3	10.3

02317797 LITTLE RIVER AT TIFTON-WORTH COUNTY LINE ROAD, NEAR TIFTON, GA--Continued

(GEORGIA EPD ID 09036501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
14...	--	--	--	--	--	--	--	140
30...	16	10	.04	.250	.06	23.0	1.2	40
FEB								
04...	--	--	--	--	--	--	--	<20
11...	12	2	.05	.160	<.02	12.0	1.2	130
MAR								
25...	15	2	.22	.120	.04	16.0	1.2	<20
APR								
03...	--	--	--	--	--	--	--	40
09...	--	--	--	--	--	--	--	<20
15...	16	5	.08	.330	.07	14.0	1.2	20
MAY								
14...	33	75	.24	<.020	.23	20.0	E5.6	--
JUN								
25...	19	1	.05	.120	.04	18.0	.3	--
JUL								
09...	24	75	.12	.080	.35	16.0	8.8	--
AUG								
20...	25	1	.07	.070	.03	16.0	1.0	20
SEP								
03...	--	--	--	--	--	--	--	40
10...	--	--	--	--	--	--	--	20
17...	29	12	.15	<.020	.10	17.0	2.4	110
24...	--	--	--	--	--	--	--	230
OCT								
08...	39	11	.14	<.020	.05	19.0	3.1	20
14...	--	--	--	--	--	--	--	110
NOV								
05...	28	5	.05	<.020	.05	15.0	2.1	--
DEC								
10...	21	7	.04	<.020	.04	11.0	E.8	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

02317797 LITTLE RIVER AT TIFTON-WORTH COUNTY LINE ROAD, NEAR TIFTON, GA--Continued

(GEORGIA EPD ID 09036501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
30...	1315	EST	81213	45	7.2	61	6.6	6.6	101	97	15.7	8.2	6.40
APR													
15...	1040	EST	81213	238	3.7	39	6.6	6.7	76	79	25.8	18.8	5.90

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
30...	3.20	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	4
APR												
15...	2.80	<1	<4	<.5	<1	<2	1.0	<.1	<1	<4	<2	3

Remark codes used in this report:
< -- Less than

02317818 LITTLE RIVER AT OMEGA-ELDORADO ROAD, NEAR OMEGA, GA (GEORGIA EPD ID 09036701)

LOCATION.--Lat 31°21'03'', long 83°31'18'' (referenced to North American Datum (NAD) of 1927), Tift County, Hydrologic Unit 03110204, at the bridge on Omega-Eldorado Road (County Road 424), 2.5 miles upstream from confluence with Arnold Creek, and 4.6 miles northeast of Omega.

ELEVATION.--240 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, March 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. For the data-collection activity at this station during 2003, if the stream was observed to have insufficient flow, observed to be pooled with no visible flow, or was found to be dry, it was not sampled. The site visit was documented and is presented in the data table coded with parameter 99903 = 9. A stream is defined as "dry" at a station if there is a complete break in the continuity of the cross-section of water perpendicular to the flow that is visible upstream and/or downstream of the cross-section to be sampled.

02317818 LITTLE RIVER AT OMEGA-ELDORADO ROAD, NEAR OMEGA, GA--Continued (GEORGIA EPD ID 09036701)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
14...	1505	EST	81213	277	--	11.3	94	6.7	7.2	91	81	15.2	7.5
30...	0710	EST	81213	181	4.5	9.7	81	6.9	7.0	98	96	7.6	7.7
FEB													
05...	1125	EST	81213	214	--	9.2	83	6.7	7.2	103	98	12.7	10.7
11...	1455	EST	81213	298	7.3	10.3	93	7.0	7.4	100	95	14.9	11.0
MAR													
25...	0650	EST	81213	766	17	6.4	67	6.4	5.6	72	73	9.4	17.7
APR													
03...	0935	EST	81213	327	--	8.9	89	6.0	7.3	88	83	17.6	15.3
09...	0735	EST	81213	457	--	6.1	65	6.7	6.7	89	90	16.4	18.4
15...	0550	EST	81213	549	13	7.2	76	6.9	6.8	72	75	13.5	18.0
MAY													
14...	0930	EST	81213	40	9.9	5.0	57	6.4	7.2	108	114	25.2	21.0
JUN													
25...	0630	EST	81213	373	7.9	5.6	65	6.2	7.0	81	85	18.7	23.5
JUL													
09...	0910	EST	81213	261	6.0	6.6	80	6.2	7.2	90	93	30.4	25.4
AUG													
20...	0715	EST	81213	312	6.0	4.9	58	6.7	7.1	90	91	21.5	24.8
SEP													
03...	0705	EST	81213	301	--	4.9	59	6.7	7.3	87	91	22.2	25.3
10...	0945	EST	81213	446	--	6.5	75	6.5	7.0	80	81	24.7	22.5
17...	0930	EST	81213	112	4.4	5.5	64	6.8	7.4	99	109	26.1	23.2
24...	0715	EST	81213	42	--	4.5	52	6.9	7.2	116	117	16.1	22.5
OCT													
08...	0910	EST	81213	--	--	--	--	--	--	--	--	24.2	--
15...	0750	EST	81213	18	--	5.4	59	7.4	7.4	139	148	14.6	20.1
NOV													
05...	1130	EST	81213	117	4.3	6.2	70	7.2	7.1	108	121	28.6	21.3
DEC													
10...	0845	EST	81213	18	4.7	9.5	84	7.8	7.4	121	134	17.8	9.5

02317818 LITTLE RIVER AT OMEGA-ELDORADO ROAD, NEAR OMEGA, GA--Continued (GEORGIA EPD ID 09036701)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Dist-rict special 99903 (99903)
JAN									
14...	--	--	--	--	--	--	--	20	--
30...	17	<1	.04	.140	.02	12.0	1.1	70	--
FEB									
05...	--	--	--	--	--	--	--	330	--
11...	19	3	.05	.130	<.02	12.0	1.1	<20	--
MAR									
25...	3	9	.24	.200	.06	16.0	1.2	20	--
APR									
03...	--	--	--	--	--	--	--	<20	--
09...	--	--	--	--	--	--	--	<20	--
15...	16	9	.04	.250	.06	14.0	1.1	110	--
MAY									
14...	31	14	.07	.180	.05	19.0	E1.2	--	--
JUN									
25...	22	1	.04	.130	.04	20.0	.1	--	--
JUL									
09...	24	3	.03	.130	.05	16.0	1.1	--	--
AUG									
20...	27	2	.03	.100	.03	16.0	1.1	140	--
SEP									
03...	--	--	--	--	--	--	--	230	--
10...	--	--	--	--	--	--	--	110	--
17...	30	<1	.09	.090	.05	16.0	.8	<20	--
24...	--	--	--	--	--	--	--	80	--
OCT									
08...	--	--	--	--	--	--	--	--	9.0
15...	--	--	--	--	--	--	--	50	--
NOV									
05...	27	5	.03	<.020	.03	14.0	2.0	--	--
DEC									
10...	33	4	.03	.080	.02	9.9	E.4	--	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

02317818 LITTLE RIVER AT OMEGA-ELDORADO ROAD, NEAR OMEGA, GA--Continued (GEORGIA EPD ID 09036701)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Calcium water unfltrd recover-able, mg/L (00916)
JAN													
30...	0710	EST	81213	181	9.7	81	6.9	7.0	98	96	7.6	7.7	7.50
APR													
15...	0550	EST	81213	549	7.2	76	6.9	6.8	72	75	13.5	18.0	6.00

Date	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Anti-mony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mercury water, unfltrd recover-able, ug/L (71900)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Thall-ium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recover-able, ug/L (01092)
JAN												
30...	2.80	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	<2
APR												
15...	2.40	<1	<4	<.5	<1	2	1.3	<.1	<1	<4	<2	12

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02317830 LITTLE RIVER AT KINARD BRIDGE ROAD, NEAR LENOX, GA (GEORGIA EPD ID 09036801)

LOCATION.--Lat 31°15'15", long 83°30'32" (referenced to North American Datum (NAD) of 1927), Cook County, Hydrologic Unit 03110204, at the bridge on Kinard Bridge Road (County Road 246), 4.2 miles downstream from confluence with Arnold Creek, and 2.4 miles southwest of Lenox.

DRAINAGE AREA.--208 square miles.

ELEVATION.--196.68 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, March 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
15...	1255	EST	81213	153	--	12.4	102	6.8	7.2	92	92	9.9	7.0
27...	0725	EST	81213	83	5.2	7.7	59	7.3	7.2	99	103	-2.1	4.5
FEB													
04...	1510	EST	81213	80	--	9.7	90	6.7	7.4	105	100	18.1	11.7
13...	0940	EST	81213	194	7.3	10.7	93	6.8	7.2	104	96	11.0	9.5
MAR													
27...	0645	EST	81213	684	15	6.0	65	6.4	6.8	79	79	16.8	19.1
APR													
14...	0650	EST	81213	1050	13	7.5	77	6.8	6.9	70	72	13.0	16.4
MAY													
12...	0710	EST	81213	55	5.9	4.8	57	6.7	7.2	101	105	21.0	24.5
19...	0700	EST	81213	17	--	3.9	46	6.6	--	--	111	20.9	22.9
JUN													
02...	0715	EST	81213	27	5.0	5.5	65	6.7	6.9	98	100	23.1	22.3
09...	1110	EST	81213	262	--	6.8	82	6.5	6.8	88	91	31.0	24.6
JUL													
07...	0700	EST	81213	337	7.7	8.6	104	6.5	7.0	88	104	23.0	25.0
21...	0730	EST	81213	24	--	6.3	77	6.5	6.8	97	101	27.0	25.3
28...	0655	EST	81213	843	--	5.3	65	6.3	6.6	69	72	25.5	25.0
AUG													
04...	0710	EST	81213	264	8.0	5.5	66	6.5	6.9	85	90	25.5	25.1
SEP													
08...	0720	EST	81213	676	8.5	6.0	70	6.5	7.0	83	87	22.0	22.6
OCT													
06...	0700	EST	81213	12	3.7	8.4	92	6.3	7.0	115	117	18.4	19.5
NOV													
17...	0800	EST	81213	18	2.9	8.0	80	6.3	7.1	119	125	13.0	15.0
DEC													
01...	0815	EST	81213	20	--	11.8	105	6.4	7.0	123	121	3.7	9.7
08...	0730	EST	81213	25	4.6	12.8	111	6.7	7.2	118	115	.5	8.3
15...	0755	EST	81213	59	--	12.2	108	6.6	7.0	106	104	3.5	9.5

02317830 LITTLE RIVER AT KINARD BRIDGE ROAD, NEAR LENOX, GA--Continued (GEORGIA EPD ID 09036801)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
15...	--	--	--	--	--	--	--	<20
27...	18	2	.06	.210	.03	12.0	.6	80
FEB								
04...	--	--	--	--	--	--	--	170
13...	18	7	.03	.110	.04	13.0	1.4	220
MAR								
27...	19	8	.10	.240	.07	17.0	1.8	50
APR								
14...	15	<1	.04	.250	.06	14.0	1.3	--
MAY								
12...	29	9	.06	.180	.06	16.0	1.0	20
19...	--	--	--	--	--	--	--	2200
JUN								
02...	24	6	.05	.170	.05	15.0	.9	<20
09...	--	--	--	--	--	--	--	70
JUL								
07...	24	2	.05	.130	.05	16.0	.7	210
21...	--	--	--	--	--	--	--	130
28...	--	--	--	--	--	--	--	230
AUG								
04...	25	3	.05	.140	.05	16.0	.9	60
SEP								
08...	24	3	.08	.070	.05	15.0	.9	--
OCT								
06...	35	2	.08	.180	.07	14.0	.4	--
NOV								
17...	34	1	.04	.170	.05	12.0	.8	490
DEC								
01...	--	--	--	--	--	--	--	80
08...	30	<1	.03	.140	.03	11.0	1.1	700
15...	--	--	--	--	--	--	--	20

Remark codes used in this report:
< -- Less than

02317830 LITTLE RIVER AT KINARD BRIDGE ROAD, NEAR LENOX, GA--Continued (GEORGIA EPD ID 09036801)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
27...	0725	EST	81213	83	7.7	59	7.3	7.2	99	103	-2.1	4.5	7.50
APR													
14...	0650	EST	81213	1050	7.5	77	6.8	6.9	70	72	13.0	16.4	5.80

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
27...	3.10	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	2
APR												
14...	2.40	<1	<4	<.5	1	2	1.1	<.1	<1	<4	<2	5

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02317856 TOWN CREEK AT MELTON ROAD, NEAR SYLVESTER, GA (GEORGIA EPD ID 09037551)

LOCATION.--Lat 31°29'12'', long 83°48'22'' (referenced to North American Datum (NAD) of 1927), Worth County, Hydrologic Unit 03110204, at the bridge on Melton Road (County Road 169), 1.8 miles upstream from confluence with Warrior Creek, and 3.7 miles southeast of Sylvester.

ELEVATION.--320 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, March 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. For the data-collection activity at this station during 2003, if the stream was observed to have insufficient flow, observed to be pooled with no visible flow, or was found to be dry, it was not sampled. The site visit was documented and is presented in the data table coded with parameter 99903 = 9. A stream is defined as "dry" at a station if there is a complete break in the continuity of the cross-section of water perpendicular to the flow that is visible upstream and/or downstream of the cross-section to be sampled.

02317856 TOWN CREEK AT MELTON ROAD, NEAR SYLVESTER, GA--Continued (GEORGIA EPD ID 09037551)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
14...	1235	EST	81213	12	--	11.1	90	6.7	7.5	113	101	13.8	6.3
30...	1135	EST	81213	5.6	2.9	8.2	72	7.1	7.3	128	126	14.5	9.7
FEB													
05...	0910	EST	81213	9.4	--	8.2	74	6.7	7.6	129	123	5.1	10.6
11...	1135	EST	81213	39	6.8	9.9	86	6.9	7.6	101	97	10.8	8.8
MAR													
25...	0955	EST	81213	31	5.8	6.1	62	6.5	7.3	98	96	20.0	16.2
APR													
03...	1150	EST	81213	12	--	8.1	82	6.7	7.3	102	95	23.2	15.9
09...	1010	EST	81213	>72	--	5.8	62	6.6	6.6	68	68	20.8	18.0
15...	0925	EST	81213	16	4.8	5.6	59	6.9	7.1	90	92	24.2	18.1
MAY													
14...	1135	EST	81213	<.11	21	3.7	42	6.7	7.5	163	171	26.8	20.4
JUN													
25...	0840	EST	81213	<.11	22	2.9	34	6.3	7.0	137	139	22.5	23.1
JUL													
09...	1140	EST	81213	--	--	--	--	--	--	--	--	33.5	--
AUG													
20...	0935	EST	81213	6.0	28	2.0	25	6.6	7.2	149	154	25.0	25.2
SEP													
03...	0910	EST	81213	<.11	--	2.0	24	6.7	7.3	161	164	24.8	25.4
10...	1155	EST	81213	6.0	--	3.7	43	6.6	7.3	116	122	28.5	23.0
17...	1150	EST	81213	--	--	--	--	--	--	--	--	27.4	--
24...	0920	EST	81213	--	--	--	--	--	--	--	--	19.5	--
OCT													
08...	1110	EST	81213	--	--	--	--	--	--	--	--	24.0	--
15...	0955	EST	81213	<.11	--	4.7	52	6.8	7.1	189	191	20.1	19.4
NOV													
05...	1415	EST	81213	.11	8.6	4.4	49	6.9	7.5	168	178	26.1	20.2
DEC													
10...	1155	EST	81213	13	6.9	7.9	72	6.7	7.5	183	183	14.1	10.2

02317856 TOWN CREEK AT MELTON ROAD, NEAR SYLVESTER, GA--Continued (GEORGIA EPD ID 09037551)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Dist-rict special 99903 (99903)
JAN									
14...	--	--	--	--	--	--	--	940	--
30...	31	2	.04	.330	.02	7.3	.6	40	--
FEB									
05...	--	--	--	--	--	--	--	<20	--
11...	25	2	.02	.370	.03	8.6	.8	140	--
MAR									
25...	32	2	.03	.080	.06	13.0	.7	50	--
APR									
03...	--	--	--	--	--	--	--	50	--
09...	--	--	--	--	--	--	--	<20	--
15...	30	8	.05	<.020	.05	8.6	.7	50	--
MAY									
14...	66	9	.08	<.020	.28	16.0	E1.4	--	--
JUN									
25...	49	3	.08	<.020	.15	12.0	.2	--	--
JUL									
09...	--	--	--	--	--	--	--	--	9.0
AUG									
20...	55	10	.16	<.020	.16	11.0	1.5	50	--
SEP									
03...	--	--	--	--	--	--	--	50	--
10...	--	--	--	--	--	--	--	130	--
17...	--	--	--	--	--	--	--	--	9.0
24...	--	--	--	--	--	--	--	--	9.0
OCT									
08...	--	--	--	--	--	--	--	--	9.0
15...	--	--	--	--	--	--	--	230	--
NOV									
05...	56	3	.03	<.020	.08	11.0	1.2	--	--
DEC									
10...	44	2	.04	.030	.05	7.9	E.4	--	--

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value

02317856 TOWN CREEK AT MELTON ROAD, NEAR SYLVESTER, GA--Continued (GEORGIA EPD ID 09037551)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-tance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
30...	1135	EST	81213	5.6	8.2	72	7.1	7.3	128	126	14.5	9.7	9.60
APR													
15...	0925	EST	81213	16	5.6	59	6.9	7.1	90	92	24.2	18.1	9.20

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
30...	2.60	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	3
APR												
15...	2.40	<1	<4	<.5	<1	<2	.5	<.1	<1	<4	<2	4

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02317866 HORSE CREEK AT GEORGIA HIGHWAY 33, NEAR SYLVESTER, GA (GEORGIA EPD ID 09037691)

LOCATION.--Lat 31°26'02'', long 83°50'06'' (referenced to North American Datum (NAD) of 1927), Worth County, Hydrologic Unit 03110204, at the bridge on Georgia Highway 33, 0.1 mile downstream from confluence with Tiger Thicket Creek, 4.2 miles upstream from confluence with Bull Creek, and 6.5 miles south of Sylvester.

ELEVATION.--316 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. For the data-collection activity at this station during 2003, if the stream was observed to have insufficient flow, observed to be pooled with no visible flow, or was found to be dry, it was not sampled. The site visit was documented and is presented in the data table coded with parameter 99903 = 9. A stream is defined as "dry" at a station if there is a complete break in the continuity of the cross-section of water perpendicular to the flow that is visible upstream and/or downstream of the cross-section to be sampled.

02317866 HORSE CREEK AT GEORGIA HIGHWAY 33, NEAR SYLVESTER, GA--Continued (GEORGIA EPD ID 09037691)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
14...	1300	EST	81213	8.0	--	12.0	99	6.3	6.8	58	53	16.0	6.9
30...	1045	EST	81213	4.3	8.9	9.7	85	6.7	6.7	61	58	14.7	9.7
FEB													
05...	0930	EST	81213	5.1	--	9.4	83	6.4	6.9	61	58	6.0	10.0
11...	1215	EST	81213	21	13	10.5	91	6.5	7.0	58	56	13.5	9.2
MAR													
25...	0925	EST	81213	28	25	7.6	76	6.3	6.8	52	52	16.5	15.4
APR													
03...	1120	EST	81213	8.3	--	9.8	98	6.3	7.1	53	50	23.6	15.8
09...	0940	EST	81213	>41	--	6.8	72	6.0	6.0	40	41	20.7	17.6
15...	0840	EST	81213	10	19	7.7	80	6.7	6.7	52	54	22.4	17.7
MAY													
14...	1115	EST	81213	--	--	--	--	--	--	--	--	27.2	--
JUN													
25...	0820	EST	81213	--	--	--	--	--	--	--	--	22.4	--
JUL													
09...	1110	EST	81213	--	--	--	--	--	--	--	--	32.9	--
AUG													
20...	0920	EST	81213	--	--	--	--	--	--	--	--	22.7	--
SEP													
03...	0840	EST	81213	--	--	--	--	--	--	--	--	22.5	--
10...	1135	EST	81213	--	--	--	--	--	--	--	--	28.6	--
17...	1115	EST	81213	--	--	--	--	--	--	--	--	30.1	--
24...	0900	EST	81213	--	--	--	--	--	--	--	--	19.5	--
OCT													
08...	1055	EST	81213	--	--	--	--	--	--	--	--	25.5	--
15...	0930	EST	81213	--	--	--	--	--	--	--	--	17.6	--
NOV													
05...	1335	EST	81213	--	--	--	--	--	--	--	--	27.2	--
DEC													
10...	1120	EST	81213	3.0	8.2	8.7	78	6.4	6.9	62	61	17.6	9.7

02317866 HORSE CREEK AT GEORGIA HIGHWAY 33, NEAR SYLVESTER, GA--Continued (GEORGIA EPD ID 09037691)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Dist-rict special 99903 (99903)
JAN									
14...	--	--	--	--	--	--	--	230	--
30...	9	6	.04	.180	<.02	9.4	.6	50	--
FEB									
05...	--	--	--	--	--	--	--	<20	--
11...	9	6	.04	.080	<.02	8.7	1.3	<20	--
MAR									
25...	12	14	.23	.160	.03	12.0	1.1	460	--
APR									
03...	--	--	--	--	--	--	--	<20	--
09...	--	--	--	--	--	--	--	<20	--
15...	12	11	.12	.140	.03	11.0	1.5	1100	--
MAY									
14...	--	--	--	--	--	--	--	--	9.0
JUN									
25...	--	--	--	--	--	--	--	--	9.0
JUL									
09...	--	--	--	--	--	--	--	--	9.0
AUG									
20...	--	--	--	--	--	--	--	--	9.0
SEP									
03...	--	--	--	--	--	--	--	--	9.0
10...	--	--	--	--	--	--	--	--	9.0
17...	--	--	--	--	--	--	--	--	9.0
24...	--	--	--	--	--	--	--	--	9.0
OCT									
08...	--	--	--	--	--	--	--	--	9.0
15...	--	--	--	--	--	--	--	--	9.0
NOV									
05...	--	--	--	--	--	--	--	--	9.0
DEC									
10...	12	16	.04	<.020	.02	10.0	E1.0	--	--

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value

02317866 HORSE CREEK AT GEORGIA HIGHWAY 33, NEAR SYLVESTER, GA--Continued (GEORGIA EPD ID 09037691)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-tance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
30...	1045	EST	81213	4.3	9.7	85	6.7	6.7	61	58	14.7	9.7	3.60
APR													
15...	0840	EST	81213	10	7.7	80	6.7	6.7	52	54	22.4	17.7	3.60

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
30...	1.90	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	2
APR												
15...	1.90	<1	<4	<.5	<1	<2	.9	<.1	<1	<4	<2	3

Remark codes used in this report:
< -- Less than

02317874 WARRIOR CREEK AT GEORGIA HIGHWAY 256, NEAR NORMAN PARK, GA (GEORGIA EPD ID 09037501)

LOCATION.--Lat 31°18'40'', long 83°41'07'' (referenced to North American Datum (NAD) of 1927), Colquitt County, Hydrologic Unit 03110204, at the bridge on Georgia Highway 256, 1.4 miles south of the Colquitt-Worth County line, 2.8 miles west of Crosland, and 2.0 miles north of Norman Park.

DRAINAGE AREA.--124 square miles.

ELEVATION.--250 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to March 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
14...	1420	EST	81213	113	--	12.7	109	6.8	7.1	71	63	17.0	8.7
30...	0835	EST	81213	69	4.2	8.8	75	6.8	6.8	77	73	12.5	8.2
FEB													
05...	1045	EST	81213	69	--	8.7	77	6.5	7.1	77	74	7.9	9.5
11...	1400	EST	81213	163	8.9	11.3	106	6.8	7.2	73	70	15.8	12.1
MAR													
25...	0745	EST	81213	33	20	6.7	67	6.2	6.8	56	56	8.9	15.9
APR													
03...	1010	EST	81213	145	--	9.6	96	6.4	7.1	65	62	22.1	15.3
09...	0810	EST	81213	328	--	5.8	62	6.5	6.5	63	65	19.0	18.4
15...	0650	EST	81213	202	16	6.8	71	6.7	6.7	60	62	13.9	17.5
MAY													
14...	1015	EST	81213	10	8.1	4.2	48	6.5	7.2	88	90	26.1	20.5
JUN													
25...	0730	EST	81213	<.10	7.3	3.9	45	6.1	6.9	74	75	18.8	23.7
JUL													
09...	1010	EST	81213	122	11	5.8	72	6.3	7.1	64	66	32.2	26.0
AUG													
20...	0815	EST	81213	184	7.5	3.3	40	6.4	6.9	61	61	22.4	25.2
SEP													
03...	0745	EST	81213	77	--	3.1	37	6.3	6.9	68	68	22.4	25.4
10...	1030	EST	81213	290	--	5.2	60	6.0	6.7	54	57	26.6	22.9
17...	1015	EST	81213	43	5.0	4.4	52	6.3	7.2	68	74	24.8	23.2
24...	0800	EST	81213	93	--	5.8	66	6.4	6.8	75	74	15.5	21.2
OCT													
08...	0945	EST	81213	--	5.0	2.3	26	6.4	7.0	95	97	24.6	21.7
15...	0820	EST	81213	31	--	5.0	53	6.8	6.7	78	79	15.6	18.0
NOV													
05...	1225	EST	81213	33	4.1	6.0	69	6.7	7.0	76	82	28.4	22.4
DEC													
10...	0935	EST	81213	21	4.1	8.3	76	7.3	7.0	82	82	17.6	11.2

02317874 WARRIOR CREEK AT GEORGIA HIGHWAY 256, NEAR NORMAN PARK, GA—Continued

(GEORGIA EPD ID 09037501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
14...	--	--	--	--	--	--	--	<20
30...	14	<1	.05	.190	.02	9.3	.7	20
FEB								
05...	--	--	--	--	--	--	--	40
11...	12	7	.08	.120	.03	11.0	1.3	<20
MAR								
25...	14	7	.16	.100	.06	15.0	1.0	20
APR								
03...	--	--	--	--	--	--	--	<20
09...	--	--	--	--	--	--	--	<20
15...	14	8	.09	.200	.07	12.0	1.2	40
MAY								
14...	27	4	.10	.160	.06	16.0	E1.6	--
JUN								
25...	21	1	.06	.090	.05	15.0	.2	--
JUL								
09...	17	4	.03	.060	.05	13.0	1.4	--
AUG								
20...	17	2	.03	.110	.04	15.0	1.1	50
SEP								
03...	--	--	--	--	--	--	--	330
10...	--	--	--	--	--	--	--	<20
17...	20	2	.06	.080	.06	13.0	.8	170
24...	--	--	--	--	--	--	--	790
OCT								
08...	28	5	.06	<.020	.04	13.0	1.7	330
15...	--	--	--	--	--	--	--	330
NOV								
05...	18	3	.05	.040	.04	11.0	1.0	--
DEC								
10...	18	1	.02	.040	.03	8.1	E.5	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

02317874 WARRIOR CREEK AT GEORGIA HIGHWAY 256, NEAR NORMAN PARK, GA—Continued

(GEORGIA EPD ID 09037501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
30...	0835	EST	81213	69	8.8	75	6.8	6.8	77	73	12.5	8.2	4.70
APR													
15...	0650	EST	81213	202	6.8	71	6.7	6.7	60	62	13.9	17.5	4.40

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
30...	2.40	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	3
APR												
15...	2.10	<1	<4	<.5	1	<2	1.2	<.1	<1	<4	<2	8

Remark codes used in this report:
< -- Less than

02317886 WARRIOR CREEK AT ELLENTON-OMEGA ROAD, NEAR ELLENTON, GA (GEORGIA EPD ID 09037901)

LOCATION.--Lat 31°15’15’’, long 83°34’31’’ (referenced to North American Datum (NAD) of 1927), Colquitt County, Hydrologic Unit 03110204, at the bridge on Ellenton-Omega Road (County Road 486), 0.6 mile upstream from confluence with Ty Ty Creek, 5.9 miles south of Omega, and 4.9 miles north of Ellenton.

ELEVATION.--220 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, July 1999 to August 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
15...	1350	EST	81213	259	--	11.8	98	6.7	7.0	83	81	12.8	7.4
27...	0855	EST	81213	132	7.6	8.0	61	7.3	7.1	85	87	1.6	4.5
FEB													
04...	1540	EST	81213	139	--	9.2	86	6.5	7.0	89	85	22.1	12.3
13...	1030	EST	81213	320	8.2	10.4	91	7.0	7.0	83	80	13.8	9.6
MAR													
27...	0805	EST	81213	899	19	6.7	72	6.2	6.9	60	61	16.4	19.2
APR													
14...	0820	EST	81213	1140	17	6.4	66	6.7	6.7	57	59	16.4	16.8
MAY													
12...	1000	EST	81213	30	6.8	4.3	51	6.5	7.3	88	90	23.6	24.3
19...	0745	EST	81213	6.6	--	4.0	46	6.6	--	--	99	24.0	22.5
JUN													
02...	0830	EST	81213	8.1	5.5	5.2	60	6.5	6.9	82	83	23.8	21.7
09...	1140	EST	81213	177	--	6.6	79	6.5	6.7	85	88	31.2	24.6
JUL													
07...	0830	EST	81213	215	3.9	5.6	67	6.5	6.8	103	90	24.5	24.9
21...	0800	EST	81213	34	--	7.5	91	6.6	6.8	79	81	28.0	25.0
28...	0745	EST	81213	730	--	7.8	96	6.3	6.5	67	69	26.0	25.4
AUG													
04...	0800	EST	81213	1140	4.8	8.8	107	6.5	6.7	100	63	25.5	25.1
SEP													
08...	0800	EST	81213	1510	7.8	6.2	72	6.5	6.9	89	77	20.5	22.8
OCT													
06...	0800	EST	81213	3.8	4.5	5.4	59	6.5	7.0	92	93	22.0	18.8
NOV													
17...	0910	EST	81213	11	3.3	8.1	79	6.7	7.0	102	102	18.0	14.4
DEC													
01...	0900	EST	81213	540	--	11.2	97	6.9	7.0	101	99	7.5	8.9
08...	0830	EST	81213	16	3.5	12.5	106	6.9	7.0	101	99	4.0	7.5
15...	0840	EST	81213	160	--	12.5	110	6.7	6.8	99	96	4.0	9.2

02317886 WARRIOR CREEK AT ELLENTON-OMEGA ROAD, NEAR ELLENTON, GA—Continued

(GEORGIA EPD ID 09037901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
15...	--	--	--	--	--	--	--	<20
27...	15	7	.05	.270	.04	10.0	.7	50
FEB								
04...	--	--	--	--	--	--	--	140
13...	14	5	.03	.130	.04	13.0	1.3	50
MAR								
27...	13	9	.15	.150	.08	16.0	1.8	50
APR								
14...	12	6	.06	.200	.06	13.0	1.4	--
MAY								
12...	24	9	.06	.180	.07	14.0	2.0	<20
19...	--	--	--	--	--	--	--	<20
JUN								
02...	23	4	.06	.130	.06	13.0	1.5	20
09...	--	--	--	--	--	--	--	130
JUL								
07...	32	3	.08	<.020	.06	16.0	1.4	230
21...	--	--	--	--	--	--	--	80
28...	--	--	--	--	--	--	--	170
AUG								
04...	28	5	.08	<.020	.07	14.0	1.2	20
SEP								
08...	25	1	.05	.130	.08	17.0	1.1	--
OCT								
06...	25	3	.11	.120	.04	13.0	.4	--
NOV								
17...	25	2	.03	.070	.04	11.0	.5	170
DEC								
01...	--	--	--	--	--	--	--	50
08...	22	2	.02	.070	.02	10.0	1.0	70
15...	--	--	--	--	--	--	--	20

Remark codes used in this report:
< -- Less than

02317886 WARRIOR CREEK AT ELLENTON-OMEGA ROAD, NEAR ELLENTON, GA—Continued

(GEORGIA EPD ID 09037901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
27...	0855	EST	81213	132	8.0	61	7.3	7.1	85	87	1.6	4.5	5.40
APR													
14...	0820	EST	81213	1140	6.4	66	6.7	6.7	57	59	16.4	16.8	4.10

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
27...	2.80	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	4
APR												
14...	2.10	<1	<4	<.5	<1	2	1.1	<.1	<1	<4	<2	3

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02317900 TY TY CREEK AT US HIGHWAY 82, AT TY TY, GA (GEORGIA EPD ID 09037201)

LOCATION.--Lat 31°28'22", long 83°39'47" (referenced to North American Datum (NAD) of 1927), Tift County, Hydrologic Unit 03110204, at the bridge on US Highway 82, 4.6 miles upstream from confluence with Johns Creek, 0.3 mile southwest of Lenox, and, at Ty Ty.

DRAINAGE AREA.--47 square miles.

ELEVATION.--289.26 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, March 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. For the data-collection activity at this station during 2003, if the stream was observed to have insufficient flow, observed to be pooled with no visible flow, or was found to be dry, it was not sampled. The site visit was documented and is presented in the data table coded with parameter 99903 = 9. A stream is defined as "dry" at a station if there is a complete break in the continuity of the cross-section of water perpendicular to the flow that is visible upstream and/or downstream of the cross-section to be sampled.

02317900 TY TY CREEK AT US HIGHWAY 82, AT TY TY, GA--Continued (GEORGIA EPD ID 09037201)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
14...	1150	EST	81213	--	--	11.6	93	6.6	7.2	86	77	11.1	5.9
30...	1230	EST	81213	11	5.0	9.6	84	7.0	7.0	87	85	14.8	9.7
FEB													
05...	0825	EST	81213	9.3	--	8.8	77	6.1	7.2	88	88	3.3	9.6
11...	1055	EST	81213	45	8.5	10.5	89	6.8	7.3	85	82	11.5	8.3
MAR													
25...	1040	EST	81213	80	13	7.8	79	6.5	6.9	79	79	23.5	15.9
APR													
03...	1240	EST	81213	22	--	8.7	89	6.8	7.2	81	77	22.0	16.1
09...	1040	EST	81213	310	--	6.6	70	6.5	6.8	68	70	18.9	17.8
15...	1005	EST	81213	35	11	7.4	77	7.0	7.0	80	82	26.9	17.8
MAY													
14...	1215	EST	81213	.58	8.1	5.3	58	6.7	7.2	91	92	24.9	19.9
JUN													
25...	0935	EST	81213	1.5	8.1	4.6	53	6.3	7.1	93	97	25.5	22.9
JUL													
09...	1215	EST	81213	2.3	6.9	6.1	75	6.6	7.2	97	99	32.0	25.7
AUG													
20...	1015	EST	81213	15	8.8	4.8	58	6.7	7.3	104	105	27.5	25.0
SEP													
03...	0945	EST	81213	36	--	5.1	62	6.7	7.1	92	92	26.5	24.9
10...	1305	EST	81213	21	--	6.1	71	6.7	7.1	89	95	32.5	22.9
17...	1225	EST	81213	2.0	4.8	5.0	58	6.6	7.3	97	103	29.6	22.9
24...	0945	EST	81213	6.7	--	6.1	68	6.7	7.0	102	102	21.2	21.0
OCT													
08...	1140	EST	81213	--	--	--	--	--	--	--	--	24.4	--
15...	1015	EST	81213	--	--	--	--	--	--	--	--	24.4	--
NOV													
05...	1455	EST	81213	--	--	--	--	--	--	--	--	31.1	--
DEC													
10...	1300	EST	81213	.75	3.5	7.8	71	6.8	7.4	100	100	14.9	10.6

02317900 TY TY CREEK AT US HIGHWAY 82, AT TY TY, GA--Continued (GEORGIA EPD ID 09037201)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Dist-rict special 99903 (99903)
JAN									
14...	--	--	--	--	--	--	--	210	--
30...	15	<1	.04	.340	.02	11.0	--	20	--
FEB									
05...	--	--	--	--	--	--	--	20	--
11...	15	4	.08	.190	.03	12.0	1.2	80	--
MAR									
25...	19	8	.21	.300	.06	13.0	1.0	20	--
APR									
03...	--	--	--	--	--	--	--	50	--
09...	--	--	--	--	--	--	--	<20	--
15...	19	6	.14	.320	.06	11.0	1.2	40	--
MAY									
14...	25	8	.06	.200	.05	15.0	E1.4	--	--
JUN									
25...	25	2	.07	.400	.05	13.0	.3	--	--
JUL									
09...	26	<1	.04	.160	.04	13.0	1.2	--	--
AUG									
20...	31	2	.06	.210	.03	14.0	1.4	330	--
SEP									
03...	--	--	--	--	--	--	--	40	--
10...	--	--	--	--	--	--	--	90	--
17...	29	2	.05	.100	.04	13.0	.9	80	--
24...	--	--	--	--	--	--	--	490	--
OCT									
08...	--	--	--	--	--	--	--	--	9.0
15...	--	--	--	--	--	--	--	--	9.0
NOV									
05...	--	--	--	--	--	--	--	--	9.0
DEC									
10...	24	<1	.04	.050	.03	10.0	E.7	--	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

02317900 TY TY CREEK AT US HIGHWAY 82, AT TY TY, GA--Continued (GEORGIA EPD ID 09037201)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Calcium water unfltrd recover-able, mg/L (00916)
JAN													
30...	1230	EST	81213	11	9.6	84	7.0	7.0	87	85	14.8	9.7	5.90
APR													
15...	1005	EST	81213	35	7.4	77	7.0	7.0	80	82	26.9	17.8	6.30

Date	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Anti-mony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mercury water, unfltrd recover-able, ug/L (71900)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Thall-ium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recover-able, ug/L (01092)
JAN												
30...	3.00	<1	<4	<.5	<1	<2	<.1	<.1	<1	<4	<2	3
APR												
15...	3.00	<1	<4	<.5	<1	<2	1.1	<.1	<1	<4	<2	3

Remark codes used in this report:
< -- Less than

02317920 TY TY CREEK AT ELLENTON-OMEGA ROAD, NEAR ELLENTON, GA (GEORGIA EPD ID 09037401)

LOCATION.--Lat 31°15'32'', long 83°34'22'' (referenced to North American Datum (NAD) of 1927), Colquitt County, Hydrologic Unit 03110204, at the bridge on Ellenton-Omega Road (County Road 486), 0.6 mile upstream from confluence with Warrior Creek, 5.5 miles south of Omega, and 5.3 miles north of Ellenton.

ELEVATION.--220 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, March 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. For the data-collection activity at this station during 2003, if the stream was observed to have insufficient flow, observed to be pooled with no visible flow, or was found to be dry, it was not sampled. The site visit was documented and is presented in the data table coded with parameter 99903 = 9. A stream is defined as "dry" at a station if there is a complete break in the continuity of the cross-section of water perpendicular to the flow that is visible upstream and/or downstream of the cross-section to be sampled.

02317920 TY TY CREEK AT ELLENTON-OMEGA ROAD, NEAR ELLENTON, GA--Continued (GEORGIA EPD ID 09037401)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
15...	1325	EST	81213	E39	--	9.4	78	6.3	7.1	107	104	12.9	7.5
27...	0820	EST	81213	--	--	--	--	--	--	--	--	-1.1	--
FEB													
04...	1525	EST	81213	--	--	--	--	--	--	--	--	--	--
13...	1015	EST	81213	--	--	--	--	--	--	--	--	--	--
MAR													
27...	0730	EST	81213	E38	12	5.9	63	6.2	7.5	90	93	16.8	18.6
APR													
14...	0745	EST	81213	E98	12	5.5	55	6.7	6.9	78	81	13.6	15.6
MAY													
12...	0830	EST	81213	E27	7.0	2.0	24	6.4	7.0	112	117	23.1	23.6
19...	0730	EST	81213	E25	--	2.5	29	6.5	--	--	108	22.0	22.7
JUN													
02...	1455	EST	81213	--	--	--	--	--	--	--	--	--	--
09...	1200	EST	81213	E33	--	3.1	38	6.4	6.6	107	111	31.5	25.5
JUL													
07...	0800	EST	81213	E27	3.9	5.6	67	6.4	6.8	106	110	24.0	24.7
21...	0830	EST	81213	--	--	--	--	--	--	--	--	--	--
28...	0730	EST	81213	E50	--	3.2	38	6.2	6.4	90	95	25.0	24.5
AUG													
04...	0730	EST	81213	E42	5.1	5.2	62	6.4	6.7	100	103	25.5	24.7
SEP													
08...	0745	EST	81213	E165	7.9	4.0	47	6.4	6.8	90	92	20.5	22.5
OCT													
06...	0730	EST	81213	--	--	--	--	--	--	--	--	21.0	--
NOV													
17...	0900	EST	81213	E56	6.5	3.0	29	6.4	6.7	109	119	17.5	14.3
DEC													
01...	0830	EST	81213	E61	--	3.9	33	6.4	6.6	114	113	7.5	8.3
08...	0800	EST	81213	E66	4.8	5.3	44	6.4	6.7	109	105	1.0	7.2
15...	0815	EST	81213	E72	--	6.2	53	6.3	6.5	98	97	3.0	8.4

02317920 TY TY CREEK AT ELLENTON-OMEGA ROAD, NEAR ELLENTON, GA--Continued (GEORGIA EPD ID 09037401)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Dist-rict special 99903 (99903)
JAN									
15...	--	--	--	--	--	--	--	<20	--
27...	--	--	--	--	--	--	--	--	9.0
FEB									
04...	--	--	--	--	--	--	--	--	9.0
13...	--	--	--	--	--	--	--	--	9.0
MAR									
27...	24	6	.28	.040	.12	18.0	1.9	<20	--
APR									
14...	19	3	.08	.290	.08	14.0	1.3	--	--
MAY									
12...	37	12	.07	<.020	.09	11.0	1.2	110	--
19...	--	--	--	--	--	--	--	310	--
JUN									
02...	--	--	--	--	--	--	--	--	9.0
09...	--	--	--	--	--	--	--	130	--
JUL									
07...	32	4	.06	<.020	.07	16.0	1.4	170	--
21...	--	--	--	--	--	--	--	--	9.0
28...	--	--	--	--	--	--	--	20	--
AUG									
04...	29	5	.06	<.020	.07	15.0	1.2	20	--
SEP									
08...	24	1	.06	.130	.08	16.0	1.0	--	--
OCT									
06...	--	--	--	--	--	--	--	--	9.0
NOV									
17...	35	10	.03	<.020	.13	12.0	1.2	230	--
DEC									
01...	--	--	--	--	--	--	--	80	--
08...	28	5	.03	<.020	.07	11.0	1.2	40	--
15...	--	--	--	--	--	--	--	<20	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

02317920 TY TY CREEK AT ELLENTON-OMEGA ROAD, NEAR ELLENTON, GA--Continued (GEORGIA EPD ID 09037401)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Calcium water unfltrd recover-able, mg/L (00916)
APR 14...	0745	EST	81213	E98	5.5	55	6.7	6.9	78	81	13.6	15.6	6.20

Date	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Anti-mony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mercury water, unfltrd recover-able, ug/L (71900)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Thall-ium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recover-able, ug/L (01092)
APR 14...	3.00	<1	<4	<.5	<1	2	1.2	<.1	<1	<4	<2	4

Remark codes used in this report:
< -- Less than
E -- Estimated value

SUWANNEE RIVER BASIN
2003 Calendar Year

02318013 BEAR CREEK AT COOK ROAD, NEAR MOULTRIE, GA
(GEORGIA EPD ID 09038201)

LOCATION.--Lat 31°09'03'', long 83°39'09'' (referenced to North American Datum (NAD) of 1927), Colquitt County, Hydrologic Unit 03110204, at the culvert on Cook Road (County Road 170), 0.7 mile downstream from confluence with Reedy Creek, and 6.5 miles southeast of Moultrie.

ELEVATION.--230 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, March 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
06...	0935	EST	81213	27	7.8	11.6	98	6.4	6.6	99	99	8.8	8.0
FEB													
24...	0925	EST	81213	86	E14	7.7	69	6.3	6.4	83	83	9.5	11.2
MAR													
03...	1140	EST	81213	389	--	8.4	79	6.0	6.3	51	52	12.0	12.6
13...	1150	EST	81213	68	--	7.7	81	6.2	6.8	80	76	23.4	17.7
17...	0810	EST	81213	50	11	7.2	75	6.4	6.8	87	88	15.4	17.3
APR													
01...	0740	EST	81213	18	--	7.9	73	6.4	6.9	87	133	6.9	12.4
10...	0840	EST	81213	214	--	7.5	76	6.0	6.4	68	65	8.0	15.1
15...	0715	EST	81213	18	8.5	6.8	71	6.4	6.9	97	97	15.5	18.3
MAY													
13...	0700	EST	81213	<.40	7.4	2.5	28	6.4	7.1	122	124	15.4	21.4
JUN													
03...	0820	EST	81213	.89	7.8	3.3	38	6.6	7.0	126	133	28.7	23.4
JUL													
22...	0855	EST	81213	.68	5.3	1.4	18	6.4	7.0	122	141	28.1	26.3
AUG													
06...	0735	EST	81213	227	--	5.7	68	6.1	6.2	65	67	23.9	24.2
12...	1005	EST	81213	18	8.9	--	--	6.4	7.0	105	109	27.3	24.7
19...	0720	EST	81213	63	--	5.5	66	6.3	6.5	77	80	24.6	25.0
SEP													
09...	0845	EST	81213	31	9.7	5.7	65	6.9	7.1	94	95	23.3	22.7
16...	0735	EST	81213	4.4	--	5.0	60	6.6	6.8	129	132	21.8	23.8
23...	0745	EST	81213	1.8	--	3.3	39	6.6	6.9	157	159	21.1	23.6
OCT													
07...	0900	EST	81213	.79	4.0	3.3	37	6.7	7.4	165	164	19.5	20.3
NOV													
04...	0855	EST	81213	7.2	6.4	6.5	70	6.7	6.9	131	144	23.1	19.3
DEC													
02...	0900	EST	81213	3.2	3.4	6.6	56	6.8	7.4	134	133	5.5	8.9

02318013 BEAR CREEK AT COOK ROAD, NEAR MOULTRIE, GA--Continued (GEORGIA EPD ID 09038201)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
06...	9	4	.03	1.50	.05	13.0	.7	--
FEB								
24...	10	2	.04	.610	.08	20.0	1.8	330
MAR								
03...	--	--	--	--	--	--	--	330
13...	--	--	--	--	--	--	--	230
17...	14	7	.06	1.20	.11	16.0	.8	330
APR								
01...	--	--	--	--	--	--	--	20
10...	--	--	--	--	--	--	--	E170
15...	13	3	.08	1.70	.10	12.0	1.1	630
MAY								
13...	27	14	.13	.900	.19	14.0	1.4	--
JUN								
03...	28	4	.07	.750	.18	16.0	1.7	--
JUL								
22...	32	4	.09	<.020	.24	17.0	2.8	230
AUG								
06...	--	--	--	--	--	--	--	130
12...	20	9	.05	1.30	.11	18.0	1.1	80
19...	--	--	--	--	--	--	--	170
SEP								
09...	17	4	.05	1.20	.11	17.0	1.2	50
16...	--	--	--	--	--	--	--	<20
23...	--	--	--	--	--	--	--	20
OCT								
07...	37	3	.05	.940	.08	13.0	1.0	460
NOV								
04...	17	17	.06	2.20	.11	13.0	.8	--
DEC								
02...	26	1	.02	.600	.09	12.0	.7	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

02318013 BEAR CREEK AT COOK ROAD, NEAR MOULTRIE, GA--Continued (GEORGIA EPD ID 09038201)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Calcium water unfltrd recover-able, mg/L (00916)
JAN													
06...	0935	EST	81213	27	11.6	98	6.4	6.6	99	99	8.8	8.0	--
FEB													
24...	0925	EST	81213	86	7.7	69	6.3	6.4	83	83	9.5	11.2	3.70

Date	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Anti-mony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mercury water, unfltrd recover-able, ug/L (71900)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Thall-ium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recover-able, ug/L (01092)
JAN												
06...	--	<1	<4	<.5	<1	<2	.3	<.1	40	<4	<2	6
FEB												
24...	2.40	<1	<4	<.5	<1	<2	.9	<.1	<1	<4	<2	6

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02318014 INDIAN CREEK AT TILLMAN ROAD, NEAR BERLIN, GA
(GEORGIA EPD ID 09038401)

LOCATION.--Lat 31°05'43", long 83°35'04" (referenced to North American Datum (NAD) of 1927), Colquitt County, Hydrologic Unit 03110204, at the bridge on Tillman Road (County Road 1753), 0.2 mile downstream from Bear Creek, and 3.0 miles northeast of Berlin.

ELEVATION.--189 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1991 to January 1994, January 1998 to December 1998, March 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
06...	0845	EST	81213	162	12	10.9	92	6.4	6.7	82	82	8.8	8.1
FEB													
24...	0825	EST	81213	164	E15	7.5	70	6.4	6.6	94	95	6.2	12.6
MAR													
03...	1105	EST	81213	445	--	8.0	76	5.9	5.9	52	49	12.6	12.9
13...	1125	EST	81213	321	--	6.9	73	6.0	6.8	57	54	22.7	17.9
17...	0730	EST	81213	176	15	7.0	74	6.3	6.8	78	78	16.6	17.8
APR													
01...	0705	EST	81213	64	--	8.4	79	6.3	6.8	84	86	3.0	13.0
10...	0930	EST	81213	349	--	6.9	70	6.1	6.8	70	66	8.4	15.8
15...	0645	EST	81213	163	12	7.1	74	6.1	6.7	74	74	12.6	17.8
MAY													
13...	0625	EST	81213	6.3	6.7	4.8	53	6.4	7.0	111	113	12.9	21.5
JUN													
03...	0730	EST	81213	<1.0	7.4	3.7	43	6.5	7.1	124	130	31.9	22.7
JUL													
22...	0755	EST	81213	<1.0	7.0	3.4	41	6.4	7.0	105	110	26.9	24.4
AUG													
06...	0705	EST	81213	367	--	5.3	63	6.0	6.2	59	61	23.8	24.4
12...	0925	EST	81213	372	12	--	--	6.2	6.9	80	83	26.8	25.0
19...	0650	EST	81213	296	--	5.1	62	6.2	6.4	78	80	24.0	25.4
SEP													
09...	0815	EST	81213	174	13	6.0	69	6.8	6.9	76	77	19.7	22.8
16...	0655	EST	81213	13	--	5.2	62	6.5	6.8	106	109	20.0	23.3
23...	0715	EST	81213	11	--	4.6	54	6.5	6.8	110	111	23.6	23.6
OCT													
07...	0815	EST	81213	1.6	8.7	4.6	51	6.4	7.1	126	127	19.5	20.2
NOV													
04...	0800	EST	81213	34	10	6.8	73	6.5	6.9	115	123	22.7	19.3
DEC													
02...	0810	EST	81213	11	3.0	8.6	74	6.8	7.3	134	134	4.5	9.3

02318014 INDIAN CREEK AT TILLMAN ROAD, NEAR BERLIN, GA--Continued (GEORGIA EPD ID 09038401)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
06...	8	3	.03	.740	.06	16.0	.9	--
FEB								
24...	12	8	.03	.550	.08	18.0	1.9	230
MAR								
03...	--	--	--	--	--	--	--	220
13...	--	--	--	--	--	--	--	20
17...	13	11	.06	.720	.12	18.0	1.0	110
APR								
01...	--	--	--	--	--	--	--	80
10...	--	--	--	--	--	--	--	E790
15...	12	4	.05	.780	.09	14.0	1.3	20
MAY								
13...	25	2	.08	.510	.13	14.0	1.1	--
JUN								
03...	26	7	.06	.910	.09	13.0	1.1	--
JUL								
22...	25	2	.07	.560	.09	12.0	1.1	330
AUG								
06...	--	--	--	--	--	--	--	330
12...	16	8	.03	.420	.10	22.0	1.2	80
19...	--	--	--	--	--	--	--	170
SEP								
09...	13	3	.04	.380	.10	18.0	1.2	50
16...	--	--	--	--	--	--	--	<20
23...	--	--	--	--	--	--	--	40
OCT								
07...	22	9	.36	.520	.06	11.0	.6	460
NOV								
04...	16	7	.06	.940	.08	14.0	1.1	--
DEC								
02...	25	<1	.02	.610	.04	11.0	.6	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

02318014 INDIAN CREEK AT TILLMAN ROAD, NEAR BERLIN, GA--Continued (GEORGIA EPD ID 09038401)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
06...	0845	EST	81213	162	10.9	92	6.4	6.7	82	82	8.8	8.1	--
FEB													
24...	0825	EST	81213	164	7.5	70	6.4	6.6	94	95	6.2	12.6	4.60

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
06...	--	<1	<4	<.5	<1	<2	.8	<.1	2	<4	<2	6
FEB												
24...	2.90	<1	<4	<.5	1	<2	.9	<.1	2	<4	<2	5

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02318355 MORRISON CREEK AT OLD UNION ROAD, NEAR ADEL, GA
(GEORGIA EPD ID 09038751)

LOCATION.--Lat 31°04'19'', long 83°27'35'' (referenced to North American Datum (NAD) of 1927), Cook County, Hydrologic Unit 03110204, at the bridge on Old Union Road (County Road 243), 0.8 mile upstream from confluence with Wells Mill Creek, and 4.3 miles southwest of Adel.

ELEVATION.--180 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, July 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
06...	0735	EST	81213	21	8.5	11.1	94	6.3	6.5	98	99	4.0	8.5
FEB													
24...	0700	EST	81213	4.8	E9.1	6.1	56	6.1	6.7	102	104	.9	11.9
MAR													
03...	1020	EST	81213	96	--	7.5	71	6.0	6.1	--	63	12.7	13.1
13...	1035	EST	81213	64	--	7.0	74	5.7	6.6	69	68	22.1	17.9
17...	0645	EST	81213	36	7.6	6.0	64	6.1	6.5	84	85	15.4	18.1
APR													
01...	0630	EST	81213	27	--	7.5	69	6.0	6.3	81	83	3.1	12.5
10...	1005	EST	81213	121	--	7.0	70	5.9	6.3	57	54	9.3	14.9
15...	0600	EST	81213	32	8.0	6.0	64	5.8	6.2	71	72	13.4	19.1
MAY													
13...	0545	EST	81213	2.7	15	5.0	55	5.8	6.1	105	106	12.5	20.6
JUN													
03...	0610	EST	81213	6.3	14	4.5	54	6.3	6.5	102	105	28.1	23.5
JUL													
22...	0645	EST	81213	3.0	29	5.8	70	6.2	6.5	87	91	24.5	25.1
AUG													
06...	0620	EST	81213	46	--	5.0	61	6.1	6.3	66	69	24.3	24.8
12...	0820	EST	81213	12	12	--	--	5.8	6.6	74	78	27.9	25.3
19...	0605	EST	81213	63	--	4.5	56	6.0	6.1	57	60	23.4	25.6
SEP													
09...	0720	EST	81213	19	7.0	5.7	65	6.1	6.4	59	59	18.8	22.7
16...	0620	EST	81213	2.3	--	6.1	72	6.4	6.6	89	93	22.4	23.7
23...	0645	EST	81213	3.0	--	5.7	68	6.2	6.4	87	89	24.5	24.3
OCT													
07...	0730	EST	81213	.40	7.2	6.3	71	6.3	6.4	102	102	19.4	21.0
NOV													
04...	0700	EST	81213	9.9	14	7.0	77	6.3	6.6	76	79	22.4	20.4
DEC													
02...	0715	EST	81213	7.2	7.0	8.9	78	6.5	6.8	87	87	5.2	9.9

02318355 MORRISON CREEK AT OLD UNION ROAD, NEAR ADEL, GA--Continued (GEORGIA EPD ID 09038751)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
06...	11	11	.08	.420	.06	24.0	1.1	--
FEB								
24...	15	7	.07	.270	.08	24.0	1.6	700
MAR								
03...	--	--	--	--	--	--	--	310
13...	--	--	--	--	--	--	--	40
17...	11	7	.17	.330	.09	27.0	.9	140
APR								
01...	--	--	--	--	--	--	--	130
10...	--	--	--	--	--	--	--	E5400
15...	10	10	.14	.300	.08	34.0	1.9	230
MAY								
13...	13	17	.54	.580	.14	66.0	2.3	--
JUN								
03...	15	28	.08	.580	.12	53.0	1.7	--
JUL								
22...	13	62	.11	.680	.16	38.0	2.0	230
AUG								
06...	--	--	--	--	--	--	--	790
12...	13	22	.09	.410	.10	34.0	1.8	460
19...	--	--	--	--	--	--	--	170
SEP								
09...	11	8	.08	.200	.07	29.0	1.5	40
16...	--	--	--	--	--	--	--	<20
23...	--	--	--	--	--	--	--	70
OCT								
07...	14	7	.07	.520	.06	50.0	.8	70
NOV								
04...	14	45	.11	.430	.13	23.0	1.6	--
DEC								
02...	14	4	.13	.590	.05	16.0	.9	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

02318355 MORRISON CREEK AT OLD UNION ROAD, NEAR ADEL, GA--Continued (GEORGIA EPD ID 09038751)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
06...	0735	EST	81213	21	11.1	94	6.3	6.5	98	99	4.0	8.5	--
FEB													
24...	0700	EST	81213	4.8	6.1	56	6.1	6.7	102	104	.9	11.9	8.00
1													

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
06...	--	<1	<4	<.5	2	<2	.6	<.1	1	<4	<2	12
FEB												
24...	2.90	<1	<4	<.5	4	<2	.7	<.1	1	<4	<2	10

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02318471 FRANKS CREEK AT SHILOH ROAD, NEAR VALDOSTA, GA (GEORGIA EPD ID 09038981)

LOCATION.--Lat 30°53'37'', long 83°21'59'' (referenced to North American Datum (NAD) of 1927), Lowndes County, Hydrologic Unit 03110204, at the bridge on Shiloh Road (County Road 775), 1.3 miles upstream from confluence with Little River, and 5.5 miles northwest of Valdosta.

ELEVATION.--130 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, July 1999 to August 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
09...	1145	EST	81213	21	7.7	10.8	91	6.4	6.5	72	69	19.6	8.1
FEB													
27...	1220	EST	81213	178	38	8.1	81	6.5	6.6	62	58	19.9	15.2
MAR													
05...	0955	EST	81213	358	--	7.8	75	6.0	6.0	53	52	21.5	13.6
10...	1615	EST	81213	>400	--	7.5	78	5.6	6.1	35	37	27.8	17.2
20...	1030	EST	81213	263	15	5.2	59	5.7	6.0	50	49	27.7	21.1
APR													
09...	1430	EST	81213	>400	40	6.8	74	6.3	6.3	40	41	16.6	18.7
MAY													
20...	1220	EST	81213	31	33	6.5	73	6.3	6.7	59	61	21.5	21.5
JUN													
03...	1155	EST	81213	3.1	--	3.7	44	6.3	6.7	87	94	26.5	23.8
10...	1145	EST	81213	11	--	5.8	72	6.7	6.9	85	91	32.9	25.8
17...	1250	EST	81213	31	21	6.3	77	6.7	7.1	87	85	32.0	25.6
JUL													
15...	1400	EST	81213	5.8	9.7	5.6	66	6.2	6.6	70	74	29.2	25.7
29...	1255	EST	81213	7.9	--	5.6	71	6.5	6.7	73	78	31.3	26.8
AUG													
05...	1230	EST	81213	10	--	5.8	71	6.4	6.7	70	76	28.7	25.3
12...	1300	EST	81213	17	12	5.8	71	6.4	6.9	65	70	25.4	25.5
SEP													
23...	1400	EST	81213	5.1	8.9	5.5	66	5.9	6.5	64	69	27.5	24.4
OCT													
28...	1340	EST	81213	2.9	21	4.8	53	6.4	7.1	87	91	17.9	19.2
NOV													
18...	1400	EST	81213	6.9	8.8	7.3	76	5.7	6.2	66	71	25.5	16.8
DEC													
02...	1245	EST	81213	18	--	9.8	84	5.6	5.8	62	67	13.3	9.1
09...	1415	EST	81213	10	--	10.1	87	5.9	6.0	65	65	20.6	9.2
16...	1320	EST	81213	31	9.6	9.8	86	6.1	6.3	67	71	18.4	9.9

02318471 FRANKS CREEK AT SHILOH ROAD, NEAR VALDOSTA, GA--Continued (GEORGIA EPD ID 09038981)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
09...	9	29	.04	.290	.05	18.0	1.6	--
FEB								
27...	14	20	.12	.030	.10	18.0	1.9	3500
MAR								
05...	--	--	--	--	--	--	--	40
10...	--	--	--	--	--	--	--	140
20...	8	8	.03	.030	.09	34.0	1.1	170
APR								
09...	9	25	.05	.080	.13	18.0	2.4	--
MAY								
20...	13	24	.07	.230	.13	17.0	2.7	17000
JUN								
03...	--	--	--	--	--	--	--	330
10...	--	--	--	--	--	--	--	170
17...	26	13	.04	.130	.10	16.0	1.4	50
JUL								
15...	15	11	.05	.090	.12	32.0	1.2	80
29...	--	--	--	--	--	--	--	230
AUG								
05...	--	--	--	--	--	--	--	130
12...	17	10	.05	.050	.08	25.0	1.3	490
SEP								
23...	13	8	.04	.050	.09	43.0	1.2	--
OCT								
28...	27	25	.12	<.020	.13	34.0	2.3	--
NOV								
18...	11	10	.20	.050	.07	38.0	.7	70
DEC								
02...	--	--	--	--	--	--	--	170
09...	--	--	--	--	--	--	--	110
16...	9	2	.02	.030	.07	27.0	2.2	330

Remark codes used in this report:
< -- Less than
> -- Greater than

02318471 FRANKS CREEK AT SHILOH ROAD, NEAR VALDOSTA, GA--Continued (GEORGIA EPD ID 09038981)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
09...	1145	EST	81213	21	10.8	91	6.4	6.5	72	69	19.6	8.1	5.00
FEB													
27...	1220	EST	81213	178	8.1	81	6.5	6.6	62	58	19.9	15.2	6.20

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
09...	1.90	<1	<4	<.5	<1	<2	.2	<.1	<1	<4	<2	6
FEB												
27...	1.20	<1	<4	<.5	1	<2	1.2	<.1	<1	<4	<2	5

Remark codes used in this report:
< -- Less than

02318538 OKAPILCO CREEK AT JAMES BUCKNER ROAD, NEAR MOULTRIE, GA (GEORGIA EPD ID 09040201)

LOCATION.--Lat 31°15'17'', long 83°47'38'' (referenced to North American Datum (NAD) of 1927), Colquitt County, Hydrologic Unit 03110203, at the bridge on James Buckner Road (County Road 182), 1.2 miles west of Little Indian Creek, 3.4 miles northeast of Schley, and 5.9 miles north of Moultrie.

ELEVATION.--300 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, March 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
06...	1230	EST	81213	35	7.7	11.0	97	6.7	6.8	81	81	13.6	9.3
FEB													
24...	1405	EST	81213	39	E11	9.0	87	6.5	6.7	77	78	20.3	13.6
MAR													
03...	1430	EST	81213	183	--	6.8	64	6.4	6.4	65	61	12.4	12.8
13...	1305	EST	81213	65	--	7.5	82	6.4	7.1	63	62	26.5	19.0
17...	1230	EST	81213	99	31	6.2	64	6.3	6.8	61	60	20.6	17.1
APR													
01...	1045	EST	81213	23	--	8.8	81	6.3	7.0	67	80	16.9	12.5
09...	1215	EST	81213	131	--	6.7	72	6.1	6.7	60	56	21.2	18.1
15...	1115	EST	81213	27	12	7.3	78	6.3	7.0	74	73	25.5	19.1
MAY													
13...	1100	EST	81213	1.6	7.9	6.0	67	6.5	7.1	96	95	25.4	21.1
JUN													
03...	1325	EST	81213	1.4	36	5.6	66	6.6	6.9	77	80	25.1	23.2
JUL													
22...	1430	EST	81213	30	47	6.1	73	6.4	6.6	64	66	22.4	23.9
AUG													
06...	1010	EST	81213	101	--	5.8	71	6.5	6.7	66	68	31.1	25.0
12...	1440	EST	81213	79	13	--	--	6.3	7.0	61	64	26.3	24.5
19...	1000	EST	81213	84	--	5.6	68	6.4	6.7	63	65	28.5	25.3
SEP													
09...	1240	EST	81213	37	12	6.4	74	7.0	7.1	62	59	28.9	23.3
16...	1015	EST	81213	5.8	--	6.1	72	6.7	6.9	65	66	24.9	23.3
23...	1015	EST	81213	7.7	--	5.3	63	6.6	6.8	70	71	22.8	23.6
OCT													
07...	1240	EST	81213	.91	7.1	5.4	61	6.6	7.2	69	67	23.5	21.1
NOV													
04...	1330	EST	81213	8.8	4.6	6.9	78	6.7	7.1	81	83	27.6	21.0
DEC													
02...	1255	EST	81213	2.6	4.7	8.9	77	6.7	7.0	85	83	13.5	9.4

02318538 OKAPILCO CREEK AT JAMES BUCKNER ROAD, NEAR MOULTRIE, GA--Continued

(GEORGIA EPD ID 09040201)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
06...	11	8	.05	.740	.04	11.0	.7	--
FEB								
24...	11	2	.04	.490	.04	13.0	1.6	140
MAR								
03...	--	--	--	--	--	--	--	330
13...	--	--	--	--	--	--	--	50
17...	13	19	.05	.310	.09	14.0	1.6	1300
APR								
01...	--	--	--	--	--	--	--	20
09...	--	--	--	--	--	--	--	490
15...	16	7	.07	.580	.07	9.8	1.4	80
MAY								
13...	24	2	.08	.550	.05	10.0	1.0	--
JUN								
03...	21	41	.11	.170	.09	14.0	4.4	--
JUL								
22...	15	64	.04	.270	.11	8.0	2.8	16000
AUG								
06...	--	--	--	--	--	--	--	230
12...	17	7	.06	.230	.05	12.0	1.4	130
19...	--	--	--	--	--	--	--	330
SEP								
09...	17	6	.06	.170	.06	12.0	1.3	<20
16...	--	--	--	--	--	--	--	20
23...	--	--	--	--	--	--	--	110
OCT								
07...	19	2	.06	.160	.04	12.0	.4	170
NOV								
04...	17	7	.30	.550	.05	11.0	.8	--
DEC								
02...	16	2	.03	.380	.02	8.6	.6	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

02318538 OKAPILCO CREEK AT JAMES BUCKNER ROAD, NEAR MOULTRIE, GA--Continued

(GEORGIA EPD ID 09040201)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
06...	1230	EST	81213	35	11.0	97	6.7	6.8	81	81	13.6	9.3	--
FEB													
24...	1405	EST	81213	39	9.0	87	6.5	6.7	77	78	20.3	13.6	3.40

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
06...	--	<1	<4	<.5	<1	<2	.3	<.1	<1	<4	<2	3
FEB												
24...	2.60	<1	<4	<.5	<1	<2	.8	<.1	<1	<4	<2	2

Remark codes used in this report:
< -- Less than

02318591 OKAPILCO CREEK AT OLD BERLIN ROAD, NEAR MOULTRIE, GA (GEORGIA EPD ID 09040301)

LOCATION.--Lat 31°06'03'', long 83°43'42'' (referenced to North American Datum (NAD) of 1927), Colquitt County, Hydrologic Unit 03110203, at the bridge on Old Berlin Road (County Road 121), 3.9 miles upstream from confluence with Hog Creek, and 3.7 miles southeast of Moultrie.

ELEVATION.--220 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to August 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
06...	1035	EST	81213	75	10	11.4	96	6.7	6.9	94	94	13.5	8.0
FEB													
24...	1020	EST	81213	169	E30	8.0	73	6.4	6.6	78	79	14.8	11.5
MAR													
03...	1210	EST	81213	505	--	7.9	75	6.3	6.4	48	51	12.6	12.8
13...	1230	EST	81213	171	--	7.6	82	6.4	6.9	71	72	27.0	18.6
17...	0850	EST	81213	126	18	6.5	68	6.4	6.9	78	78	16.1	17.2
APR													
01...	0815	EST	81213	67	--	8.9	79	6.4	7.0	77	79	10.8	11.1
10...	0810	EST	81213	325	--	7.1	72	5.7	6.3	78	75	9.2	15.4
15...	0810	EST	81213	48	14	7.0	73	6.4	7.1	86	85	20.0	17.9
MAY													
13...	0755	EST	81213	6.1	9.8	5.0	56	6.5	7.0	141	144	18.4	21.0
JUN													
03...	0925	EST	81213	4.5	7.7	3.9	46	6.6	6.9	150	156	24.4	23.7
JUL													
22...	1045	EST	81213	5.2	6.9	3.9	49	7.0	7.2	135	163	30.2	27.2
AUG													
06...	0800	EST	81213	273	--	4.7	57	6.3	6.5	81	84	24.2	24.7
12...	1055	EST	81213	143	12	--	--	6.3	7.0	69	71	23.5	24.6
19...	0750	EST	81213	363	--	4.8	58	6.2	6.4	53	54	25.9	25.0
SEP													
09...	0930	EST	81213	160	11	5.6	64	6.8	6.7	64	62	21.9	22.2
16...	0805	EST	81213	9.9	--	5.9	70	6.7	6.9	98	101	21.3	23.4
23...	0815	EST	81213	6.4	--	5.1	61	6.5	6.8	116	118	21.3	23.8
OCT													
07...	0950	EST	81213	3.1	5.6	6.1	69	6.7	7.3	128	130	20.0	20.8
NOV													
04...	0945	EST	81213	15	6.2	8.7	95	6.7	7.0	104	111	24.2	19.6
DEC													
02...	0950	EST	81213	8.7	4.8	8.7	74	6.8	7.2	128	127	8.9	8.6

02318591 OKAPILCO CREEK AT OLD BERLIN ROAD, NEAR MOULTRIE, GA--Continued (GEORGIA EPD ID 09040301)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
06...	13	4	.11	.650	.11	12.0	.6	--
FEB								
24...	12	17	.04	.240	.16	18.0	2.1	1700
MAR								
03...	--	--	--	--	--	--	--	1100
13...	--	--	--	--	--	--	--	130
17...	16	8	.06	.450	.23	16.0	1.4	790
APR								
01...	--	--	--	--	--	--	--	130
10...	--	--	--	--	--	--	--	E9200
15...	16	6	.05	.640	.18	11.0	1.2	80
MAY								
13...	20	4	.33	1.20	.30	12.0	1.3	--
JUN								
03...	26	4	.12	.480	.36	12.0	1.7	--
JUL								
22...	28	8	.09	.250	.26	12.0	1.1	330
AUG								
06...	--	--	--	--	--	--	--	330
12...	17	6	.03	.190	.19	15.0	1.2	170
19...	--	--	--	--	--	--	--	330
SEP								
09...	13	1	.03	.140	.14	16.0	1.2	50
16...	--	--	--	--	--	--	--	40
23...	--	--	--	--	--	--	--	<20
OCT								
07...	24	5	.04	.470	.21	12.0	.1	230
NOV								
04...	18	2	1.00	.810	.26	11.0	.8	--
DEC								
02...	17	<1	.02	1.00	.30	9.1	.6	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

02318591 OKAPILCO CREEK AT OLD BERLIN ROAD, NEAR MOULTRIE, GA--Continued (GEORGIA EPD ID 09040301)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
06...	1035	EST	81213	75	11.4	96	6.7	6.9	94	94	13.5	8.0	--
FEB													
24...	1020	EST	81213	169	8.0	73	6.4	6.6	78	79	14.8	11.5	4.60

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
06...	--	<1	<4	<.5	<1	<2	.8	<.1	<1	<4	<2	9
FEB												
24...	2.10	<1	<4	<.5	<1	<2	2.2	<.1	<1	<4	<2	11

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02318650 MULE CREEK AT IONE ROAD, NEAR BARWICK, GA
(GEORGIA EPD ID 09041601)

LOCATION.--Lat 30°59'07'', long 83°44'16'' (referenced to North American Datum (NAD) of 1927), Brooks County, Hydrologic Unit 03070204, at the bridge on Ione Road (County Road 274), 2.1 miles upstream from confluence of Little Creek and Okapilco Creek, and 6.3 miles northeast of Barwick.

ELEVATION.--140 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, February 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. For the data-collection activity at this station during 2003, if the stream was observed to have insufficient flow, observed to be pooled with no visible flow, or was found to be dry, it was not sampled. The site visit was documented and is presented in the data table coded with parameter 99903 = 9. A stream is defined as "dry" at a station if there is a complete break in the continuity of the cross-section of water perpendicular to the flow that is visible upstream and/or downstream of the cross-section to be sampled.

02318650 MULE CREEK AT IONE ROAD, NEAR BARWICK, GA--Continued (GEORGIA EPD ID 09041601)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- tance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
07...	0730	EST	81213	3.6	6.0	9.9	82	6.4	6.8	114	115	-1.0	7.5
FEB													
25...	0715	EST	81213	.91	8.9	5.3	49	6.1	6.5	95	97	6.0	12.0
MAR													
04...	0720	EST	81213	18	--	7.7	72	6.2	6.8	79	76	13.0	12.2
12...	0915	EST	81213	4.6	--	5.8	58	5.8	6.9	84	85	18.7	16.1
18...	0650	EST	81213	18	24	6.6	70	6.0	6.5	57	55	17.0	17.7
APR													
02...	0630	EST	81213	1.1	--	6.7	62	6.0	6.6	91	91	6.8	12.6
09...	0700	EST	81213	14	--	11.4	123	5.7	6.3	63	60	16.4	18.3
16...	0600	EST	81213	.39	8.4	4.4	46	5.9	6.9	95	95	11.7	17.5
MAY													
14...	0545	EST	81213	.05	9.6	1.4	15	6.0	7.1	117	120	14.4	21.1
JUN													
04...	0610	EST	81213	.43	14	4.1	48	6.4	6.9	101	105	24.9	22.3
JUL													
23...	0625	EST	81213	.48	12	2.3	27	6.4	6.9	111	115	20.7	23.6
AUG													
05...	0640	EST	81213	.09	--	1.0	12	6.3	6.6	104	110	22.6	24.2
14...	0750	EST	81213	.16	21	1.7	21	5.8	6.9	98	109	25.8	24.6
19...	1350	EST	81213	.20	--	1.9	24	6.3	6.6	95	100	29.5	26.8
SEP													
10...	0715	EST	81213	.25	7.4	1.8	20	6.4	7.0	86	91	19.4	22.0
16...	1400	EST	81213	.05	--	.3	3	6.2	6.5	106	111	30.1	23.8
23...	1415	EST	81213	--	--	--	--	--	--	--	--	28.6	--
OCT													
08...	0730	EST	81213	.01	25	2.8	31	6.5	7.1	133	136	19.2	20.4
NOV													
05...	0720	EST	81213	.74	5.7	4.2	47	6.3	6.8	102	106	23.0	21.0
DEC													
03...	0730	EST	81213	2.1	5.3	6.0	50	6.3	6.9	98	98	7.0	8.2

02318650 MULE CREEK AT IONE ROAD, NEAR BARWICK, GA--Continued (GEORGIA EPD ID 09041601)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Dist-rict special 99903 (99903)
JAN									
07...	10	<1	.04	3.70	.03	13.0	.3	--	--
FEB									
25...	13	3	.11	1.30	.06	16.0	1.6	130	--
MAR									
04...	--	--	--	--	--	--	--	490	--
12...	--	--	--	--	--	--	--	20	--
18...	10	10	.06	.660	.18	20.0	.6	16000	--
APR									
02...	--	--	--	--	--	--	--	80	--
09...	--	--	--	--	--	--	--	<20	--
16...	13	1	.09	2.10	.06	7.7	.9	50	--
MAY									
14...	36	7	.23	<.020	.06	12.0	E1.3	--	--
JUN									
04...	28	13	.08	.050	.07	8.7	1.4	--	--
JUL									
23...	33	14	.07	<.020	.08	9.2	2.4	940	--
AUG									
05...	--	--	--	--	--	--	--	1800	--
14...	29	31	.20	<.020	.09	11.0	1.9	330	--
19...	--	--	--	--	--	--	--	330	--
SEP									
10...	22	4	.17	.070	.06	14.0	1.3	20	--
16...	--	--	--	--	--	--	--	110	--
23...	--	--	--	--	--	--	--	--	9.0
OCT									
08...	39	10	.51	<.020	.04	11.0	1.2	<20	--
NOV									
05...	16	5	.11	1.50	.05	6.8	1.1	--	--
DEC									
03...	17	3	.09	1.00	.02	6.6	<.1	--	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

02318650 MULE CREEK AT IONE ROAD, NEAR BARWICK, GA--Continued (GEORGIA EPD ID 09041601)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-tance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
07...	0730	EST	81213	3.6	9.9	82	6.4	6.8	114	115	-1.0	7.5	6.10
FEB													
25...	0715	EST	81213	.91	5.3	49	6.1	6.5	95	97	6.0	12.0	4.90

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
07...	4.30	<1	<4	<.5	<1	<2	.4	<.1	3	<4	<2	6
FEB												
25...	3.50	<1	<4	<.5	<1	<2	.7	<.1	<1	<4	<2	4

Remark codes used in this report:
< -- Less than

02318725 OKAPILCO CREEK AT US HIGHWAY 84, AT QUITMAN, GA (GEORGIA EPD ID 09042001)

LOCATION.--Lat 30°47'10", long 83°31'33" (referenced to North American Datum (NAD) of 1927), Brooks County, Hydrologic Unit 03110203, at the bridge on US Highway 84, 3.0 miles downstream from confluence with Coon Creek, and 1.1 miles east of Quitman.

DRAINAGE AREA.--278 square miles.

ELEVATION.--94 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1974 to February 1994, January 1998 to December 1998, February 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
09...	0835	EST	81213	498	12	10.7	90	6.4	6.8	73	70	5.8	7.6
FEB													
27...	0835	EST	81213	564	15	8.6	85	6.5	6.7	75	85	15.8	14.6
MAR													
05...	0650	EST	81213	1440	--	7.4	71	6.0	6.1	59	54	20.1	13.2
11...	0945	EST	81213	>2020	--	6.7	--	5.8	6.3	44	--	19.2	16.4
20...	0645	EST	81213	959	12	5.4	61	6.2	6.8	63	62	24.9	21.1
APR													
09...	0700	EST	81213	631	21	6.1	66	6.5	6.4	56	59	16.6	19.1
MAY													
20...	0620	EST	81213	59	17	4.8	55	6.3	7.0	82	86	19.9	22.5
JUN													
03...	0700	EST	81213	29	--	5.0	--	6.5	6.7	89	--	21.8	23.3
10...	0700	EST	81213	204	--	5.9	71	6.3	6.8	66	72	24.8	24.6
17...	0700	EST	81213	144	8.1	5.3	--	6.2	6.9	80	--	22.0	25.1
JUL													
15...	0700	EST	81213	84	8.0	5.4	66	6.3	6.9	77	82	23.1	25.1
29...	0800	EST	81213	698	--	5.4	66	5.8	6.3	60	65	26.9	25.4
AUG													
05...	0800	EST	81213	300	--	5.5	67	6.1	6.6	66	70	26.7	24.8
12...	0730	EST	81213	508	13	5.3	64	5.9	6.9	66	72	23.8	25.0
SEP													
23...	0830	EST	81213	24	7.2	4.8	57	6.3	7.0	82	87	25.6	24.0
OCT													
28...	0800	EST	81213	19	10	3.9	43	6.2	6.8	96	101	19.9	19.7
NOV													
18...	0815	EST	81213	28	4.5	7.3	73	6.4	7.0	103	108	18.4	15.4
DEC													
02...	0815	EST	81213	103	--	9.9	85	6.3	6.8	90	94	6.5	8.8
09...	1120	EST	81213	31	--	10.5	90	6.5	6.8	89	89	16.5	8.9
16...	0800	EST	81213	92	5.4	9.6	83	6.5	6.9	82	86	6.2	9.2

02318725 OKAPILCO CREEK AT US HIGHWAY 84, AT QUITMAN, GA--Continued (GEORGIA EPD ID 09042001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
09...	9	3	.03	.220	.08	14.0	1.4	--
FEB								
27...	12	12	.16	.600	.11	15.0	1.5	790
MAR								
05...	--	--	--	--	--	--	--	20
11...	--	--	--	--	--	--	--	70
20...	13	6	.10	.130	.14	19.0	1.0	110
APR								
09...	12	14	.19	.220	.16	14.0	2.1	--
MAY								
20...	18	17	.09	.240	.18	13.0	1.8	17000
JUN								
03...	--	--	--	--	--	--	--	<20
10...	--	--	--	--	--	--	--	220
17...	17	7	.04	.230	.11	15.0	1.0	40
JUL								
15...	17	4	.04	.170	.12	14.0	.8	50
29...	--	--	--	--	--	--	--	170
AUG								
05...	--	--	--	--	--	--	--	230
12...	14	14	.07	.120	.12	17.0	1.1	50
SEP								
23...	19	4	.07	.180	.10	13.0	.8	--
OCT								
28...	20	26	.05	.070	.10	10.0	1.5	--
NOV								
18...	19	2	.04	.090	.07	12.0	.4	<20
DEC								
02...	--	--	--	--	--	--	--	790
09...	--	--	--	--	--	--	--	80
16...	15	<1	.03	.070	.07	8.8	2.2	490

Remark codes used in this report:
< -- Less than
> -- Greater than

02318725 OKAPILCO CREEK AT US HIGHWAY 84, AT QUITMAN, GA--Continued (GEORGIA EPD ID 09042001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
09...	0835	EST	81213	498	10.7	90	6.4	6.8	73	70	5.8	7.6	5.50
FEB													
27...	0835	EST	81213	564	8.6	85	6.5	6.7	75	85	15.8	14.6	5.10

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
09...	3.20	<1	<4	<.5	<1	<2	.5	<.1	<1	<4	<2	3
FEB												
27...	2.30	<1	<4	<.5	<1	<2	1.1	<.1	<1	<4	<2	7

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02318778 PISCOLA CREEK AT GEORGIA HIGHWAY 38, NEAR DIXIE, GA (GEORGIA EPD ID 09043001)

LOCATION.--Lat 30°47’35’’, long 83°42’23’’ (referenced to North American Datum (NAD) of 1927), Brooks County, Hydrologic Unit 03110203, at the bridge on Georgia Highway 38, 0.6 mile north of Pidcock, 0.8 mile downstream from the confluence with Carroll Branch, and 2.0 miles west of Dixie.

ELEVATION.--140 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, February 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
09...	0730	EST	81213	53	35	8.7	73	6.2	6.2	77	72	4.1	7.9
FEB													
27...	0720	EST	81213	143	39	6.2	61	6.1	6.4	62	58	14.0	14.7
MAR													
05...	0730	EST	81213	>455	--	6.3	61	6.0	6.1	51	54	15.3	13.7
11...	1020	EST	81213	>455	--	5.8	59	5.7	6.3	39	38	21.6	16.4
20...	0740	EST	81213	>455	12	5.0	57	5.8	6.4	48	62	23.9	21.4
APR													
09...	0830	EST	81213	>455	62	4.8	52	6.1	6.2	41	43	17.8	18.5
MAY													
20...	0725	EST	81213	16	240	3.3	37	6.0	6.5	66	69	19.6	21.2
JUN													
03...	0800	EST	81213	1.3	--	.8	10	6.1	6.4	81	93	25.1	23.0
10...	0740	EST	81213	208	--	4.3	51	5.9	7.2	59	63	25.0	24.7
17...	0805	EST	81213	47	20	3.6	44	5.9	6.6	61	59	24.5	24.5
JUL													
15...	0830	EST	81213	24	8.9	2.8	33	6.0	6.7	70	74	24.7	24.6
29...	0910	EST	81213	215	--	4.2	52	5.8	6.2	53	58	27.9	25.9
AUG													
05...	0900	EST	81213	99	--	4.2	51	6.0	6.4	58	64	27.4	24.6
12...	0845	EST	81213	59	8.0	3.6	43	5.9	6.7	59	66	25.1	25.0
SEP													
23...	0950	EST	81213	7.0	16	.6	7	6.1	6.6	72	82	23.8	24.2
OCT													
28...	0920	EST	81213	.11	9.9	1.1	12	6.2	6.8	94	99	19.1	19.7
NOV													
18...	0940	EST	81213	7.0	4.5	1.1	11	5.8	6.5	88	92	20.4	15.5
DEC													
02...	0915	EST	81213	49	--	5.8	50	5.8	6.2	69	74	8.8	9.4
09...	1030	EST	81213	35	--	4.3	35	5.9	6.1	77	77	13.8	7.5
16...	0845	EST	81213	80	6.4	7.5	64	6.1	6.5	72	76	8.8	8.9

02318778 PISCOLA CREEK AT GEORGIA HIGHWAY 38, NEAR DIXIE, GA--Continued (GEORGIA EPD ID 09043001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
09...	8	63	.04	1.10	.16	12.0	2.3	--
FEB								
27...	9	45	.04	.340	.20	13.0	2.1	230
MAR								
05...	--	--	--	--	--	--	--	<20
11...	--	--	--	--	--	--	--	330
20...	9	1	.04	.060	.08	19.0	.9	80
APR								
09...	8	26	.06	.300	.15	13.0	2.1	--
MAY								
20...	13	88	.15	.770	.29	8.4	2.1	>24000
JUN								
03...	--	--	--	--	--	--	--	60
10...	--	--	--	--	--	--	--	130
17...	13	19	.08	.310	.10	11.0	1.5	50
JUL								
15...	14	8	.09	.130	.10	13.0	1.5	50
29...	--	--	--	--	--	--	--	80
AUG								
05...	--	--	--	--	--	--	--	<20
12...	13	2	.07	.140	.07	17.0	1.1	20
SEP								
23...	17	20	.18	<.020	.16	14.0	5.2	--
OCT								
28...	28	13	.19	<.020	.15	15.0	2.4	--
NOV								
18...	19	1	.09	<.020	.10	14.0	1.4	<20
DEC								
02...	--	--	--	--	--	--	--	110
09...	--	--	--	--	--	--	--	20
16...	10	1	.03	.090	.05	8.9	1.6	170

Remark codes used in this report:
< -- Less than
> -- Greater than

02318778 PISCOLA CREEK AT GEORGIA HIGHWAY 38, NEAR DIXIE, GA--Continued (GEORGIA EPD ID 09043001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
09...	0730	EST	81213	53	8.7	73	6.2	6.2	77	72	4.1	7.9	3.90
FEB													
27...	0720	EST	81213	143	6.2	61	6.1	6.4	62	58	14.0	14.7	2.90

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
09...	2.50	<1	<4	<.5	2	<2	1.5	<.1	<1	<4	<2	11
FEB												
27...	1.80	<1	<4	<.5	2	<2	2.1	<.1	<1	<4	<2	8

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02318820 NEGRO BRANCH AT BETHLEHEM CHURCH ROAD, NEAR QUITMAN, GA (GEORGIA EPD ID 09043701)

LOCATION.--Lat 30°45'03'', long 83°35'30'' (referenced to North American Datum (NAD) of 1927), Brooks County, Hydrologic Unit 03110203, at the crossing on Bethlehem Church Road (County Road 125), 0.2 mile upstream from confluence with Piscola Creek, 3.4 miles southwest of the intersection of US Highways 221 and 84, and 2.4 miles southwest of Quitman.

ELEVATION.--120 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, February 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)
JAN													
09...	0915	EST	81213	10	11.5	98	6.3	6.6	87	85	9.5	8.4	8
FEB													
27...	0925	EST	81213	33	6.9	68	6.1	6.2	60	55	15.5	14.4	8
MAR													
05...	0805	EST	81213	--	7.9	76	6.0	6.2	65	59	19.2	13.7	--
11...	0925	EST	81213	--	7.3	74	5.8	6.2	49	49	16.2	16.4	--
20...	0800	EST	81213	10	6.5		6.0	6.6	59	--	24.9	21.1	9
APR													
09...	0945	EST	81213	50	6.8	72	5.7	5.8	37	38	19.8	18.2	5
MAY													
20...	0820	EST	81213	42	6.4	72	5.9	6.4	56	58	20.2	21.3	9
JUN													
03...	0915	EST	81213	--	4.6	54	6.2	6.5	69	75	25.9	23.3	--
10...	0830	EST	81213	--	6.3	75	6.1	6.5	66	71	25.7	24.2	--
17...	0910	EST	81213	12	6.0	72	6.3	6.8	71	70	25.1	24.5	14
JUL													
15...	0945	EST	81213	17	5.4	63	6.5	6.8	72	76	27.6	24.6	17
29...	1030	EST	81213	--	6.0	73	6.4	6.7	68	73	31.3	25.5	--
AUG													
05...	1000	EST	81213	--	6.2	75	6.2	6.6	62	67	27.6	24.8	--
12...	0945	EST	81213	13	6.0	71	6.2	6.9	71	76	24.3	24.7	17
SEP													
23...	1055	EST	81213	10	4.2	50	6.2	6.8	69	75	25.0	24.1	15
OCT													
28...	1020	EST	81213	9.3	5.8	65	6.3	7.1	75	81	18.6	19.9	17
NOV													
18...	1040	EST	81213	17	7.5	78	5.9	6.4	70	74	24.6	17.1	10
DEC													
02...	1010	EST	81213	--	8.8	79	5.8	6.1	48	53	9.8	11.1	--
09...	0950	EST	81213	--	11.2	98	6.0	6.0	47	47	11.8	9.5	--
16...	0930	EST	81213	6.0	9.4	84	5.9	6.2	55	60	10.2	10.3	8

02318820 NEGRO BRANCH AT BETHLEHEM CHURCH ROAD, NEAR QUITMAN, GA--Continued

(GEORGIA EPD ID 09043701)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN							
09...	6	.06	1.50	.06	13.0	1.1	--
FEB							
27...	54	.07	.230	.22	18.0	2.6	>24000
MAR							
05...	--	--	--	--	--	--	790
11...	--	--	--	--	--	--	330
20...	9	.06	.560	.10	19.0	.8	220
APR							
09...	25	.08	.260	.18	18.0	2.3	--
MAY							
20...	31	.08	.390	.15	15.0	2.4	>24000
JUN							
03...	--	--	--	--	--	--	700
10...	--	--	--	--	--	--	700
17...	17	.14	.660	.09	17.0	1.3	490
JUL							
15...	25	.09	.330	.12	17.0	1.4	80
29...	--	--	--	--	--	--	270
AUG							
05...	--	--	--	--	--	--	700
12...	13	.08	.350	.08	17.0	1.4	1100
SEP							
23...	3	.06	.300	.09	19.0	1.1	--
OCT							
28...	10	.04	.280	.10	19.0	1.3	--
NOV							
18...	20	.10	.670	.10	16.0	1.1	70
DEC							
02...	--	--	--	--	--	--	130
09...	--	--	--	--	--	--	80
16...	2	.03	.270	.06	15.0	1.6	170

Remark codes used in this report:
> -- Greater than

02318820 NEGRO BRANCH AT BETHLEHEM CHURCH ROAD, NEAR QUITMAN, GA--Continued

(GEORGIA EPD ID 09043701)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)	Magnesium, water, unfltrd recoverable, mg/L (00927)
JAN													
09...	0915	EST	81213	11.5	98	6.3	6.6	87	85	9.5	8.4	4.90	2.80
FEB													
27...	0925	EST	81213	6.9	68	6.1	6.2	60	55	15.5	14.4	3.30	1.50

Date	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN											
09...	<1	<4	<.5	<1	<2	.2	<.1	<1	<4	<2	6
FEB											
27...	<1	<4	<.5	1	<2	1.4	<.1	<1	<4	<2	8

Remark codes used in this report:
< -- Less than

02318870 PISCOLA CREEK AT GEORGIA HIGHWAY 33, BELOW QUITMAN, GA (GEORGIA EPD ID 09043901)

LOCATION.--Lat 30°44'22'', long 83°32'11'' (referenced to North American Datum (NAD) of 1927), Brooks County, Hydrologic Unit 03110203, at the bridge on Georgia Highway 33, 0.3 mile downstream from confluence with Pine Branch, and 3.1 miles southeast of Quitman.

DRAINAGE AREA.--152 square miles.

ELEVATION.--110 feet, approximately (referenced to National Geodetic Vertical Datum (NGDV) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to August 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
09...	1000	EST	81213	186	12	10.7	89	6.2	6.2	62	59	13.8	7.2
FEB													
27...	1010	EST	81213	277	15	7.7	77	6.1	6.2	49	51	16.9	15.0
MAR													
05...	0840	EST	81213	>500	--	6.5	62	6.0	6.3	50	50	18.2	13.9
11...	0900	EST	81213	>500	--	6.2	64	5.8	6.4	43	42	15.6	17.1
20...	0850	EST	81213	466	14	5.0		5.9	6.3	50	--	23.7	21.7
APR													
09...	1055	EST	81213	462	25	6.3	68	6.2	6.2	45	47	21.0	18.8
MAY													
20...	0915	EST	81213	62	14	5.3	59	5.8	6.6	46	48	19.7	21.0
JUN													
03...	1000	EST	81213	.00	--	3.8	44	6.0	6.4	64	70	26.7	22.9
10...	0900	EST	81213	221	--	5.7	68	5.9	6.3	52	56	30.1	23.9
17...	1015	EST	81213	138	7.3	5.4	65	6.0	6.5	56	55	28.4	24.1
JUL													
15...	1040	EST	81213	32	5.5	4.6	54	6.1	6.6	61	65	28.4	24.2
29...	1115	EST	81213	448	--	5.3	65	5.7	6.0	42	46	32.3	25.6
AUG													
05...	1040	EST	81213	126	--	5.1	61	6.0	6.4	54	59	29.0	24.3
12...	1040	EST	81213	264	9.6	5.5	66	5.8	6.6	51	55	24.0	24.4
SEP													
23...	1150	EST	81213	.00	3.6	1.9	23	6.1	6.8	74	46	31.0	26.2
OCT													
28...	1130	EST	81213	.00	5.9	3.7	41	5.9	6.8	71	73	18.7	19.5
NOV													
18...	1145	EST	81213	.00	2.7	4.3	44	6.0	6.6	74	78	26.3	16.6
DEC													
02...	1100	EST	81213	56	--	8.8	75	6.0	6.3	55	60	12.5	8.5
09...	0755	EST	81213	30	--	11.1	91	6.7	6.3	58	57	1.3	7.2
16...	1020	EST	81213	106	5.1	8.9	77	6.0	6.5	54	59	12.6	9.1

02318870 PISCOLA CREEK AT GEORGIA HIGHWAY 33, BELOW QUITMAN, GA—Continued

(GEORGIA EPD ID 09043901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
09...	7	12	.02	.080	.05	18.0	1.8	--
FEB								
27...	8	29	.01	<.020	.09	18.0	3.3	940
MAR								
05...	--	--	--	--	--	--	--	330
11...	--	--	--	--	--	--	--	130
20...	9	7	.09	.060	.10	20.0	.9	20
APR								
09...	9	25	.14	.110	.13	16.0	2.2	--
MAY								
20...	9	13	.06	.100	.08	13.0	2.0	>24000
JUN								
03...	--	--	--	--	--	--	--	170
10...	--	--	--	--	--	--	--	330
17...	11	7	.06	.110	.08	16.0	1.1	230
JUL								
15...	12	3	.04	.080	.10	16.0	1.1	50
29...	--	--	--	--	--	--	--	110
AUG								
05...	--	--	--	--	--	--	--	140
12...	10	9	.03	.070	.07	16.0	1.2	170
SEP								
23...	19	4	.10	.030	.10	18.0	1.2	--
OCT								
28...	15	15	.02	<.020	.09	16.0	3.1	--
NOV								
18...	14	4	.03	<.020	.06	16.0	.5	<20
DEC								
02...	--	--	--	--	--	--	--	80
09...	--	--	--	--	--	--	--	40
16...	9	<1	.03	<.020	.05	14.0	2.5	490

Remark codes used in this report:
< -- Less than
> -- Greater than

02318870 PISCOLA CREEK AT GEORGIA HIGHWAY 33, BELOW QUITMAN, GA—Continued

(GEORGIA EPD ID 09043901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recover-able, mg/L (00916)
JAN													
09...	1000	EST	81213	186	10.7	89	6.2	6.2	62	59	13.8	7.2	3.00
FEB													
27...	1010	EST	81213	277	7.7	77	6.1	6.2	49	51	16.9	15.0	2.60

Date	Magnesium, water, unfltrd recover-able, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mercury water, unfltrd recover-able, ug/L (71900)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recover-able, ug/L (01092)
JAN												
09...	1.90	<1	<4	<.5	1	<2	.6	<.1	<1	<4	<2	6
FEB												
27...	1.50	<1	<4	<.5	<1	<2	.8	<.1	<1	<4	<2	5

Remark codes used in this report:
< -- Less than

SUWANNEE RIVER BASIN
2003 Calendar Year

02318940 WITHLACOOCHEE RIVER AT CLYATTVILLE-NANKIN ROAD, NEAR CLYATTVILLE, GA

(GEORGIA EPD ID 09044501)

LOCATION.--Lat 30°40'29", long 83°23'41" (referenced to North American Datum (NAD) of 1927), Lowndes-Brooks County line, Hydrologic Unit 03110203, at the bridge on Clyattville-Nankin Road (County Road S-951), 3.4 miles upstream from confluence with Clyatt Mill Creek, 0.6 mile downstream from confluence with Redland Creek, and 5.2 miles southwest of Clyattville.

DRAINAGE AREA.--1,980 square miles.

ELEVATION.--80 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2000 to current year.

REMARKS.--Prior to calendar year 2000, water-quality samples representing this reach of the Withlacoochee River were collected at Georgia Highway 31, station 02318960. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

02318940 WITHLACOOCHEE RIVER AT CLYATTVILLE-NANKIN ROAD, NEAR CLYATTVILLE, GA--Continued

(GEORGIA EPD ID 09044501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
09...	1055	EST	81213	4500	9.8	10.7	91	6.5	6.9	78	76	15.6	8.2
FEB													
27...	1100	EST	81213	2720	9.0	8.6	85	6.6	6.7	83	81	20.5	14.7
MAR													
05...	0915	EST	81213	11100	--	7.1	69	6.0	6.1	61	57	21.5	13.8
11...	0830	EST	81213	>15500	--	6.3	65	5.5	6.3	51	48	13.9	16.6
20...	0945	EST	81213	12000	10	5.2	57	6.0	6.6	63	76	26.0	20.3
APR													
09...	1300	EST	81213	3560	55	6.3	69	6.5	6.5	63	66	22.0	19.5
MAY													
20...	1020	EST	81213	170	5.0	5.3	63	6.6	7.3	103	107	21.3	24.1
JUN													
03...	1050	EST	81213	156	--	5.4	66	6.6	6.9	105	113	27.5	25.7
10...	0950	EST	81213	1510	--	5.9	72	6.3	6.3	64	69	29.2	25.3
17...	1115	EST	81213	1350	23	5.5	68	6.4	6.9	67	72	30.5	26.0
JUL													
15...	1200	EST	81213	761	7.4	5.4	66	6.4	7.0	84	89	28.6	26.6
29...	1155	EST	81213	4210	--	5.7	70	6.0	6.3	59	63	31.0	26.0
AUG													
05...	1120	EST	81213	3370	--	5.7	70	6.3	6.6	63	73	30.1	25.6
12...	1150	EST	81213	5760	9.4	5.2	64	6.1	6.8	61	67	26.2	25.5
SEP													
23...	1300	EST	81213	231	6.6	5.2	64	6.3	7.1	89	94	28.5	25.4
OCT													
28...	1225	EST	81213	71	4.2	6.5	74	6.7	7.5	130	135	19.1	20.8
NOV													
18...	1250	EST	81213	207	3.9	7.7	79	6.5	7.1	104	107	29.3	17.0
DEC													
02...	1150	EST	81213	518	--	9.7	87	6.7	7.0	101	105	14.1	10.9
09...	0710	EST	81213	132	--	9.8	86	7.2	6.9	97	98	-.2	9.7
16...	1115	EST	81213	744	9.6	9.6	86	6.7	7.0	83	86	14.7	10.5

02318940 WITHLACOOCHEE RIVER AT CLYATTVILLE-NANKIN ROAD, NEAR CLYATTVILLE, GA--Continued

(GEORGIA EPD ID 09044501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
09...	10	3	.03	.200	.06	17.0	1.4	--
FEB								
27...	12	6	.03	.160	.08	18.0	1.3	170
MAR								
05...	--	--	--	--	--	--	--	170
11...	--	--	--	--	--	--	--	130
20...	12	6	.07	.130	.10	21.0	1.0	20
APR								
09...	12	38	.18	.330	.23	18.0	2.3	--
MAY								
20...	27	3	.07	.480	.14	14.0	.5	50
JUN								
03...	--	--	--	--	--	--	--	<20
10...	--	--	--	--	--	--	--	230
17...	15	13	.06	.280	.14	12.0	1.1	170
JUL								
15...	20	4	.05	.300	.12	16.0	.8	20
29...	--	--	--	--	--	--	--	170
AUG								
05...	--	--	--	--	--	--	--	130
12...	13	5	.05	.130	.08	20.0	1.1	20
SEP								
23...	22	2	.07	.350	.11	15.0	.6	--
OCT								
28...	34	9	.04	.590	.17	9.6	.8	--
NOV								
18...	21	2	.05	.400	.10	13.0	.2	<20
DEC								
02...	--	--	--	--	--	--	--	170
09...	--	--	--	--	--	--	--	<20
16...	16	2	.04	.260	.11	12.0	2.3	230

Remark codes used in this report:
< -- Less than
> -- Greater than

02318940 WITHLACOOCHEE RIVER AT CLYATTVILLE-NANKIN ROAD, NEAR CLYATTVILLE, GA--Continued

(GEORGIA EPD ID 09044501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recover-able, mg/L (00916)
JAN													
09...	1055	EST	81213	4500	10.7	91	6.5	6.9	78	76	15.6	8.2	4.60
FEB													
27...	1100	EST	81213	2720	8.6	85	6.6	6.7	83	81	20.5	14.7	4.90

Date	Magnesium, water, unfltrd recover-able, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mercury water, unfltrd recover-able, ug/L (71900)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recover-able, ug/L (01092)
JAN												
09...	2.40	<1	<4	<.5	<1	<2	.9	<.1	<1	<4	<2	6
FEB												
27...	2.30	<1	<4	<.5	<1	<2	.8	<.1	<1	<4	<2	5

Remark codes used in this report:
< -- Less than

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02327169 OCHLOCKONEE RIVER AT BROOKS ROAD, NEAR BRIDGEBORO, GA (GEORGIA EPD ID 10000491)

LOCATION.--Lat 31°24'01'', long 83°53'33'' (referenced to North American Datum (NAD) of 1927), Worth County, Hydrologic Unit 03120002, at the bridge on Brooks Road, 1.5 miles upstream from confluence with Bay Branch, 7.8 miles upstream from confluence with Little Ochlockonee River, and 4.9 miles east of Bridgeboro.

ELEVATION.--336 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. For the data-collection activity at this station during 2003, if the stream was observed to have insufficient flow, observed to be pooled with no visible flow, or was found to be dry, it was not sampled. The site visit was documented and is presented in the data table coded with parameter 99903 = 9. A stream is defined as "dry" at a station if there is a complete break in the continuity of the cross-section of water perpendicular to the flow that is visible upstream and/or downstream of the cross-section to be sampled.

02327169 OCHLOCKONEE RIVER AT BROOKS ROAD, NEAR BRIDGEBORO, GA--Continued

(GEORGIA EPD ID 10000491)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
14...	1325	EST	81213	3.6	--	11.4	94	6.5	7.0	67	61	15.7	7.1
30...	1000	EST	81213	1.7	11	8.8	76	6.7	6.8	68	66	13.3	9.1
FEB													
05...	1005	EST	81213	.51	--	7.8	69	6.3	6.8	69	67	6.7	9.7
11...	1300	EST	81213	--	16	9.6	85	6.6	7.2	64	64	15.8	10.2
MAR													
25...	0850	EST	81213	9.3	27	6.5	65	6.3	6.8	58	58	16.4	15.5
APR													
03...	1055	EST	81213	2.9	--	8.5	85	6.4	7.0	61	58	22.4	15.5
09...	0905	EST	81213	166	--	6.6	70	6.2	6.2	46	46	18.3	17.8
15...	0800	EST	81213	3.2	19	6.1	64	6.7	6.7	62	65	19.4	17.6
MAY													
13...	1055	EST	81213	--	--	--	--	--	--	--	--	25.3	--
JUN													
25...	0810	EST	81213	--	--	--	--	--	--	--	--	22.0	--
JUL													
09...	1055	EST	81213	--	--	--	--	--	--	--	--	33.5	--
AUG													
20...	0910	EST	81213	--	--	--	--	--	--	--	--	22.5	--
SEP													
03...	0830	EST	81213	--	--	--	--	--	--	--	--	22.5	--
10...	1115	EST	81213	3.5	--	5.4	63	6.3	7.0	66	70	28.1	23.1
17...	1100	EST	81213	--	--	--	--	--	--	--	--	28.2	--
24...	0845	EST	81213	--	--	--	--	--	--	--	--	19.5	--
OCT													
08...	1030	EST	81213	--	--	--	--	--	--	--	--	25.2	--
15...	0905	EST	81213	<.23	--	2.4	26	6.3	6.6	80	85	16.4	19.4
NOV													
05...	1310	EST	81213	--	--	--	--	--	--	--	--	23.2	--
DEC													
10...	1030	EST	81213	1.6	7.1	8.2	76	6.5	7.1	73	74	17.8	11.4

02327169 OCHLOCKONEE RIVER AT BROOKS ROAD, NEAR BRIDGEBORO, GA--Continued

(GEORGIA EPD ID 10000491)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Dist-rict special 99903 (99903)
JAN									
14...	--	--	--	--	--	--	--	230	--
30...	13	2	.06	.330	.04	9.9	.8	330	--
FEB									
05...	--	--	--	--	--	--	--	<20	--
11...	12	5	.06	.210	<.02	9.6	1.3	<20	--
MAR									
25...	14	9	.18	.250	.05	11.0	1.0	80	--
APR									
03...	--	--	--	--	--	--	--	50	--
09...	--	--	--	--	--	--	--	<20	--
15...	15	11	.15	.260	.04	9.0	1.0	50	--
MAY									
13...	--	--	--	--	--	--	--	--	9.0
JUN									
25...	--	--	--	--	--	--	--	--	9.0
JUL									
09...	--	--	--	--	--	--	--	--	9.0
AUG									
20...	--	--	--	--	--	--	--	--	9.0
SEP									
03...	--	--	--	--	--	--	--	--	9.0
10...	--	--	--	--	--	--	--	490	--
17...	--	--	--	--	--	--	--	--	9.0
24...	--	--	--	--	--	--	--	--	9.0
OCT									
08...	--	--	--	--	--	--	--	--	9.0
15...	--	--	--	--	--	--	--	110	--
NOV									
05...	--	--	--	--	--	--	--	--	9.0
DEC									
10...	16	7	.04	.100	<.02	7.5	E.7	--	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02327169 OCHLOCKONEE RIVER AT BROOKS ROAD, NEAR BRIDGEBORO, GA--Continued

(GEORGIA EPD ID 10000491)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
30...	1000	EST	81213	1.7	8.8	76	6.7	6.8	68	66	13.3	9.1	4.70
APR													
15...	0800	EST	81213	3.2	6.1	64	6.7	6.7	62	65	19.4	17.6	4.80

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
30...	2.10	<1	<4	<.5	<1	<2	<.1	<.1	2	<4	<2	<2
APR												
15...	2.10	<1	<4	<.5	<1	<2	1.2	<.1	<1	<4	<2	4

Remark codes used in this report:
< -- Less than

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02327195 OCHLOCKONEE RIVER AT GEORGIA HIGHWAY 133, NEAR MOULTRIE, GA (GEORGIA EPD ID 10002001)

LOCATION.--Lat 31°14'25'', long 83°49'40'' (referenced to North American Datum (NAD) of 1927), Colquitt County, Hydrologic Unit 03120002, at the bridge on Georgia Highway 133, 0.9 mile north of Schley, 2.6 miles northwest of the intersection with Georgia Highway 33, and 5.3 miles northwest of Moultrie.

ELEVATION.--280 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, August 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
06...	1315	EST	81213	119	18	10.7	92	6.6	6.9	68	68	14.9	8.4
FEB													
24...	1315	EST	81213	283	E30	7.3	70	6.2	6.4	57	57	23.5	13.5
MAR													
03...	1400	EST	81213	673	--	8.1	77	6.3	6.5	51	45	13.4	13.0
13...	1330	EST	81213	200	--	6.7	72	6.3	7.0	53	53	26.9	18.7
17...	1145	EST	81213	195	20	6.0	63	6.3	6.8	62	61	19.9	17.2
APR													
01...	1015	EST	81213	97	--	8.0	72	6.2	6.8	62	81	16.4	11.8
09...	1150	EST	81213	263	--	6.0	65	6.0	6.8	57	54	20.9	18.4
15...	1035	EST	81213	81	17	6.5	67	6.2	6.8	64	61	25.0	17.6
MAY													
13...	1015	EST	81213	4.2	6.7	3.1	35	6.3	7.1	85	85	25.4	21.6
JUN													
03...	1225	EST	81213	4.3	19	2.9	34	6.3	6.7	83	87	26.3	22.6
JUL													
22...	1355	EST	81213	52	110	6.9	81	6.0	6.3	39	40	21.5	23.2
AUG													
06...	0945	EST	81213	373	--	5.1	61	6.2	6.4	48	51	27.7	24.4
12...	1405	EST	81213	247	15	--	--	6.1	6.9	53	56	24.6	24.4
19...	0935	EST	81213	165	--	4.2	50	6.3	6.6	59	62	29.2	24.9
SEP													
09...	1155	EST	81213	168	14	5.5	63	6.7	7.0	54	53	25.7	22.4
16...	0945	EST	81213	17	--	5.0	59	6.5	6.8	71	73	24.6	22.8
23...	0950	EST	81213	25	--	4.4	52	6.5	6.8	74	75	21.8	23.1
OCT													
07...	1200	EST	81213	6.7	4.4	3.8	42	6.6	7.0	80	79	23.5	20.7
NOV													
04...	1245	EST	81213	21	5.8	6.0	66	6.5	7.0	77	79	28.2	19.2
DEC													
02...	1215	EST	81213	22	4.4	8.8	75	6.6	7.0	75	73	13.5	9.1

02327195 OCHLOCKONEE RIVER AT GEORGIA HIGHWAY 133, NEAR MOULTRIE, GA--Continued

(GEORGIA EPD ID 10002001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
06...	11	2	.05	.380	.06	12.0	.9	--
FEB								
24...	9	9	.10	.140	.07	16.0	2.1	3500
MAR								
03...	--	--	--	--	--	--	--	2800
13...	--	--	--	--	--	--	--	110
17...	15	6	.08	.230	.08	15.0	1.0	790
APR								
01...	--	--	--	--	--	--	--	80
09...	--	--	--	--	--	--	--	490
15...	15	4	.08	.310	.08	11.0	1.2	130
MAY								
13...	25	2	.09	.140	.07	12.0	1.2	--
JUN								
03...	25	27	.11	.050	.14	15.0	4.4	--
JUL								
22...	9	126	.10	.210	.16	7.4	4.4	3500
AUG								
06...	--	--	--	--	--	--	--	130
12...	13	5	.06	.110	.06	14.0	1.4	110
19...	--	--	--	--	--	--	--	50
SEP								
09...	13	5	.05	.100	.07	14.0	1.2	80
16...	--	--	--	--	--	--	--	<20
23...	--	--	--	--	--	--	--	490
OCT								
07...	23	4	.06	.070	.05	12.0	.7	170
NOV								
04...	17	11	.06	.080	.06	11.0	.8	--
DEC								
02...	16	<1	.02	.080	.03	8.0	.9	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

02327195 OCHLOCKONEE RIVER AT GEORGIA HIGHWAY 133, NEAR MOULTRIE, GA--Continued

(GEORGIA EPD ID 10002001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
06...	1315	EST	81213	119	10.7	92	6.6	6.9	68	68	14.9	8.4	--
FEB													
24...	1315	EST	81213	283	7.3	70	6.2	6.4	57	57	23.5	13.5	2.90

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
06...	--	<1	<4	<.5	<1	<2	.6	<.1	<1	<4	<2	4
FEB												
24...	1.70	<1	<4	<.5	<1	<2	1.0	<.1	<1	<4	<2	4

Remark codes used in this report:
< -- Less than

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02327205 OCHLOCKONEE RIVER AT LOWER MEIGS ROAD, NEAR MOULTRIE, GA (GEORGIA EPD ID 10003001)

LOCATION.--Lat 31°08'31", long 83°48'13" (referenced to North American Datum (NAD) of 1927), Colquitt County, Hydrologic Unit 03120002, at the bridge on Lower Meigs Road, 6.3 miles downstream from confluence with Wolf Pit Branch, and 0.3 mile southwest of Moultrie.

DRAINAGE AREA.--103.6 square miles.

ELEVATION.--240 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1979 to February 1994, January 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
06...	1135	EST	81213	174	17	10.5	89	6.6	6.9	79	79	14.9	8.4
FEB													
24...	1115	EST	81213	333	E18	6.2	58	6.4	6.7	76	77	16.0	12.6
MAR													
03...	1245	EST	81213	1010	--	7.7	74	6.4	6.4	46	53	12.3	13.0
12...	1115	EST	81213	732	--	6.9	70	6.2	6.8	55	52	25.2	16.4
17...	0930	EST	81213	233	18	5.5	59	6.4	6.9	84	84	16.5	17.7
APR													
01...	0855	EST	81213	90	--	7.6	69	6.4	6.9	88	88	13.0	11.9
09...	0930	EST	81213	134	--	5.5	60	6.4	6.9	89	84	20.9	18.8
15...	0850	EST	81213	75	18	6.3	65	6.3	7.0	85	85	22.1	17.8
MAY													
13...	0840	EST	81213	2.4	7.9	3.2	36	6.7	7.2	266	271	20.0	22.2
JUN													
03...	1015	EST	81213	<1.8	5.7	4.1	50	6.9	7.3	473	495	29.4	24.9
JUL													
22...	1150	EST	81213	5.3	6.6	5.3	65	6.8	7.3	192	199	26.5	25.5
AUG													
06...	0830	EST	81213	368	--	4.8	58	6.4	6.6	74	76	25.1	24.6
12...	1150	EST	81213	687	19	--	--	6.2	6.9	52	59	23.7	24.7
19...	0825	EST	81213	457	--	4.3	52	6.3	6.5	62	64	25.5	25.0
SEP													
09...	1015	EST	81213	298	14	5.5	63	6.9	7.0	62	61	22.9	22.6
16...	0830	EST	81213	19	--	5.2	61	6.7	6.9	121	123	23.0	23.2
23...	0840	EST	81213	6.4	--	4.2	51	6.8	7.0	200	202	21.8	24.1
OCT													
07...	1030	EST	81213	<1.8	3.4	4.9	57	7.0	7.6	405	406	23.0	21.8
NOV													
04...	1100	EST	81213	10	7.1	6.1	67	6.8	7.1	147	151	25.7	19.7
DEC													
02...	1050	EST	81213	4.5	7.0	8.5	74	7.0	7.4	218	218	10.2	9.6

02327205 OCHLOCKONEE RIVER AT LOWER MEIGS ROAD, NEAR MOULTRIE, GA--Continued

(GEORGIA EPD ID 10003001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
06...	11	2	.03	.440	.10	13.0	.9	--
FEB								
24...	12	4	.04	.330	.17	17.0	1.9	1400
MAR								
03...	--	--	--	--	--	--	--	490
12...	--	--	--	--	--	--	--	80
17...	18	5	.12	.550	.19	14.0	1.0	260
APR								
01...	--	--	--	--	--	--	--	260
09...	--	--	--	--	--	--	--	<20
15...	16	7	.06	.620	.18	11.0	1.4	170
MAY								
13...	38	5	.17	3.30	.48	9.4	1.4	--
JUN								
03...	52	6	.12	5.30	.88	9.0	1.4	--
JUL								
22...	31	3	.05	1.90	.33	11.0	1.0	330
AUG								
06...	--	--	--	--	--	--	--	170
12...	12	7	.04	.180	.11	13.0	1.4	70
19...	--	--	--	--	--	--	--	80
SEP								
09...	13	5	.04	.270	.14	14.0	1.3	50
16...	--	--	--	--	--	--	--	170
23...	--	--	--	--	--	--	--	20
OCT								
07...	49	5	.09	4.90	.55	8.7	.8	270
NOV								
04...	22	9	.06	1.30	.20	12.0	1.2	--
DEC								
02...	30	4	.08	2.50	.30	7.6	.8	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

02327205 OCHLOCKONEE RIVER AT LOWER MEIGS ROAD, NEAR MOULTRIE, GA--Continued

(GEORGIA EPD ID 10003001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
06...	1135	EST	81213	174	10.5	89	6.6	6.9	79	79	14.9	8.4	--
FEB													
24...	1115	EST	81213	333	6.2	58	6.4	6.7	76	77	16.0	12.6	4.30

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
06...	--	<1	<4	<.5	<1	<2	1.0	<.1	<1	<4	<2	7
FEB												
24...	2.10	<1	<4	<.5	<1	<2	1.3	<.1	<1	<4	<2	6

Remark codes used in this report:
< -- Less than

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02327250 LITTLE CREEK AT LOWER MEIGS ROAD, NEAR MOULTRIE, GA (GEORGIA EPD ID 10003901)

LOCATION.--Lat 31°06'50'', long 83°51'51'' (referenced to North American Datum (NAD) of 1927), Colquitt County, Hydrologic Unit 03120002, at the bridge on Lower Meigs Road (County Road 480), 3.5 miles upstream from confluence with the Ochlockonee River, and 4.3 miles southwest of Moultrie.

ELEVATION.--240 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
07...	1045	EST	81213	22	11	11.6	96	6.7	6.8	71	70	5.6	7.9
FEB													
25...	1120	EST	81213	26	15	8.5	81	6.3	6.6	68	69	21.3	13.6
MAR													
04...	0945	EST	81213	>30	--	8.5	79	6.3	6.5	52	48	11.3	12.0
12...	1055	EST	81213	>30	--	8.0	80	6.3	6.9	55	51	24.6	16.0
18...	1005	EST	81213	>30	21	6.5	69	6.2	6.8	58	56	21.0	17.8
APR													
02...	0845	EST	81213	17	--	8.9	86	6.3	7.1	63	62	13.5	14.2
09...	0905	EST	81213	>30	--	6.9	75	6.2	6.8	58	55	22.7	18.7
16...	0855	EST	81213	13	8.2	6.8	73	6.2	7.1	68	67	21.0	18.8
MAY													
14...	0800	EST	81213	.00	11	1.9	21	6.1	7.2	83	84	23.5	20.9
JUN													
04...	0935	EST	81213	2.9	15	3.6	42	6.4	6.8	84	86	24.9	21.7
JUL													
23...	1010	EST	81213	>30	36	6.1	71	5.8	6.2	39	39	26.8	23.5
AUG													
05...	0845	EST	81213	>30	--	6.0	72	6.4	6.6	60	63	25.9	24.7
13...	1250	EST	81213	18	8.1	6.2	75	6.3	7.0	66	71	34.0	25.3
19...	1205	EST	81213	>30	--	6.1	74	6.3	6.4	52	54	31.2	25.4
SEP													
10...	1005	EST	81213	14	7.0	5.7	66	6.6	7.1	68	67	22.8	23.2
16...	1210	EST	81213	15	--	6.4	76	6.7	7.0	77	79	29.0	23.8
23...	1235	EST	81213	7.7	--	5.9	69	6.8	6.9	70	73	26.3	23.9
OCT													
08...	1000	EST	81213	.00	4.6	5.8	65	6.5	7.3	74	72	21.0	21.1
NOV													
05...	1030	EST	81213	9.1	5.1	6.4	72	6.6	7.0	80	82	24.8	21.0
DEC													
03...	1015	EST	81213	1.3	3.6	8.8	76	6.7	7.0	80	77	18.4	9.4

02327250 LITTLE CREEK AT LOWER MEIGS ROAD, NEAR MOULTRIE, GA--Continued (GEORGIA EPD ID 10003901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
07...	10	7	.04	.610	.04	9.3	.6	--
FEB								
25...	10	7	.07	.400	.06	12.0	1.6	790
MAR								
04...	--	--	--	--	--	--	--	140
12...	--	--	--	--	--	--	--	50
18...	11	11	.04	.340	.09	13.0	<.1	490
APR								
02...	--	--	--	--	--	--	--	80
09...	--	--	--	--	--	--	--	<20
16...	14	<1	.08	.540	.05	8.6	1.0	50
MAY								
14...	22	8	.12	.090	.07	11.0	E1.7	--
JUN								
04...	23	19	.07	.060	.08	8.7	2.4	--
JUL								
23...	6	22	.02	.120	.09	12.0	2.4	3500
AUG								
05...	--	--	--	--	--	--	--	170
13...	16	8	.06	.290	.04	11.0	1.2	130
19...	--	--	--	--	--	--	--	220
SEP								
10...	15	2	.04	.290	.04	12.0	1.2	110
16...	--	--	--	--	--	--	--	330
23...	--	--	--	--	--	--	--	790
OCT								
08...	17	1	.04	.060	.03	9.7	.8	50
NOV								
05...	16	8	.04	.360	.04	8.2	.9	--
DEC								
03...	15	<1	.02	.190	<.02	7.3	.6	--

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value

02327250 LITTLE CREEK AT LOWER MEIGS ROAD, NEAR MOULTRIE, GA--Continued (GEORGIA EPD ID 10003901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
07...	1045	EST	81213	22	11.6	96	6.7	6.8	71	70	5.6	7.9	3.10
FEB													
25...	1120	EST	81213	26	8.5	81	6.3	6.6	68	69	21.3	13.6	3.00

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
07...	2.10	<1	<4	<.5	<1	<2	.4	<.1	<1	<4	<2	8
FEB												
25...	2.00	<1	<4	<.5	<1	<2	.8	<.1	<1	<4	<2	4

Remark codes used in this report:
< -- Less than

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02327300 OCHLOCKONEE RIVER AT BEE LINE ROAD, NEAR CHASTAIN, GA (GEORGIA EPD ID 10005001)

LOCATION.--Lat 31°02'00'', long 83°56'07'' (referenced to North American Datum (NAD) of 1927), Thomas County, Hydrologic Unit 03120002, at the bridge on Bee Line Road (County Road 306), 0.3 mile downstream from confluence with Bridge Creek, and 0.1 mile west of Chastain.

DRAINAGE AREA.--252 square miles.

ELEVATION.--180 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
07...	0925	EST	81213	766	18	11.8	99	6.7	7.0	70	71	2.4	8.1
FEB													
25...	0920	EST	81213	985	19	7.4	70	6.3	6.6	65	67	12.8	13.1
MAR													
04...	0845	EST	81213	1850	--	8.3	78	6.2	6.4	43	49	11.1	12.5
12...	1010	EST	81213	1660	--	7.1	72	6.1	6.9	50	48	22.1	16.3
18...	0820	EST	81213	1060	23	6.4	69	6.3	6.8	65	64	18.0	18.1
APR													
02...	0745	EST	81213	534	--	8.3	79	6.4	6.9	73	72	7.4	13.7
09...	0800	EST	81213	588	--	6.5	70	6.4	6.8	74	70	18.2	19.2
16...	0740	EST	81213	526	14	7.1	75	6.2	6.9	69	70	13.5	18.3
MAY													
14...	0715	EST	81213	70	5.3	5.3	60	6.4	7.3	140	142	15.0	21.4
JUN													
04...	0810	EST	81213	71	6.4	5.6	65	6.7	7.1	142	145	26.9	22.5
JUL													
23...	0820	EST	81213	284	25	6.0	71	6.7	7.0	112	120	26.3	23.9
AUG													
05...	0755	EST	81213	1260	--	5.5	66	6.1	6.4	52	54	24.9	24.4
13...	1440	EST	81213	1130	14	5.8	69	6.1	6.8	57	59	34.1	24.9
19...	1250	EST	81213	993	--	5.1	62	6.4	6.6	67	69	31.7	25.3
SEP													
10...	0840	EST	81213	870	14	6.0	69	6.5	6.9	55	55	19.9	22.9
16...	1300	EST	81213	152	--	5.4	64	6.6	6.8	95	98	30.6	23.9
23...	1320	EST	81213	87	--	5.2	62	6.6	6.8	122	123	27.8	23.8
OCT													
08...	0845	EST	81213	53	3.2	5.6	63	6.7	7.6	144	144	20.5	21.5
NOV													
05...	0910	EST	81213	169	6.0	6.6	72	6.5	6.9	93	104	25.2	19.9
DEC													
03...	0900	EST	81213	91	2.9	9.6	81	6.8	7.4	128	128	8.0	8.8

02327300 OCHLOCKONEE RIVER AT BEE LINE ROAD, NEAR CHASTAIN, GA--Continued (GEORGIA EPD ID 10005001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
07...	11	3	.02	.310	.07	13.0	.6	--
FEB								
25...	10	6	.03	.210	.09	15.0	1.8	490
MAR								
04...	--	--	--	--	--	--	--	130
12...	--	--	--	--	--	--	--	50
18...	13	9	.05	.320	.15	15.0	.2	460
APR								
02...	--	--	--	--	--	--	--	<20
09...	--	--	--	--	--	--	--	<20
16...	14	5	.08	.420	.13	12.0	1.0	170
MAY								
14...	28	<1	.06	.690	.15	10.0	E.7	--
JUN								
04...	28	3	.04	.600	.13	9.0	1.0	--
JUL								
23...	19	25	.03	.480	.12	9.7	1.3	330
AUG								
05...	--	--	--	--	--	--	--	170
13...	13	9	.06	.120	.11	16.0	1.3	<20
19...	--	--	--	--	--	--	--	230
SEP								
10...	12	4	.04	.120	.10	14.0	1.5	220
16...	--	--	--	--	--	--	--	80
23...	--	--	--	--	--	--	--	20
OCT								
08...	28	1	.06	.710	.08	9.7	.4	80
NOV								
05...	17	10	.04	.320	.09	10.0	.9	--
DEC								
03...	22	<1	.01	.840	.09	8.0	.6	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

02327300 OCHLOCKONEE RIVER AT BEE LINE ROAD, NEAR CHASTAIN, GA--Continued (GEORGIA EPD ID 10005001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-tance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
07...	0925	EST	81213	766	11.8	99	6.7	7.0	70	71	2.4	8.1	3.70
FEB													
25...	0920	EST	81213	985	7.4	70	6.3	6.6	65	67	12.8	13.1	3.30

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
07...	2.10	<1	<4	<.5	<1	<2	.8	<.1	<1	<4	<2	5
FEB												
25...	1.90	<1	<4	<.5	<1	<2	1.1	<.1	<1	<4	<2	4

Remark codes used in this report:
< -- Less than

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02327320 BRIDGE CREEK AT FUNSTON-SALE CITY ROAD, NEAR DOERUN, GA (GEORGIA EPD ID 10004501)

LOCATION.--Lat 31°14'09'', long 83°55'51'' (referenced to North American Datum (NAD) of 1927), Colquitt County, Hydrologic Unit 03120002, at the bridge on Funston-Sale City Road (County Road 481), 0.9 mile downstream from confluence with Mill Creek, and 6.4 miles south of Doerun.

ELEVATION.--290 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, August 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
06...	1400	EST	81213	51	14	11.0	97	6.8	6.9	78	78	15.8	9.5
FEB													
24...	1230	EST	81213	75	E26	9.7	90	6.7	6.8	73	74	18.5	12.5
MAR													
03...	1330	EST	81213	225	--	9.0	85	6.7	6.8	58	61	12.7	12.5
12...	1335	EST	81213	97	--	8.3	86	6.2	6.9	65	65	27.5	17.2
17...	1030	EST	81213	71	21	7.0	74	6.5	6.9	73	72	17.3	17.2
APR													
01...	0940	EST	81213	36	--	9.1	83	6.5	6.9	74	81	17.2	11.7
09...	1125	EST	81213	239	--	7.1	77	6.3	6.9	64	61	19.3	18.3
15...	0940	EST	81213	33	12	7.1	74	6.4	7.0	77	76	22.0	17.8
MAY													
13...	0935	EST	81213	4.2	14	4.8	53	6.5	7.2	84	84	22.7	20.9
JUN													
03...	1130	EST	81213	<1.8	8.3	4.2	49	6.6	7.0	77	81	24.3	22.4
JUL													
22...	1305	EST	81213	31	34	6.9	82	6.6	6.9	72	70	21.6	24.3
AUG													
06...	0910	EST	81213	135	--	5.7	69	6.6	6.8	71	72	25.6	24.3
12...	1330	EST	81213	73	9.8	--	--	6.3	7.2	70	74	23.4	24.0
19...	0910	EST	81213	75	--	5.6	68	6.6	6.8	72	74	27.6	24.7
SEP													
09...	1110	EST	81213	24	6.9	5.6	64	7.0	7.3	80	80	24.9	22.3
16...	0915	EST	81213	21	--	5.2	61	6.6	6.8	80	83	23.9	22.7
23...	0920	EST	81213	116	--	5.2	61	6.4	6.6	68	68	21.6	23.3
OCT													
07...	1115	EST	81213	4.2	5.1	5.0	55	6.7	7.0	86	86	23.5	20.6
NOV													
04...	1205	EST	81213	13	5.2	6.2	68	6.7	7.1	85	90	27.0	19.8
DEC													
02...	1130	EST	81213	8.7	5.5	9.0	78	6.7	7.3	83	82	12.1	9.4

02327320 BRIDGE CREEK AT FUNSTON-SALE CITY ROAD, NEAR DOERUN, GA--Continued

(GEORGIA EPD ID 10004501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
06...	14	10	.07	.680	.08	8.7	.8	--
FEB								
24...	14	8	.05	.340	.10	12.0	1.9	2400
MAR								
03...	--	--	--	--	--	--	--	460
12...	--	--	--	--	--	--	--	E270
17...	17	8	.08	.700	.11	12.0	1.0	1700
APR								
01...	--	--	--	--	--	--	--	70
09...	--	--	--	--	--	--	--	2400
15...	17	6	.08	.720	.09	8.5	1.5	270
MAY								
13...	24	24	.08	.240	.21	11.0	1.4	--
JUN								
03...	23	5	.10	.200	.13	13.0	1.1	--
JUL								
22...	19	37	.08	.130	.13	8.5	2.4	2800
AUG								
06...	--	--	--	--	--	--	--	330
12...	21	4	.05	.220	.10	10.0	1.1	1100
19...	--	--	--	--	--	--	--	170
SEP								
09...	23	1	.05	.220	.10	11.0	1.0	130
16...	--	--	--	--	--	--	--	<20
23...	--	--	--	--	--	--	--	294
OCT								
07...	23	4	.06	.330	.10	11.0	.7	700
NOV								
04...	22	8	.04	.180	.11	10.0	1.0	--
DEC								
02...	19	<1	.03	.130	.08	6.2	.6	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

02327320 BRIDGE CREEK AT FUNSTON-SALE CITY ROAD, NEAR DOERUN, GA--Continued

(GEORGIA EPD ID 10004501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
06...	1400	EST	81213	51	11.0	97	6.8	6.9	78	78	15.8	9.5	--
FEB													
24...	1230	EST	81213	75	9.7	90	6.7	6.8	73	74	18.5	12.5	3.60

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
06...	--	<1	<4	<.5	<1	<2	.9	<.1	<1	<4	<2	4
FEB												
24...	2.10	<1	<4	<.5	<1	<2	1.0	<.1	<1	<4	<2	3

Remark codes used in this report:
< -- Less than

02327335 BRIDGE CREEK AT ZION GROVE CHURCH ROAD, NEAR COOLIDGE, GA (GEORGIA EPD ID 10004901)

LOCATION.--Lat 31°04'01'', long 83°55'05'' (referenced to North American Datum (NAD) of 1927), Colquitt County, Hydrologic Unit 03120002, at the bridge on Zion Grove Church Road (County Road 222), 1.3 miles downstream from confluence with Bay Pole Branch, 2.3 miles east of Georgia Highway 202, 2.5 miles upstream from confluence with the Ochlockonee River, 2.7 miles east of Bannister, and 4.6 miles northwest of Coolidge.

DRAINAGE AREA.--70.3 square miles.

ELEVATION.--200 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02327335 BRIDGE CREEK AT ZION GROVE CHURCH ROAD, NEAR COOLIDGE, GA--Continued

(GEORGIA EPD ID 10004901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
07...	1005	EST	81213	138	16	11.5	95	6.8	7.1	67	67	5.0	7.3
FEB													
25...	1030	EST	81213	239	25	7.7	72	6.2	6.5	57	57	19.5	12.7
MAR													
04...	0915	EST	81213	365	--	8.4	78	6.2	6.7	45	46	11.6	12.0
12...	1035	EST	81213	292	--	7.3	73	6.2	6.9	49	49	23.9	15.7
18...	0915	EST	81213	235	26	6.2	66	6.3	6.8	58	74	18.8	17.8
APR													
02...	0815	EST	81213	134	--	8.2	77	6.4	6.9	64	63	10.9	13.2
09...	0840	EST	81213	195	--	6.4	69	6.2	6.9	57	54	19.2	18.6
16...	0820	EST	81213	83	14	6.9	72	6.3	7.0	68	67	17.4	18.0
MAY													
29...	0900	EST	81213	14	11	6.5	73	6.5	7.0	77	79	21.3	20.6
JUN													
04...	0850	EST	81213	8.8	16	5.1	59	6.5	6.9	94	97	27.9	22.4
JUL													
23...	0910	EST	81213	266	34	5.8	70	6.1	6.5	50	51	27.0	24.2
AUG													
05...	0825	EST	81213	259	--	5.8	68	6.3	6.6	53	55	27.3	24.0
13...	1345	EST	81213	172	9.2	6.1	72	6.5	7.1	67	70	33.1	24.6
19...	1220	EST	81213	257	--	5.4	65	6.3	6.5	53	56	27.7	25.0
SEP													
10...	0935	EST	81213	87	7.8	5.8	67	6.8	7.2	69	70	21.9	22.8
16...	1235	EST	81213	26	--	6.0	70	6.8	7.0	79	81	29.7	23.5
23...	1255	EST	81213	11	--	5.0	60	6.7	6.9	83	84	27.8	23.6
OCT													
08...	0925	EST	81213	<8.2	2.8	5.2	59	6.7	7.4	82	81	20.8	21.2
NOV													
05...	0950	EST	81213	25	5.2	6.5	71	6.7	7.1	76	83	25.4	20.0
DEC													
03...	0935	EST	81213	15	3.1	8.6	74	6.8	7.3	79	78	11.5	9.0

02327335 BRIDGE CREEK AT ZION GROVE CHURCH ROAD, NEAR COOLIDGE, GA--Continued

(GEORGIA EPD ID 10004901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
07...	11	3	.02	.360	.06	11.0	.7	--
FEB								
25...	10	5	.02	.040	.08	15.0	1.8	490
MAR								
04...	--	--	--	--	--	--	--	220
12...	--	--	--	--	--	--	--	20
18...	13	9	.59	.300	.10	14.0	<.1	170
APR								
02...	--	--	--	--	--	--	--	<20
09...	--	--	--	--	--	--	--	<20
16...	15	5	.07	.500	.08	9.4	.9	50
MAY								
29...	19	13	.04	.410	.09	9.8	1.1	--
JUN								
04...	20	22	.04	.990	.10	9.2	1.3	--
JUL								
23...	10	15	.02	.100	.08	12.0	2.1	40
AUG								
05...	--	--	--	--	--	--	--	70
13...	19	7	.12	.190	.07	12.0	1.0	110
19...	--	--	--	--	--	--	--	210
SEP								
10...	19	4	.03	.160	.08	12.0	1.3	60
16...	--	--	--	--	--	--	--	130
23...	--	--	--	--	--	--	--	20
OCT								
08...	21	1	.05	.380	.04	11.0	.4	110
NOV								
05...	18	11	.04	.200	.06	9.1	.6	--
DEC								
03...	18	2	.02	.100	.04	8.1	.7	--

Remark codes used in this report:
< -- Less than

02327335 BRIDGE CREEK AT ZION GROVE CHURCH ROAD, NEAR COOLIDGE, GA--Continued

(GEORGIA EPD ID 10004901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
07...	1005	EST	81213	138	11.5	95	6.8	7.1	67	67	5.0	7.3	3.10
FEB													
25...	1030	EST	81213	239	7.7	72	6.2	6.5	57	57	19.5	12.7	2.60

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
07...	2.10	<1	<4	<.5	<1	<2	.4	<.1	<1	<4	<2	2
FEB												
25...	1.70	<1	<4	<.5	<1	<2	.9	<.1	<1	<4	<2	3

Remark codes used in this report:
< -- Less than

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02327370 BIG CREEK AT GEORGIA HIGHWAY 35, NEAR COOLIDGE, GA (GEORGIA EPD ID 10005501)

LOCATION.--Lat 30°58'31'', long 83°53'16'' (referenced to North American Datum of 1927), Thomas County, Hydrologic Unit 03120002, at the bridge on Georgia Highway 35, 2.6 miles northeast of Merrillville, 4.0 miles downstream from confluence with the Ochlockonee River, and 2.2 miles east of Coolidge.

DRAINAGE AREA.--49.4 square miles.

ELEVATION.--190 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, August 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. For the data-collection activity at this station during 2003, if the stream was observed to have insufficient flow, observed to be pooled with no visible flow, or was found to be dry, it was not sampled. The site visit was documented and is presented in the data table coded with parameter 99903 = 9. A stream is defined as "dry" at a station if there is a complete break in the continuity of the cross-section of water perpendicular to the flow that is visible upstream and/or downstream of the cross-section to be sampled.

02327370 BIG CREEK AT GEORGIA HIGHWAY 35, NEAR COOLIDGE, GA--Continued (GEORGIA EPD ID 10005501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
07...	0825	EST	81213	>200	10	10.4	87	6.2	6.3	76	76	1.6	8.1
FEB													
25...	0835	EST	81213	>200	9.3	6.4	60	6.0	6.3	78	78	11.1	12.8
MAR													
04...	0810	EST	81213	>200	--	7.6	71	5.8	5.8	58	54	12.8	12.3
12...	0945	EST	81213	183	--	6.4	64	5.8	6.1	44	42	20.2	16.3
18...	0745	EST	81213	>200	17	5.7	61	5.8	6.3	60	58	17.5	18.2
APR													
02...	0710	EST	81213	>200	--	6.9	65	6.0	6.4	66	67	7.7	13.9
09...	0735	EST	81213	137	--	9.5	103	6.0	6.6	73	66	18.4	18.8
16...	0650	EST	81213	>200	12	5.5	59	5.8	6.5	64	67	13.6	18.9
MAY													
14...	0630	EST	81213	153	8.5	1.4	15	6.2	7.0	94	97	15.3	20.0
JUN													
04...	0725	EST	81213	179	8.6	3.5	40	6.5	7.0	103	107	26.6	22.1
JUL													
23...	0730	EST	81213	>200	31	5.4	63	6.0	6.4	58	55	22.9	23.3
AUG													
05...	0725	EST	81213	>200	--	5.1	61	6.0	6.3	64	66	24.2	24.3
14...	0845	EST	81213	--	11	5.2	62	5.9	6.5	64	66	27.7	25.1
19...	1315	EST	81213	>200	--	4.6	56	6.2	6.4	74	77	31.9	25.9
SEP													
10...	0750	EST	81213	187	6.5	3.9	45	6.5	7.0	77	77	19.8	22.3
16...	1330	EST	81213	162	--	2.1	25	6.4	6.6	82	85	32.5	24.9
23...	1345	EST	81213	135	--	.7	9	6.5	6.7	100	106	28.2	24.9
OCT													
08...	0815	EST	81213	109	--	--	--	--	--	--	--	20.5	--
NOV													
05...	0815	EST	81213	181	5.2	3.8	43	6.3	6.7	101	104	25.2	21.0
DEC													
03...	0810	EST	81213	193	3.3	7.4	63	6.5	7.3	100	100	7.0	8.8

02327370 BIG CREEK AT GEORGIA HIGHWAY 35, NEAR COOLIDGE, GA--Continued (GEORGIA EPD ID 10005501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)	Dist-rict special 99903 (99903)
JAN									
07...	8	8	.03	.890	.04	22.0	1.0	--	--
FEB									
25...	9	3	.07	.480	.04	24.0	1.7	80	--
MAR									
04...	--	--	--	--	--	--	--	80	--
12...	--	--	--	--	--	--	--	80	--
18...	8	10	.04	.540	.11	20.0	.6	5400	--
APR									
02...	--	--	--	--	--	--	--	170	--
09...	--	--	--	--	--	--	--	<20	--
16...	9	8	.15	.520	.09	20.0	1.4	50	--
MAY									
14...	23	2	.21	.050	.13	19.0	E2.1	--	--
JUN									
04...	29	24	.08	.190	.15	13.0	1.9	--	--
JUL									
23...	10	16	.22	.550	.18	12.0	3.1	2400	--
AUG									
05...	--	--	--	--	--	--	--	700	--
14...	11	6	.08	.490	.07	19.0	2.1	230	--
19...	--	--	--	--	--	--	--	700	--
SEP									
10...	16	5	.05	.180	.08	16.0	1.7	120	--
16...	--	--	--	--	--	--	--	50	--
23...	--	--	--	--	--	--	--	20	--
OCT									
08...	--	--	--	--	--	--	--	--	9.0
NOV									
05...	16	6	.05	.440	.06	13.0	1.3	--	--
DEC									
03...	17	2	.06	.420	.03	9.9	.9	--	--

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value

02327370 BIG CREEK AT GEORGIA HIGHWAY 35, NEAR COOLIDGE, GA--Continued (GEORGIA EPD ID 10005501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
07...	0825	EST	81213	>200	10.4	87	6.2	6.3	76	76	1.6	8.1	4.00
FEB													
25...	0835	EST	81213	>200	6.4	60	6.0	6.3	78	78	11.1	12.8	3.80

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
07...	2.70	<1	<4	<.5	<1	<2	.5	<.1	<1	<4	<2	9
FEB												
25...	2.50	<1	<4	<.5	1	<2	.6	<.1	1	<4	<2	9

Remark codes used in this report:
< -- Less than
> -- Greater than

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02327413 LITTLE OCHLOCKONEE RIVER AT COLEMAN ROAD, NEAR HARTSFIELD, GA (GEORGIA EPD ID 10006801)

LOCATION.--Lat 31°10'41'', long 83°59'06'' (referenced to North American Datum (NAD) of 1927), Colquitt County, Hydrologic Unit 03120002, at the bridge on Coleman Road (County Road 228), 0.5 mile upstream from confluence with Watery Branch, 1.7 miles downstream from confluence with Thigpen Branch, and 2.7 miles south of Hartsfield.

ELEVATION.--260 ft, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
07...	1415	EST	81213	30	14	10.2	87	6.6	6.6	54	54	11.0	8.6
FEB													
25...	1345	EST	81213	34	18	8.2	81	6.3	6.8	56	56	24.5	15.4
MAR													
04...	1110	EST	81213	55	--	8.3	78	6.3	6.5	48	43	12.9	12.2
12...	1305	EST	81213	41	--	6.7	70	6.4	6.8	48	45	27.0	17.9
18...	1200	EST	81213	50	31	6.7	71	6.3	6.6	49	48	23.0	18.3
APR													
02...	1015	EST	81213	29	--	7.3	72	6.2	6.6	49	58	21.8	15.0
09...	1100	EST	81213	45	--	6.6	71	6.1	6.6	48	46	21.4	18.8
16...	1045	EST	81213	25	13	5.8	63	6.1	6.9	52	50	25.4	19.6
MAY													
14...	1000	EST	81213	.31	--	3.9	43	6.1	--	--	63	23.0	21.2
JUN													
04...	1210	EST	81213	.51	8.3	4.9	58	6.4	6.7	61	65	28.2	23.3
JUL													
23...	1215	EST	81213	51	29	5.1	61	6.0	6.3	44	46	23.0	24.5
AUG													
05...	0955	EST	81213	59	--	5.3	64	6.1	6.4	40	42	25.9	24.7
13...	1055	EST	81213	30	10	5.2	63	6.0	6.9	51	53	32.3	25.3
19...	1050	EST	81213	49	--	5.1	62	6.2	6.5	45	46	29.7	25.7
SEP													
10...	1130	EST	81213	25	7.1	5.0	63	6.7	6.9	55	55	27.5	27.1
16...	1100	EST	81213	13	--	5.0	59	6.4	6.6	60	63	27.4	23.7
23...	1115	EST	81213	27	--	4.8	56	6.3	6.5	56	57	25.3	23.7
OCT													
08...	1200	EST	81213	.33	6.6	4.6	52	6.5	7.2	63	64	23.5	21.7
NOV													
05...	1220	EST	81213	18	5.9	5.6	64	6.4	6.8	67	69	27.8	21.6
DEC													
03...	1215	EST	81213	2.7	4.9	8.5	74	6.5	7.0	63	61	16.0	9.7

02327413 LITTLE OCHLOCKONEE RIVER AT COLEMAN ROAD, NEAR HARTSFIELD, GA--Continued

(GEORGIA EPD ID 10006801)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
07...	9	3	.07	.150	.05	16.0	.7	--
FEB								
25...	9	7	.48	.130	.05	11.0	1.4	220
MAR								
04...	--	--	--	--	--	--	--	3500
12...	--	--	--	--	--	--	--	210
18...	10	12	.06	.160	.10	12.0	<.1	5400
APR								
02...	--	--	--	--	--	--	--	110
09...	--	--	--	--	--	--	--	5400
16...	12	4	.08	.150	.07	9.4	1.3	170
MAY								
14...	--	--	--	--	--	--	--	--
JUN								
04...	19	6	.14	.070	.06	9.3	1.6	--
JUL								
23...	9	13	.03	.020	.07	11.0	2.1	3500
AUG								
05...	--	--	--	--	--	--	--	230
13...	14	9	.05	.070	.04	10.0	1.1	130
19...	--	--	--	--	--	--	--	270
SEP								
10...	15	7	.06	.100	.05	12.0	1.5	50
16...	--	--	--	--	--	--	--	90
23...	--	--	--	--	--	--	--	2800
OCT								
08...	17	3	.10	.060	.02	10.0	.7	170
NOV								
05...	16	9	.05	.070	.04	9.0	1.0	--
DEC								
03...	12	2	.06	.080	.02	7.8	.7	--

Remark codes used in this report:
< -- Less than

02327413 LITTLE OCHLOCKONEE RIVER AT COLEMAN ROAD, NEAR HARTSFIELD, GA--Continued

(GEORGIA EPD ID 10006801)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
07...	1415	EST	81213	30	10.2	87	6.6	6.6	54	54	11.0	8.6	2.40
FEB													
25...	1345	EST	81213	34	8.2	81	6.3	6.8	56	56	24.5	15.4	2.50

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
07...	1.40	<1	<4	<.5	<1	<2	.7	<.1	<1	<4	<2	4
FEB												
25...	1.50	<1	<4	<.5	<1	<2	.8	<.1	<1	<4	<2	<2

Remark codes used in this report:
< -- Less than

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02327430 LOST CREEK AT GEORGIA HIGHWAY 111, NEAR MEIGS, GA (GEORGIA EPD ID 10007901)

LOCATION.--Lat 31°06'20'', long 84°00'31'' (referenced to North American Datum (NAD) of 1927), Colquitt County, Hydrologic Unit 03120002, at the bridge on Georgia Highway 111, 3.8 miles upstream from confluence with the Little Ochlockonee River, and 5.0 miles northeast of Meigs.

ELEVATION.--220 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
07...	1335	EST	81213	49	15	11.1	93	6.6	7.0	56	57	7.4	8.0
FEB													
25...	1215	EST	81213	52	21	7.9	75	6.2	6.5	53	54	20.7	13.5
MAR													
04...	1015	EST	81213	84	--	8.9	83	6.2	6.3	36	38	11.4	11.9
12...	1245	EST	81213	65	--	7.8	81	6.4	6.7	47	44	25.4	16.8
18...	1045	EST	81213	71	26	6.8	72	6.2	6.7	48	47	20.9	18.1
APR													
02...	0915	EST	81213	47	--	8.0	75	6.1	6.6	51	51	17.6	13.4
09...	1040	EST	81213	76	--	6.8	73	6.0	6.6	43	43	20.1	18.5
16...	0935	EST	81213	39	15	6.0	63	6.1	6.9	54	53	20.8	18.4
MAY													
14...	0845	EST	81213	.90	12	2.7	31	6.2	7.3	69	71	20.4	21.8
JUN													
04...	1025	EST	81213	1.2	13	3.2	38	6.3	6.8	60	65	25.4	23.2
JUL													
23...	1140	EST	81213	85	40	5.8	69	5.9	6.3	42	42	22.6	23.7
AUG													
05...	0910	EST	81213	84	--	6.0	71	6.0	6.2	35	36	27.3	23.6
13...	1215	EST	81213	50	11	5.6	67	6.1	7.0	56	58	32.8	24.9
19...	1115	EST	81213	75	--	5.7	69	6.1	6.3	40	41	29.9	25.0
SEP													
10...	1030	EST	81213	26	10	5.1	60	6.5	7.0	59	60	25.2	23.2
16...	1125	EST	81213	.03	--	5.1	59	6.4	6.7	62	64	28.8	23.3
23...	1145	EST	81213	26	--	4.3	50	6.3	6.5	59	60	25.7	23.7
OCT													
08...	1035	EST	81213	<.01	12	4.4	50	6.3	7.1	62	61	23.0	21.6
NOV													
05...	1110	EST	81213	.18	8.6	5.1	57	6.4	6.8	65	71	25.0	20.4
DEC													
03...	1105	EST	81213	.55	6.7	8.2	70	6.5	7.2	66	64	15.0	8.6

02327430 LOST CREEK AT GEORGIA HIGHWAY 111, NEAR MEIGS, GA--Continued

(GEORGIA EPD ID 10007901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
07...	9	6	.07	.310	.04	8.9	.7	--
FEB								
25...	9	6	.08	.130	.05	14.0	1.5	130
MAR								
04...	--	--	--	--	--	--	--	1300
12...	--	--	--	--	--	--	--	80
18...	10	14	.45	.140	.08	14.0	.1	2400
APR								
02...	--	--	--	--	--	--	--	20
09...	--	--	--	--	--	--	--	1300
16...	12	3	.15	.260	.06	10.0	1.1	80
MAY								
14...	20	4	.10	.140	.06	12.0	E1.4	--
JUN								
04...	19	11	.05	.060	.07	10.0	2.3	--
JUL								
23...	8	21	.03	.120	.08	12.0	2.2	1700
AUG								
05...	--	--	--	--	--	--	--	1700
13...	14	8	.07	.190	.06	12.0	1.1	80
19...	--	--	--	--	--	--	--	490
SEP								
10...	15	4	.06	.180	.05	13.0	1.4	790
16...	--	--	--	--	--	--	--	220
23...	--	--	--	--	--	--	--	1400
OCT								
08...	15	32	.06	.080	.03	9.7	1.3	790
NOV								
05...	16	9	.04	.070	.04	9.8	1.4	--
DEC								
03...	14	2	.04	.060	.02	7.6	.8	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

02327430 LOST CREEK AT GEORGIA HIGHWAY 111, NEAR MEIGS, GA--Continued

(GEORGIA EPD ID 10007901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
07...	1335	EST	81213	49	11.1	93	6.6	7.0	56	57	7.4	8.0	2.80
FEB													
25...	1215	EST	81213	52	7.9	75	6.2	6.5	53	54	20.7	13.5	2.60

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
07...	1.80	<1	<4	<.5	<1	<2	.7	<.1	<1	<4	<2	4
FEB												
25...	1.70	<1	<4	<.5	<1	<2	.9	<.1	<1	<4	<2	3

Remark codes used in this report:
< -- Less than

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02327448 BIG CREEK AT GEORGIA HIGHWAY 111, NEAR MEIGS, GA (GEORGIA EPD ID 10008201)

LOCATION.--Lat 31°05'21'', long 84°02'49'' (referenced to North American Datum (NAD) of 1927), Mitchell County, Hydrologic Unit 03120002, at the bridge on Georgia Highway 111, 4.5 miles upstream from confluence with Little Creek, and 2.5 miles northeast of Meigs.

ELEVATION.--230 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
07...	1255	EST	81213	22	11	11.5	97	6.9	7.0	70	71	10.0	8.3
FEB													
25...	1250	EST	81213	29	13	8.3	79	6.6	6.9	73	74	20.7	13.7
MAR													
04...	1035	EST	81213	>140	--	8.8	82	6.5	6.4	54	56	12.0	12.1
12...	1230	EST	81213	87	--	8.6	87	6.4	7.1	57	59	27.7	16.4
18...	1120	EST	81213	>140	30	8.1	86	6.5	6.9	58	56	21.2	18.0
APR													
02...	0935	EST	81213	24	--	8.8	84	6.3	6.8	59	58	18.5	13.9
09...	1025	EST	81213	>140	--	7.0	75	6.1	6.9	54	51	21.1	18.6
16...	1010	EST	81213	17	13	7.6	80	6.3	7.1	64	63	22.6	18.0
MAY													
14...	0910	EST	81213	8.5	9.6	5.8	65	6.5	7.2	80	79	24.4	20.9
JUN													
04...	1115	EST	81213	19	9.6	6.2	72	6.8	7.1	78	82	27.2	22.9
JUL													
23...	1110	EST	81213	>140	38	6.3	76	6.3	6.6	52	53	27.0	23.9
AUG													
05...	0930	EST	81213	122	--	6.0	72	6.5	6.8	64	66	26.3	24.8
13...	1145	EST	81213	47	12	6.5	78	6.4	7.1	69	72	34.4	25.0
19...	1135	EST	81213	>140	--	5.9	72	6.4	6.6	52	55	30.5	25.6
SEP													
10...	1050	EST	81213	21	10	6.6	77	6.7	7.2	70	69	26.0	23.4
16...	1140	EST	81213	13	--	6.6	77	6.7	7.0	72	74	29.5	23.3
23...	1205	EST	81213	31	--	6.2	73	6.6	6.8	66	68	26.5	23.7
OCT													
08...	1100	EST	81213	10	10	7.1	79	6.8	7.3	71	70	23.0	21.1
NOV													
05...	1145	EST	81213	18	9.4	7.1	79	6.8	7.1	72	77	26.2	20.7
DEC													
03...	1130	EST	81213	29	8.9	10.2	87	6.7	7.3	71	68	15.0	8.5

02327448 BIG CREEK AT GEORGIA HIGHWAY 111, NEAR MEIGS, GA--Continued (GEORGIA EPD ID 10008201)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
07...	13	2	.07	.270	.05	8.9	.6	--
FEB								
25...	14	6	.08	.180	.08	10.0	1.3	490
MAR								
04...	--	--	--	--	--	--	--	3500
12...	--	--	--	--	--	--	--	70
18...	14	23	.05	.210	.13	11.0	.2	790
APR								
02...	--	--	--	--	--	--	--	330
09...	--	--	--	--	--	--	--	1300
16...	16	8	.14	.210	.09	8.5	1.2	90
MAY								
14...	23	1	.06	.200	.10	11.0	E1.2	--
JUN								
04...	24	2	.04	.170	.10	9.2	1.4	--
JUL								
23...	12	23	.05	.130	.13	11.0	1.9	1300
AUG								
05...	--	--	--	--	--	--	--	790
13...	20	18	.07	.150	.08	10.0	1.2	80
19...	--	--	--	--	--	--	--	1300
SEP								
10...	19	8	.07	.190	.08	11.0	1.4	220
16...	--	--	--	--	--	--	--	130
23...	--	--	--	--	--	--	--	790
OCT								
08...	19	3	.05	.170	.06	9.2	.7	310
NOV								
05...	20	7	.05	.140	.06	8.3	.8	--
DEC								
03...	17	3	.07	.140	.04	7.0	.6	--

Remark codes used in this report:
> -- Greater than
E -- Estimated value

02327448 BIG CREEK AT GEORGIA HIGHWAY 111, NEAR MEIGS, GA--Continued (GEORGIA EPD ID 10008201)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recover-able, mg/L (00916)
JAN													
07...	1255	EST	81213	22	11.5	97	6.9	7.0	70	71	10.0	8.3	3.80
FEB													
25...	1250	EST	81213	29	8.3	79	6.6	6.9	73	74	20.7	13.7	4.00

Date	Magnesium, water, unfltrd recover-able, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Lead, water, unfltrd recover-able, ug/L (01051)	Mercury water, unfltrd recover-able, ug/L (71900)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recover-able, ug/L (01092)
JAN												
07...	2.10	<1	<4	<.5	<1	<2	.3	<.1	2	<4	<2	4
FEB												
25...	2.20	<1	<4	<.5	<1	<2	.7	<.1	2	<4	<2	3

Remark codes used in this report:
< -- Less than

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02327460 LITTLE OCHLOCKONEE RIVER AT GEORGIA HIGHWAY 188, NEAR OCHLOCKNEE, GA

(GEORGIA EPD ID 10008901)

LOCATION.--Lat 30°58'36", long 84°01'12" (referenced to North American Datum (NAD) of 1927), Thomas County, Hydrologic Unit 03120002, at the bridge on Georgia Highway 188, 3.3 miles upstream from confluence with Ochlockonee River, and 1.6 miles east of Ochlocknee.

DRAINAGE AREA.--157 square miles.

ELEVATION.--177 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

02327460 LITTLE OCHLOCKONEE RIVER AT GEORGIA HIGHWAY 188, NEAR OCHLOCKNEE, GA--Continued

(GEORGIA EPD ID 10008901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
08...	0730	EST	81213	173	13	12.1	101	6.5	7.0	58	59	.8	7.7
FEB													
26...	0830	EST	81213	257	20	7.8	75	6.3	6.5	55	55	9.5	13.3
MAR													
04...	1145	EST	81213	874	--	8.3	78	6.0	6.3	43	38	12.2	12.5
11...	1520	EST	81213	883	--	7.5	77	6.1	6.7	39	36	24.8	16.6
19...	0810	EST	81213	543	29	6.8	74	6.3	6.7	49	48	18.9	19.2
APR													
03...	0715	EST	81213	169	--	8.7	84	6.2	6.8	52	51	8.6	14.6
08...	1125	EST	81213	217	--	9.7	106	6.4	6.9	51	48	19.1	20.0
17...	0650	EST	81213	125	16	7.1	76	6.0	7.0	56	56	12.9	18.5
MAY													
15...	0640	EST	81213	35	9.8	5.7	64	6.1	7.0	69	68	20.7	21.5
JUN													
05...	0625	EST	81213	38	12	5.9	69	6.5	6.9	62	65	22.2	23.2
JUL													
24...	0645	EST	81213	591	37	5.1	61	6.0	6.3	40	42	24.2	24.0
AUG													
07...	0705	EST	81213	619	--	5.2	64	6.1	6.4	42	43	23.6	24.9
14...	1005	EST	81213	206	15	6.1	73	6.2	7.0	58	60	26.9	24.9
20...	0705	EST	81213	690	--	4.8	59	6.0	6.2	40	41	22.1	25.3
SEP													
11...	0805	EST	81213	126	12	5.9	68	--	7.1	59	61	19.0	23.3
17...	0720	EST	81213	67	--	5.9	69	6.4	6.7	61	62	20.2	23.3
24...	0735	EST	81213	76	--	6.1	71	6.7	6.8	63	64	18.7	22.8
OCT													
09...	0830	EST	81213	82	9.0	6.6	74	6.7	7.3	67	65	17.5	20.7
NOV													
06...	0745	EST	81213	65	7.8	6.8	75	6.7	7.0	65	66	22.3	20.3
DEC													
04...	0825	EST	81213	47	7.7	10.0	88	6.6	7.2	66	65	10.0	10.0

02327460 LITTLE OCHLOCKONEE RIVER AT GEORGIA HIGHWAY 188, NEAR OCHLOCKNEE, GA--Continued

(GEORGIA EPD ID 10008901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
08...	10	5	.05	.200	.05	9.7	1.0	--
FEB								
26...	9	13	.03	.090	.06	13.0	1.9	<20
MAR								
04...	--	--	--	--	--	--	--	130
11...	--	--	--	--	--	--	--	50
19...	11	23	.05	.130	.10	13.0	.4	330
APR								
03...	--	--	--	--	--	--	--	50
08...	--	--	--	--	--	--	--	790
17...	13	20	.06	.210	.08	9.1	1.1	40
MAY								
15...	18	5	.04	.220	.08	12.0	.9	--
JUN								
05...	18	5	.03	.160	.07	8.6	1.0	--
JUL								
24...	8	34	.04	.060	.11	12.0	2.0	2400
AUG								
07...	--	--	--	--	--	--	--	90
14...	15	18	.06	.140	.06	12.0	1.4	80
20...	--	--	--	--	--	--	--	70
SEP								
11...	15	8	.04	.160	.06	12.0	.9	50
17...	--	--	--	--	--	--	--	80
24...	--	--	--	--	--	--	--	490
OCT								
09...	17	3	.02	.160	.05	11.0	1.2	40
NOV								
06...	15	6	.04	.100	.05	8.5	.8	--
DEC								
04...	14	2	.02	.100	.04	7.7	.6	--

Remark codes used in this report:
< -- Less than

02327460 LITTLE OCHLOCKONEE RIVER AT GEORGIA HIGHWAY 188, NEAR OCHLOCKNEE, GA--Continued

(GEORGIA EPD ID 10008901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
08...	0730	EST	81213	173	12.1	101	6.5	7.0	58	59	.8	7.7	2.80
FEB													
26...	0830	EST	81213	257	7.8	75	6.3	6.5	55	55	9.5	13.3	2.60

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
08...	1.70	<1	<4	<.5	<1	<2	.4	<.1	<1	<4	<2	3
FEB												
26...	1.60	<1	<4	<.5	<1	<2	.9	<.1	<1	<4	<2	3

Remark codes used in this report:
< -- Less than

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02327476 OQUINA RIVER AT PINETREE BOULEVARD, NEAR THOMASVILLE, GA (GEORGIA EPD ID 10009601)

LOCATION.--Lat 30°52'09'', long 83°59'01'' (referenced to North American Datum (NAD) of 1927), Thomas County, Hydrologic Unit 03120002, at the bridge on Pinetree Boulevard (County Road 138), 0.4 mile downstream from confluence with Bruces Branch, 3.0 miles north of the intersection of US Highway 84 and Georgia Highway 319, near Thomasville.

ELEVATION.--180 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
08...	0925	EST	81213	7.2	10	13.4	109	7.6	7.7	235	236	2.1	6.5
FEB													
26...	0730	EST	81213	6.6	8.8	8.9	83	7.4	7.7	217	217	6.6	12.2
MAR													
04...	1245	EST	81213	24	--	10.0	94	7.2	7.6	102	99	12.5	12.8
11...	1420	EST	81213	13	--	9.3	97	7.1	7.4	338	332	26.4	17.3
19...	0715	EST	81213	29	72	9.1	98	7.0	7.2	115	115	19.1	18.9
APR													
03...	0645	EST	81213	7.5	--	8.9	86	7.2	7.8	212	221	7.3	14.2
08...	1055	EST	81213	10	--	9.7	105	7.0	7.6	149	140	19.9	19.6
17...	0610	EST	81213	5.0	9.4	8.2	85	7.2	7.9	231	235	12.4	17.0
MAY													
15...	0550	EST	81213	4.2	4.5	7.1	78	7.3	7.9	292	295	19.2	20.5
JUN													
05...	0815	EST	81213	4.2	14	6.3	74	7.5	7.7	211	217	24.2	23.1
JUL													
24...	0815	EST	81213	8.4	14	7.0	84	7.3	7.7	173	179	24.3	24.0
AUG													
07...	0805	EST	81213	8.8	--	7.0	84	7.3	7.5	218	222	24.5	24.6
14...	0920	EST	81213	13	29	7.6	90	7.0	7.5	141	146	27.1	24.4
20...	0805	EST	81213	7.0	--	7.0	84	7.4	7.5	285	296	24.4	24.6
SEP													
11...	0715	EST	81213	3.5	7.8	7.0	79	--	7.9	207	213	18.0	21.7
17...	0820	EST	81213	4.6	--	6.9	79	7.5	7.7	260	265	23.4	22.2
24...	0835	EST	81213	4.8	--	6.2	70	7.3	7.5	223	223	21.6	20.9
OCT													
09...	0730	EST	81213	3.6	3.6	5.8	65	7.4	7.8	295	297	17.8	20.6
NOV													
06...	0920	EST	81213	5.5	17	6.7	76	7.3	7.7	199	210	23.3	21.9
DEC													
04...	0735	EST	81213	5.1	6.8	9.6	88	7.4	7.9	242	242	10.0	11.6

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02327476 OQUINA RIVER AT PINETREE BOULEVARD, NEAR THOMASVILLE, GA--Continued

(GEORGIA EPD ID 10009601)

DISTRICT CODE 13 UNITED STATES DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY PROCESS DATE 3-13-04
02327476 -- OQUINA CREEK (CR 138) NEAR THOMASVILLE, GA

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
08...	66	7	.19	.790	.06	5.2	.8	--
FEB								
26...	62	4	.15	.630	.06	6.8	1.1	<20
MAR								
04...	--	--	--	--	--	--	--	2400
11...	--	--	--	--	--	--	--	330
19...	33	56	.06	.140	.18	10.0	1.0	5400
APR								
03...	--	--	--	--	--	--	--	630
08...	--	--	--	--	--	--	--	1300
17...	71	5	.08	.730	.08	4.8	1.1	1100
MAY								
15...	89	<1	.05	.760	.07	3.6	.9	--
JUN								
05...	76	7	.09	.250	.10	5.2	1.5	--
JUL								
24...	59	7	.09	.430	.07	8.6	E.8	2400
AUG								
07...	--	--	--	--	--	--	--	790
14...	44	17	.12	.140	.16	11.0	1.8	2400
20...	--	--	--	--	--	--	--	2200
SEP								
11...	68	1	.05	.500	.08	5.3	.7	330
17...	--	--	--	--	--	--	--	1100
24...	--	--	--	--	--	--	--	790
OCT								
09...	88	3	.07	.910	.08	7.8	1.4	1700
NOV								
06...	68	10	.06	.500	.08	5.1	1.6	--
DEC								
04...	74	<1	.13	.940	.04	3.6	.6	--

Remark codes used in this report:
< -- Less than
E -- Estimated value

02327476 OQUINA RIVER AT PINETREE BOULEVARD, NEAR THOMASVILLE, GA--Continued

(GEORGIA EPD ID 10009601)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
08...	0925	EST	81213	7.2	13.4	109	7.6	7.7	235	236	2.1	6.5	24.0
FEB													
26...	0730	EST	81213	6.6	8.9	83	7.4	7.7	217	217	6.6	12.2	22.0

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
08...	5.70	<1	<4	<.5	<1	<2	.6	<.1	<1	<4	<2	11
FEB												
26...	5.20	<1	<4	<.5	<1	<2	.9	<.1	<1	<4	<2	10

Remark codes used in this report:
< -- Less than

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02327695 EAST BRANCH BARNETTS CREEK AT MCMILLAN ROAD, NEAR OCHLOCKNEE, GA

(GEORGIA EPD ID 10011001)

LOCATION.--Lat 30°56'49'', long 84°04'18'' (referenced to North American Datum (NAD) of 1927), Thomas County, Hydrologic Unit 03120002, at the bridge on McMillan Road (County Road 159), 2.9 miles upstream from confluence with Barnetts Creek, 0.5 mile downstream from confluence with Horse Creek, and 2.2 miles southwest of Ochlocknee.

ELEVATION.--188 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

02327695 EAST BRANCH BARNETTS CREEK AT MCMILLAN ROAD, NEAR OCHLOCKNEE, GA--Continued

(GEORGIA EPD ID 10011001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
08...	0835	EST	81213	34	17	12.1	100	6.6	6.7	92	94	2.2	7.0
FEB													
26...	0920	EST	81213	38	28	7.6	72	6.3	6.0	106	110	13.3	13.0
MAR													
04...	1215	EST	81213	139	--	8.4	79	6.2	--	100	92	11.9	12.6
11...	1455	EST	81213	138	--	8.3	86	6.5	6.6	59	58	25.4	17.4
19...	0905	EST	81213	115	30	6.7	72	6.2	6.4	88	88	19.5	19.2
APR													
03...	0745	EST	81213	35	--	8.1	78	6.3	6.8	78	78	9.8	14.4
08...	1150	EST	81213	10	--	10.3	113	6.1	6.4	73	70	21.0	19.8
17...	0730	EST	81213	39	18	6.7	72	6.1	6.7	83	85	13.8	18.8
MAY													
15...	0720	EST	81213	3.2	13	5.5	64	6.2	6.9	88	88	21.5	22.7
JUN													
05...	0720	EST	81213	11	46	6.1	73	6.5	6.7	129	135	22.6	24.1
JUL													
24...	0730	EST	81213	99	35	6.3	75	6.3	6.7	64	66	22.7	24.0
AUG													
07...	0735	EST	81213	53	--	5.8	71	6.4	6.6	78	80	24.3	25.0
14...	1045	EST	81213	33	15	6.4	77	6.3	7.0	76	79	29.6	25.2
20...	0735	EST	81213	57	--	5.8	71	6.4	6.6	59	62	24.5	25.7
SEP													
11...	0845	EST	81213	22	16	6.2	72	--	7.0	77	77	19.0	23.1
17...	0750	EST	81213	11	--	6.2	74	6.6	6.8	92	95	21.7	23.7
24...	0810	EST	81213	14	--	6.1	70	6.7	6.8	89	90	20.2	22.4
OCT													
09...	0905	EST	81213	5.1	17	6.4	71	6.5	7.0	81	81	19.0	20.5
NOV													
06...	0835	EST	81213	11	11	6.5	72	6.5	7.0	96	100	22.7	21.0
DEC													
04...	0915	EST	81213	4.7	8.5	9.2	83	6.5	6.8	134	134	10.2	10.9

02327695 EAST BRANCH BARNETTS CREEK AT MCMILLAN ROAD, NEAR OCHLOCKNEE, GA--Continued

(GEORGIA EPD ID 10011001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
08...	8	12	.26	.390	.09	9.5	1.0	--
FEB								
26...	6	25	.47	.330	.14	12.0	1.8	230
MAR								
04...	--	--	--	--	--	--	--	130
11...	--	--	--	--	--	--	--	80
19...	8	20	.26	.370	.22	11.0	.8	490
APR								
03...	--	--	--	--	--	--	--	130
08...	--	--	--	--	--	--	--	9200
17...	10	13	.10	.370	.12	8.4	1.5	50
MAY								
15...	12	6	.08	.130	.12	10.0	1.4	--
JUN								
05...	12	98	.06	.180	.19	7.6	1.8	--
JUL								
24...	10	31	.08	.170	.16	11.0	E1.7	3500
AUG								
07...	--	--	--	--	--	--	--	490
14...	14	15	.11	.140	.09	8.9	1.4	130
20...	--	--	--	--	--	--	--	250
SEP								
11...	14	13	.05	.220	.10	9.3	.8	230
17...	--	--	--	--	--	--	--	630
24...	--	--	--	--	--	--	--	80
OCT								
09...	13	9	.06	.110	.07	10.0	1.1	--
NOV								
06...	14	8	.09	.150	.06	7.4	1.0	--
DEC								
04...	9	5	.30	.330	.03	5.6	.6	--

Remark codes used in this report:
E -- Estimated value

02327695 EAST BRANCH BARNETTS CREEK AT MCMILLAN ROAD, NEAR OCHLOCKNEE, GA--Continued

(GEORGIA EPD ID 10011001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
08...	0835	EST	81213	34	12.1	100	6.6	6.7	92	94	2.2	7.0	3.90
FEB													
26...	0920	EST	81213	38	7.6	72	6.3	6.0	106	110	13.3	13.0	6.80

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
08...	2.20	<1	<4	<.5	<1	<2	.7	<.1	<1	<4	<2	6
FEB												
26...	3.80	<1	<4	<.5	1	<2	.9	<.1	1	<4	<2	5

Remark codes used in this report:
< -- Less than

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02327720 BARNETTS CREEK AT US HIGHWAY 84, NEAR THOMASVILLE, GA (GEORGIA EPD ID 10012001)

LOCATION.--Lat 30°52’26’’, long 84°04’48’’ (referenced to North American Datum (NAD) of 1927), Grady County, Hydrologic Unit 03120002, at the bridge on US Highway 84, 2.4 miles northeast of Pine Park, 2.7 miles northeast of Seaboard Coast Railroad line, and 5.8 miles northwest of Thomasville.

DRAINAGE AREA.--113 square miles.

ELEVATION.--190 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
08...	1015	EST	81213	52	13	12.3	102	6.7	7.0	67	68	7.1	7.4
FEB													
26...	1015	EST	81213	88	30	8.9	85	6.4	6.5	66	66	15.5	13.3
MAR													
04...	1315	EST	81213	>650	--	8.5	80	6.2	6.3	48	51	12.8	12.7
11...	1350	EST	81213	>650	--	7.5	77	6.0	6.5	43	41	26.1	16.2
19...	0935	EST	81213	>650	34	7.4	81	6.2	6.5	61	60	20.6	19.6
APR													
03...	0820	EST	81213	75	--	9.0	87	6.1	6.8	58	57	12.2	14.4
08...	1520	EST	81213	577	--	9.8	108	6.1	6.7	52	49	20.8	19.7
17...	0810	EST	81213	75	18	7.5	80	6.0	6.9	65	64	15.8	18.5
MAY													
15...	0810	EST	81213	.58	11	5.7	64	6.2	7.0	83	82	21.4	21.8
JUN													
05...	0900	EST	81213	4.1	12	6.4	76	6.7	6.9	76	78	25.3	23.9
JUL													
24...	0855	EST	81213	>650	38	6.2	73	6.2	6.5	52	53	27.0	24.2
AUG													
07...	0830	EST	81213	106	--	6.2	76	6.4	6.6	61	63	26.4	25.1
14...	1120	EST	81213	93	18	6.8	81	6.3	6.9	57	60	38.1	25.0
20...	0830	EST	81213	>650	--	5.6	68	6.2	6.4	41	44	27.6	25.6
SEP													
11...	0935	EST	81213	43	13	6.6	77	--	6.9	60	58	20.2	23.0
17...	0850	EST	81213	17	--	6.2	73	6.5	6.7	64	65	25.7	23.4
24...	0905	EST	81213	30	--	6.7	77	6.6	6.8	58	59	24.4	22.7
OCT													
09...	0945	EST	81213	12	22	6.9	77	6.6	7.0	55	53	20.1	20.8
NOV													
06...	1005	EST	81213	16	9.4	7.1	80	6.6	7.0	64	67	24.0	20.9
DEC													
04...	0945	EST	81213	7.9	6.3	9.8	88	6.6	7.0	79	78	10.9	10.5

02327720 BARNETTS CREEK AT US HIGHWAY 84, NEAR THOMASVILLE, GA--Continued (GEORGIA EPD ID 10012001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
08...	9	10	.07	.250	.07	9.1	.9	--
FEB								
26...	8	36	.10	.200	.11	11.0	1.5	50
MAR								
04...	--	--	--	--	--	--	--	330
11...	--	--	--	--	--	--	--	130
19...	9	27	.15	.220	.14	12.0	.4	170
APR								
03...	--	--	--	--	--	--	--	<20
08...	--	--	--	--	--	--	--	2400
17...	11	11	.07	.290	.09	8.6	1.2	140
MAY								
15...	17	4	.04	.200	.11	11.0	1.1	--
JUN								
05...	17	6	.04	.190	.08	8.7	1.0	--
JUL								
24...	9	50	.05	.130	.12	9.7	1.6	490
AUG								
07...	--	--	--	--	--	--	--	120
14...	12	21	.05	.130	.07	9.2	1.4	170
20...	--	--	--	--	--	--	--	130
SEP								
11...	13	8	.05	.180	.10	11.0	.9	170
17...	--	--	--	--	--	--	--	20
24...	--	--	--	--	--	--	--	230
OCT								
09...	11	13	.04	.180	.08	11.0	1.9	1100
NOV								
06...	14	9	.04	.100	.05	7.8	1.2	--
DEC								
04...	11	3	.08	.180	.03	6.8	.5	--

Remark codes used in this report:
< -- Less than
> -- Greater than

02327720 BARNETTS CREEK AT US HIGHWAY 84, NEAR THOMASVILLE, GA--Continued (GEORGIA EPD ID 10012001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
08...	1015	EST	81213	52	12.3	102	6.7	7.0	67	68	7.1	7.4	3.70
FEB													
26...	1015	EST	81213	88	8.9	85	6.4	6.5	66	66	15.5	13.3	3.80

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
08...	2.20	<1	<4	<.5	<1	<2	.7	<.1	<1	<4	<2	2
FEB												
26...	2.20	<1	<4	<.5	1	<2	1.1	<.1	<1	<4	<2	4

Remark codes used in this report:
< -- Less than

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02328025 PARKERS MILL CREEK AT PINE PARK ROAD, NEAR CAIRO, GA (GEORGIA EPD ID 10016401)

LOCATION.--Lat 30°50'17'', long 84°13'34'' (referenced to North American Datum (NAD) of 1927), Grady County, Hydrologic Unit 03120002, at the culvert on Pine Park Road (County Road 324), 0.6 mile upstream from confluence with Tired Creek, and 1.9 miles south of Cairo.

ELEVATION.--160 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
08...	1100	EST	81213	7.7	9.0	12.6	103	7.6	7.8	204	205	9.9	6.7
FEB													
26...	1105	EST	81213	8.5	14	9.4	90	7.4	7.5	201	202	20.7	13.3
MAR													
04...	1340	EST	81213	32	--	9.2	88	7.2	7.0	161	148	11.9	13.3
11...	1305	EST	81213	20	--	9.1	92	7.0	7.3	140	129	25.3	16.0
19...	1005	EST	81213	13	24	8.0	87	7.2	7.5	147	149	22.4	18.9
APR													
03...	0900	EST	81213	7.3	--	8.8	85	7.1	7.5	230	236	16.4	14.3
08...	1255	EST	81213	43	--	11.0	119	6.7	6.9	132	121	22.8	18.7
17...	0845	EST	81213	5.8	8.9	8.3	85	6.9	7.7	176	179	19.5	17.0
MAY													
15...	0835	EST	81213	4.8	3.1	7.0	78	7.2	7.7	434	437	24.0	20.7
JUN													
05...	0950	EST	81213	5.2	5.9	7.1	83	7.5	7.7	360	373	26.4	23.1
JUL													
24...	0945	EST	81213	35	160	6.4	77	7.3	7.3	256	253	25.9	24.4
AUG													
07...	0900	EST	81213	7.6	--	6.6	79	7.2	7.3	186	192	26.0	24.4
14...	1210	EST	81213	7.4	17	6.7	81	7.2	7.6	203	205	31.5	25.3
20...	0905	EST	81213	7.7	--	6.8	82	7.3	7.4	163	168	26.7	25.1
SEP													
11...	1000	EST	81213	5.3	6.4	7.2	81	--	7.7	202	208	21.5	21.6
17...	0930	EST	81213	5.4	--	7.2	83	7.5	7.6	227	230	24.9	22.6
24...	0940	EST	81213	6.9	--	7.2	82	7.5	7.5	286	287	24.3	21.7
OCT													
09...	1020	EST	81213	6.5	8.2	7.6	85	7.4	7.7	207	209	22.5	20.7
NOV													
06...	1055	EST	81213	5.8	4.6	7.4	84	7.5	7.8	231	242	25.4	21.7
DEC													
04...	1015	EST	81213	5.9	4.4	9.9	92	7.4	7.8	228	233	10.9	12.0

02328025 PARKERS MILL CREEK AT PINE PARK ROAD, NEAR CAIRO, GA--Continued (GEORGIA EPD ID 10016401)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
08...	45	6	.14	2.30	.19	5.9	1.3	--
FEB								
26...	44	5	.14	2.30	.36	7.0	1.4	20
MAR								
04...	--	--	--	--	--	--	--	700
11...	--	--	--	--	--	--	--	460
19...	37	22	.10	.990	.31	7.7	.5	330
APR								
03...	--	--	--	--	--	--	--	<20
08...	--	--	--	--	--	--	--	9200
17...	41	3	.18	2.50	.54	6.4	1.5	20
MAY								
15...	58	2	.38	7.40	.99	5.6	1.8	--
JUN								
05...	68	4	.09	3.60	.99	5.4	1.3	--
JUL								
24...	57	245	.27	2.80	1.30	8.3	5.0	>24000
AUG								
07...	--	--	--	--	--	--	--	490
14...	47	18	.31	2.00	.47	6.9	3.4	3500
20...	--	--	--	--	--	--	--	70
SEP								
11...	44	3	.27	2.90	.49	6.0	1.3	330
17...	--	--	--	--	--	--	--	230
24...	--	--	--	--	--	--	--	490
OCT								
09...	43	4	.10	2.40	.51	6.3	1.2	330
NOV								
06...	56	1	.04	2.60	.46	5.7	.8	--
DEC								
04...	50	2	.07	3.30	.36	4.2	.6	--

Remark codes used in this report:
< -- Less than
> -- Greater than

02328025 PARKERS MILL CREEK AT PINE PARK ROAD, NEAR CAIRO, GA--Continued (GEORGIA EPD ID 10016401)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
08...	1100	EST	81213	7.7	12.6	103	7.6	7.8	204	205	9.9	6.7	17.0
FEB													
26...	1105	EST	81213	8.5	9.4	90	7.4	7.5	201	202	20.7	13.3	16.0

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
08...	6.20	<1	<4	<.5	<1	<2	.2	<.1	<1	<4	<2	4
FEB												
26...	6.10	<1	<4	<.5	<1	<2	.7	<.1	<1	<4	<2	6

Remark codes used in this report:
< -- Less than

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02328082 LITTLE TIRED CREEK AT PINE PARK ROAD, NEAR CAIRO, GA (GEORGIA EPD ID 10016601)

LOCATION.--Lat 30°60'30'', long 84°12'03'' (referenced to North American Datum (NAD) of 1927), Grady County, Hydrologic Unit 03120002, at the bridge on Pine Park Road (County Road 324), 2.6 miles upstream from confluence with Tired Creek, and 1.7 miles south of Cairo.

ELEVATION.--160 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
08...	1135	EST	81213	20	11	12.0	98	7.1	7.1	274	278	11.0	7.0
FEB													
26...	1140	EST	81213	20	13	8.0	77	6.4	6.5	154	159	21.1	13.7
MAR													
04...	1405	EST	81213	>40	--	8.6	82	6.7	6.4	102	106	13.5	12.8
11...	1250	EST	81213	>40	--	8.2	83	6.3	6.9	72	71	25.6	16.0
19...	1045	EST	81213	>40	24	6.6	72	6.4	6.9	93	94	22.8	19.2
APR													
03...	0925	EST	81213	17	--	7.9	77	6.4	6.8	118	118	17.7	15.2
08...	1240	EST	81213	>40	--	10.2	112	6.4	6.8	103	98	22.1	19.3
17...	0925	EST	81213	15	14	7.2	77	6.3	7.0	118	119	21.5	18.8
MAY													
15...	0900	EST	81213	.90	9.0	4.7	53	6.6	7.3	250	251	26.0	21.5
JUN													
05...	1020	EST	81213	3.3	10	4.9	58	6.7	7.0	512	539	27.6	23.9
JUL													
24...	1020	EST	81213	>40	51	6.1	73	6.5	6.9	83	86	30.0	24.2
AUG													
07...	0915	EST	81213	>40	--	6.0	73	6.6	6.7	88	90	22.9	24.9
14...	1240	EST	81213	>40	30	6.3	75	6.4	6.9	73	78	34.3	24.8
20...	0920	EST	81213	33	--	5.8	71	6.5	6.6	84	88	26.1	25.4
SEP													
11...	1030	EST	81213	10	11	6.5	75	--	7.2	89	89	22.9	23.1
17...	0950	EST	81213	8.7	--	6.1	72	6.9	7.0	136	138	27.2	23.6
24...	0950	EST	81213	8.7	--	6.1	71	6.7	6.9	115	116	24.6	22.7
OCT													
09...	1050	EST	81213	6.3	13	6.5	74	6.9	7.3	264	267	22.7	21.5
NOV													
06...	1120	EST	81213	6.4	12	6.5	74	6.8	7.2	165	169	25.6	21.7
DEC													
04...	1045	EST	81213	5.2	11	9.2	83	6.8	7.2	148	147	14.0	11.1

02328082 LITTLE TIRED CREEK AT PINE PARK ROAD, NEAR CAIRO, GA--Continued (GEORGIA EPD ID 10016601)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
08...	24	8	.13	.370	.10	9.3	1.3	--
FEB								
26...	10	8	.33	.380	.49	12.0	1.2	<20
MAR								
04...	--	--	--	--	--	--	--	490
11...	--	--	--	--	--	--	--	110
19...	15	21	.14	.360	.18	11.0	.2	490
APR								
03...	--	--	--	--	--	--	--	20
08...	--	--	--	--	--	--	--	3500
17...	17	9	.09	.320	.12	9.0	1.4	130
MAY								
15...	33	8	.07	.280	.24	11.0	1.2	--
JUN								
05...	29	11	2.60	2.50	.29	8.6	1.8	--
JUL								
24...	16	69	.12	.240	.23	11.0	E2.0	5400
AUG								
07...	--	--	--	--	--	--	--	330
14...	14	34	.15	.230	.13	10.0	2.1	790
20...	--	--	--	--	--	--	--	80
SEP								
11...	16	5	.05	.230	.10	11.0	.8	230
17...	--	--	--	--	--	--	--	220
24...	--	--	--	--	--	--	--	230
OCT								
09...	22	10	.12	.460	.15	11.0	1.3	790
NOV								
06...	23	8	.05	.190	.14	8.7	1.0	--
DEC								
04...	19	4	.04	.190	.10	6.3	.4	--

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value

02328082 LITTLE TIRED CREEK AT PINE PARK ROAD, NEAR CAIRO, GA--Continued (GEORGIA EPD ID 10016601)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-tance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
08...	1135	EST	81213	20	12.0	98	7.1	7.1	274	278	11.0	7.0	7.40
FEB													
26...	1140	EST	81213	20	8.0	77	6.4	6.5	154	159	21.1	13.7	7.30

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
08...	3.00	<1	<4	<.5	<1	<2	.4	<.1	<1	<4	<2	4
FEB												
26...	3.60	<1	<4	<.5	<1	3	.8	<.1	<1	<4	<2	20

Remark codes used in this report:
< -- Less than

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02328200 OCHLOCKONEE RIVER AT HADLEY FERRY ROAD, NEAR CALVARY, GA (GEORGIA EPD ID 10017001)

LOCATION.--Lat 30º43'53", long 84º14'12" (referenced to North American Datum (NAD) of 1927), Grady County, Hydrologic Unit 03120003, at the bridge on Hadley Ferry Road, 1.5 miles downstream from confluence with Tired Creek, and 6.5 miles east of Calvary.

DRAINAGE AREA.--930 square miles, approximately.

ELEVATION.--100 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1974 to February 1994, October 1994 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
08...	1240	EST	81213	2350	22	10.6	90	6.6	6.6	67	68	15.0	8.4
FEB													
26...	1230	EST	81213	2070	22	8.0	78	6.5	6.7	67	68	21.9	14.3
MAR													
04...	1430	EST	81213	5440	--	7.7	73	6.1	6.5	45	46	13.8	13.5
11...	1220	EST	81213	15200	--	7.3	75	5.9	6.2	42	39	25.1	16.6
19...	1150	EST	81213	3280	19	6.0	65	6.3	6.7	60	58	24.5	19.3
APR													
03...	1000	EST	81213	1640	--	7.5	74	6.2	6.8	69	70	19.5	15.7
08...	1350	EST	81213	1270	--	9.5	104	6.5	7.1	76	72	19.3	19.9
17...	1015	EST	81213	2110	16	6.6	70	6.0	6.8	64	63	24.8	18.1
MAY													
15...	0955	EST	81213	300	8.3	5.3	62	6.3	7.2	111	111	27.3	23.8
JUN													
05...	1110	EST	81213	291	12	5.7	70	6.8	7.1	128	133	29.2	25.2
JUL													
24...	1105	EST	81213	1650	30	6.0	72	6.5	6.7	61	65	28.2	24.6
AUG													
07...	0945	EST	81213	3140	--	5.1	62	6.2	6.4	51	53	24.8	25.1
14...	1315	EST	81213	2910	16	5.0	61	6.1	6.8	55	57	38.4	25.5
20...	0945	EST	81213	2530	--	4.8	59	6.4	6.6	61	62	28.2	25.8
SEP													
11...	1100	EST	81213	1780	17	5.6	66	--	6.9	55	56	25.2	23.7
17...	1020	EST	81213	764	--	4.4	52	6.4	6.6	83	86	26.0	24.4
24...	1020	EST	81213	502	--	5.6	66	6.7	6.9	122	124	26.3	23.7
OCT													
09...	1140	EST	81213	329	16	6.2	72	6.7	7.3	102	102	23.2	22.7
NOV													
06...	1205	EST	81213	770	12	6.7	75	6.6	7.0	88	90	27.1	20.6
DEC													
04...	1145	EST	81213	436	7.8	9.6	86	6.7	7.3	100	99	14.0	11.0

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02328200 OCHLOCKONEE RIVER AT HADLEY FERRY ROAD, NEAR CALVARY, GA--Continued

(GEORGIA EPD ID 10017001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
08...	10	21	.03	.220	.11	12.0	1.6	--
FEB								
26...	11	12	.04	.200	.10	15.0	1.6	20
MAR								
04...	--	--	--	--	--	--	--	230
11...	--	--	--	--	--	--	--	230
19...	13	8	.07	.190	.12	14.0	.1	40
APR								
03...	--	--	--	--	--	--	--	130
08...	--	--	--	--	--	--	--	230
17...	13	10	.08	.300	.12	12.0	1.5	40
MAY								
15...	28	8	.10	.540	.17	11.0	1.3	--
JUN								
05...	29	7	.09	.760	.22	8.0	1.2	--
JUL								
24...	14	30	.07	.320	.14	12.0	1.5	490
AUG								
07...	--	--	--	--	--	--	--	700
14...	13	13	.06	.140	.11	15.0	1.6	20
20...	--	--	--	--	--	--	--	20
SEP								
11...	12	12	.05	.190	.10	11.0	1.1	50
17...	--	--	--	--	--	--	--	50
24...	--	--	--	--	--	--	--	50
OCT								
09...	22	11	.10	.790	.12	9.1	1.2	4900
NOV								
06...	17	7	.05	.300	.10	9.5	1.0	--
DEC								
04...	21	3	.08	.540	.09	6.7	.5	--

02328200 OCHLOCKONEE RIVER AT HADLEY FERRY ROAD, NEAR CALVARY, GA--Continued

(GEORGIA EPD ID 10017001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
08...	1240	EST	81213	2350	10.6	90	6.6	6.6	67	68	15.0	8.4	3.80
FEB													
26...	1230	EST	81213	2070	8.0	78	6.5	6.7	67	68	21.9	14.3	3.90

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
08...	2.00	<1	<4	<.5	1	<2	1.2	<.1	<1	<4	<2	6
FEB												
26...	2.10	<1	<4	<.5	<1	<2	1.0	<.1	<1	<4	<2	7

Remark codes used in this report:
< -- Less than

OCHLOCKONEE RIVER BASIN
2003 Calendar Year

02329385 SWAMP CREEK AT US HIGHWAY 27, NEAR ATTAPULGUS, GA (GEORGIA EPD ID 10020001)

LOCATION.--Lat 30°43'10'', long 84°24'41'' (referenced to North American Datum (NAD) of 1927), Decatur County, Hydrologic Unit 03120003, at the bridge on US Highway 27, 1.3 miles east of Amsterdam, 2.3 miles downstream from confluence with Double Branch, and 4.5 miles southeast of Attapulgus.

DRAINAGE AREA.--39.1 square miles.

ELEVATION.--150 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1998 to December 1998, April 1999, January 2003 to December 2003 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
08...	1340	EST	81213	19	12	11.3	93	6.8	7.2	58	59	13.7	6.8
FEB													
26...	1330	EST	81213	21	21	8.7	84	6.5	6.8	54	55	22.9	13.7
MAR													
04...	1505	EST	81213	>100	--	8.6	82	6.3	6.5	51	46	14.7	13.0
11...	1145	EST	81213	>100	--	7.4	75	6.0	6.6	40	37	24.6	16.0
19...	1250	EST	81213	>100	32	6.3	70	6.2	6.6	46	58	26.0	20.0
APR													
03...	1040	EST	81213	24	--	8.3	82	6.3	6.9	51	49	21.9	15.5
08...	1435	EST	81213	>100	--	9.1	99	6.1	6.6	40	38	21.5	19.3
17...	1105	EST	81213	17	17	7.1	76	6.0	6.8	48	47	25.7	18.9
MAY													
15...	1100	EST	81213	13	14	4.3	49	6.2	6.9	63	62	27.5	22.4
JUN													
05...	1205	EST	81213	14	9.7	5.9	71	6.7	6.9	63	64	31.1	24.6
JUL													
24...	1150	EST	81213	>100	25	5.4	65	6.0	7.0	43	45	31.5	24.3
AUG													
07...	1015	EST	81213	72	--	5.6	68	6.3	6.5	46	48	25.3	24.7
14...	1415	EST	81213	93	24	5.8	70	6.0	6.7	44	45	34.8	25.1
20...	1025	EST	81213	23	--	5.8	71	6.4	6.6	49	51	27.6	25.6
SEP													
11...	1200	EST	81213	11	11	6.2	72	--	7.0	51	49	25.5	23.0
17...	1105	EST	81213	9.8	--	6.1	71	6.6	6.8	53	54	29.4	23.7
24...	1050	EST	81213	18	--	6.5	75	6.5	6.6	51	51	26.2	22.4
OCT													
09...	1230	EST	81213	17	13	6.5	74	6.6	6.9	50	48	26.5	22.3
NOV													
06...	1255	EST	81213	15	11	6.2	71	6.6	7.0	61	62	28.5	21.9
DEC													
04...	1245	EST	81213	14	6.4	9.1	83	6.6	7.2	56	54	13.5	11.4

02329385 SWAMP CREEK AT US HIGHWAY 27, NEAR ATTAPULGUS, GA--Continued (GEORGIA EPD ID 10020001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
08...	13	5	.05	.200	.07	9.2	1.1	--
FEB								
26...	12	11	.06	.120	.10	14.0	1.5	<20
MAR								
04...	--	--	--	--	--	--	--	460
11...	--	--	--	--	--	--	--	330
19...	10	21	.06	.090	.13	14.0	.2	270
APR								
03...	--	--	--	--	--	--	--	20
08...	--	--	--	--	--	--	--	3500
17...	12	14	.07	.170	.10	9.7	1.3	40
MAY								
15...	19	12	.06	.140	.12	11.0	1.2	--
JUN								
05...	17	4	.05	.120	.10	8.5	1.2	--
JUL								
24...	9	23	.06	.070	.11	13.0	1.6	1300
AUG								
07...	--	--	--	--	--	--	--	110
14...	11	27	.06	.090	.12	12.0	2.0	490
20...	--	--	--	--	--	--	--	50
SEP								
11...	13	6	.04	.200	.09	11.0	.8	80
17...	--	--	--	--	--	--	--	170
24...	--	--	--	--	--	--	--	293
OCT								
09...	12	9	.03	.120	.07	9.7	1.3	270
NOV								
06...	17	16	.04	.110	.09	9.3	1.0	--
DEC								
04...	14	4	.03	.120	.05	7.6	.4	--

Remark codes used in this report:
< -- Less than
> -- Greater than

02329385 SWAMP CREEK AT US HIGHWAY 27, NEAR ATTAPULGUS, GA--Continued (GEORGIA EPD ID 10020001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
JAN													
08...	1340	EST	81213	19	11.3	93	6.8	7.2	58	59	13.7	6.8	4.20
FEB													
26...	1330	EST	81213	21	8.7	84	6.5	6.8	54	55	22.9	13.7	3.90

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
JAN												
08...	1.80	<1	<4	<.5	<1	<2	.3	<.1	<1	<4	<2	2
FEB												
26...	1.70	<1	<4	<.5	<1	<2	.7	<.1	<1	<4	<2	3

Remark codes used in this report:
< -- Less than

APALACHICOLA RIVER BASIN
2003 Calendar Year

02332017 CHATTAHOOCHEE RIVER AT BELTON BRIDGE ROAD, NEAR LULA, GA (GEORGIA EPD ID 12030085)

LOCATION.--Lat 34°26'43", long 83°41'07" (referenced to North American Datum (NAD) of 1927), Hall County, Hydrologic Unit 03130001, at the bridge on Belton Bridge Road, 3.4 miles upstream from Lula Bridge, and 4.1 miles northwest of Lula.

DRAINAGE AREA.--414 square miles, approximately.

ELEVATION.--1080 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2000 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharges for the samples collected October–December 2003 are still "provisional" as of publication date and are available upon request.

02332017 CHATTAHOOCHEE RIVER AT BELTON BRIDGE ROAD, NEAR LULA, GA--Continued

(GEORGIA EPD ID 12030085)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
09...	0950	EST	81341	E870	3.9	11.6	98	7.0	6.7	36	32	13.4	6.6
16...	0930	EST	81213	E750	--	12.5	97	7.1	7.2	35	33	.6	3.9
30...	1500	EST	81213	E910	--	9.2	79	6.5	7.3	39	38	8.7	7.2
FEB													
04...	1445	EST	81341	E930	8.3	11.0	101	6.6	6.9	38	34	11.0	9.9
MAR													
13...	0945	EST	81341	E970	6.4	10.3	98	6.9	6.4	36	33	17.6	11.9
APR													
10...	0845	EST	81341	E1200	8.6	10.2	96	6.9	6.5	36	34	9.5	11.2
MAY													
30...	0945	EST	81341	E950	7.5	8.4	90	6.4	6.7	33	31	17.5	17.0
JUN													
05...	1320	EST	81213	E940	--	8.8	100	6.7	7.0	32	31	27.8	19.4
12...	0845	EST	81213	E1000	--	8.2	94	6.1	6.9	33	31	22.7	20.3
19...	0930	EST	81341	E2000	130	8.6	97	6.1	6.0	36	30	22.5	19.3
JUL													
24...	0900	EST	81213	E970	--	8.0	90	6.5	7.2	33	32	16.5	20.0
31...	0945	EST	81341	E1000	13	7.9	92	6.7	6.5	37	32	23.6	21.4
AUG													
07...	0900	EST	81213	E1000	--	8.0	93	6.4	6.9	33	31	20.4	21.0
14...	0945	EST	81341	E940	16	8.0	92	6.8	6.8	39	34	22.5	21.1
SEP													
04...	0820	EST	81341	E720	7.5	7.4	89	6.9	6.5	36	36	24.0	22.9
OCT													
23...	0945	EST	81341	--	2.9	8.7	88	6.9	6.7	42	37	8.9	13.9
NOV													
20...	1000	EST	81341	--	48	9.2	91	6.7	6.5	34	31	9.9	13.2
DEC													
03...	0945	EST	81213	--	--	11.6	97	7.3	7.2	35	35	7.4	6.9
11...	0915	EST	81341	--	42	10.6	93	6.6	6.6	34	29	5.6	8.2
17...	1135	EST	81213	--	--	11.6	99	7.1	7.1	35	35	5.6	7.2

APALACHICOLA RIVER BASIN
2003 Calendar Year

02332017 CHATTAHOOCHEE RIVER AT BELTON BRIDGE ROAD, NEAR LULA, GA--Continued

(GEORGIA EPD ID 12030085)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN							
09...	7	<.030	.740	<.020	1.1	<2.0	40
16...	--	--	--	--	--	--	50
30...	--	--	--	--	--	--	230
FEB							
04...	7	<.030	.730	.030	1.4	<2.0	460
MAR							
13...	8	<.030	.700	.020	1.4	<2.0	--
APR							
10...	7	<.030	.620	.030	1.0	<2.0	--
MAY							
30...	8	.030	.540	.030	2.5	<2.0	130
JUN							
05...	--	--	--	--	--	--	1300
12...	--	--	--	--	--	--	170
19...	6	.220	.440	.190	4.4	<2.0	3300
JUL							
24...	--	--	--	--	--	--	790
31...	7	<.030	.520	<.020	1.6	<2.0	4900
AUG							
07...	--	--	--	--	--	--	3500
14...	9	<.030	.500	.040	1.8	<2.0	700
SEP							
04...	9	<.030	.520	.030	1.6	<2.0	--
OCT							
23...	9	<.030	.510	.020	2.2	<2.0	--
NOV							
20...	5	<.030	.660	.120	3.9	<2.0	3300
DEC							
03...	--	--	--	--	--	--	80
11...	5	.040	.580	.140	3.5	<2.0	2800
17...	--	--	--	--	--	--	490

Remark codes used in this report:
< -- Less than
E -- Estimated value

02333105 DICKS CREEK AT FOREST SERVICE ROAD 216, NEAR NEELS GAP, GA (GEORGIA EPD ID 12033201)

LOCATION.--Lat 34º40'48", long 83º56'15" (referenced to North American Datum (NAD) of 1927), Lumpkin County, Hydrologic Unit 03130001, at Forest Service Road 216, 0.1 miles upstream from confluence with Waters Creek, 1.6 miles downstream from confluence with Blood Mountain Creek, and 4.0 miles southwest of Neels Gap.

DRAINAGE AREA.--9.39 square miles.

ELEVATION.--1700 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

REVISED RECORDS.--Drainage area: WDR GA-02-2

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1991 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

02333105 DICKS CREEK AT FOREST SERVICE ROAD 216, NEAR NEELS GAP, GA--Continued

(GEORGIA EPD ID 12033201)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
09...	0700	EST	81341	27	1.1	10.8	97	6.8	6.6	25	10	7.5	7.7
16...	0615	EST	81213	23	--	12.3	97	6.8	7.0	13	10	-2.6	3.7
30...	1135	EST	81213	27	--	7.8	68	6.6	7.0	14	13	7.7	6.9
FEB													
04...	1030	EST	81341	32	2.8	10.8	97	6.4	6.4	15	11	5.0	8.1
MAR													
13...	0630	EST	81341	30	1.1	10.0	93	6.8	6.0	15	10	9.5	10.0
APR													
10...	0520	EST	81341	35	2.0	10.6	98	6.8	6.1	13	11	8.0	9.5
MAY													
30...	0635	EST	81341	24	2.4	9.6	97	6.2	6.4	13	11	10.3	13.3
JUN													
05...	0955	EST	81213	21	--	9.9	102	6.5	6.9	14	14	20.1	13.9
12...	0600	EST	81213	29	--	9.3	99	6.0	6.9	14	12	19.3	16.1
19...	0630	EST	81341	90	3.6	9.8	104	5.8	6.1	17	10	18.4	15.9
JUL													
24...	0600	EST	81213	17	--	9.1	95	6.4	7.0	14	12	12.7	15.6
31...	0630	EST	81341	51	44	9.0	100	6.7	5.9	17	11	21.2	18.2
AUG													
07...	0600	EST	81213	20	--	9.0	98	6.5	6.9	14	12	16.5	16.8
14...	0630	EST	81341	21	1.7	8.5	92	6.9	6.5	18	12	18.7	17.4
SEP													
04...	0945	EST	81341	26	8.3	8.5	96	6.5	6.3	15	15	21.5	18.7
OCT													
23...	0630	EST	81341	4.7	<1.0	9.5	93	6.8	6.2	16	13	7.3	11.8
NOV													
20...	0645	EST	81341	38	2.1	10.1	97	6.6	6.2	14	10	7.6	10.8
DEC													
03...	1045	EST	81213	--	--	11.0	95	7.4	7.0	13	13	5.2	7.3
11...	0630	EST	81341	59	1.9	10.5	93	6.5	6.2	15	10	.4	7.1
17...	0810	EST	81213	27	--	11.3	100	6.9	6.7	14	13	.4	7.3

02333105 DICKS CREEK AT FOREST SERVICE ROAD 216, NEAR NEELS GAP, GA--Continued

(GEORGIA EPD ID 12033201)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
09...	4	<1	<.030	<.020	<.020	<1.0	<2.0	<20
16...	--	--	--	--	--	--	--	<20
30...	--	--	--	--	--	--	--	60
FEB								
04...	3	6	<.030	.040	<.020	1.1	<2.0	20
MAR								
13...	3	4	<.030	.020	<.020	<1.0	<2.0	--
APR								
10...	4	5	<.030	.020	<.020	.6	<2.0	--
MAY								
30...	4	5	<.030	.030	<.020	2.0	<2.0	65
JUN								
05...	--	--	--	--	--	--	--	50
12...	--	--	--	--	--	--	--	<20
19...	3	9	<.030	.030	<.020	1.7	<2.0	50
JUL								
24...	--	--	--	--	--	--	--	20
31...	3	120	<.030	.080	.100	4.6	<2.0	13000
AUG								
07...	--	--	--	--	--	--	--	110
14...	4	3	<.030	.030	<.020	1.3	<2.0	1100
SEP								
04...	4	20	<.030	.040	.020	2.3	<2.0	--
OCT								
23...	4	<1	<.030	<.020	<.020	1.5	<2.0	--
NOV								
20...	3	6	<.030	.040	<.020	<1.0	<2.0	20
DEC								
03...	--	--	--	--	--	--	--	20
11...	2	3	<.030	.040	<.020	<1.0	<2.0	20
17...	--	--	--	--	--	--	--	20

Remark codes used in this report:
< -- Less than

APALACHICOLA RIVER BASIN
2003 Calendar Year

02333970 CHESTATEE RIVER AT GEORGIA HIGHWAY 400, NEAR DAHLONEGA, GA (GEORGIA EPD ID 12035401)

LOCATION.--Lat 34°28'00", long 83°58'07" (referenced to North American Datum (NAD) of 1927), Lumpkin County, Hydrologic Unit 03130001, at the bridge on Georgia Highway 400, 0.2 mile upstream from confluence with Long Branch Creek, and 5.9 miles south of Dahlonega.

DRAINAGE AREA.--227 square miles, approximately.

ELEVATION.--1080 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1976, January 2000 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharges for the samples collected October–December 2003 are still "provisional" as of publication date and are available upon request.

APALACHICOLA RIVER BASIN
2003 Calendar Year

02333970 CHESTATEE RIVER AT GEORGIA HIGHWAY 400, NEAR DAHLONEGA, GA--Continued

(GEORGIA EPD ID 12035401)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
09...	0530	EST	81341	492	<1.0	11.8	98	7.0	6.7	31	29	9.0	5.9
16...	0515	EST	81213	410	--	12.4	95	7.0	7.2	32	30	-4.5	3.6
30...	1040	EST	81213	540	--	7.2	61	6.7	7.2	33	32	10.2	6.4
FEB													
04...	0800	EST	81341	425	4.7	10.6	95	6.2	6.9	40	29	6.5	8.7
MAR													
13...	0530	EST	81341	651	6.0	10.4	98	7.0	6.4	31	29	9.5	11.8
APR													
10...	0430	EST	81341	758	10	10.4	99	6.8	6.7	32	29	8.4	11.4
MAY													
30...	0515	EST	81341	573	6.6	8.8	95	6.4	6.7	30	29	11.0	17.2
JUN													
05...	0855	EST	81213	591	--	9.1	100	6.7	7.0	30	30	21.1	18.1
12...	0500	EST	81213	641	--	8.9	102	6.1	7.1	30	29	19.8	20.5
19...	0520	EST	81341	1880	90	8.9	100	6.0	6.5	30	24	19.5	19.5
JUL													
24...	0500	EST	81213	534	--	8.4	96	6.5	7.2	31	30	15.7	20.7
31...	0530	EST	81341	674	23	8.3	96	6.6	6.4	34	29	22.5	21.8
AUG													
07...	0500	EST	81213	752	--	8.1	93	6.3	6.7	31	29	20.5	20.9
14...	0520	EST	81341	558	40	8.2	94	6.8	6.8	37	32	20.5	21.2
SEP													
04...	1050	EST	81341	651	7.2	7.8	93	7.1	6.8	35	35	24.1	22.5
OCT													
23...	0500	EST	81341	--	2.0	8.8	89	7.0	6.6	40	35	6.9	14.2
NOV													
20...	0500	EST	81341	--	35	9.2	92	6.5	6.6	31	28	8.0	13.6
DEC													
03...	1130	EST	81213	--	--	11.5	97	7.1	7.2	32	32	6.4	6.9
11...	0500	EST	81341	--	56	10.6	95	6.6	6.6	32	27	2.5	8.5
17...	0715	EST	81213	--	--	11.4	98	7.4	7.1	34	33	2.8	7.2

02333970 CHESTATEE RIVER AT GEORGIA HIGHWAY 400, NEAR DAHLONEGA, GA--Continued

(GEORGIA EPD ID 12035401)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
09...	8	--	<.030	.420	<.020	1.1	<2.0	170
16...	--	--	--	--	--	--	--	20
30...	--	--	--	--	--	--	--	490
FEB								
04...	8	--	<.030	.390	.020	<1.0	<2.0	<20
MAR								
13...	7	--	<.030	.360	<.020	<1.0	<2.0	--
APR								
10...	7	20	<.030	.330	.020	1.1	<2.0	--
MAY								
30...	8	--	<.030	.320	.020	2.4	<2.0	50
JUN								
05...	--	--	--	--	--	--	--	1300
12...	--	--	--	--	--	--	--	40
19...	6	--	.140	.230	.180	4.7	<2.0	17000
JUL								
24...	--	--	--	--	--	--	--	490
31...	8	--	<.030	.320	.020	2.2	<2.0	2300
AUG								
07...	--	--	--	--	--	--	--	<20
14...	10	--	<.030	.340	.060	2.6	<2.0	7900
SEP								
04...	10	--	<.030	.320	.030	1.8	<2.0	--
OCT								
23...	10	--	<.030	.250	<.020	3.0	<2.0	--
NOV								
20...	6	--	<.030	.370	.100	3.6	<2.0	12400
DEC								
03...	--	--	--	--	--	--	--	130
11...	6	--	<.030	.350	.160	3.6	<2.0	3300
17...	--	--	--	--	--	--	--	20

Remark codes used in this report:
< -- Less than

APALACHICOLA RIVER BASIN
2003 Calendar Year

02334140 FLAT CREEK AT MCEVER ROAD, NEAR GAINESVILLE, GA (GEORGIA EPD ID 12038501)

LOCATION.--Lat 34°15'57", long 83°53'06" (referenced to North American Datum (NAD) of 1927), Hall County, Hydrologic Unit 03130001, at the bridge on McEver Road, 1.2 miles downstream from Flat Creek Sewage Disposal Plant, and 4.7 miles southwest of Gainesville.

DRAINAGE AREA.--6.9 square miles.

ELEVATION.--1100 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1995 to December 1995, January 2000 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

02334140 FLAT CREEK AT MCEVER ROAD, NEAR GAINESVILLE, GA--Continued (GEORGIA EPD ID 12038501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
09...	1045	EST	81341	--	3.0	10.1	96	7.3	7.3	700	709	13.8	11.7
16...	1015	EST	81213	--	--	10.9	97	7.3	7.6	647	682	5.9	9.3
30...	1555	EST	81213	E22	--	12.2	113	6.7	7.4	364	351	7.9	10.4
FEB													
04...	1615	EST	81341	--	26	9.1	90	7.4	7.3	460	440	10.0	13.1
MAR													
13...	1030	EST	81341	E16	5.7	10.2	106	7.3	7.2	610	624	21.0	15.5
APR													
10...	0945	EST	81341	--	20	10.7	104	7.1	7.0	340	342	9.0	12.3
MAY													
30...	1030	EST	81341	E13	4.6	8.3	92	6.9	7.2	620	619	25.6	19.0
JUN													
05...	1415	EST	81213	E14	--	8.1	99	7.3	7.5	675	707	27.9	22.7
12...	1000	EST	81213	--	--	7.7	91	7.0	7.5	619	631	25.2	22.5
19...	1015	EST	81341	24	14	7.8	93	6.8	7.0	450	453	27.9	22.4
JUL													
24...	1000	EST	81213	18	--	7.5	90	6.9	7.3	679	696	20.0	22.8
31...	1045	EST	81341	48	110	7.3	88	6.7	6.7	150	142	25.9	23.4
AUG													
07...	1000	EST	81213	21	--	7.5	92	6.9	7.3	533	547	24.5	23.7
14...	1030	EST	81341	21	4.4	7.5	92	7.0	7.1	720	732	26.5	24.4
SEP													
04...	1200	EST	81341	17	4.5	7.0	89	7.2	7.3	670	691	26.4	25.8
OCT													
23...	1030	EST	81341	17	1.9	7.6	84	7.3	7.4	760	774	14.7	18.5
NOV													
20...	1100	EST	81341	23	8.3	8.5	91	7.1	7.2	550	564	14.2	16.7
DEC													
03...	1310	EST	81213	17	--	10.8	106	7.3	7.5	636	637	5.9	13.5
11...	1015	EST	81341	20	12	9.6	93	7.2	7.2	560	587	6.4	12.2
17...	1240	EST	81213	21	--	10.8	103	7.5	7.5	489	488	6.7	11.5

02334140 FLAT CREEK AT MCEVER ROAD, NEAR GAINESVILLE, GA--Continued (GEORGIA EPD ID 12038501)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
09...	63	5	.050	11.0	.180	5.9	2.0	490
16...	--	--	--	--	--	--	--	170
30...	--	--	--	--	--	--	--	9200
FEB								
04...	54	27	.150	3.60	.300	5.0	3.8	2300
MAR								
13...	61	13	.040	9.20	.240	5.0	<2.0	--
APR								
10...	44	24	.140	4.20	.180	3.9	2.9	--
MAY								
30...	47	5	.040	12.0	.150	8.2	<2.0	700
JUN								
05...	--	--	--	--	--	--	--	2400
12...	--	--	--	--	--	--	--	3500
19...	39	16	.040	6.80	.190	7.5	<2.0	4900
JUL								
24...	--	--	--	--	--	--	--	2400
31...	16	180	.170	2.00	.340	7.2	5.8	200000
AUG								
07...	--	--	--	--	--	--	--	2800
14...	37	8	.070	19.0	.230	6.1	<2.0	1700
SEP								
04...	36	5	.040	15.0	.150	5.6	<2.0	--
OCT								
23...	60	2	.040	10.0	.200	8.0	<2.0	--
NOV								
20...	38	9	<.030	9.00	.100	5.7	<2.0	3300
DEC								
03...	--	--	--	--	--	--	--	130
11...	45	8	<.030	9.00	.170	5.1	<2.0	1100
17...	--	--	--	--	--	--	--	1100

Remark codes used in this report:
< -- Less than
E -- Estimated value

APALACHICOLA RIVER BASIN
2003 Calendar Year

02338500 CHATTAHOOCHEE RIVER US HIGHWAY 27, AT FRANKLIN, GA (GEORGIA EPD ID 12170001)

LOCATION.--Lat 33º16'45", long 85º06'00" (referenced to North American Datum (NAD) of 1927), Heard County, Hydrologic Unit 03130002, at the bridge on US Highway 27, 1.0 mile downstream from confluence with Centralhatchee Creek, 2.0 miles upstream from confluence with Hillabahatchee Creek, 0.2 mile southwest of Franklin, and at mile 235.5.

DRAINAGE AREA.--2,680 square miles, approximately.

ELEVATION.--623.86 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1975 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharges for the samples collected October–December 2003 are still "provisional" as of publication date and are available upon request.

02338500 CHATTAHOOCHEE RIVER US HIGHWAY 27, AT FRANKLIN, GA--Continued (GEORGIA EPD ID 12170001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- tance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
21...	0700	EST	81341	E2650	4.5	10.7	95	7.4	7.1	170	150	12.5	10.0
FEB													
10...	0645	EST	81213	E3810	--	11.8	106	7.2	7.4	95	99	6.2	9.6
12...	0700	EST	81341	E4110	18	10.3	91	7.2	7.0	110	104	.9	9.7
18...	0630	EST	81213	E5970	--	10.1	90	7.1	--	--	96	1.0	9.9
MAR													
04...	0705	EST	81341	E7390	28	10.6	95	7.0	6.8	87	84	1.3	10.0
06...	0715	EST	81213	E13600	--	10.4	99	7.0	7.0	85	79	16.9	12.4
APR													
22...	0545	EST	81341	E3750	7.3	7.9	87	6.8	7.1	110	113	11.1	19.4
MAY													
20...	0550	EST	81341	E9650	80	8.9	94	6.1	6.6	65	64	15.3	17.7
JUN													
02...	0515	EST	81213	E3060	--	7.5	87	6.8	7.4	112	114	10.8	21.9
04...	0520	EST	81213	E7730	--	7.4	87	6.7	7.4	125	125	20.9	22.6
10...	1045	EST	81341	E4300	34	7.3	89	6.8	6.9	84	87	27.7	24.4
JUL													
08...	0615	EST	81341	E10700	29	8.5	93	6.5	6.8	74	69	20.9	19.5
AUG													
19...	1000	EST	81341	E4310	17	7.2	90	7.0	7.2	100	101	29.0	26.1
25...	1130	EST	81213	E2580	--	7.5	94	6.7	7.4	95	97	31.6	26.1
27...	1200	EST	81213	E4230	--	7.2	96	6.9	7.4	143	145	35.8	29.4
SEP													
03...	1045	EST	81341	E2280	6.1	7.3	95	7.0	7.4	130	128	32.1	28.0
OCT													
01...	0700	EST	81341	--	13	7.6	84	7.3	7.2	130	132	9.3	19.9
NOV													
12...	0620	EST	81341	--	9.5	8.1	85	7.3	7.2	150	146	8.5	16.9
17...	0840	EST	81213	--	--	10.9	111	7.0	7.4	112	121	18.3	15.4
19...	0835	EST	81213	--	--	9.6	103	6.7	7.1	110	110	16.4	17.9
DEC													
02...	1200	EST	81341	--	13	--	--	6.8	7.1	110	107	15.6	10.4
22...	0935	EST	81341	--	8.0	--	--	7.8	6.9	92	94	6.8	7.5

02338500 CHATTAHOOCHEE RIVER US HIGHWAY 27, AT FRANKLIN, GA--Continued (GEORGIA EPD ID 12170001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Organic nitro-gen, water, unfltrd mg/L (00605)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN										
21...	27	5	.24	<.030	1.80	--	.030	2.3	<2.0	--
FEB										
10...	--	--	--	--	--	--	--	--	--	230
12...	22	25	.35	.080	.940	.27	.070	2.6	<2.0	330
18...	--	--	--	--	--	--	--	--	--	--
MAR										
04...	17	86	.25	.040	.720	.21	.080	3.6	<2.0	110
06...	--	--	--	--	--	--	--	--	--	5400
APR										
22...	25	12	.27	.050	1.20	.22	.040	2.2	<2.0	--
MAY										
20...	14	150	.78	.050	.510	.73	.130	5.6	<2.0	2300
JUN										
02...	--	--	--	--	--	--	--	--	--	80
04...	--	--	--	--	--	--	--	--	--	170
10...	17	64	.40	.040	.760	.36	.080	4.8	<2.0	490
JUL										
08...	16	65	.28	<.030	.770	--	.060	5.0	<2.0	--
AUG										
19...	22	31	.36	.030	1.10	.33	.050	2.6	<2.0	310
25...	--	--	--	--	--	--	--	--	--	<20
27...	--	--	--	--	--	--	--	--	--	170
SEP										
03...	26	7	.30	<.030	1.50	--	.030	3.8	<2.0	80
OCT										
01...	27	19	.32	<.030	1.40	--	.040	2.7	<2.0	--
NOV										
12...	27	17	.33	.040	1.60	.29	.050	6.2	<2.0	110
17...	--	--	--	--	--	--	--	--	--	170
19...	--	--	--	--	--	--	--	--	--	13000
DEC										
02...	17	15	.29	<.030	1.40	--	.040	4.1	<2.0	230
22...	20	9	.00	<.030	.950	--	.030	4.2	<2.0	110

Remark codes used in this report:
< -- Less than
E -- Estimated value

APALACHICOLA RIVER BASIN
2003 Calendar Year

02338660 NEW RIVER AT GEORGIA HIGHWAY 100, NEAR CORINTH, GA (GEORGIA EPD ID 12174301)

LOCATION.--Lat 33º14'07", long 84º59'16" (referenced to North American Datum (NAD) of 1927), Heard County, Hydrologic Unit 03130002, at the bridge on Georgia Highway 100, 1.7 miles downstream from confluence with Caney Creek, 3.9 miles downstream from confluence with Mountain Creek, 8.1 miles upstream from confluence with Chattahoochee River, and 2.5 miles west of Corinth.

DRAINAGE AREA.--127 square miles.

ELEVATION.--634.68 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1995 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharges for the samples collected October–December 2003 are still "provisional" as of publication date and are available upon request.

02338660 NEW RIVER AT GEORGIA HIGHWAY 100, NEAR CORINTH, GA--Continued (GEORGIA EPD ID 12174301)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
21...	0745	EST	81341	64	5.8	11.6	93	7.0	6.7	110	96	11.8	5.7
FEB													
10...	0730	EST	81213	174	--	10.6	91	6.8	7.2	64	66	5.5	7.8
12...	0745	EST	81341	195	18	10.8	88	6.8	6.5	71	65	-1.0	6.5
18...	0715	EST	81213	172	--	9.1	75	6.8	--	--	75	1.2	7.0
MAR													
04...	0750	EST	81341	111	11	10.0	88	6.8	6.6	75	71	1.0	8.9
06...	0800	EST	81213	258	--	9.3	85	6.7	7.2	58	61	16.2	10.3
APR													
22...	0635	EST	81341	121	15	7.8	82	6.5	6.7	68	71	6.9	17.0
MAY													
20...	0645	EST	81341	227	20	7.1	76	6.0	6.6	64	64	15.3	18.8
JUN													
02...	0550	EST	81213	86	--	6.9	75	6.5	7.1	79	81	9.6	19.1
04...	0555	EST	81213	153	--	7.2	82	6.4	7.1	75	76	20.5	20.7
10...	1140	EST	81341	120	25	7.5	87	6.8	6.8	71	72	32.5	21.8
JUL													
08...	0700	EST	81341	176	16	6.1	73	6.2	6.6	65	61	20.5	24.3
AUG													
19...	0830	EST	81341	90	13	7.0	84	6.7	7.0	87	89	26.0	24.1
25...	1200	EST	81213	46	--	7.0	86	6.8	7.3	100	103	32.5	25.4
27...	1240	EST	81213	41	--	7.3	90	6.9	7.7	102	106	35.2	25.4
SEP													
03...	1150	EST	81341	34	9.5	7.2	88	7.0	7.3	120	116	32.9	24.4
OCT													
01...	0745	EST	81341	--	8.0	7.8	77	7.2	6.9	110	106	8.8	14.2
NOV													
12...	0730	EST	81341	--	7.7	8.0	78	7.0	6.9	110	106	7.1	13.6
17...	0910	EST	81213	--	--	9.7	95	7.1	7.2	107	109	22.7	14.0
19...	0905	EST	81213	--	--	7.3	78	6.5	6.4	57	60	17.6	17.2
DEC													
02...	1305	EST	81341	--	12	13.3	111	7.0	7.0	86	78	18.9	7.6
22...	1050	EST	81341	--	7.6	12.4	94	7.3	6.8	75	78	7.4	3.2

02338660 NEW RIVER AT GEORGIA HIGHWAY 100, NEAR CORINTH, GA--Continued (GEORGIA EPD ID 12174301)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
21...	16	2	.040	1.10	<.020	2.4	<2.0	--
FEB								
10...	--	--	--	--	--	--	--	490
12...	11	11	<.030	.420	.040	2.5	<2.0	90
18...	--	--	--	--	--	--	--	--
MAR								
04...	15	8	<.030	.340	.020	3.2	<2.0	65
06...	--	--	--	--	--	--	--	3500
APR								
22...	20	17	.060	.300	.040	3.2	<2.0	--
MAY								
20...	20	20	.060	.220	.040	6.1	<2.0	70
JUN								
02...	--	--	--	--	--	--	--	1300
04...	--	--	--	--	--	--	--	70
10...	7	51	.110	.260	.030	5.0	<2.0	195
JUL								
08...	21	15	.040	.180	.030	6.5	<2.0	--
AUG								
19...	26	9	<.030	.380	.030	3.6	<2.0	460
25...	--	--	--	--	--	--	--	198
27...	--	--	--	--	--	--	--	1100
SEP								
03...	30	5	.040	.840	<.020	3.8	<2.0	230
OCT								
01...	28	4	<.030	.750	<.020	2.8	<2.0	--
NOV								
12...	26	3	<.030	.760	<.020	5.2	<2.0	110
17...	--	--	--	--	--	--	--	80
19...	--	--	--	--	--	--	--	9400
DEC								
02...	18	6	.030	.450	.020	3.9	<2.0	130
22...	20	5	<.030	.740	.020	4.1	<2.0	80

Remark codes used in this report:
< -- Less than

APALACHICOLA RIVER BASIN
2003 Calendar Year

02338720 CHATTAHOOCHEE RIVER NEAR LAGRANGE, GA (GEORGIA EPD ID 12180001)

LOCATION.--Lat 33º04'42", long 85º06'39" (referenced to North American Datum (NAD) of 1927), Troup County, Hydrologic Unit 03130002, at the City of LaGrange Water Intake, in backwater from West Point Lake impoundment, 1.2 miles upstream from Yellowjacket Creek, and 5.3 miles northwest of LaGrange.

DRAINAGE AREA.--3,010 square miles, approximately.

ELEVATION.--600 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1974 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

02338720 CHATTAHOOCHEE RIVER NEAR LAGRANGE, GA--Continued (GEORGIA EPD ID 12180001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-tance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)
JAN													
21...	0915	EST	81341	6.5	5.0	42	7.4	7.2	140	129	12.4	7.7	26
FEB													
10...	0900	EST	81213	--	9.6	87	7.2	7.6	113	114	7.0	10.2	--
12...	0940	EST	81341	13	7.9	71	7.1	7.0	120	109	5.9	10.1	23
18...	0900	EST	81213	--	8.0	73	7.1	--	--	104	1.0	10.8	--
MAR													
04...	0900	EST	81341	13	9.0	81	7.0	6.9	93	89	10.0	10.2	17
06...	0915	EST	81213	--	10.0	94	7.0	7.4	77	79	15.2	11.9	--
APR													
22...	0805	EST	81341	3.7	8.2	91	6.9	7.2	110	109	13.4	20.3	24
MAY													
20...	0835	EST	81341	32	6.7	72	6.1	6.7	71	70	16.4	18.9	16
JUN													
02...	0745	EST	81213	--	8.2	96	6.9	7.4	74	73	17.1	22.7	--
04...	0730	EST	81213	--	8.4	101	6.9	7.3	74	73	21.8	23.7	--
10...	1325	EST	81341	10	10.2	135	8.5	7.0	94	97	33.5	29.0	7
JUL													
08...	0900	EST	81341	23	8.2	103	6.8	7.1	63	58	24.4	26.8	13
AUG													
19...	1200	EST	81341	2.8	9.1	124	8.5	8.3	96	99	29.8	30.8	24
25...	1315	EST	81213	--	11.1	151	9.1	9.0	97	102	33.6	31.0	--
27...	1440	EST	81213	--	11.2	157	9.2	8.8	97	105	34.6	32.8	--
SEP													
03...	1420	EST	81341	2.5	10.0	138	9.0	8.5	100	108	33.6	31.5	25
OCT													
01...	0915	EST	81341	5.3	6.0	71	7.3	7.2	120	114	12.5	23.6	26
NOV													
12...	0900	EST	81341	4.0	7.3	79	7.1	7.1	130	123	16.7	18.9	26
17...	1025	EST	81213	--	10.1	108	7.3	7.5	122	122	24.4	18.0	--
19...	1025	EST	81213	--	9.8	105	7.0	7.5	117	118	16.2	17.5	--
DEC													
02...	1455	EST	81341	22	11.6	109	7.0	7.0	95	86	16.6	12.6	20
22...	1310	EST	81341	15	10.7	92	7.4	6.9	93	93	14.0	8.3	20

02338720 CHATTAHOOCHEE RIVER NEAR LAGRANGE, GA--Continued (GEORGIA EPD ID 12180001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Organic nitro-gen, water, unfltrd mg/L (00605)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN									
21...	5	.31	<.030	1.60	--	.030	2.5	<2.0	--
FEB									
10...	--	--	--	--	--	--	--	--	<20
12...	18	.34	.060	1.00	.28	.050	2.4	<2.0	20
18...	--	--	--	--	--	--	--	--	--
MAR									
04...	9	.18	.060	.860	.12	.050	2.0	<2.0	170
06...	--	--	--	--	--	--	--	--	40
APR									
22...	4	.25	<.030	1.10	--	.020	2.0	<2.0	--
MAY									
20...	18	.40	.060	.620	.34	.050	4.5	<2.0	790
JUN									
02...	--	--	--	--	--	--	--	--	<20
04...	--	--	--	--	--	--	--	--	<20
10...	8	.34	<.030	.820	--	.020	4.4	<2.0	<20
JUL									
08...	13	.46	<.030	.380	--	.050	5.2	<2.0	--
AUG									
19...	4	.36	<.030	.800	--	.020	3.3	<2.0	<20
25...	--	--	--	--	--	--	--	--	<20
27...	--	--	--	--	--	--	--	--	<20
SEP									
03...	3	.46	.050	.880	.41	.030	3.8	<2.0	<20
OCT									
01...	7	.47	.040	1.00	.43	.020	2.8	<2.0	--
NOV									
12...	4	.31	<.030	1.30	--	.030	4.6	<2.0	<20
17...	--	--	--	--	--	--	--	--	60
19...	--	--	--	--	--	--	--	--	<20
DEC									
02...	12	.30	.050	.790	.25	.040	3.8	<2.0	170
22...	11	.00	.030	.920	--	.040	3.6	<2.0	50

Remark codes used in this report:
< -- Less than

APALACHICOLA RIVER BASIN
2003 Calendar Year

02338840 YELLOWJACKET CREEK AT HAMMETT ROAD, NEAR HOGANSVILLE, GA (GEORGIA EPD ID 12181601)

LOCATION.--Lat 33º08'22", long 84º58'31" (referenced to North American Datum (NAD) of 1927), Troup County, Hydrologic Unit 03130002, at the bridge on Hammett Road, 0.7 mile downstream from confluence with Flat Creek, 6.9 miles upstream from confluence with Beech Creek, and 5.8 miles southwest of Hogansville.

DRAINAGE AREA.--91.0 square miles.

ELEVATION.--640.93 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORD

PERIOD OF RECORD.--April 1995 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: November 1978 to September 1982.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

02338840 YELLOWJACKET CREEK AT HAMMETT ROAD, NEAR HOGANSVILLE, GA--Continued

(GEORGIA EPD ID 12181601)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)
JAN													
21...	0815	EST	81341	38	9.7	11.6	95	7.0	6.8	68	56	13.0	6.6
FEB													
10...	0800	EST	81213	147	--	10.8	93	6.9	7.2	50	49	6.3	8.0
12...	0835	EST	81341	102	17	10.9	89	6.9	6.6	57	50	-1.0	6.4
18...	0745	EST	81213	111	--	10.8	89	6.8	--	--	48	.8	7.0
MAR													
04...	0820	EST	81341	73	10	10.1	88	6.8	6.6	57	59	3.1	8.8
06...	0830	EST	81213	445	--	9.1	89	6.6	6.8	43	40	16.9	13.8
APR													
22...	0715	EST	81341	72	19	8.1	84	6.4	6.7	52	55	8.7	16.2
MAY													
20...	0730	EST	81341	191	29	7.7	83	6.0	6.5	48	47	15.5	18.5
JUN													
02...	0630	EST	81213	58	--	7.5	82	6.4	7.1	55	54	11.0	18.8
04...	0630	EST	81213	101	--	7.8	89	6.3	7.1	52	52	20.9	20.9
10...	1225	EST	81341	142	22	7.8	93	6.4	6.6	49	51	32.2	22.7
JUL													
08...	0750	EST	81341	114	17	6.8	81	6.2	6.6	56	52	21.5	23.6
AUG													
19...	1100	EST	81341	43	11	7.3	91	6.7	7.1	66	66	32.0	25.4
25...	1230	EST	81213	34	--	7.4	94	6.8	7.2	65	68	31.7	27.0
27...	1305	EST	81213	32	--	7.4	95	6.8	7.5	67	69	34.7	27.6
SEP													
03...	1225	EST	81341	28	10	7.6	95	6.9	7.1	70	71	32.6	25.9
OCT													
01...	0815	EST	81341	27	11	8.5	84	7.1	6.9	65	64	6.7	14.7
NOV													
12...	0815	EST	81341	35	12	8.9	86	7.1	6.9	66	63	8.5	13.2
17...	0940	EST	81213	33	--	10.1	100	7.1	7.2	64	65	23.4	14.6
19...	0940	EST	81213	581	--	8.3	88	6.5	6.6	45	47	16.3	17.3
DEC													
02...	1345	EST	81341	42	10	12.8	111	7.1	7.0	66	58	21.2	8.8
22...	1135	EST	81341	49	9.0	12.4	96	7.3	6.8	57	59	15.4	4.3

02338840 YELLOWJACKET CREEK AT HAMMETT ROAD, NEAR HOGANSVILLE, GA--Continued

(GEORGIA EPD ID 12181601)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
21...	21	8	.040	.180	<.020	2.0	<2.0	--
FEB								
10...	--	--	--	--	--	--	--	1300
12...	13	12	<.030	.240	.030	1.8	<2.0	230
18...	--	--	--	--	--	--	--	--
MAR								
04...	17	9	<.030	.200	.020	<1.0	<2.0	130
06...	--	--	--	--	--	--	--	3500
APR								
22...	21	26	.050	.140	.020	2.4	<2.0	--
MAY								
20...	17	26	.050	.140	.030	5.2	<2.0	110
JUN								
02...	--	--	--	--	--	--	--	1300
04...	--	--	--	--	--	--	--	40
10...	7	26	<.030	.140	<.020	4.4	<2.0	170
JUL								
08...	21	28	<.030	.130	.020	5.4	<2.0	--
AUG								
19...	27	9	<.030	.120	<.020	2.6	<2.0	70
25...	--	--	--	--	--	--	--	70
27...	--	--	--	--	--	--	--	110
SEP								
03...	29	7	.040	.160	<.020	2.7	<2.0	490
OCT								
01...	27	12	.030	.120	<.020	1.9	<2.0	--
NOV								
12...	25	10	<.030	.110	<.020	4.6	<2.0	130
17...	--	--	--	--	--	--	--	260
19...	--	--	--	--	--	--	--	17000
DEC								
02...	22	6	<.030	.140	<.020	2.6	<2.0	310
22...	21	3	.030	.170	<.020	3.3	<2.0	70

Remark codes used in this report:
< -- Less than

APALACHICOLA RIVER BASIN
2003 Calendar Year

02342881 CHATTAHOOCHEE RIVER AT GEORGIA HIGHWAY 39 SPUR, NEAR OMAHA, GA

(GEORGIA EPD ID 12219001)

LOCATION.--Lat 32°08'32", long 85°02'47" (referenced to North American Datum (NAD) of 1927), Stewart County, GA-Russell County, AL, Hydrologic Unit 03130003, at the bridge on Georgia Highway 39 Spur, 0.4 mile downstream from Seaboard Coast Line Railroad bridge, 2.2 miles downstream from confluence with Hannahatchee Creek, 2.4 miles southwest of Omaha, and at mile 119.7.

DRAINAGE AREA.--6,060 square miles.

ELEVATION.--200 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1997 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

02342881 CHATTAHOOCHEE RIVER AT GEORGIA HIGHWAY 39 SPUR, NEAR OMAHA, GA--Continued

(GEORGIA EPD ID 12219001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Color, water, fltrd, Pt-Co units (00080)	Tur-bidity, NTU (00076)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc-tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)
JAN													
21...	1220	EST	81341	16.31	20	8.9	11.6	98	7.3	7.2	120	112	20.0
FEB													
10...	1530	EST	81213	--	--	--	10.5	93	7.2	7.2	89	88	14.1
11...	1545	EST	81213	17.99	--	--	10.5	92	7.2	7.1	85	85	15.4
18...	1215	EST	81341	18.83	50	44	9.2	83	7.1	6.9	84	80	8.0
MAR													
04...	1130	EST	81341	16.26	30	16	10.2	94	7.0	7.0	99	97	--
APR													
16...	1115	EST	81341	17.80	60	18	8.5	91	6.8	6.7	66	70	25.3
MAY													
14...	1115	EST	81341	18.25	60	29	7.8	91	6.9	6.8	70	72	20.4
20...	1000	EST	81213	--	--	--	8.3	97	7.1	--	--	66	20.9
JUN													
03...	1130	EST	81341	18.73	30	5.9	8.8	109	7.1	7.1	64	65	28.3
10...	0800	EST	81213	18.61	--	--	8.8	105	7.0	7.2	68	69	29.9
JUL													
08...	1020	EST	81341	18.76	50	14	10.2	126	6.8	6.8	61	62	30.0
22...	0950	EST	81213	18.88	--	--	8.8	114	7.0	7.1	75	76	30.0
29...	1030	EST	81213	18.86	--	--	6.5	84	7.0	7.1	67	68	31.0
AUG													
05...	0955	EST	81341	17.86	40	10	10.9	140	6.9	6.8	73	70	23.5
SEP													
09...	0910	EST	81341	18.01	60	7.1	6.2	80	6.8	7.2	97	96	23.5
OCT													
07...	1000	EST	81341	17.69	20	6.7	7.6	91	6.6	6.9	89	88	22.0
NOV													
18...	1100	EST	81341	17.01	10	6.9	9.4	102	6.5	7.2	110	105	25.4
DEC													
02...	1115	EST	81213	17.16	--	--	10.6	102	6.9	7.3	98	99	10.0
09...	1115	EST	81341	16.43	10	5.7	11.0	103	6.8	7.2	100	102	16.0
16...	1030	EST	81213	17.01	--	--	13.0	118	7.1	7.3	92	92	11.5

02342881 CHATTAHOOCHEE RIVER AT GEORGIA HIGHWAY 39 SPUR, NEAR OMAHA, GA—Continued

(GEORGIA EPD ID 12219001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Temperature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Organic nitrogen, water, unfltrd mg/L (00605)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coliform, ECbroth water, MPN/ 100 mL (31615)
JAN										
21...	7.9	23	.37	.110	.830	.26	.050	3.3	<2.0	--
FEB										
10...	9.7	--	--	--	--	--	--	--	--	130
11...	9.7	--	--	--	--	--	--	--	--	90
18...	11.3	12	.39	.050	.480	.34	.080	5.0	<2.0	1300
MAR										
04...	11.5	16	.27	.040	.680	.23	.040	2.6	<2.0	70
APR										
16...	18.2	13	.37	.100	.360	.27	.040	3.5	<2.0	--
MAY										
14...	22.6	14	.46	.140	.410	.32	.040	4.1	<2.0	70
20...	23.0	--	--	--	--	--	--	--	--	790
JUN										
03...	25.1	15	.34	.030	.360	.31	.030	5.0	<2.0	40
10...	24.1	--	--	--	--	--	--	--	--	20
JUL										
08...	26.4	14	.10	.040	.370	.06	.030	4.9	<2.0	40
22...	27.8	--	--	--	--	--	--	--	--	<20
29...	28.3	--	--	--	--	--	--	--	--	50
AUG										
05...	27.5	15	.24	.030	.470	.21	.030	3.7	<2.0	330
SEP										
09...	28.4	33	.39	.040	.370	.35	.030	6.7	<2.0	--
OCT										
07...	23.4	20	.44	.030	.420	.41	.030	3.3	<2.0	--
NOV										
18...	19.1	21	.34	<.030	.670	--	.040	4.3	<2.0	<20
DEC										
02...	13.8	--	--	--	--	--	--	--	--	170
09...	12.0	22	.00	<.030	.850	--	.030	3.2	<2.0	65
16...	10.5	--	--	--	--	--	--	--	--	330

Remark codes used in this report:
< -- Less than

APALACHICOLA RIVER BASIN
2003 Calendar Year

02344040 CHATTAHOOCHEE RIVER AT GEORGIA HIGHWAY 91, NEAR STEAM MILL, GA

(GEORGIA EPD ID 12230001)

LOCATION.--Lat 30º58'39", long 85º00'19" (referenced to North American Datum (NAD) of 1927), Seminole County, GA- Jackson County, FL, Hydrologic Unit 03130004, at the Herman E. Talmadge Bridge on Georgia Highway 91, 2.0 miles northwest of Steam Mill, and at mile 23.7.

DRAINAGE AREA.--8,510 square miles.

ELEVATION.--60 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Color, water, fltrd, Pt-Co units (00080)	Tur-bidity, NTU (00076)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc-tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)
JAN													
22...	1500	EST	81341	20	6.5	12.2	108	7.4	7.5	140	128	21.5	9.8
FEB													
11...	0930	EST	81213	--	--	11.4	103	7.6	7.4	142	130	6.9	11.0
12...	0940	EST	81213	--	--	11.4	102	7.9	7.4	135	127	12.2	10.9
19...	1330	EST	81341	20	8.5	11.5	105	7.4	7.4	120	112	20.0	11.5
MAR													
05...	1230	EST	81341	30	9.8	12.4	119	6.9	7.1	99	98	--	13.6
APR													
15...	1335	EST	81341	70	6.7	9.0	99	7.2	7.2	120	129	27.4	20.3
MAY													
13...	1300	EST	81341	20	11	8.3	101	7.2	7.0	80	81	30.1	25.2
21...	1000	EST	81213	--	--	7.9	93	7.1	--	--	72	24.2	23.9
JUN													
04...	1120	EST	81341	20	4.9	7.8	96	7.1	6.9	93	98	30.0	25.9
11...	0700	EST	81213	--	--	7.0	87	7.1	7.2	74	76	28.9	26.2
JUL													
09...	1000	EST	81341	40	11	9.5	120	7.3	6.9	77	75	32.0	27.5
23...	0955	EST	81213	--	--	6.7	84	7.3	6.9	69	71	25.7	27.1
30...	1000	EST	81213	--	--	10.9	139	7.2	6.9	69	71	27.0	27.9
AUG													
06...	0900	EST	81341	50	10	7.9	98	7.0	6.7	96	97	27.5	26.4
SEP													
10...	1010	EST	81341	30	5.3	6.7	84	7.1	6.9	83	85	26.5	27.6
OCT													
08...	1045	EST	81341	40	4.1	6.8	81	7.4	7.1	130	123	22.5	24.4
NOV													
19...	1100	EST	81341	20	2.8	9.3	103	7.3	7.2	110	108	19.5	19.9
DEC													
03...	1100	EST	81213	--	--	11.6	115	7.7	7.4	100	98	14.5	15.2
10...	1100	EST	81341	20	4.8	11.6	115	7.5	7.2	130	128	16.5	14.0
17...	1115	EST	81213	--	--	12.3	115	7.6	7.5	110	108	16.0	12.2

APALACHICOLA RIVER BASIN
2003 Calendar Year

02344040 CHATTAHOOCHEE RIVER AT GEORGIA HIGHWAY 91, NEAR STEAM MILL, GA—Continued

(GEORGIA EPD ID 12230001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Organic nitro-gen, water, unfltrd mg/L (00605)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN										
22...	31	9	.35	<.030	.800	--	.030	4.3	<2.0	--
FEB										
11...	--	--	--	--	--	--	--	--	--	130
12...	--	--	--	--	--	--	--	--	--	20
19...	25	17	.25	<.030	.640	--	.030	5.0	<2.0	50
MAR										
05...	22	9	.34	.040	.580	.30	.040	3.0	<2.0	<20
APR										
15...	32	7	.43	.090	.560	.34	.020	5.0	<2.0	--
MAY										
13...	20	17	.44	<.030	.310	--	.030	4.0	2.5	<20
21...	--	--	--	--	--	--	--	--	--	170
JUN										
04...	24	3	.24	.040	.530	.20	.030	5.0	<2.0	<20
11...	--	--	--	--	--	--	--	--	--	<20
JUL										
09...	20	13	.31	.070	.370	.24	.030	5.2	<2.0	80
23...	--	--	--	--	--	--	--	--	--	50
30...	--	--	--	--	--	--	--	--	--	130
AUG										
06...	25	7	.48	.090	.440	.39	.040	6.8	<2.0	110
SEP										
10...	24	2	.36	.070	.340	.29	<.020	6.9	<2.0	--
OCT										
08...	33	3	.55	.040	.370	.51	.050	8.1	<2.0	--
NOV										
19...	29	4	.28	<.030	.480	--	.030	5.4	<2.0	80
DEC										
03...	--	--	--	--	--	--	--	--	--	<20
10...	29	5	.00	<.030	.580	--	.040	4.9	<2.0	20
17...	--	--	--	--	--	--	--	--	--	<20

Remark codes used in this report:
< -- Less than

APALACHICOLA RIVER BASIN
2003 Calendar Year

02344400 FLINT RIVER AT GEORGIA HIGHWAY 92, ABOVE GRIFFIN, GA (GEORGIA EPD ID 11018001)

LOCATION.--Lat 33º18'33", long 84º23'36" (referenced to North American Datum (NAD) of 1927), Spalding-Fayette County line, Hydrologic Unit 03130005, at the bridge on Georgia Highway 92, 3.4 miles upstream from Central of Georgia Railroad bridge, 8.5 miles northwest of Griffin, and at mile 313.2.

DRAINAGE AREA.--194 square miles.

ELEVATION.--740 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1975 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
21...	1045	EST	81341	68	8.5	6.2	50	7.1	7.0	98	86	16.5	6.2
FEB													
10...	1005	EST	81213	230	--	10.1	85	6.8	7.2	59	57	10.1	7.5
12...	1035	EST	81341	>326	33	12.0	100	6.8	6.6	63	53	12.1	7.2
18...	1015	EST	81213	>326	--	11.0	90	6.8	--	--	56	2.3	6.6
MAR													
04...	1040	EST	81341	121	28	9.3	83	6.9	6.9	76	71	14.5	10.0
06...	1100	EST	81213	>326	--	8.8	85	6.7	7.1	55	48	15.9	13.3
APR													
22...	0940	EST	81341	116	18	7.2	76	6.5	6.9	75	79	16.4	17.3
MAY													
20...	0950	EST	81341	>326	60	6.5	69	5.8	6.4	54	52	17.4	18.2
JUN													
02...	0915	EST	81213	80	--	6.4	72	6.6	7.3	84	84	21.4	20.3
04...	0900	EST	81213	116	--	6.4	73	6.5	7.2	81	82	24.0	21.2
10...	1535	EST	81341	144	23	6.5	79	6.8	6.6	70	70	30.4	23.8
JUL													
08...	1030	EST	81341	>326	34	5.6	67	6.2	6.5	63	60	28.7	24.3
AUG													
19...	1545	EST	81341	55	23	6.7	85	6.9	7.1	92	87	28.1	26.9
25...	1530	EST	81213	105	--	6.5	83	7.0	7.4	92	97	30.9	26.8
27...	1700	EST	81213	29	--	6.5	83	7.2	7.5	82	86	34.0	26.9
SEP													
03...	1535	EST	81341	41	18	6.4	81	7.2	7.2	85	87	31.3	26.3
OCT													
01...	1055	EST	81341	15	17	6.7	70	7.1	6.9	91	91	18.5	17.0
NOV													
12...	1100	EST	81341	51	16	7.8	77	6.9	7.0	94	91	22.0	14.1
17...	1225	EST	81213	52	--	9.3	92	7.2	7.3	93	95	26.1	14.3
19...	1235	EST	81213	135	--	7.9	84	6.7	7.2	86	89	20.7	16.8
DEC													
02...	1720	EST	81341	86	21	12.6	108	7.3	7.0	81	73	--	8.4
22...	1615	EST	81341	68	12	12.6	99	7.4	6.9	82	82	16.8	4.9

02344400 FLINT RIVER AT GEORGIA HIGHWAY 92, ABOVE GRIFFIN, GA--Continued (GEORGIA EPD ID 11018001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Organic nitro-gen, water, unfltrd mg/L (00605)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, low level, water, unfltrd mg/L (00335)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN											
21...	25	2	.18	<.030	.430	--	.030	2.9	<2.0	<10	--
FEB											
10...	--	--	--	--	--	--	--	--	--	--	270
12...	12	10	.23	<.030	.230	--	.060	3.6	<2.0	32	700
18...	--	--	--	--	--	--	--	--	--	--	--
MAR											
04...	17	5	.11	.030	.280	.08	.040	2.4	<2.0	<10	80
06...	--	--	--	--	--	--	--	--	--	--	5400
APR											
22...	28	13	.31	.070	.290	.24	.050	3.6	<2.0	<10	--
MAY											
20...	14	22	.53	.080	.240	.45	.080	7.3	<2.0	30	1700
JUN											
02...	--	--	--	--	--	--	--	--	--	--	<20
04...	--	--	--	--	--	--	--	--	--	--	20
10...	7	15	.55	.100	.130	.45	.040	8.3	<2.0	53	300
JUL											
08...	20	24	.23	.040	.180	.19	.060	7.9	<2.0	21	--
AUG											
19...	35	22	.54	<.030	.150	--	.060	5.9	2.4	28	80
25...	--	--	--	--	--	--	--	--	--	--	330
27...	--	--	--	--	--	--	--	--	--	--	80
SEP											
03...	28	10	.34	<.030	.260	--	.040	4.3	<2.0	<10	120
OCT											
01...	29	11	.54	.030	.270	.51	.040	3.4	<2.0	20	--
NOV											
12...	32	9	.29	<.030	.130	--	.040	7.0	<2.0	20	80
17...	--	--	--	--	--	--	--	--	--	--	330
19...	--	--	--	--	--	--	--	--	--	--	2400
DEC											
02...	21	3	.27	<.030	.190	--	.040	5.1	<2.0	<10	90
22...	24	5	.00	<.030	.330	--	.030	4.8	<2.0	11	110

Remark codes used in this report:
< -- Less than
> -- Greater than

APALACHICOLA RIVER BASIN
2003 Calendar Year

02349605 FLINT RIVER AT GEORGIA HIGHWAY 26, AT MONTEZUMA, GA (GEORGIA EPD ID 11060011)

LOCATION.--Lat 32º17'35", long 84º02'37" (referenced to North American Datum (NAD) of 1927), Macon County, Hydrologic Unit 03130006, at the bridge on Georgia Highway 26, 1,250 feet downstream from Central of Georgia Railway bridge, 850 feet downstream from Seaboard Coast Line Railroad (formerly Atlanta, Birmingham and Coast) bridge, 0.3 mile downstream from confluence with Buck Creek, 0.9 miles upstream from confluence with Spring Creek, 1.0 mile west of Montezuma, and at mile 180.3.

DRAINAGE AREA.--2,920 square miles, approximately.

ELEVATION.--250 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2000 to current year.

REVISIONS.--Water-quality samples collected at this station during calendar years 2000-2002 were previously published as station 02349500 "Flint River at Montezuma".

REVISED RECORDS.--WSP 822: Drainage area. WSP 852: 1936(M). WSP 1504: 1905-9, 1911-12, drainage area (at site used prior 1912). WDR GA-82-1: 1981(P).

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharges for the samples collected October–December 2003 are still "provisional" as of publication date and are available upon request.

02349605 FLINT RIVER AT GEORGIA HIGHWAY 26, AT MONTEZUMA, GA--Continued (GEORGIA EPD ID 11060011)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)
JAN													
21...	0940	EST	81341	1790	30	7.9	12.0	98	7.0	6.8	--	48	18.5
FEB													
10...	1330	EST	81213	4780	--	--	9.0	79	6.7	6.8	45	44	16.0
11...	1405	EST	81213	4040	--	--	10.7	94	7.1	6.9	45	44	15.8
18...	0930	EST	81341	6110	150	130	9.2	82	6.8	6.7	41	38	6.0
MAR													
04...	0830	EST	81341	5220	60	31	9.9	90	6.5	6.5	47	44	--
APR													
16...	0750	EST	81341	3980	60	22	8.3	89	6.5	6.2	43	45	19.1
MAY													
14...	0730	EST	81341	18300	120	15	5.9	67	6.3	6.1	53	43	21.3
20...	0745	EST	81213	4070	--	--	7.2	83	6.8	--	--	49	20.1
JUN													
03...	0845	EST	81341	2690	70	19	7.1	85	6.5	6.6	51	50	20.6
10...	1000	EST	81213	6260	--	--	7.4	88	6.7	6.9	45	48	31.6
JUL													
08...	0815	EST	81341	12400	100	28	7.9	97	6.4	6.5	44	43	28.0
22...	0745	EST	81213	2850	--	--	6.6	84	6.6	7.0	48	49	27.5
29...	0845	EST	81213	2710	--	--	5.4	68	6.6	6.9	53	53	26.0
AUG													
05...	0750	EST	81341	3910	80	2.5	5.8	72	6.5	6.6	48	49	24.5
SEP													
09...	0715	EST	81341	1930	60	12	7.8	93	6.3	6.8	52	52	18.0
OCT													
07...	0800	EST	81341	--	50	13	8.8	98	6.3	6.6	49	47	18.5
NOV													
18...	0900	EST	81341	--	40	9.5	9.5	96	6.0	6.8	55	52	22.0
DEC													
02...	0930	EST	81213	--	--	--	12.6	110	6.3	7.0	52	52	6.0
09...	0830	EST	81341	--	40	12	12.7	108	6.5	6.7	52	52	6.0
16...	0845	EST	81213	--	--	--	13.8	115	6.7	7.0	54	53	6.0

02349605 FLINT RIVER AT GEORGIA HIGHWAY 26, AT MONTEZUMA, GA--Continued (GEORGIA EPD ID 11060011)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Temperature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coliform, ECbroth water, MPN/ 100 mL (31615)
JAN									
21...	6.5	12	8	<.030	.310	.020	2.5	<2.0	--
FEB									
10...	9.3	--	--	--	--	--	--	--	460
11...	9.7	--	--	--	--	--	--	--	70
18...	10.5	8	160	<.030	.210	.160	6.8	<2.0	3300
MAR									
04...	11.0	9	30	<.030	.240	.060	3.4	<2.0	70
APR									
16...	18.2	10	25	.040	.220	.070	3.5	<2.0	--
MAY									
14...	21.4	6	11	.050	.160	<.020	9.6	2.1	330
20...	22.7	--	--	--	--	--	--	--	80
JUN									
03...	23.7	13	25	<.030	.220	.030	4.8	<2.0	<20
10...	24.2	--	--	--	--	--	--	--	140
JUL									
08...	25.4	11	11	<.030	.100	.050	7.0	<2.0	70
22...	27.1	--	--	--	--	--	--	--	50
29...	26.1	--	--	--	--	--	--	--	170
AUG									
05...	25.2	13	31	<.030	.220	.050	5.7	<2.0	230
SEP									
09...	23.9	15	14	<.030	.260	.020	3.5	<2.0	--
OCT									
07...	20.3	12	12	.050	.280	.030	6.0	<2.0	--
NOV									
18...	15.7	11	10	<.030	.340	.020	4.2	<2.0	70
DEC									
02...	9.0	--	--	--	--	--	--	--	20
09...	8.5	10	6	<.030	.430	.140	3.8	<2.0	20
16...	7.2	--	--	--	--	--	--	--	170

Remark codes used in this report:
< -- Less than
E -- Estimated value

02349605 FLINT RIVER AT GEORGIA HIGHWAY 26, AT MONTEZUMA, GA--Continued (GEORGIA EPD ID 11060011)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)
JAN													
30...	1505	EST	81341	2340	50	28	9.7	94	6.9	6.9	53	58	26.5
FEB													
26...	1240	EST	81341	1500	20	11	9.0	85	7.1	6.9	45	52	20.0
MAR													
05...	1110	EST	81213	6100	--	--	10.4	87	6.7	--	--	49	10.5
12...	1020	EST	81213	2170	--	--	9.5	91	6.8	--	--	46	18.0
19...	1120	EST	81341	2120	40	20	8.3	90	6.9	6.8	48	51	37.0
APR													
16...	0945	EST	81341	3340	70	27	7.7	86	6.9	6.9	50	52	26.0
MAY													
21...	1100	EST	81341	1340	50	13	7.8	85	7.1	7.2	55	54	25.0
JUN													
04...	1200	EST	81341	822	30	10	6.9	88	7.2	7.3	55	57	36.0
11...	0945	EST	81213	1010	--	--	--	--	7.2	--	--	47	--
18...	0950	EST	81213	686	--	--	7.8	94	7.0	--	--	48	27.0
20...	0850	EST	81213	683	--	--	7.6	90	7.4	7.0	45	45	28.3
JUL													
16...	1050	EST	81341	901	40	12	7.4	94	7.3	7.2	52	54	32.0
AUG													
13...	1100	EST	81341	562	30	7.0	7.9	97	7.3	7.0	46	47	36.0
20...	1005	EST	81213	562	--	--	7.6	93	6.9	6.9	36	36	29.5
27...	1015	EST	81213	469	--	--	7.3	89	6.9	7.0	40	41	25.2
SEP													
10...	1040	EST	81341	462	20	10	7.2	86	7.0	6.8	42	42	29.5
OCT													
22...	1100	EST	81341	2560	60	48	6.7	71	6.5	6.5	48	49	27.2
NOV													
18...	1145	EST	81341	5100	80	38	8.5	78	6.7	6.4	47	46	9.3
DEC													
02...	1515	EST	81213	1430	--	--	10.8	94	6.9	7.0	50	49	16.5
09...	1120	EST	81213	1520	--	--	11.6	97	7.1	7.1	55	58	11.4
16...	1335	EST	81341	3390	50	32	11.2	94	7.2	6.9	58	56	14.0

02349605 FLINT RIVER AT GEORGIA HIGHWAY 26, AT MONTEZUMA, GA--Continued (GEORGIA EPD ID 11060011)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2002 TO DECEMBER 2002

Date	Temperature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coliform, ECbroth water, MPN/ 100 mL (31615)
JAN									
30...	14.5	10	39	.034	.510	.094	3.0	<2.0	--
FEB									
26...	12.3	11	14	<.030	.260	.020	2.1	<2.0	<20
MAR									
05...	8.5	--	--	--	--	--	--	--	1100
12...	13.4	--	--	--	--	--	--	--	20
19...	19.6	13	18	.060	.200	.050	3.2	<2.0	50
APR									
16...	20.9	11	35	.030	.210	.070	5.7	<2.0	--
MAY									
21...	19.8	14	18	.140	.260	.060	3.0	<2.0	330
JUN									
04...	27.5	14	18	.390	.200	.130	3.0	<2.0	80
11...	--	--	--	--	--	--	--	--	110
18...	24.7	--	--	--	--	--	--	--	<20
20...	24.3	--	--	--	--	--	--	--	20
JUL									
16...	27.3	12	23	.450	.240	.160	3.4	<2.0	--
AUG									
13...	25.7	12	12	.220	.200	.090	2.5	<2.0	110
20...	25.7	--	--	--	--	--	--	--	130
27...	25.7	--	--	--	--	--	--	--	130
SEP									
10...	24.0	10	23	.070	.200	.100	3.0	<2.0	80
OCT									
22...	17.9	6	60	.040	.380	.050	5.3	<2.0	--
NOV									
18...	12.0	7	34	<.030	.230	.070	7.9	<2.0	310
DEC									
02...	9.5	--	--	--	--	--	--	--	80
09...	7.9	--	--	--	--	--	--	--	20
16...	7.5	11	37	<.030	.310	.050	3.9	<2.0	790

02349605 FLINT RIVER AT GEORGIA HIGHWAY 26, AT MONTEZUMA, GA--Continued (GEORGIA EPD ID 11060011)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)
JAN													
29...	1230	EST	81341	1870	40	13	10.9	94	7.4	--	56	56	22.5
FEB													
12...	1200	EST	81213	1710	--	--	9.7	90	7.0	--	--	53	12.5
14...	1415	EST	81213	1810	--	--	10.6	98	7.1	--	--	55	20.5
20...	1235	EST	81341	3190	45	24	10.2	94	7.4	6.9	78	64	22.0
MAR													
12...	1245	EST	81341	4440	60	37	8.5	81	7.0	6.7	46	48	17.0
APR													
17...	1035	EST	81341	3680	60	18	8.0	88	7.2	6.9	49	49	16.0
MAY													
29...	1025	EST	81341	1310	40	9.0	7.0	84	7.2	6.9	53	54	26.0
JUN													
05...	0945	EST	81213	3070	--	--	5.8	70	7.1	--	--	52	29.0
12...	0750	EST	81213	3550	--	--	6.3	74	6.9	--	--	49	22.0
19...	0730	EST	81341	3420	70	23	7.1	84	7.1	6.8	54	53	22.0
JUL													
17...	1130	EST	81341	1240	10	6.0	7.0	87	7.1	7.1	--	39	32.8
25...	0945	EST	81213	1340	--	--	6.8	86	6.9	--	--	48	24.5
AUG													
01...	1240	EST	81213	1250	--	--	7.3	93	6.6	--	--	47	28.5
08...	0950	EST	81341	1030	25	7.0	6.6	84	6.9	6.7	50	58	28.0
SEP													
19...	1045	EST	81341	857	20	6.0	7.0	79	7.2	7.0	46	53	28.0
OCT													
22...	1050	EST	81341	764	10	3.0	8.1	85	--	6.9	45	49	20.5
NOV													
08...	1110	EST	81213	779	--	--	6.9	74	--	--	--	52	22.0
13...	0930	EST	81341	753	30	3.0	10.1	95	7.3	6.8	46	47	15.0
26...	1105	EST	81213	1640	--	--	9.8	108	--	--	--	48	24.0
DEC													
03...	1030	EST	81341	1070	40	8.0	9.3	90	6.5	6.9	49	55	15.3

02349605 FLINT RIVER AT GEORGIA HIGHWAY 26, AT MONTEZUMA, GA--Continued (GEORGIA EPD ID 11060011)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2001 TO DECEMBER 2001

Date	Temperature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coliform, ECbroth water, MPN/ 100 mL (31615)
JAN									
29...	8.7	10	11	<.030	.280	.020	2.3	<2.0	20
FEB									
12...	12.3	--	--	--	--	--	--	--	20
14...	11.9	--	--	--	--	--	--	--	20
20...	12.0	20	44	<.030	.220	.040	3.4	2.0	230
MAR									
12...	12.6	8	47	<.030	.280	.050	4.5	<2.0	--
APR									
17...	20.1	11	34	<.030	.220	.060	3.5	<2.0	--
MAY									
29...	23.8	14	13	<.030	.250	.050	2.9	<2.0	20
JUN									
05...	24.8	--	--	--	--	--	--	--	91
12...	22.5	--	--	--	--	--	--	--	490
19...	24.0	12	22	<.030	.220	.030	4.7	<2.0	20
JUL									
17...	26.8	28	8	<.030	.160	.022	2.5	<2.0	20
25...	27.8	--	--	--	--	--	--	--	330
AUG									
01...	27.9	--	--	--	--	--	--	--	40
08...	28.0	12	7	<.030	.180	<.020	2.9	<2.0	<20
SEP									
19...	21.7	10	9	<.030	.180	.020	2.3	<2.0	--
OCT									
22...	17.3	10	4	.037	.380	<.020	2.2	<2.0	--
NOV									
08...	19.0	--	--	--	--	--	--	--	20
13...	13.3	9	2	<.030	.180	<.020	2.3	<2.0	295
26...	19.9	--	--	--	--	--	--	--	7900
DEC									
03...	14.0	11	2	.086	.210	.030	3.2	<2.0	130

02349605 FLINT RIVER AT GEORGIA HIGHWAY 26, AT MONTEZUMA, GA--Continued (GEORGIA EPD ID 11060011)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- tance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
FEB													
03...	1300	EST	81213	3330	27	12.7	101	6.8	6.9	50	50	14.5	5.5
23...	1000	EST	81213	1760	--	10.4	95	6.7	--	--	53	16.0	12.0
24...	1255	EST	81213	1700	14	10.6	103	6.8	7.0	54	54	23.0	14.0
MAR													
02...	1210	EST	81213	1770	--	10.0	100	7.1	--	--	55	23.0	15.0
09...	1140	EST	81213	1790	--	8.9	92	7.0	--	--	52	19.0	16.5
16...	1245	EST	81213	2210	18	9.8	101	6.7	7.1	51	50	21.0	16.0
APR													
20...	0940	EST	81213	1680	12	8.5	93	7.2	7.2	56	51	28.0	19.5
MAY													
18...	1130	EST	81213	704	5.8	8.4	100	7.2	7.1	56	52	32.0	24.0
25...	1020	EST	81213	633	--	7.1	89	7.2	--	--	59	32.0	26.0
JUN													
08...	0930	EST	81213	525	--	8.0	93	7.1	--	--	56	22.5	22.8
14...	0945	EST	81213	469	6.5	7.9	97	7.4	7.2	66	62	33.0	26.0
JUL													
13...	0930	EST	81213	682	18	6.9	84	7.0	7.1	52	50	29.0	24.9
AUG													
17...	1055	EST	81213	417	4.8	7.6	95	7.0	7.2	49	46	34.0	26.0
31...	0940	EST	81213	662	--	7.3	90	7.0	--	--	50	22.0	25.0
SEP													
07...	1005	EST	81213	1620	--	7.1	82	7.0	--	--	62	19.0	22.5
13...	0935	EST	81213	860	15	7.3	86	7.2	7.1	70	71	26.3	23.7
21...	0920	EST	81213	594	--	8.3	98	7.0	--	--	49	26.5	23.0
OCT													
05...	0815	EST	81213	672	--	7.8	87	7.1	--	--	60	21.4	20.3
12...	0940	EST	81213	683	4.8	9.8	95	7.1	7.2	69	65	17.0	14.0
NOV													
16...	1145	EST	81213	1090	9.8	9.9	94	7.1	7.1	62	59	15.0	12.5
DEC													
12...	1050	EST	81213	1040	8.7	10.6	96	7.1	7.0	61	58	16.0	11.0

02349605 FLINT RIVER AT GEORGIA HIGHWAY 26, AT MONTEZUMA, GA--Continued (GEORGIA EPD ID 11060011)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
FEB								
03...	13	24	.10	.350	.03	2.9	.9	--
23...	--	--	--	--	--	--	--	--
24...	17	15	.03	.250	<.02	2.2	.8	<20
MAR								
02...	--	--	--	--	--	--	--	20
09...	--	--	--	--	--	--	--	50
16...	17	18	.05	.210	.03	3.1	.3	170
APR								
20...	20	19	.05	.220	<.02	2.2	.6	--
MAY								
18...	18	8	.04	.190	.02	1.5	.6	<20
25...	--	--	--	--	--	--	--	230
JUN								
08...	--	--	--	--	--	--	--	20
14...	21	8	.05	.220	<.02	1.7	1.8	80
JUL								
13...	16	24	.06	.360	.04	2.7	1.2	3100
AUG								
17...	13	8	.03	.190	<.02	1.2	1.0	50
31...	--	--	--	--	--	--	--	110
SEP								
07...	--	--	--	--	--	--	--	110
13...	18	18	.48	.340	.13	2.5	1.3	E73
21...	--	--	--	--	--	--	--	<20
OCT								
05...	--	--	--	--	--	--	--	490
12...	19	6	.02	.270	<.02	2.9	.3	140
NOV								
16...	16	10	.06	.180	<.02	2.7	.7	--
DEC								
12...	15	10	.03	.270	<.02	2.6	.5	--

02349605 FLINT RIVER AT GEORGIA HIGHWAY 26, AT MONTEZUMA, GA--Continued (GEORGIA EPD ID 11060011)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water unfltrd recoverable, mg/L (00916)
FEB													
23...	1000	EST	81213	1760	10.4	95	6.7	--	--	53	16.0	12.0	2.80
JUN													
14...	0945	EST	81213	469	7.9	97	7.4	7.2	66	62	33.0	26.0	2.30
NOV													
16...	1145	EST	81213	1090	9.9	94	7.1	7.1	62	59	15.0	12.5	2.70

Date	Magnesium, water, unfltrd recoverable, mg/L (00927)	Antimony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Lead, water, unfltrd recoverable, ug/L (01051)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Thallium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recoverable, ug/L (01092)
FEB												
23...	1.10	<1	<2	<.5	<1	<1	<1	<.1	<1	<2	<2	2
JUN												
14...	1.00	<1	3	<.5	<1	<1	<1	<.1	<1	<2	<2	2
NOV												
16...	1.20	<1	<4	<.5	<1	<2	<2	<.1	<1	<4	<2	<2

Remark codes used in this report:
< -- Less than

APALACHICOLA RIVER BASIN
2003 Calendar Year

02352560 FLINT RIVER AT GEORGIA HIGHWAY 234, AT ALBANY, GA (GEORGIA EPD ID 11090401)

LOCATION.--Lat 31°33'08", long 84°08'46" (referenced to North American Datum (NAD) of 1927), Dougherty County, Hydrologic Unit 03130008, at the bridge on Georgia Highways 234 and 133, 3.7 miles downstream from confluence with Muckafoonee Creek, 3.4 miles southeast of the intersection of Georgia Highways 3 and 50, and, at Albany.

ELEVATION.--150 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2000 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharges for the samples collected October–December 2003 are still "provisional" as of publication date and are available upon request.

02352560 FLINT RIVER AT GEORGIA HIGHWAY 234, AT ALBANY, GA--Continued (GEORGIA EPD ID 11090401)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
21...	1530	EST	81341	1290	11	11.7	101	7.4	7.3	110	97	21.5	8.8
FEB													
10...	1720	EST	81213	4860	--	10.3	94	7.5	7.4	94	93	14.2	11.3
11...	1735	EST	81213	8840	--	10.6	96	7.5	7.4	91	89	14.6	11.4
18...	1430	EST	81341	7240	16	9.7	90	7.1	7.1	79	75	14.0	11.9
MAR													
04...	1450	EST	81341	15400	33	10.2	97	6.8	7.0	71	63	--	12.6
APR													
16...	1410	EST	81341	8910	20	8.7	94	6.9	7.0	71	76	30.4	19.3
MAY													
14...	1300	EST	81341	23000	50	7.3	87	6.8	6.8	56	58	32.5	24.1
20...	1215	EST	81213	4100	--	6.5	77	7.0	--	--	60	24.6	23.8
JUN													
03...	1340	EST	81341	2780	22	7.1	87	7.0	7.0	68	70	26.6	25.1
10...	1215	EST	81213	13400	--	7.6	93	7.0	7.1	73	75	33.0	25.8
JUL													
08...	1245	EST	81341	17300	26	7.7	95	7.0	6.9	72	80	35.5	25.9
22...	1155	EST	81213	4040	--	6.4	83	7.1	7.2	73	76	31.0	28.9
29...	1240	EST	81213	3650	--	11.2	146	7.1	7.3	81	84	33.0	28.9
AUG													
05...	1220	EST	81341	6910	12	7.6	97	7.0	7.0	84	86	26.0	27.0
SEP													
09...	1115	EST	81341	2920	9.1	6.5	81	7.0	6.9	89	100	27.5	26.4
OCT													
07...	1210	EST	81341	--	5.6	8.3	98	6.9	7.3	110	110	23.0	23.2
NOV													
18...	1330	EST	81341	--	7.2	9.0	96	7.0	7.3	100	103	29.0	18.4
DEC													
02...	1320	EST	81213	--	--	11.0	104	7.4	7.5	94	94	16.0	12.9
09...	1315	EST	81341	--	8.3	11.2	102	7.1	7.3	93	93	23.0	11.5
16...	1230	EST	81213	--	--	11.8	107	7.2	7.5	90	89	20.5	10.6

02352560 FLINT RIVER AT GEORGIA HIGHWAY 234, AT ALBANY, GA--Continued (GEORGIA EPD ID 11090401)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN							
21...	29	.030	.640	.040	4.4	<2.0	--
FEB							
10...	--	--	--	--	--	--	70
11...	--	--	--	--	--	--	20
18...	20	<.030	.360	.040	5.3	<2.0	230
MAR							
04...	25	<.030	.320	.060	5.2	<2.0	210
APR							
16...	24	.080	.410	.040	6.6	<2.0	--
MAY							
14...	14	.080	.240	.090	7.3	<2.0	50
20...	--	--	--	--	--	--	80
JUN							
03...	23	.030	.360	.050	7.7	<2.0	790
10...	--	--	--	--	--	--	330
JUL							
08...	21	.040	.260	.050	6.5	<2.0	60
22...	--	--	--	--	--	--	50
29...	--	--	--	--	--	--	40
AUG							
05...	27	<.030	.360	.040	7.4	<2.0	230
SEP							
09...	20	.070	.440	.030	3.9	2.1	--
OCT							
07...	35	<.030	.450	.040	4.4	<2.0	--
NOV							
18...	31	<.030	.380	<.020	6.1	<2.0	<20
DEC							
02...	--	--	--	--	--	--	<20
09...	25	<.030	.360	.040	4.9	<2.0	80
16...	--	--	--	--	--	--	80

Remark codes used in this report:
< -- Less than

APALACHICOLA RIVER BASIN
2003 Calendar Year

02353000 FLINT RIVER AT GEORGIA HIGHWAY 37, AT NEWTON, GA (GEORGIA EPD ID 11102001)

LOCATION.--Lat 31º18'34", long 84º20'06" (referenced to North American Datum (NAD) of 1927), Baker-Mitchell County line, Hydrologic Unit 03130008, at the bridge pier on Georgia Highway 37, 1.0 mile downstream from confluence with Coolewahee Creek, at Newton, and at mile 69.5.

DRAINAGE AREA.--5,740 square miles, approximately.

ELEVATION.--110.2 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to June 1979, May 1981 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharges for the samples collected October–December 2003 are still "provisional" as of publication date and are available upon request.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
22...	0915	EST	81341	3110	8.8	9.8	90	7.5	7.5	140	134	16.0	11.4
FEB													
11...	0745	EST	81213	5860	--	10.3	93	7.4	7.5	107	106	2.4	11.0
12...	0755	EST	81213	7400	--	10.2	92	7.4	7.5	109	102	4.0	10.9
19...	0915	EST	81341	8910	18	10.3	94	7.1	7.5	140	83	15.0	11.7
MAR													
05...	0845	EST	81341	12700	30	11.1	106	6.8	6.9	72	72	--	12.8
APR													
15...	0830	EST	81341	16300	20	8.7	92	7.0	7.0	75	76	20.0	18.4
MAY													
13...	1020	EST	81341	13700	22	7.2	88	7.3	7.1	82	84	22.7	26.1
21...	0730	EST	81213	6470	--	6.2	73	7.2	--	--	110	21.9	23.4
JUN													
04...	0815	EST	81341	4420	17	6.7	80	7.3	7.3	130	135	22.5	23.8
11...	0915	EST	81213	12600	--	7.6	94	7.2	7.3	82	86	31.8	26.3
JUL													
09...	0800	EST	81341	15900	29	8.4	107	6.5	7.0	73	71	28.0	28.1
23...	0755	EST	81213	4420	--	6.4	80	7.3	7.6	115	124	26.0	26.9
30...	0800	EST	81213	7210	--	7.8	100	7.3	7.5	123	129	24.0	27.4
AUG													
06...	1130	EST	81341	10600	15	6.7	84	7.2	7.2	100	106	28.0	26.6
SEP													
10...	0730	EST	81341	5160	5.3	6.2	77	7.2	7.4	140	139	23.5	25.9
OCT													
08...	0745	EST	81341	--	3.4	7.2	84	6.9	7.6	160	161	22.0	22.7
NOV													
19...	0900	EST	81341	--	4.6	8.5	93	6.2	7.4	140	135	20.5	19.1
DEC													
03...	0900	EST	81213	--	--	10.1	97	6.9	7.7	120	120	11.5	13.6
10...	0830	EST	81341	--	8.6	10.3	97	7.1	7.3	110	113	18.5	12.2
17...	0915	EST	81213	--	--	13.6	127	7.5	7.6	115	114	4.0	11.6

02353000 FLINT RIVER AT GEORGIA HIGHWAY 37, AT NEWTON, GA--Continued (GEORGIA EPD ID 11102001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
22...	47	3	.040	.800	.050	4.4	<2.0	--
FEB								
11...	--	--	--	--	--	--	--	50
12...	--	--	--	--	--	--	--	110
19...	24	6	<.030	.410	.050	5.3	<2.0	210
MAR								
05...	20	10	.040	.340	.070	5.9	<2.0	110
APR								
15...	24	8	.060	.390	.040	6.6	<2.0	--
MAY								
13...	25	24	.050	.390	.030	4.5	<2.0	50
21...	--	--	--	--	--	--	--	50
JUN								
04...	53	4	.050	.640	.070	9.4	<2.0	20
11...	--	--	--	--	--	--	--	130
JUL								
09...	21	16	<.030	.240	.050	6.5	<2.0	80
23...	--	--	--	--	--	--	--	5400
30...	--	--	--	--	--	--	--	50
AUG								
06...	44	10	<.030	.440	.050	8.5	<2.0	230
SEP								
10...	51	2	<.030	.610	.030	7.8	<2.0	--
OCT								
08...	57	2	<.030	.880	.050	7.3	<2.0	--
NOV								
19...	44	2	<.030	.640	.050	4.9	<2.0	130
DEC								
03...	--	--	--	--	--	--	--	<20
10...	37	4	<.030	.570	.060	4.8	<2.0	50
17...	--	--	--	--	--	--	--	130

Remark codes used in this report:
< -- Less than

APALACHICOLA RIVER BASIN
2003 Calendar Year

02356000 FLINT RIVER AT US HIGHWAY 27 (BUSINESS ROUTE), AT BAINBRIDGE, GA (GEORGIA EPD ID 11109001)

LOCATION.--Lat 30°54'41", long 84°34'48" (referenced to North American Datum (NAD) of 1927), Decatur County, Hydrologic Unit 03130008, at the bridge on US Highway 27 (Business Route), 0.2 mile downstream from the Seaboard Coast Line Railroad bridge, 29.2 miles upstream from Jim Woodruff Dam, at Bainbridge, and, at mile 29.0.

DRAINAGE AREA.--7,570 square miles, approximately.

ELEVATION.--58.06 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2000 to current year.

REMARKS.--The streamflow gaging station at this site is located on the downstream side of the US Highway 27 (Business Route) bridge. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharges for the samples collected October–December 2003 are still "provisional" as of publication date and are available upon request.

02356000 FLINT RIVER AT US HIGHWAY 27 (BUSINESS ROUTE), AT BAINBRIDGE, GA—Continued

(GEORGIA EPD ID 11109001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
22...	1115	EST	81341	3670	8.7	9.8	91	7.5	7.6	150	138	19.0	11.6
FEB													
11...	1035	EST	81213	8150	--	10.9	100	7.7	7.6	116	115	9.6	11.7
12...	1040	EST	81213	7100	--	10.7	97	7.7	7.6	110	114	13.1	11.6
19...	1120	EST	81341	10300	14	9.6	90	7.4	7.4	110	100	16.5	12.7
MAR													
05...	1100	EST	81341	17300	38	10.1	96	7.0	7.0	79	78	--	13.1
APR													
15...	1030	EST	81341	22000	18	8.6	91	7.2	7.2	85	90	24.1	18.2
MAY													
13...	1200	EST	81341	13200	15	6.9	84	7.5	7.5	110	118	27.9	25.8
21...	0845	EST	81213	9490	--	6.5	78	7.4	--	--	125	21.0	23.6
JUN													
04...	1000	EST	81341	7780	18	7.1	85	7.5	7.4	140	146	29.1	24.0
11...	0800	EST	81213	17000	--	6.0	74	7.3	7.4	92	96	29.6	26.0
JUL													
09...	0920	EST	81341	17600	29	9.5	121	7.2	7.1	77	87	30.0	28.1
23...	0900	EST	81213	7650	--	7.5	93	7.5	7.7	136	140	25.7	26.1
30...	0900	EST	81213	7620	--	7.8	98	7.4	7.7	125	129	25.0	27.2
AUG													
06...	1030	EST	81341	11700	15	6.3	78	7.2	7.2	120	118	30.5	26.3
SEP													
10...	0850	EST	81341	6760	4.8	6.8	83	7.4	7.5	140	146	24.5	25.3
OCT													
08...	0845	EST	81341	--	3.0	7.4	86	7.4	7.7	180	177	24.5	22.6
NOV													
19...	1000	EST	81341	--	3.6	9.1	100	7.1	7.7	170	170	18.5	19.5
DEC													
03...	1000	EST	81213	--	--	10.0	96	7.6	7.8	136	135	15.0	13.7
10...	0930	EST	81341	--	5.9	10.5	103	7.5	7.5	140	144	19.0	13.7
17...	1030	EST	81213	--	--	14.8	139	7.6	7.7	124	123	5.0	11.8

APALACHICOLA RIVER BASIN
2003 Calendar Year

02356000 FLINT RIVER AT US HIGHWAY 27 (BUSINESS ROUTE), AT BAINBRIDGE, GA—Continued

(GEORGIA EPD ID 11109001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN							
22...	52	<.030	.980	.040	3.9	<2.0	--
FEB							
11...	--	--	--	--	--	--	50
12...	--	--	--	--	--	--	20
19...	32	<.030	.520	.040	5.1	<2.0	80
MAR							
05...	23	.030	.340	.090	6.4	2.1	790
APR							
15...	29	.050	.450	.040	6.2	<2.0	--
MAY							
13...	42	<.030	.620	.030	4.1	<2.0	<20
21...	--	--	--	--	--	--	<20
JUN							
04...	58	.030	.860	.060	6.6	<2.0	50
11...	--	--	--	--	--	--	80
JUL							
09...	23	.040	.250	.050	6.6	<2.0	80
23...	--	--	--	--	--	--	130
30...	--	--	--	--	--	--	20
AUG							
06...	45	<.030	.590	.080	8.3	<2.0	230
SEP							
10...	50	<.030	.620	.030	8.0	<2.0	--
OCT							
08...	71	<.030	1.20	.020	7.6	<2.0	--
NOV							
19...	66	<.030	1.10	.030	4.9	<2.0	<20
DEC							
03...	--	--	--	--	--	--	<20
10...	53	<.030	.920	.030	4.2	<2.0	50
17...	--	--	--	--	--	--	80

Remark codes used in this report:
< -- Less than

02380500 COOSAWATTEE RIVER AT GEORGIA HIGHWAY 5, NEAR ELLIJAY, GA (GEORGIA EPD ID 14109901)

LOCATION.--Lat 34º40'12", long 84º30'00" (referenced to North American Datum (NAD) of 1927), Gilmer County, Hydrologic Unit 03150102, at the bridge on Georgia Highway 5 (0.5 mile upstream of gage), 3.8 miles upstream from confluence with Mountaintown Creek, 2.2 miles downstream from the confluence of Cartecay and Ellijay Rivers, and 2.0 miles southwest of Ellijay.

DRAINAGE AREA.--236 square miles.

ELEVATION.--1216.04 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1996 to December 1996, January 2002 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharges for the samples collected October–December 2003 are still "provisional" as of publication date and are available upon request.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
07...	0915	EST	81341	448	3.4	11.0	88	6.9	6.7	37	35	.5	4.3
14...	0845	EST	81213	388	--	12.3	93	6.9	7.2	38	37	-4.3	2.8
28...	1405	EST	81213	311	--	12.8	96	6.9	7.2	47	46	7.5	2.3
FEB													
06...	1315	EST	81341	556	10	12.0	101	6.8	6.7	53	40	3.5	6.5
MAR													
11...	0840	EST	81341	751	7.0	11.4	101	6.6	6.4	37	34	4.0	9.0
APR													
08...	0810	EST	81341	595	12	9.1	93	6.8	6.4	35	32	14.0	15.0
MAY													
28...	0845	EST	81341	692	6.8	8.9	92	5.9	6.5	33	29	13.3	15.5
JUN													
03...	1340	EST	81213	588	--	9.4	103	6.8	7.0	35	37	25.1	17.4
10...	0800	EST	81213	581	--	9.2	100	6.2	6.2	35	34	14.4	17.5
17...	0850	EST	81341	628	11	8.9	102	6.3	6.5	35	32	20.5	20.2
JUL													
22...	0830	EST	81213	556	--	8.9	106	6.3	6.8	--	34	21.0	22.3
29...	0915	EST	81341	470	5.5	8.9	105	6.6	6.6	36	34	21.0	22.0
AUG													
05...	0830	EST	81213	1020	--	9.0	105	6.6	6.9	34	32	21.5	21.0
12...	0905	EST	81341	628	6.9	9.0	104	6.8	6.8	34	31	19.4	21.1
SEP													
02...	0650	EST	81341	415	3.8	11.6	136	6.8	6.6	43	43	20.0	21.7
OCT													
21...	0845	EST	81341	--	2.0	11.0	108	6.8	6.6	45	43	8.3	13.0
NOV													
18...	0900	EST	81341	--	2.4	9.1	91	6.8	6.7	51	46	18.8	13.8
DEC													
02...	0645	EST	81213	--	--	11.3	94	7.3	7.0	43	43	2.9	6.4
09...	0800	EST	81341	--	2.6	11.8	96	6.8	6.6	49	45	4.5	5.3
15...	1330	EST	81213	--	--	11.9	101	7.3	7.0	38	38	14.3	6.8

02380500 COOSAWATTEE RIVER AT GEORGIA HIGHWAY 5, NEAR ELLIJAY, GA--Continued

(GEORGIA EPD ID 14109901)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
07...	7	3	.030	.440	.080	<1.0	<2.0	80
14...	--	--	--	--	--	--	--	70
28...	--	--	--	--	--	--	--	110
FEB								
06...	7	15	.080	.460	.120	<1.0	<2.0	330
MAR								
11...	7	140	.030	.410	.070	<1.0	<2.0	--
APR								
08...	7	19	.040	.280	.050	2.0	<2.0	--
MAY								
28...	7	17	.070	.350	.070	1.7	<2.0	130
JUN								
03...	--	--	--	--	--	--	--	700
10...	--	--	--	--	--	--	--	9200
17...	8	27	.110	.330	.090	2.0	<2.0	2300
JUL								
22...	--	--	--	--	--	--	--	1100
29...	8	14	.080	.320	.080	2.3	<2.0	490
AUG								
05...	--	--	--	--	--	--	--	1700
12...	8	16	.040	.300	.060	1.6	<2.0	270
SEP								
02...	8	9	<.030	.320	.090	<1.0	<2.0	--
OCT								
21...	8	2	<.030	.280	.090	1.4	<2.0	--
NOV								
18...	10	3	.070	.260	.140	2.5	<2.0	330
DEC								
02...	--	--	--	--	--	--	--	170
09...	9	3	.040	.380	.140	1.0	<2.0	220
15...	--	--	--	--	--	--	--	140

Remark codes used in this report:
< -- Less than

MOBILE RIVER BASIN
2003 Calendar Year

02381090 MOUNTAINTOWN CREEK AT GEORGIA HIGHWAY 282, NEAR ELLIJAY, GA (GEORGIA EPD ID 14115001)

LOCATION.--Lat 34°42'11", long 84°32'22" (referenced to North American Datum (NAD) of 1927), Gilmer County, Hydrologic Unit 03150102, at the bridge on Georgia Highway 282, 6.0 miles upstream from confluence with Coosawatee River, and 6.0 miles west of Ellijay.

DRAINAGE AREA.--61.6 square miles.

ELEVATION.--1280 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2001 to December 2001, January 2003 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
07...	0835	EST	81341	104	2.6	10.9	86	7.0	6.6	20	17	-4.3	4.1
14...	0800	EST	81213	67	--	12.2	93	7.0	7.2	19	17	-4.9	2.7
28...	1335	EST	81213	106	--	12.7	97	7.5	7.2	19	18	5.7	2.5
FEB													
06...	1230	EST	81341	183	4.7	12.1	101	7.0	6.7	--	16	3.5	6.4
MAR													
11...	0805	EST	81341	201	4.3	11.1	97	6.6	6.5	19	16	2.7	8.2
APR													
08...	0720	EST	81341	180	10	9.6	96	6.8	6.3	20	18	13.9	13.7
MAY													
28...	0805	EST	81341	258	6.0	9.7	97	6.0	6.6	19	16	11.0	14.0
JUN													
03...	1310	EST	81213	183	--	9.6	103	7.3	7.3	19	19	24.5	16.4
10...	0730	EST	81213	195	--	9.4	98	6.2	7.0	19	18	12.0	15.7
17...	0805	EST	81341	152	13	8.7	94	6.2	6.5	21	18	19.9	17.8
JUL													
22...	0740	EST	81213	147	--	8.7	98	6.3	7.0	20	19	20.2	19.0
29...	0815	EST	81341	140	4.9	8.8	98	6.5	6.7	21	19	19.9	19.1
AUG													
05...	0750	EST	81213	237	--	9.0	99	6.5	6.9	19	19	21.4	18.4
12...	0820	EST	81341	170	6.0	9.0	98	6.9	6.7	21	19	17.5	17.9
SEP													
02...	0555	EST	81341	138	4.0	10.0	113	6.8	6.2	22	21	19.6	19.6
OCT													
21...	0800	EST	81341	76	2.5	9.6	94	6.9	6.7	23	19	5.7	12.5
NOV													
18...	0810	EST	81341	88	2.8	9.8	97	6.9	6.7	23	19	16.6	13.3
DEC													
02...	0730	EST	81213	147	--	12.0	99	7.3	7.0	20	20	-4.4	5.8
09...	0715	EST	81341	145	1.9	11.8	97	6.7	6.7	23	18	2.2	5.5
15...	1255	EST	81213	161	--	12.0	102	7.8	7.0	20	20	10.2	6.9

02381090 MOUNTAINTOWN CREEK AT GEORGIA HIGHWAY 282, NEAR ELLIJAY, GA--Continued

(GEORGIA EPD ID 14115001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
07...	5	<.10	<.030	.140	<.020	<1.0	<2.0	50
14...	--	--	--	--	--	--	--	50
28...	--	--	--	--	--	--	--	90
FEB								
06...	5	<.10	<.030	.140	<.020	<1.0	<2.0	80
MAR								
11...	5	<.10	.040	.120	<.020	<1.0	<2.0	--
APR								
08...	6	<.10	<.030	.120	.030	<1.0	<2.0	--
MAY								
28...	5	.13	<.030	.110	<.020	1.4	<2.0	80
JUN								
03...	--	--	--	--	--	--	--	460
10...	--	--	--	--	--	--	--	170
17...	6	<.10	<.030	.110	.020	1.8	<2.0	790
JUL								
22...	--	--	--	--	--	--	--	170
29...	7	<.10	<.030	.100	<.020	2.0	<2.0	230
AUG								
05...	--	--	--	--	--	--	--	790
12...	6	<.10	<.030	.110	<.020	1.1	<2.0	80
SEP								
02...	6	.37	<.030	.100	.020	<1.0	<2.0	--
OCT								
21...	7	<.10	<.030	.080	<.020	1.2	<2.0	--
NOV								
18...	5	.10	<.030	.090	<.020	2.4	<2.0	80
DEC								
02...	--	--	--	--	--	--	--	50
09...	6	.00	<.030	.110	<.020	<1.0	<2.0	50
15...	--	--	--	--	--	--	--	80

Remark codes used in this report:
< -- Less than

02384750 CONASAUGA RIVER AT US HIGHWAY 76, NEAR DALTON, GA (GEORGIA EPD ID 14010051)

LOCATION.--Lat 34°47'00", long 84°52'23" (referenced to North American Datum (NAD) of 1927), Whitfield-Murray County line, Hydrologic Unit 03150101, at the bridge on US Highway 76, 5.5 miles east of Dalton.

DRAINAGE AREA.--308 square miles.

ELEVATION.--670 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1990 to February 1994, April 1995 to current year.

REVISED RECORDS.--Water-quality samples collected at the bridge on US Highway 76, USGS station 02384750, from July 1990 to February 1994 and from April 1995 to September 1998 were published in previous Water Resources Data-Georgia reports under USGS station number 02384748.

REMARKS.--From July 1974 to July 1990, water-quality samples representing this reach of the Conasauga River were collected at the City of Dalton water intake, station 02384748. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

02384750 CONASAUGA RIVER AT US HIGHWAY 76, NEAR DALTON, GA--Continued (GEORGIA EPD ID 14010051)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
07...	0745	EST	81341	326	3.5	11.4	91	7.5	7.5	110	111	-1.5	5.5
14...	0700	EST	81213	<15	--	12.7	96	7.5	8.0	122	123	-3.6	3.3
28...	1235	EST	81213	160	--	15.6	113	8.1	8.4	286	278	4.8	1.6
FEB													
06...	1000	EST	81341	607	13	11.6	96	7.5	7.4	100	87	4.5	6.8
MAR													
11...	0710	EST	81341	491	6.8	10.2	93	7.2	7.3	110	109	5.1	10.9
APR													
08...	0625	EST	81341	1460	34	8.9	90	7.1	6.8	80	78	14.6	15.4
MAY													
28...	0715	EST	81341	464	9.0	8.2	88	6.6	7.4	110	109	13.3	17.9
JUN													
03...	1210	EST	81213	277	--	8.6	96	7.5	7.8	125	126	25.4	19.2
10...	0630	EST	81213	301	--	7.7	87	6.9	7.7	101	102	15.9	21.2
17...	0700	EST	81341	225	7.3	7.2	86	7.0	7.3	120	115	21.3	23.4
JUL													
22...	0645	EST	81213	211	--	7.0	85	6.8	7.8	133	133	22.0	24.3
29...	0715	EST	81341	174	7.6	7.1	86	7.0	7.6	130	133	23.5	24.6
AUG													
05...	0700	EST	81213	402	--	7.6	88	6.7	7.6	92	91	22.3	21.9
12...	0725	EST	81341	239	5.3	7.4	88	7.3	7.6	130	129	20.5	22.8
SEP													
02...	1330	EST	81341	109	3.9	7.2	90	7.7	7.7	150	150	29.9	25.8
OCT													
21...	0710	EST	81341	399	2.6	8.3	83	7.6	7.7	150	144	10.5	14.8
NOV													
18...	0700	EST	81341	82	3.8	9.1	90	7.4	7.6	140	138	16.5	14.0
DEC													
02...	1245	EST	81213	279	--	11.7	96	7.5	7.6	88	87	7.4	6.6
09...	0635	EST	81341	166	3.9	11.8	97	7.3	7.4	110	104	6.4	6.1
15...	1150	EST	81213	512	--	11.4	95	7.8	7.5	114	115	11.0	6.8

02384750 CONASAUGA RIVER AT US HIGHWAY 76, NEAR DALTON, GA--Continued (GEORGIA EPD ID 14010051)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN							
07...	49	<.030	.380	<.020	<1.0	<2.0	20
14...	--	--	--	--	--	--	20
28...	--	--	--	--	--	--	70
FEB							
06...	40	<.030	.220	.030	2.3	<2.0	50
MAR							
11...	46	<.030	.360	<.020	1.3	<2.0	--
APR							
08...	32	<.030	.140	.100	5.7	2.0	--
MAY							
28...	48	<.030	.410	.030	3.6	<2.0	80
JUN							
03...	--	--	--	--	--	--	110
10...	--	--	--	--	--	--	170
17...	53	<.030	.290	<.020	3.3	<2.0	170
JUL							
22...	--	--	--	--	--	--	170
29...	61	<.030	.300	<.020	4.9	<2.0	130
AUG							
05...	--	--	--	--	--	--	330
12...	61	<.030	.330	<.020	4.6	<2.0	790
SEP							
02...	68	<.030	.320	.020	<1.0	<2.0	--
OCT							
21...	67	<.030	.120	<.020	3.6	<2.0	--
NOV							
18...	64	<.030	.080	<.020	8.3	<2.0	330
DEC							
02...	--	--	--	--	--	--	80
09...	44	<.030	.280	<.020	2.8	<2.0	330
15...	--	--	--	--	--	--	790

Remark codes used in this report:
< -- Less than

MOBILE RIVER BASIN
2003 Calendar Year

02387000 CONASAUGA RIVER AT TILTON ROAD, AT TILTON, GA
(GEORGIA EPD ID 14010051)

LOCATION.--Lat 34º40'00", long 84º55'42" (referenced to North American Datum (NAD) of 1927), Whitfield-Murray County line, Hydrologic Unit 03150101, at the bridge on Tilton Road, 0.2 mile downstream from the confluence with Swamp Creek, 12.0 miles upstream from confluence with Coosawattee River, and 0.5 mile northeast of Tilton.

DRAINAGE AREA.--687 square miles.

ELEVATION.--622.28 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharges for the samples collected October–December 2003 are still "provisional" as of publication date and are available upon request.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct-ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct-ance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)
JAN													
07...	0640	EST	81341	885	5.0	12.3	99	7.6	7.6	160	155	-2.5	5.8
14...	0600	EST	81213	606	--	13.7	102	7.6	8.1	175	182	-4.8	3.0
28...	1155	EST	81213	419	--	16.1	116	7.9	8.2	192	185	2.7	1.6
FEB													
06...	1100	EST	81341	1630	31	12.3	103	7.5	7.5	140	150	4.5	7.4
MAR													
11...	0615	EST	81341	1340	12	11.1	103	7.3	7.4	130	134	3.1	11.8
APR													
08...	0525	EST	81341	3360	42	7.8	80	7.2	7.2	120	123	13.7	16.1
MAY													
28...	0625	EST	81341	1480	17	8.9	96	7.5	7.4	130	129	13.3	18.5
JUN													
03...	1115	EST	81213	690	--	8.3	94	7.5	7.8	158	159	24.5	20.0
10...	0545	EST	81213	820	--	7.3	85	7.6	7.8	146	150	13.0	22.0
17...	0615	EST	81341	521	11	7.0	84	7.5	7.5	170	164	19.4	24.0
JUL													
22...	0600	EST	81213	666	--	6.7	83	7.0	7.8	159	162	20.2	25.2
29...	0610	EST	81341	465	7.4	6.9	85	7.7	7.6	180	177	20.5	25.3
AUG													
05...	0600	EST	81213	1870	--	7.2	85	7.2	7.5	112	115	20.5	22.9
12...	0630	EST	81341	685	21	7.8	93	7.3	7.6	150	155	18.1	23.3
SEP													
02...	1215	EST	81341	318	7.7	6.7	84	7.7	7.8	210	218	28.7	26.4
OCT													
21...	0615	EST	81341	--	5.4	9.8	101	8.0	8.0	250	253	7.5	15.5
NOV													
18...	0615	EST	81341	--	7.7	9.4	93	7.7	7.7	280	275	17.0	14.0
DEC													
02...	1045	EST	81213	--	--	11.6	96	7.3	7.7	133	133	7.4	6.8
09...	0545	EST	81341	--	7.0	11.3	92	7.5	7.5	150	148	2.0	5.8
15...	1055	EST	81213	--	--	11.4	94	8.0	7.7	140	140	8.5	6.4

02387000 CONASAUGA RIVER AT TILTON ROAD, AT TILTON, GA--Continued (GEORGIA EPD ID 14010051)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Hard-ness, water, unfltrd mg/L as CaCO3 (00900)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Organic nitro-gen, water, unfltrd mg/L (00605)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, low level, water, unfltrd mg/L (00335)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN												
07...	64	59	3	.15	<.030	.490	--	.080	1.0	<2.0	<10	40
14...	--	--	--	--	--	--	--	--	--	--	--	20
28...	--	--	--	--	--	--	--	--	--	--	--	60
FEB												
06...	58	46	34	.36	<.030	.340	--	.120	3.5	<2.0	23	230
MAR												
11...	60	53	19	<.10	<.030	.400	--	.100	2.5	<2.0	<10	--
APR												
08...	56	46	107	.71	.170	.240	.54	.180	8.0	2.4	36	--
MAY												
28...	58	53	25	.43	<.030	.440	--	.070	4.7	<2.0	<10	330
JUN												
03...	--	--	--	--	--	--	--	--	--	--	--	70
10...	--	--	--	--	--	--	--	--	--	--	--	220
17...	66	68	23	.19	<.030	.360	--	.100	4.4	<2.0	<10	110
JUL												
22...	--	--	--	--	--	--	--	--	--	--	--	80
29...	72	71	17	<.10	<.030	.330	--	.080	6.4	<2.0	30	330
AUG												
05...	--	--	--	--	--	--	--	--	--	--	--	417
12...	58	63	31	.29	<.030	.400	--	.110	6.4	<2.0	<10	460
SEP												
02...	84	80	18	.42	<.030	.380	--	.180	<1.0	<2.0	22	--
OCT												
21...	92	85	10	.19	<.030	.230	--	.200	5.1	<2.0	<10	--
NOV												
18...	98	86	15	.29	<.030	.370	--	.260	10.0	<2.0	<10	80
DEC												
02...	--	--	--	--	--	--	--	--	--	--	--	330
09...	58	52	5	.00	<.030	.410	--	.120	4.6	<2.0	12	460
15...	--	--	--	--	--	--	--	--	--	--	--	460

Remark codes used in this report:
< -- Less than

MOBILE RIVER BASIN
2003 Calendar Year

02388520 OOSTANAULA RIVER AT ROME, GA
(GEORGIA EPD ID 14250001)

LOCATION.--Lat 34º16'13", long 85º10'24" (referenced to North American Datum (NAD) of 1927), Floyd County, Hydrologic Unit 03150103, approximately 100 feet downstream of the Southern Railway bridge, 1.2 miles upstream from confluence with Etowah River, and, at Rome.

DRAINAGE AREA.--2,150 square miles, approximately.

ELEVATION.--561.7 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharge obtained from gaging station 02388500, Oostanaula River near Rome, GA. Flow regulated by Carters Lake and Carters Re-regulation Dam. Discharges for the samples collected October–December 2003 are still "provisional" as of publication date and are available upon request.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
08...	0900	EST	81341	3230	5.7	10.7	88	7.3	7.4	130	119	5.1	6.7
15...	0900	EST	81213	2380	--	11.7	90	7.5	8.1	160	162	-2.4	4.6
29...	1240	EST	81213	2360	--	8.3	65	7.5	7.9	117	113	12.6	4.4
FEB													
05...	1300	EST	81341	5150	30	10.6	92	7.5	7.5	150	138	8.0	8.9
MAR													
12...	0830	EST	81341	5450	17	10.8	99	7.2	7.1	100	102	8.9	11.5
APR													
09...	0800	EST	81341	5510	26	6.8	69	7.2	7.1	140	135	9.9	15.5
MAY													
29...	0815	EST	81341	7220	18	7.8	85	6.6	7.0	93	90	18.0	18.4
JUN													
02...	1100	EST	81213	4470	--	8.4	93	7.2	7.5	92	93	24.0	18.9
11...	0700	EST	81213	4010	--	7.2	82	6.6	7.7	94	93	23.7	21.8
18...	0700	EST	81341	4190	31	6.8	80	6.7	7.2	120	114	21.4	23.1
JUL													
23...	0815	EST	81213	4130	--	6.8	81	6.7	7.5	102	102	22.3	23.4
30...	0830	EST	81341	2420	11	6.8	82	6.9	7.3	110	112	25.4	24.5
AUG													
06...	0830	EST	81213	4360	--	6.1	74	6.7	7.4	112	112	23.5	24.0
13...	0845	EST	81341	3260	12	6.8	81	7.0	7.4	110	104	24.5	24.1
SEP													
03...	0955	EST	81341	--	8.0	6.9	86	7.5	7.5	120	117	27.2	26.1
OCT													
22...	0905	EST	81341	--	7.4	7.2	77	7.3	7.3	100	97	16.5	17.3
NOV													
19...	0815	EST	81341	--	40	6.9	72	7.2	7.3	150	140	16.4	15.7
DEC													
04...	1120	EST	81213	--	--	11.8	100	7.6	7.7	132	131	3.4	7.8
10...	0800	EST	81341	--	5.4	10.6	95	7.3	7.5	130	132	12.5	9.2
16...	0920	EST	81213	--	--	11.4	96	7.7	7.6	129	128	6.0	7.2

02388520 OOSTANAULA RIVER AT ROME, GA--Continued
(GEORGIA EPD ID 14250001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
08...	44	6	<.030	.540	.060	1.8	<2.0	20
15...	--	--	--	--	--	--	--	<20
29...	--	--	--	--	--	--	--	<20
FEB								
05...	51	46	<.030	.460	.130	3.5	<2.0	490
MAR								
12...	37	13	.030	.460	.080	2.7	<2.0	--
APR								
09...	49	37	<.030	.330	.170	4.7	<2.0	--
MAY								
29...	35	32	<.030	.420	.060	3.4	<2.0	140
JUN								
02...	--	--	--	--	--	--	--	20
11...	--	--	--	--	--	--	--	5400
18...	44	55	<.030	.400	.100	7.3	<2.0	13000
JUL								
23...	--	--	--	--	--	--	--	130
30...	43	22	<.030	.420	.060	2.8	<2.0	170
AUG								
06...	--	--	--	--	--	--	--	230
13...	42	24	<.030	.340	.070	6.4	<2.0	170
SEP								
03...	43	19	<.030	.310	.080	4.6	<2.0	--
OCT								
22...	35	17	<.030	.230	.090	4.8	<2.0	--
NOV								
19...	45	46	.040	.430	.250	7.7	2.0	92000
DEC								
04...	--	--	--	--	--	--	--	60
10...	47	12	<.030	.440	.140	4.6	<2.0	110
16...	--	--	--	--	--	--	--	20

Remark codes used in this report:
< -- Less than

02392000 ETOWAH RIVER AT GEORGIA HIGHWAY 5 SPUR, AT CANTON, GA (GEORGIA EPD ID 14300001)

LOCATION.--Lat 34º14'23", long 84º29'47" (referenced to North American Datum (NAD) of 1927), Cherokee County, Hydrologic Unit 03150104, at the bridge on Georgia Highway 5 Spur, 0.8 mile upstream from confluence with Canton Creek, 1.8 miles downstream from confluence with Hickory Log Creek, and, at Canton.

DRAINAGE AREA.--613 square miles.

ELEVATION.--844.55 feet (referenced to National Geodetic Vertical Datum (NGVD) of 1929).

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to February 1994, January 1996 to December 1996, January 2000 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: June 1971 to September 1976.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharges for the samples collected October–December 2003 are still "provisional" as of publication date and are available upon request.

02392000 ETOWAH RIVER AT GEORGIA HIGHWAY 5 SPUR, AT CANTON, GA--Continued (GEORGIA EPD ID 14300001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- tance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
07...	1115	EST	81341	1220	6.5	13.3	106	7.1	6.9	42	38	2.0	5.1
14...	1030	EST	81213	1030	--	12.7	97	7.1	7.4	41	39	6.3	3.6
28...	1605	EST	81213	837	--	9.6	73	7.1	7.5	42	40	10.0	3.0
FEB													
06...	1515	EST	81341	1110	8.0	11.8	98	7.0	6.9	49	37	3.0	6.6
MAR													
11...	1045	EST	81341	2020	33	10.1	93	7.1	6.6	40	36	12.4	11.1
APR													
08...	0950	EST	81341	1450	11	8.9	90	6.9	6.6	39	37	11.0	14.6
MAY													
28...	1100	EST	81341	1460	9.9	8.8	94	6.0	6.8	40	38	20.4	17.8
JUN													
03...	1525	EST	81213	1200	--	9.1	101	6.9	7.2	37	39	24.9	18.7
10...	1000	EST	81213	1340	--	8.2	92	6.4	7.2	37	35	21.0	20.1
17...	1035	EST	81341	8010	500	7.2	82	6.4	6.8	53	48	24.5	20.8
JUL													
22...	1015	EST	81213	1240	--	7.9	94	6.4	7.2	39	37	24.4	23.0
29...	1045	EST	81341	1040	6.3	7.7	92	6.7	6.9	40	37	26.5	23.5
AUG													
05...	1030	EST	81213	1890	--	8.2	95	6.5	7.1	35	33	25.2	21.5
12...	1115	EST	81341	1130	9.1	8.1	94	7.0	7.0	39	36	24.9	21.6
SEP													
02...	0830	EST	81341	816	8.9	7.1	86	7.1	6.9	38	38	23.9	23.9
OCT													
21...	1055	EST	81341	--	2.5	9.2	91	7.0	6.9	42	38	14.3	13.7
NOV													
18...	1045	EST	81341	--	2.9	9.9	96	6.9	6.9	43	40	19.4	13.0
DEC													
02...	0845	EST	81213	--	--	11.7	95	7.2	7.3	42	41	1.8	6.3
09...	1000	EST	81341	--	3.5	11.9	96	6.8	7.0	44	39	10.5	5.4
15...	1530	EST	81213	--	--	11.9	99	7.4	7.2	40	40	15.8	6.4

02392000 ETOWAH RIVER AT GEORGIA HIGHWAY 5 SPUR, AT CANTON, GA--Continued (GEORGIA EPD ID 14300001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Organic nitro-gen, water, unfltrd mg/L (00605)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN									
07...	11	<.10	<.030	.390	--	<.020	<1.0	<2.0	40
14...	--	--	--	--	--	--	--	--	170
28...	--	--	--	--	--	--	--	--	20
FEB									
06...	11	.10	<.030	.360	--	.020	<1.0	<2.0	20
MAR									
11...	11	.19	<.030	.360	--	.060	<1.0	<2.0	--
APR									
08...	12	<.10	<.030	.260	--	.050	1.1	<2.0	--
MAY									
28...	13	.11	<.030	.300	--	.020	2.2	<2.0	80
JUN									
03...	--	--	--	--	--	--	--	--	80
10...	--	--	--	--	--	--	--	--	80
17...	20	2.1	.080	.240	2.0	.610	7.9	3.5	24000
JUL									
22...	--	--	--	--	--	--	--	--	70
29...	13	<.10	<.030	.250	--	<.020	2.9	<2.0	230
AUG									
05...	--	--	--	--	--	--	--	--	1700
12...	12	.16	<.030	.240	--	.020	1.9	<2.0	110
SEP									
02...	13	.26	<.030	.220	--	.030	<1.0	<2.0	--
OCT									
21...	13	<.10	<.030	.180	--	<.020	3.1	<2.0	--
NOV									
18...	13	.12	<.030	.220	--	<.020	2.4	<2.0	250
DEC									
02...	--	--	--	--	--	--	--	--	110
09...	12	.00	<.030	.330	--	<.020	2.9	<2.0	80
15...	--	--	--	--	--	--	--	--	140

Remark codes used in this report:
< -- Less than

02392360 SHOAL CREEK AT GEORGIA HIGHWAY 108, NEAR WALESKA, GA (GEORGIA EPD ID 14300601)

LOCATION.--Lat 34°15'48", long 84°35'44" (referenced to North American Datum (NAD) of 1927), Cherokee County, Hydrologic Unit 03150104, at bridge on Georgia Highway 108, 0.3 mile downstream from confluence with Gorman Branch, and 5.3 miles southwest of Waleska.

DRAINAGE AREA.--56.5 square miles, approximately.

ELEVATION.--900 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2000 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

02392360 SHOAL CREEK AT GEORGIA HIGHWAY 108, NEAR WALESKA, GA--Continued (GEORGIA EPD ID 14300601)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
07...	1015	EST	81341	67	3.6	12.1	94	7.1	6.8	40	38	1.6	4.3
14...	0945	EST	81213	63	--	12.7	95	7.1	7.4	40	38	2.0	2.9
28...	1520	EST	81213	57	--	9.4	72	7.1	7.4	40	39	10.3	2.8
FEB													
06...	1430	EST	81341	72	3.7	12.2	100	7.0	6.8	49	34	3.5	6.1
MAR													
11...	0945	EST	81341	141	16	11.1	97	6.6	6.5	33	31	9.6	9.1
APR													
08...	0850	EST	81341	81	3.4	7.5	75	6.9	6.6	38	36	11.1	14.6
MAY													
28...	0955	EST	81341	103	4.9	9.0	95	6.0	6.8	37	35	21.5	16.9
JUN													
03...	1445	EST	81213	92	--	9.0	101	6.9	7.3	37	37	25.1	18.9
10...	0910	EST	81213	81	--	8.4	92	6.4	7.3	38	36	19.3	18.9
17...	0945	EST	81341	439	140	8.3	96	6.2	6.5	41	38	24.5	21.1
JUL													
22...	0915	EST	81213	97	--	8.0	96	6.3	7.2	38	36	23.0	22.9
29...	1000	EST	81341	75	3.5	7.9	95	6.6	6.9	41	38	26.5	23.1
AUG													
05...	0930	EST	81213	92	--	8.0	94	6.5	7.2	38	38	23.9	22.1
12...	1010	EST	81341	72	4.3	8.3	96	7.0	7.0	42	39	23.7	21.3
SEP													
02...	1010	EST	81341	54	3.8	7.5	89	7.1	7.0	46	46	25.9	22.6
OCT													
21...	1000	EST	81341	40	2.2	9.2	89	7.0	6.9	50	47	10.5	12.5
NOV													
18...	0945	EST	81341	44	2.8	8.8	87	6.9	6.8	50	46	18.6	14.0
DEC													
02...	0940	EST	81213	58	--	9.4	77	7.3	7.3	44	44	7.6	6.2
09...	0915	EST	81341	49	2.2	12.0	96	6.9	7.0	49	43	10.0	5.0
15...	1445	EST	81213	70	--	12.1	101	7.3	7.3	43	43	13.8	6.7

02392360 SHOAL CREEK AT GEORGIA HIGHWAY 108, NEAR WALESKA, GA--Continued (GEORGIA EPD ID 14300601)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN							
07...	10	<.030	.240	<.020	<1.0	<2.0	170
14...	--	--	--	--	--	--	80
28...	--	--	--	--	--	--	110
FEB							
06...	9	<.030	.190	<.020	<1.0	<2.0	230
MAR							
11...	7	<.030	.200	.030	2.2	<2.0	--
APR							
08...	11	<.030	.120	<.020	<1.0	<2.0	--
MAY							
28...	11	<.030	.180	.020	2.7	<2.0	55
JUN							
03...	--	--	--	--	--	--	130
10...	--	--	--	--	--	--	80
17...	9	.070	.200	.300	7.6	2.9	54000
JUL							
22...	--	--	--	--	--	--	90
29...	13	<.030	.180	<.020	3.2	<2.0	125
AUG							
05...	--	--	--	--	--	--	490
12...	13	<.030	.170	<.020	2.6	<2.0	130
SEP							
02...	14	<.030	.160	<.020	<1.0	<2.0	--
OCT							
21...	18	<.030	.060	<.020	2.1	<2.0	--
NOV							
18...	17	<.030	.070	<.020	4.4	<2.0	80
DEC							
02...	--	--	--	--	--	--	80
09...	1	<.030	.190	<.020	3.0	<2.0	20
15...	--	--	--	--	--	--	20

Remark codes used in this report:
< -- Less than

MOBILE RIVER BASIN
2003 Calendar Year

02392780 LITTLE RIVER AT GEORGIA HIGHWAY 5, NEAR WOODSTOCK, GA (GEORGIA EPD ID 14304001)

LOCATION.--Lat 34º07'20", long 84º30'16" (referenced to North American Datum (NAD) of 1927), Cherokee County, Hydrologic Unit 03150104, at the bridge on Georgia Highway 5, 0.1 mile downstream from confluence with Rubes Creek, and 1.8 miles northeast of Woodstock.

DRAINAGE AREA.--139 square miles.

ELEVATION.--860 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1996 to December 1996, January 2000 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
08...	1140	EST	81341	127	17	11.7	94	7.2	7.0	86	83	7.5	5.3
15...	1120	EST	81213	120	--	12.4	95	7.3	7.5	79	79	1.5	3.9
29...	1545	EST	81213	141	--	8.8	74	7.3	7.7	78	76	11.6	6.7
FEB													
05...	0930	EST	81341	181	20	11.1	92	7.2	7.0	86	70	1.5	6.6
MAR													
12...	1130	EST	81341	299	32	10.6	99	7.0	6.8	64	65	20.5	11.6
APR													
09...	1110	EST	81341	177	12	9.7	95	7.1	7.0	98	99	13.5	13.5
MAY													
29...	1115	EST	81341	187	13	8.1	90	6.5	6.9	79	76	25.3	19.0
JUN													
02...	1630	EST	81213	129	--	8.0	91	7.0	7.3	75	80	31.4	19.9
11...	0930	EST	81213	165	--	7.7	91	6.5	7.3	78	77	29.5	22.9
18...	0950	EST	81341	590	60	7.7	92	6.2	6.7	71	70	22.9	23.1
JUL													
23...	1100	EST	81213	123	--	7.3	87	6.7	7.4	81	83	25.7	23.2
30...	1115	EST	81341	116	6.6	7.2	90	6.8	7.2	86	85	26.5	25.5
AUG													
06...	1105	EST	81213	127	--	7.2	88	6.5	7.3	79	82	25.5	24.2
13...	1130	EST	81341	104	28	7.2	86	7.0	7.1	110	105	26.2	23.6
SEP													
03...	0635	EST	81341	84	5.8	6.8	82	7.3	7.2	90	89	21.0	23.8
OCT													
22...	1200	EST	81341	70	3.6	7.9	84	7.0	7.1	100	101	21.4	16.8
NOV													
19...	1130	EST	81341	>1700	59	8.2	88	6.5	6.5	58	55	17.8	16.8
DEC													
04...	0810	EST	81213	107	--	10.9	--	6.7	7.2	91	--	1.0	6.8
10...	1050	EST	81341	319	140	9.8	91	6.7	7.0	90	87	13.1	9.8
16...	1455	EST	81213	159	--	11.3	95	7.3	7.1	82	81	13.9	6.8

02392780 LITTLE RIVER AT GEORGIA HIGHWAY 5, NEAR WOODSTOCK, GA--Continued (GEORGIA EPD ID 14304001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
08...	30	13	.340	.430	.080	2.3	2.5	7900
15...	--	--	--	--	--	--	--	1700
29...	--	--	--	--	--	--	--	<20
FEB								
05...	25	24	.090	.480	.060	2.0	<2.0	895
MAR								
12...	21	38	.140	.350	.110	3.1	<2.0	--
APR								
09...	36	18	.140	.380	.070	2.1	<2.0	--
MAY								
29...	27	23	.080	.400	.030	6.8	<2.0	1300
JUN								
02...	--	--	--	--	--	--	--	40
11...	--	--	--	--	--	--	--	140
18...	24	105	.530	.250	.100	6.8	<2.0	4900
JUL								
23...	--	--	--	--	--	--	--	3500
30...	34	14	<.030	.380	<.020	3.8	<2.0	140
AUG								
06...	--	--	--	--	--	--	--	700
13...	37	34	.380	.610	.160	6.0	2.5	790
SEP								
03...	35	9	.240	.350	.040	5.1	<2.0	--
OCT								
22...	36	4	.340	.330	.170	6.2	<2.0	--
NOV								
19...	13	40	.090	.430	.110	7.9	3.4	24000
DEC								
04...	--	--	--	--	--	--	--	260
10...	31	240	.230	.350	.380	5.5	6.3	13000
16...	--	--	--	--	--	--	--	<20

Remark codes used in this report:
< -- Less than
> -- Greater than

MOBILE RIVER BASIN
2003 Calendar Year

02393000 NOONDAY CREEK AT GEORGIA HIGHWAY 92, NEAR WOODSTOCK, GA (GEORGIA EPD ID 14304101)

LOCATION.--Lat 34º05'10", long 84º31'50" (referenced to North American Datum (NAD) of 1927), Cherokee County, Hydrologic Unit 03150104, at the bridge on Georgia Highway 92, 4.6 miles upstream from Allatoona Lake backwater, and 1.2 miles southwest of Woodstock.

DRAINAGE AREA.--41.4 square miles.

ELEVATION.--880 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1996 to December 1996, January 2001 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
08...	1055	EST	81341	59	6.5	10.7	93	7.5	7.4	280	284	7.5	8.3
15...	1045	EST	81213	56	--	11.1	92	7.5	7.9	276	280	1.5	6.9
29...	1450	EST	81213	71	--	10.1	91	7.5	8.0	286	278	13.6	9.5
FEB													
05...	0800	EST	81341	71	31	10.6	91	6.9	7.6	190	183	-1.0	7.8
MAR													
12...	1045	EST	81341	85	23	9.8	94	7.4	7.3	230	338	18.5	12.6
APR													
09...	1015	EST	81341	103	9.4	9.2	91	7.3	7.2	190	190	11.9	14.0
MAY													
29...	1020	EST	81341	70	6.6	8.0	90	7.1	7.4	220	218	22.4	19.8
JUN													
02...	1600	EST	81213	56	--	8.3	100	7.4	7.7	288	291	29.6	22.7
11...	0900	EST	81213	63	--	7.9	93	6.8	7.4	126	126	31.0	22.9
18...	0915	EST	81341	325	40	7.9	95	6.5	6.9	110	112	22.5	23.4
JUL													
23...	1030	EST	81213	94	--	7.4	89	6.7	7.5	193	195	25.5	23.5
30...	1030	EST	81341	68	12	7.3	89	7.1	7.4	260	261	24.5	24.0
AUG													
06...	1035	EST	81213	71	--	7.1	87	6.9	7.6	204	213	25.5	24.3
13...	1045	EST	81341	135	25	7.4	89	7.2	7.2	150	151	24.4	24.0
SEP													
03...	0715	EST	81341	36	3.6	6.8	83	7.5	7.6	320	324	22.1	24.0
OCT													
22...	1115	EST	81341	30	2.2	7.8	87	7.4	7.5	390	390	20.7	18.6
NOV													
19...	1030	EST	81341	>1000	76	6.9	74	6.7	6.6	65	62	17.5	16.9
DEC													
04...	0910	EST	81213	64	--	10.9	95	7.2	7.4	245	245	.0	8.5
10...	1015	EST	81341	500	120	9.8	94	6.9	7.1	100	103	11.5	11.0
16...	1420	EST	81213	75	--	10.5	98	7.5	7.5	260	265	16.9	11.0

02393000 NOONDAY CREEK AT GEORGIA HIGHWAY 92, NEAR WOODSTOCK, GA--Continued

(GEORGIA EPD ID 14304101)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN								
08...	66	8	.030	3.10	.040	2.5	<2.0	70
15...	--	--	--	--	--	--	--	20
29...	--	--	--	--	--	--	--	<20
FEB								
05...	44	17	.040	1.80	.050	2.6	<2.0	220
MAR								
12...	59	19	.060	2.40	.070	3.9	<2.0	--
APR								
09...	50	17	.030	1.40	.050	3.0	<2.0	--
MAY								
29...	54	9	<.030	2.20	.030	9.0	<2.0	2200
JUN								
02...	--	--	--	--	--	--	--	50
11...	--	--	--	--	--	--	--	1700
18...	34	93	.050	.780	.060	7.0	<2.0	4900
JUL								
23...	--	--	--	--	--	--	--	3500
30...	60	18	<.030	2.80	.030	5.1	<2.0	2300
AUG								
06...	--	--	--	--	--	--	--	490
13...	36	50	.050	1.70	.050	7.0	<2.0	790
SEP								
03...	67	6	.030	3.50	.050	6.7	<2.0	--
OCT								
22...	78	4	<.030	4.60	.050	8.9	<2.0	--
NOV								
19...	14	110	<.030	.380	.110	7.3	2.8	11000
DEC								
04...	--	--	--	--	--	--	--	<20
10...	26	290	.090	.820	.200	5.1	2.8	3300
16...	--	--	--	--	--	--	--	<20

Remark codes used in this report:
< -- Less than
> -- Greater than

02394980 ETOWAH RIVER AT HARDIN BRIDGE ROAD, NEAR EUHARLEE, GA (GEORGIA EPD ID 14330001)

LOCATION.--Lat 34º11'28", long 84º55'44" (referenced to North American Datum (NAD) of 1927), Bartow County, Hydrologic Unit 03150104, at the bridge on Hardin Bridge Road, 1,000 feet downstream from confluence with Ashpole Creek, and 3.0 miles north of Euharlee.

DRAINAGE AREA.--1,610 square miles.

ELEVATION.--640 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1974 to current year.

REVISED RECORDS.--WDR GA-80-1: Drainage area.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Allatoona Reservoir.

02394980 ETOWAH RIVER AT HARDIN BRIDGE ROAD, NEAR EUHARLEE, GA--Continued (GEORGIA EPD ID 14330001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- tance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
08...	0950	EST	81341	>5660	19	11.4	95	7.3	7.1	79	76	6.2	7.0
15...	0945	EST	81213	800	--	10.8	89	7.6	8.0	142	150	.0	7.0
29...	1335	EST	81213	879	--	9.9	85	7.6	8.1	167	160	11.8	7.7
FEB													
05...	1115	EST	81341	--	31	11.1	95	7.3	7.5	150	133	7.0	8.4
MAR													
12...	0940	EST	81341	E5660	14	11.0	97	7.3	7.1	80	76	12.1	9.3
APR													
09...	0915	EST	81341	1470	15	9.1	87	7.2	7.2	94	93	10.2	12.6
MAY													
29...	0920	EST	81341	>5660	11	7.8	83	6.4	6.8	70	66	20.3	17.6
JUN													
02...	1415	EST	81213	>5660	--	8.2	91	7.0	7.3	67	66	27.6	19.1
11...	0800	EST	81213	2530	--	7.7	86	6.5	7.7	85	84	25.0	19.8
18...	0815	EST	81341	>5660	37	7.7	88	6.3	6.7	71	69	21.7	21.5
JUL													
23...	0915	EST	81213	1530	--	7.2	84	6.6	7.6	115	118	23.7	22.2
30...	0915	EST	81341	1110	4.3	6.9	81	6.8	7.1	110	109	23.8	22.9
AUG													
06...	0915	EST	81213	1470	--	6.6	78	6.5	7.4	88	95	22.7	22.9
13...	0945	EST	81341	1050	3.6	6.8	80	7.2	7.2	110	110	24.7	23.0
SEP													
03...	0835	EST	81341	905	3.2	6.4	77	7.2	7.3	110	107	24.1	23.7
OCT													
22...	1000	EST	81341	1230	3.2	7.4	83	7.1	7.1	86	84	14.2	19.5
NOV													
19...	0930	EST	81341	>5660	150	8.1	85	7.0	7.0	83	79	15.9	16.4
DEC													
04...	1015	EST	81213	794	--	11.3	106	7.5	7.5	92	92	.0	12.2
10...	0900	EST	81341	1450	8.4	11.4	109	6.9	7.4	95	94	11.9	11.9
16...	1245	EST	81213	>5660	--	11.1	97	7.6	7.5	92	92	14.3	8.9

02394980 ETOWAH RIVER AT HARDIN BRIDGE ROAD, NEAR EUHARLEE, GA--Continued (GEORGIA EPD ID 14330001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Hard-ness, water, unfltrd mg/L as CaCO3 (00900)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN									
08...	34	26	8	.080	.500	.040	2.3	<2.0	50
15...	--	--	--	--	--	--	--	--	80
29...	--	--	--	--	--	--	--	--	<20
FEB									
05...	58	49	20	.030	.620	.090	2.2	<2.0	490
MAR									
12...	30	26	14	.050	.540	.030	1.8	<2.0	--
APR									
09...	40	33	5	<.030	.510	.050	1.9	<2.0	--
MAY									
29...	26	23	13	<.030	.460	.020	3.3	<2.0	50
JUN									
02...	--	--	--	--	--	--	--	--	<20
11...	--	--	--	--	--	--	--	--	110
18...	26	26	100	.220	.350	.060	6.1	<2.0	3300
JUL									
23...	--	--	--	--	--	--	--	--	1300
30...	42	42	3	<.030	.430	<.020	4.0	<2.0	130
AUG									
06...	--	--	--	--	--	--	--	--	330
13...	44	43	5	.070	.420	.030	5.5	<2.0	80
SEP									
03...	40	41	5	.100	.350	.030	4.5	<2.0	--
OCT									
22...	28	30	4	.050	.260	.020	4.4	<2.0	--
NOV									
19...	40	25	480	.080	.330	.390	7.8	2.7	39000
DEC									
04...	--	--	--	--	--	--	--	--	<20
10...	36	34	6	<.030	.480	.050	3.5	<2.0	20
16...	--	--	--	--	--	--	--	--	<20

Remark codes used in this report:
< -- Less than
> -- Greater than
E -- Estimated value

MOBILE RIVER BASIN
2003 Calendar Year

02397530 COOSA RIVER AT GEORGIA-ALABAMA STATE LINE, NEAR COOSA, GA (GEORGIA EPD ID 14450001)

LOCATION.--Lat 34º11'54", long 85º26'46" (referenced to North American Datum (NAD) of 1927), Floyd County, GA- Cherokee County, AL, Hydrologic Unit 03150105, 6.5 miles southwest of Coosa, and at mile 254.8.

DRAINAGE AREA.--4,360 square miles, approximately.

ELEVATION.--555 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORD

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Allatoona Reservoir and by Carters Lake and Carters Re-regulation Dam.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc-tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)
JAN													
08...	0800	EST	81341	18	12.0	102	7.3	7.3	100	99	.8	7.8	40
15...	0805	EST	81213	--	12.6	105	7.4	7.9	157	158	-5.1	7.4	--
29...	1140	EST	81213	--	14.9	124	7.7	7.9	118	117	12.4	6.9	--
FEB													
05...	1500	EST	81341	24	12.8	118	7.5	7.5	180	161	9.0	11.2	76
MAR													
12...	0745	EST	81341	24	12.5	116	7.2	7.2	99	99	4.2	11.8	40
APR													
24...	0615	EST	81341	13	7.7	84	7.2	7.3	150	155	7.5	19.1	60
MAY													
29...	0715	EST	81341	14	6.9	75	7.1	7.0	100	96	16.3	19.1	48
JUN													
02...	1245	EST	81213	--	7.7	87	7.2	7.5	94	95	25.2	20.1	--
11...	0600	EST	81213	--	6.9	83	7.3	7.8	141	144	21.4	23.8	--
18...	0605	EST	81341	13	6.9	84	7.5	7.3	160	163	21.1	24.7	60
JUL													
23...	0730	EST	81213	--	6.8	84	7.3	7.5	116	115	20.7	25.1	--
30...	0730	EST	81341	9.8	7.0	88	7.5	7.5	150	151	21.7	26.4	56
AUG													
06...	0730	EST	81213	--	6.1	75	7.1	7.5	134	136	22.3	25.3	--
13...	0745	EST	81341	11	6.7	82	7.1	7.4	120	117	22.4	25.1	44
SEP													
03...	1145	EST	81341	9.2	6.7	88	7.5	7.7	150	151	30.0	29.1	52
OCT													
22...	0800	EST	81341	11	7.5	85	7.4	7.5	140	139	9.7	20.5	46
NOV													
24...	0645	EST	81341	15	8.0	83	7.1	7.4	100	97	9.0	16.0	32
DEC													
04...	1400	EST	81213	--	11.0	102	7.8	7.6	124	125	3.2	11.6	--
16...	1115	EST	81213	--	11.1	98	7.7	7.6	131	130	11.2	9.7	--
18...	1215	EST	81341	16	11.1	--	7.5	7.3	120	--	10.2	9.7	48

MOBILE RIVER BASIN
2003 Calendar Year

02397530 COOSA RIVER AT GEORGIA-ALABAMA STATE LINE, NEAR COOSA, GA--Continued

(GEORGIA EPD ID 14450001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Organic nitro-gen, water, unfltrd mg/L (00605)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	COD, low level, water, unfltrd mg/L (00335)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN											
08...	36	14	.21	.040	.530	.17	.050	2.4	<2.0	<10	50
15...	--	--	--	--	--	--	--	--	--	--	70
29...	--	--	--	--	--	--	--	--	--	--	<20
FEB											
05...	59	21	.23	.030	.490	.20	.090	2.8	<2.0	<10	460
MAR											
12...	35	29	.14	.050	.510	.09	.070	2.9	<2.0	<10	--
APR											
24...	56	14	.33	.050	.480	.28	.120	3.4	<2.0	14	--
MAY											
29...	36	22	.29	<.030	.400	--	.050	5.2	<2.0	<10	330
JUN											
02...	--	--	--	--	--	--	--	--	--	--	20
11...	--	--	--	--	--	--	--	--	--	--	340
18...	62	17	.18	<.030	.470	--	.080	8.8	<2.0	<10	170
JUL											
23...	--	--	--	--	--	--	--	--	--	--	50
30...	60	13	.12	<.030	.460	--	.040	3.8	<2.0	30	50
AUG											
06...	--	--	--	--	--	--	--	--	--	--	130
13...	46	18	.24	<.030	.360	--	.060	6.0	<2.0	<10	220
SEP											
03...	55	19	.32	<.030	.320	--	.080	4.8	<2.0	<10	--
OCT											
22...	49	14	.21	<.030	.280	--	.070	8.0	<2.0	<10	--
NOV											
24...	31	18	.29	<.030	.330	--	.060	5.7	<2.0	<10	210
DEC											
04...	--	--	--	--	--	--	--	--	--	--	<20
16...	--	--	--	--	--	--	--	--	--	--	<20
18...	45	19	.00	<.030	.480	--	.090	6.4	<2.0	<10	130

Remark codes used in this report:
< -- Less than

02398037 CHATTOOGA RIVER AT HOLLAND-CHATTOOGAVILLE ROAD, AT CHATTOOGAVILLE, GA

(GEORGIA EPD ID 14560001)

LOCATION.--Lat 34º20'08", long 85º26'43" (referenced to North American Datum (NAD) of 1927), Chattooga County, Hydrologic Unit 03150105, at the bridge on Holland-Chattoogaville Road, 0.4 miles downstream from confluence with Hinton Creek, and 0.7 mile south of Chattoogaville.

DRAINAGE AREA.--281 square miles.

ELEVATION.--580 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

02398037 CHATTOOGA RIVER AT HOLLAND-CHATTOOGAVILLE ROAD, AT CHATTOOGAVILLE, GA--Continued

(GEORGIA EPD ID 14560001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduct- ance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduct- ance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
08...	0700	EST	81341	380	4.7	10.7	90	7.8	7.8	330	328	.5	7.5
15...	0715	EST	81213	300	--	11.1	90	7.8	8.1	411	420	-3.5	6.4
29...	1045	EST	81213	253	--	8.6	71	7.8	8.4	500	483	10.9	6.8
FEB													
05...	1600	EST	81341	563	8.0	10.5	95	7.8	7.9	310	302	8.5	10.3
MAR													
12...	0700	EST	81341	635	8.3	8.4	79	7.5	7.7	250	261	1.2	12.4
APR													
09...	0710	EST	81341	596	8.2	8.1	83	7.6	7.6	340	345	10.7	15.7
MAY													
29...	0530	EST	81341	550	7.7	8.3	90	7.4	7.6	250	241	14.3	18.4
JUN													
02...	1155	EST	81213	417	--	8.8	97	7.7	8.0	263	268	26.0	19.3
11...	0515	EST	81213	309	--	7.6	88	7.5	8.0	361	366	19.5	21.7
18...	0530	EST	81341	445	14	7.1	83	7.4	7.6	320	322	20.6	22.3
JUL													
23...	0630	EST	81213	317	--	7.3	85	7.2	7.9	370	377	20.4	22.3
30...	0630	EST	81341	326	7.4	6.9	83	7.4	7.8	370	369	21.5	23.6
AUG													
06...	0645	EST	81213	347	--	7.3	86	7.3	7.9	295	301	22.0	22.3
13...	0645	EST	81341	300	11	7.3	84	7.6	7.8	380	383	22.4	22.1
SEP													
03...	1245	EST	81341	196	1.7	9.5	115	8.2	8.2	340	348	31.8	24.5
OCT													
22...	0715	EST	81341	111	2.2	7.5	79	7.7	7.9	610	624	7.8	16.2
NOV													
19...	0700	EST	81341	683	42	7.8	81	7.6	7.8	450	450	12.9	15.7
DEC													
04...	1320	EST	81213	329	--	11.6	101	7.8	8.0	388	388	4.0	8.6
10...	0630	EST	81341	187	9.9	10.4	95	7.7	7.8	350	356	12.4	9.9
16...	1015	EST	81213	417	--	11.0	96	8.0	8.0	306	303	10.1	8.6

02398037 CHATTOOGA RIVER AT HOLLAND-CHATTOOGAVILLE ROAD, AT CHATTOOGAVILLE, GA—Continued

(GEORGIA EPD ID 14560001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Hard-ness, water, unfltrd mg/L as CaCO3 (00900)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN									
08...	98	98	4	.110	.540	.090	1.9	<2.0	90
15...	--	--	--	--	--	--	--	--	70
29...	--	--	--	--	--	--	--	--	130
FEB									
05...	100	97	10	.050	.330	.120	3.1	<2.0	230
MAR									
12...	88	87	18	.080	.420	.080	1.6	<2.0	--
APR									
09...	110	100	14	.060	.370	.210	2.3	<2.0	--
MAY									
29...	92	89	14	.030	.610	.070	4.2	<2.0	170
JUN									
02...	--	--	--	--	--	--	--	--	<20
11...	--	--	--	--	--	--	--	--	130
18...	96	110	24	.030	.410	.120	12.0	<2.0	3100
JUL									
23...	--	--	--	--	--	--	--	--	490
30...	100	99	14	<.030	.400	.150	5.5	<2.0	130
AUG									
06...	--	--	--	--	--	--	--	--	80
13...	100	120	22	<.030	.370	.100	4.1	<2.0	3500
SEP									
03...	120	120	2	<.030	.410	.100	6.7	<2.0	--
OCT									
22...	130	140	4	<.030	.170	<.020	13.0	<2.0	--
NOV									
19...	90	99	81	.060	.240	.280	11.0	2.6	35000
DEC									
04...	--	--	--	--	--	--	--	--	<20
10...	110	100	12	<.030	.420	.120	5.5	<2.0	130
16...	--	--	--	--	--	--	--	--	<20

Remark codes used in this report:
< -- Less than

03567340 WEST CHICKAMAUGA CREEK AT GEORGIA HIGHWAY 146, NEAR LAKEVIEW, GA

(GEORGIA EPD ID 15090001)

LOCATION.--Lat 34º57'26", long 85º12'20" (referenced to North American Datum (NAD) of 1927), Catoosa County, Hydrologic Unit 06020001, at the bridge on Georgia Highway 146, 3.0 miles southeast of Lakeview.

DRAINAGE AREA.--148 square miles.

ELEVATION.--679 feet, approximately (referenced to National Geodetic Vertical Datum (NGVD) of 1929), from 7.5-minute USGS topographic map.

COOPERATION.--Georgia DNR, Environmental Protection Division, Water Protection Branch.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

03567340 WEST CHICKAMAUGA CREEK AT GEORGIA HIGHWAY 146, NEAR LAKEVIEW, GA--Continued

(GEORGIA EPD ID 15090001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	Time Datum	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Turbidity, NTU (00076)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
JAN													
07...	0515	EST	81341	328	15	10.4	88	7.8	7.8	250	253	-.6	7.7
14...	0500	EST	81213	211	--	11.7	93	7.8	8.3	269	273	-2.4	5.3
28...	1050	EST	81213	120	--	10.6	81	8.0	8.3	269	268	1.5	3.6
FEB													
06...	0830	EST	81341	320	21	10.3	90	7.9	7.8	270	263	4.0	9.0
MAR													
11...	0515	EST	81341	418	17	9.3	88	7.5	7.6	230	241	5.5	12.5
APR													
08...	0430	EST	81341	721	46	7.9	81	7.5	7.5	220	228	16.1	16.3
MAY													
28...	0510	EST	81341	420	11	8.0	86	7.1	7.8	240	234	12.5	17.9
JUN													
03...	1020	EST	81213	233	--	7.8	87	7.5	8.0	250	253	25.0	19.2
10...	0500	EST	81213	178	--	7.2	82	7.4	7.9	268	275	16.0	20.7
17...	0500	EST	81341	227	46	5.9	69	7.3	7.5	250	247	20.2	22.9
JUL													
22...	0500	EST	81213	138	--	6.1	75	7.2	8.0	274	278	22.0	24.1
29...	0515	EST	81341	106	6.8	6.2	75	7.5	8.2	280	284	21.5	23.6
AUG													
05...	0500	EST	81213	84	--	6.2	75	7.3	8.0	282	287	22.0	23.3
12...	0515	EST	81341	101	7.0	6.5	77	7.6	7.9	290	291	19.8	22.7
SEP													
02...	1430	EST	81341	86	7.0	6.6	81	7.8	7.9	290	300	30.4	25.2
OCT													
21...	0500	EST	81341	60	4.2	7.3	74	7.7	7.7	310	314	10.8	14.7
NOV													
18...	0500	EST	81341	66	4.3	7.8	76	7.6	7.7	330	320	15.5	13.3
DEC													
02...	1340	EST	81213	178	--	11.2	96	7.7	8.0	285	283	9.2	8.5
09...	0430	EST	81341	217	7.0	10.2	86	7.6	7.8	280	289	1.3	7.3
15...	1000	EST	81213	380	--	10.7	92	7.3	7.9	262	263	9.7	8.0

03567340 WEST CHICKAMAUGA CREEK AT GEORGIA HIGHWAY 146, NEAR LAKEVIEW, GA—Continued

(GEORGIA EPD ID 15090001)

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Hard-ness, water, unfltrd mg/L as CaCO3 (00900)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, ECbroth water, MPN/ 100 mL (31615)
JAN									
07...	120	110	20	.040	.850	.020	<1.0	<2.0	20
14...	--	--	--	--	--	--	--	--	170
28...	--	--	--	--	--	--	--	--	170
FEB									
06...	130	120	13	<.030	.690	.040	2.3	<2.0	230
MAR									
11...	120	110	27	.050	.700	.040	2.8	<2.0	--
APR									
08...	110	100	53	.250	.420	.150	6.8	2.8	--
MAY									
28...	120	110	13	<.030	.740	.040	5.7	<2.0	270
JUN									
03...	--	--	--	--	--	--	--	--	230
10...	--	--	--	--	--	--	--	--	80
17...	110	110	62	.150	.630	.090	6.6	<2.0	3300
JUL									
22...	--	--	--	--	--	--	--	--	130
29...	120	140	14	<.030	.290	.020	6.6	<2.0	70
AUG									
05...	--	--	--	--	--	--	--	--	170
12...	130	130	11	<.030	.560	.040	7.7	<2.0	220
SEP									
02...	130	140	14	.040	.650	.080	<1.0	<2.0	--
OCT									
21...	150	140	4	<.030	.700	.030	4.6	<2.0	--
NOV									
18...	150	140	4	<.030	.550	.030	15.0	<2.0	50
DEC									
02...	--	--	--	--	--	--	--	--	110
09...	130	130	7	.050	.920	.050	5.4	<2.0	220
15...	--	--	--	--	--	--	--	--	490

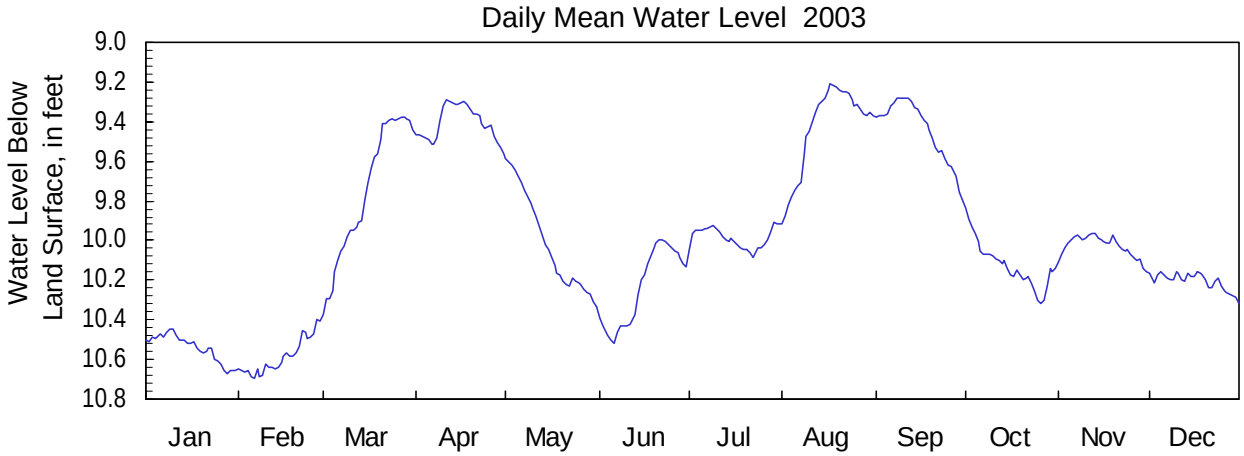
Remark codes used in this report:
< -- Less than

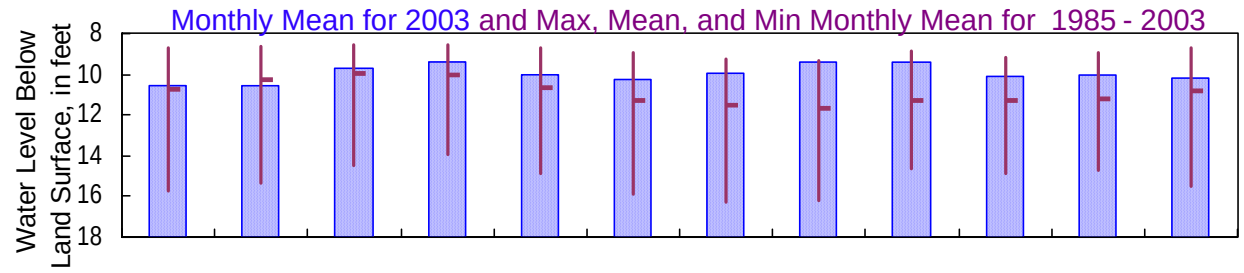
Continuous Ground-Water Data (Calendar Year)
by Aquifer

Surficial Aquifer
2003 Calendar Year

321240081411502 **Site Name: 32R003**

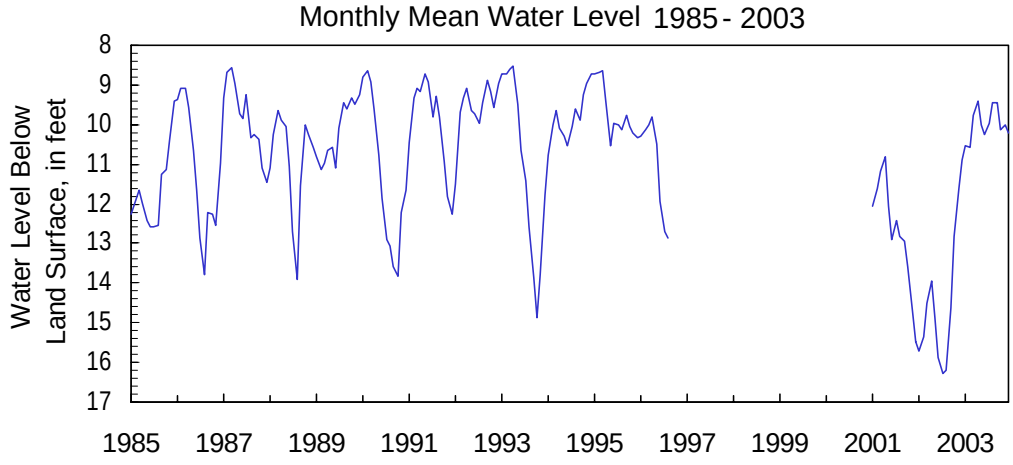
Latitude: 32°12' 40" Longitude: 81°41'15" Bulloch County Period of Record: 1985
Well Depth: 155 feet Datum: 119 feet Well Diameter: 6 inches





Monthly Water-Level Statistics

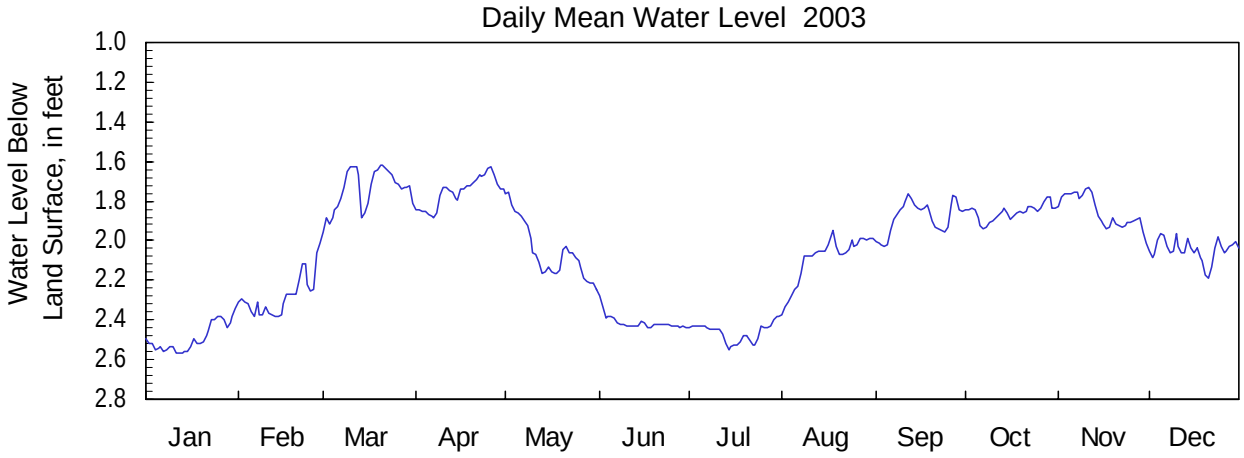
2003												
Max	10.54	10.70	10.37	9.56	10.33	10.52	10.08	9.92	9.80	10.31	10.16	10.31
Mean	10.54	10.59	9.75	9.41	10.01	10.24	9.99	9.43	9.44	10.12	10.03	10.21
Min	10.44	10.40	9.38	9.29	9.59	10.00	9.91	9.21	9.28	9.83	9.96	10.16
1985 - 2003												
Max	15.82	15.59	15.18	14.25	15.38	16.19	16.36	16.38	15.91	15.14	15.27	15.77
Mean	10.72	10.22	9.85	9.93	10.55	11.09	11.45	11.63	11.46	11.49	11.47	11.11
Min	8.55	8.40	8.41	8.28	8.52	8.42	9.07	8.98	8.73	8.93	8.84	8.62

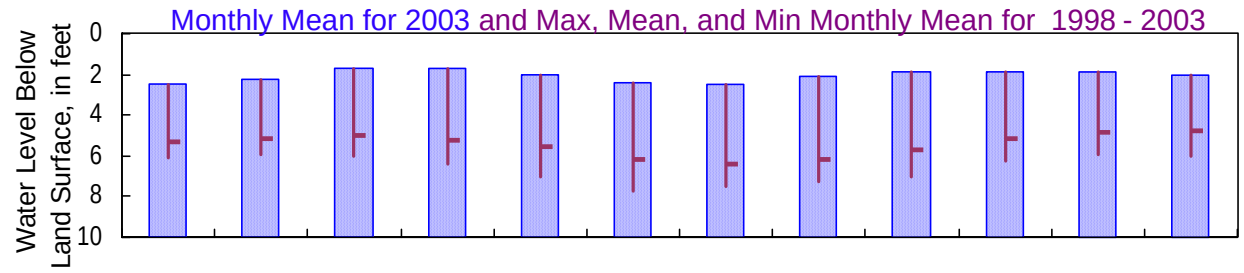


Surficial Aquifer
2003 Calendar Year

304406081330503 **Site Name: 33D072**

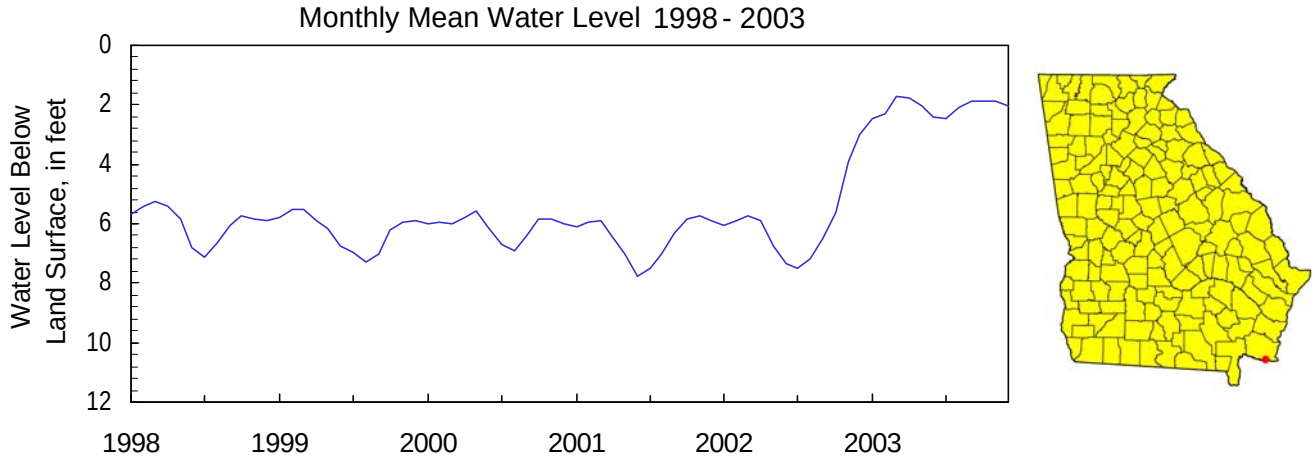
Latitude: 30°44' 06" Longitude: 81°33'05" Camden County Period of Record: 1998
Well Depth: 255 feet Datum: 9 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

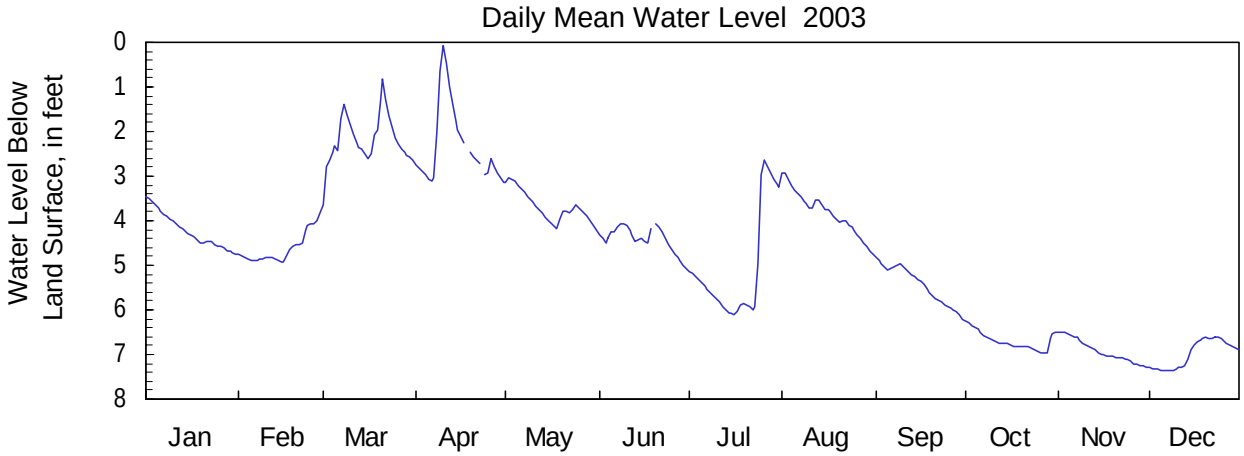
2003												
Max	2.49	2.38	1.96	1.88	2.24	2.44	2.55	2.37	2.03	1.94	2.01	2.19
Mean	2.49	2.28	1.74	1.76	2.05	2.41	2.46	2.09	1.88	1.86	1.85	2.05
Min	2.34	2.01	1.62	1.62	1.76	2.28	2.38	1.95	1.76	1.78	1.73	1.96
1998 - 2003												
Max	6.19	6.08	6.16	6.78	7.26	7.83	7.81	7.48	7.40	6.54	6.05	6.08
Mean	4.96	5.17	5.03	5.20	5.44	6.09	6.34	6.10	5.69	5.18	4.86	4.79
Min	1.85	2.01	1.62	1.62	1.76	2.28	2.38	1.95	1.76	1.78	1.73	1.96

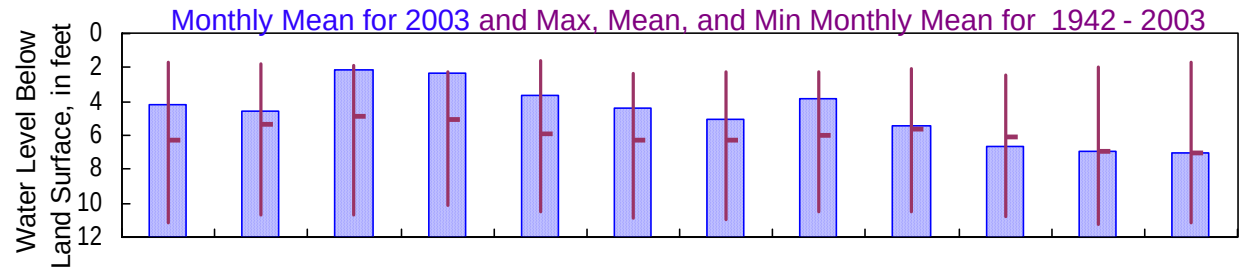


Surficial Aquifer
2003 Calendar Year

315950081161201 **Site Name: 35P094**

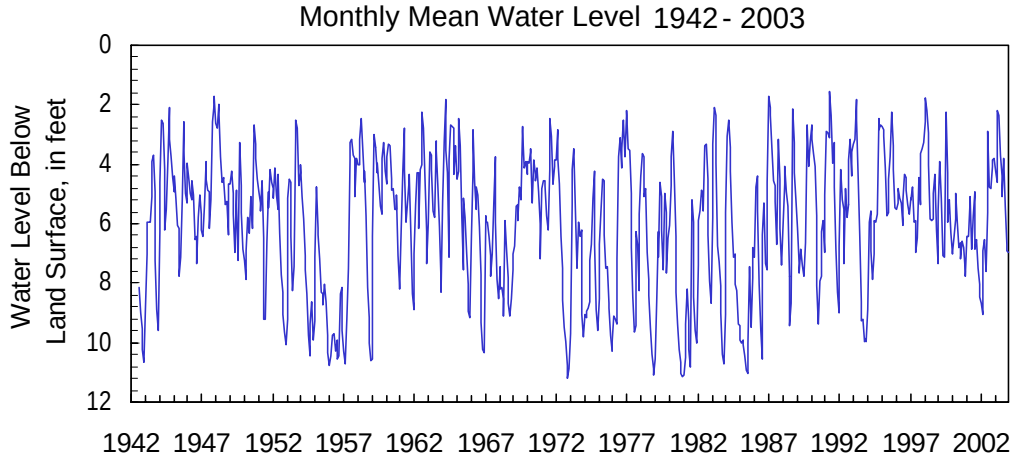
Latitude: 31°59'50" Longitude: 81°16'12" Chatham County Period of Record: 1942
Well Depth: 15 feet Datum: 18 feet Well Diameter: 30 inches





Monthly Water-Level Statistics

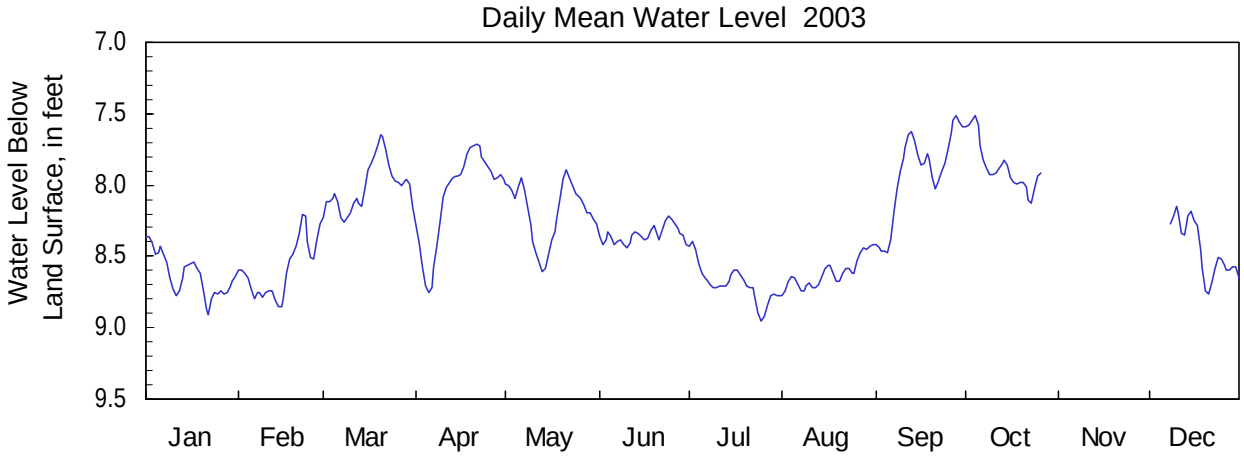
2003												
Max	4.22	4.93	3.63	3.13	4.20	5.07	6.11	4.75	6.20	6.97	7.28	7.36
Mean	4.22	4.63	2.18	2.33	3.70	4.42	5.09	3.82	5.43	6.69	6.92	6.99
Min	3.46	3.80	0.82	0.09	3.05	4.06	2.64	2.93	4.83	6.25	6.49	6.61
1942 - 2003												
Max	11.19	11.12	10.93	10.25	10.87	11.05	11.21	11.23	10.90	11.10	11.59	11.24
Mean	6.21	5.40	4.92	5.08	5.88	6.30	6.26	5.99	5.65	6.12	6.94	7.04
Min	0.33	0.51	0.16	0.09	0.28	0.00	0.12	0.17	0.05	0.28	0.00	0.07

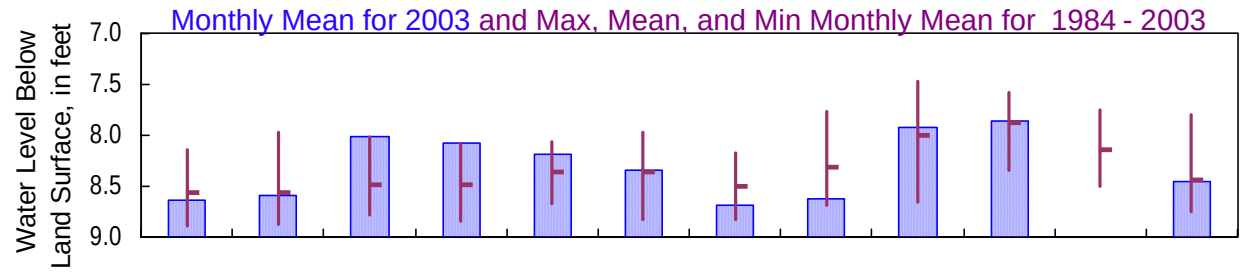


Surficial Aquifer
2003 Calendar Year

315906081011204 **Site Name: 37P116**

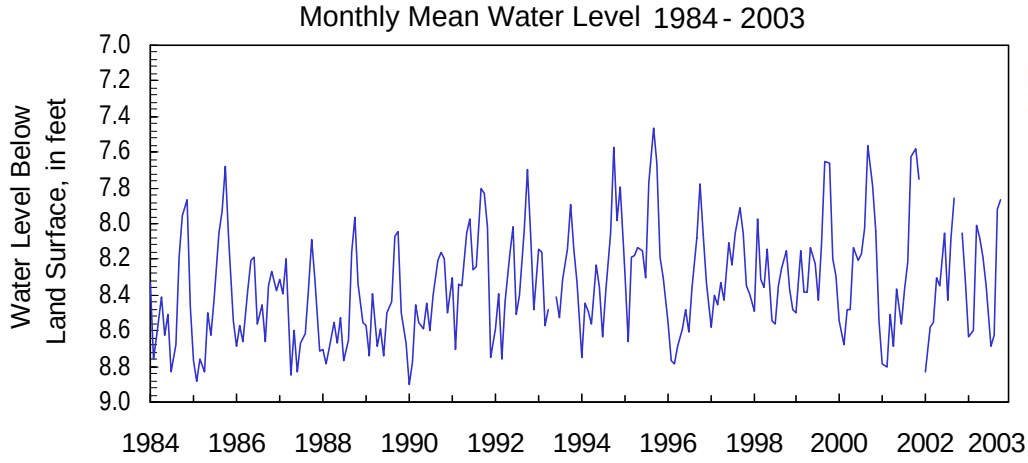
Latitude: 31°59' 06" Longitude: 81°01'12" Chatham County Period of Record: 1984
Well Depth: 85 feet Datum: 9 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

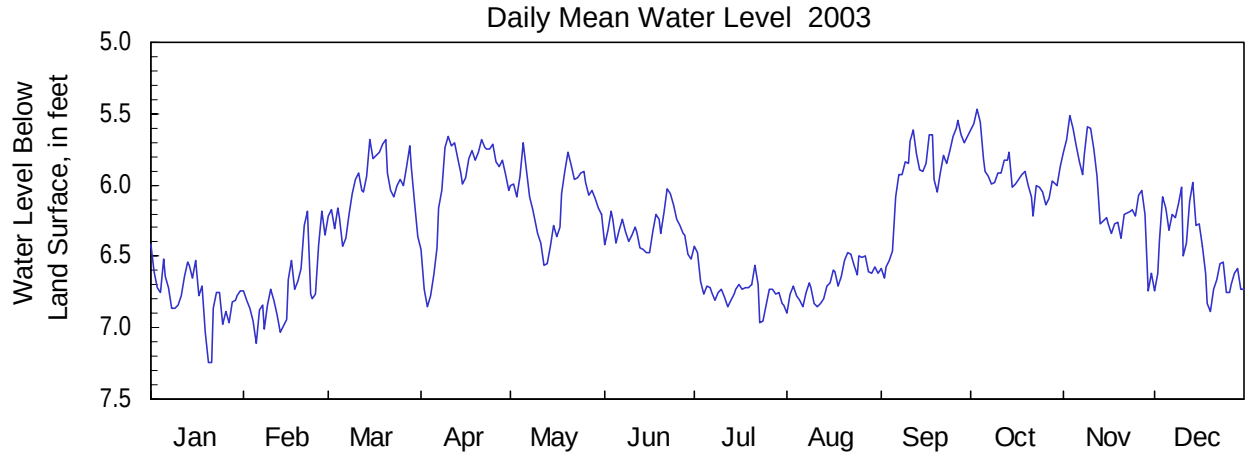
2003												
Max	8.63	8.86	8.26	8.75	8.61	8.44	8.95	8.77	8.47	8.13		8.76
Mean	8.63	8.60	8.01	8.08	8.19	8.35	8.69	8.62	7.92	7.86		8.45
Min	8.37	8.21	7.65	7.72	7.90	8.22	8.39	8.42	7.51	7.51		8.14
1984 - 2003												
Max	9.33	9.21	9.27	9.16	9.06	9.10	9.19	8.93	8.96	8.67	9.02	9.05
Mean	8.57	8.56	8.48	8.48	8.35	8.36	8.51	8.30	8.00	7.88	8.18	8.44
Min	7.43	7.59	7.65	7.72	7.60	7.44	7.82	7.05	7.03	6.93	7.20	7.39

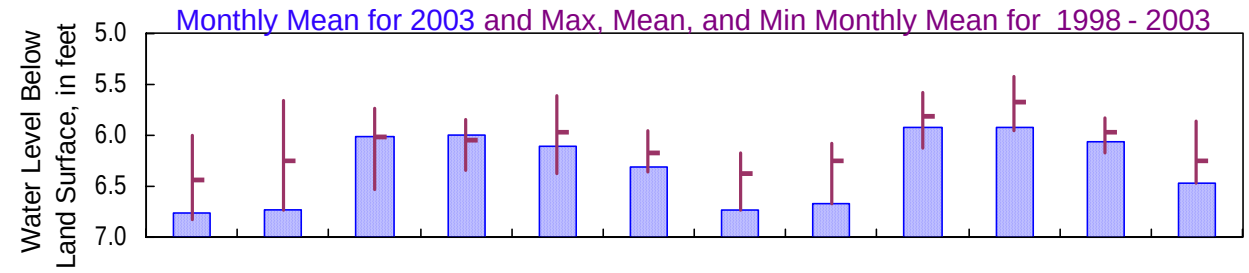


Surficial Aquifer
2003 Calendar Year

320202080541202 **Site Name: 38Q208**

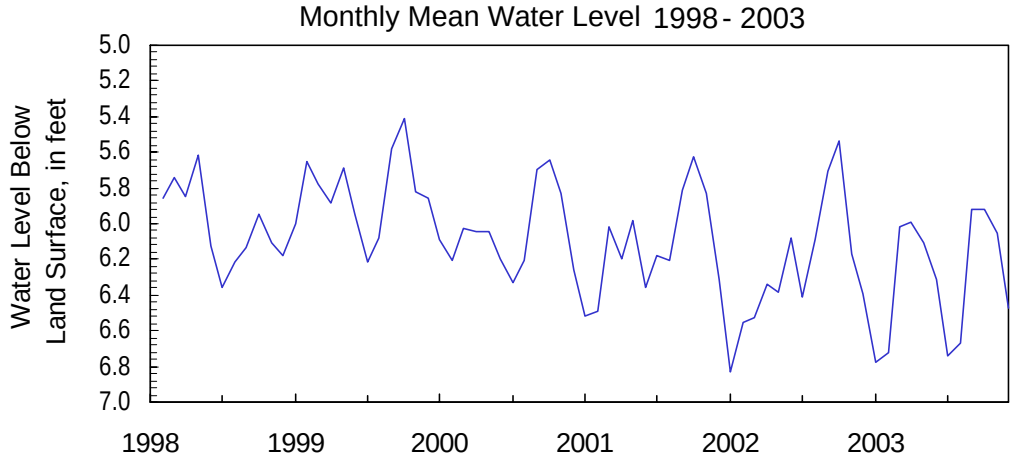
Latitude: 32°02'02" Longitude: 80°54'12" Chatham County Period of Record: 1998
Well Depth: 62 feet Datum: 3 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

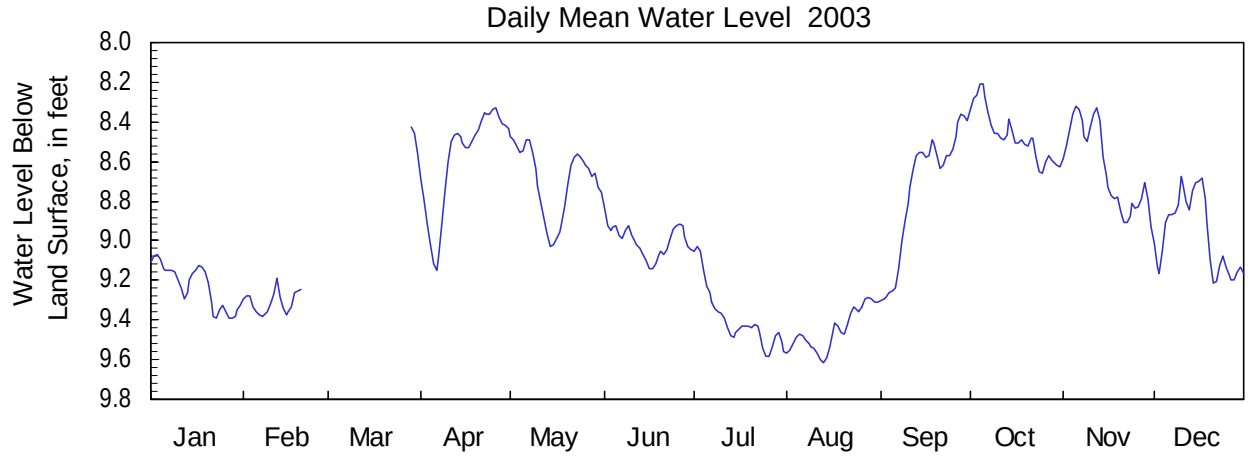
2003												
Max	6.77	7.11	6.43	6.85	6.56	6.51	6.97	6.90	6.65	6.22	6.74	6.89
Mean	6.77	6.73	6.02	6.00	6.10	6.31	6.74	6.67	5.92	5.92	6.06	6.47
Min	6.42	6.18	5.68	5.65	5.70	6.03	6.43	6.47	5.55	5.47	5.51	5.98
1998 - 2003												
Max	7.25	7.11	7.00	6.85	6.83	6.63	6.97	6.90	7.03	6.22	6.74	6.89
Mean	6.46	6.25	6.02	6.05	5.97	6.17	6.37	6.24	5.81	5.68	5.97	6.25
Min	5.76	5.42	5.39	5.59	5.35	5.69	5.74	5.47	5.32	4.66	5.46	5.69

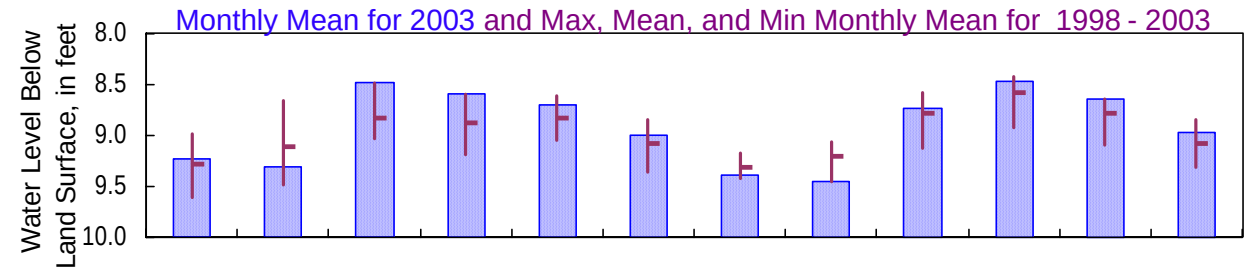


Surficial Aquifer
2003 Calendar Year

320202080541203 **Site Name: 38Q209**

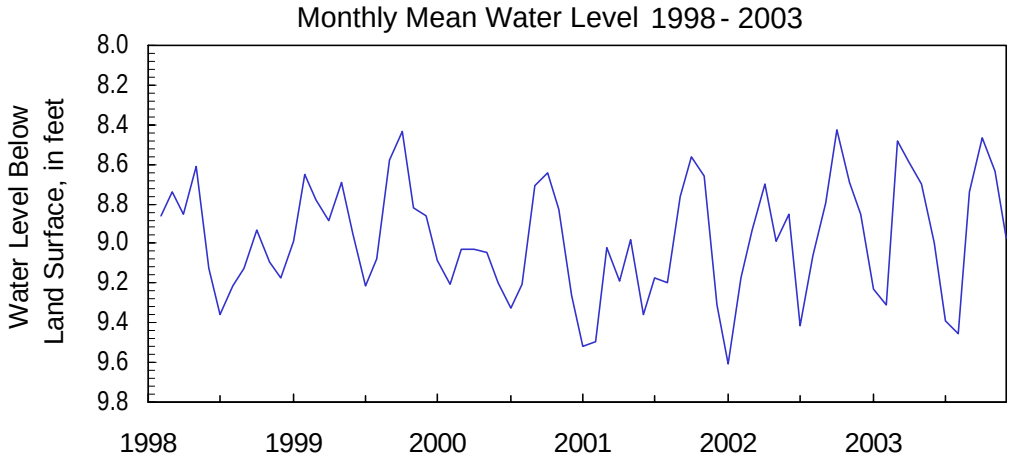
Latitude: 32°02' 02" Longitude: 80°54'12" Chatham County Period of Record: 1998
Well Depth: 102 feet Datum: 3 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

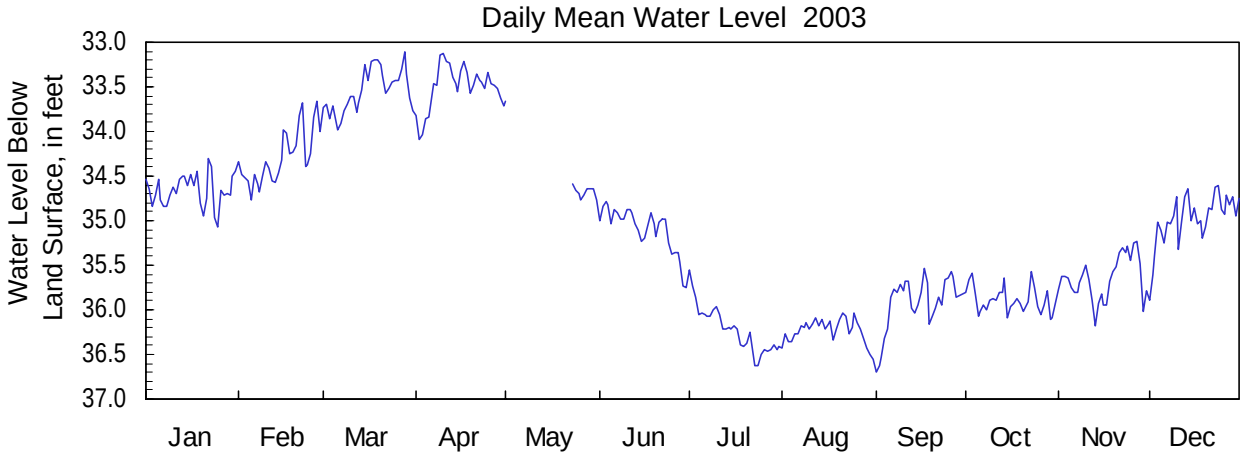
2003												
Max	9.23	9.39	8.57	9.15	9.03	9.14	9.59	9.61	9.30	8.66	8.93	9.21
Mean	9.23	9.31	8.48	8.59	8.70	9.00	9.39	9.45	8.74	8.47	8.63	8.97
Min	9.07	9.19	8.43	8.33	8.47	8.84	9.03	9.28	8.36	8.21	8.32	8.68
1998 - 2003												
Max	9.88	9.72	9.40	9.37	9.25	9.57	9.73	9.66	9.37	8.99	9.36	9.68
Mean	9.28	9.11	8.89	8.87	8.83	9.08	9.31	9.20	8.78	8.58	8.79	9.04
Min	8.76	8.42	8.39	8.33	8.35	8.65	8.74	8.61	8.35	8.04	8.32	8.59

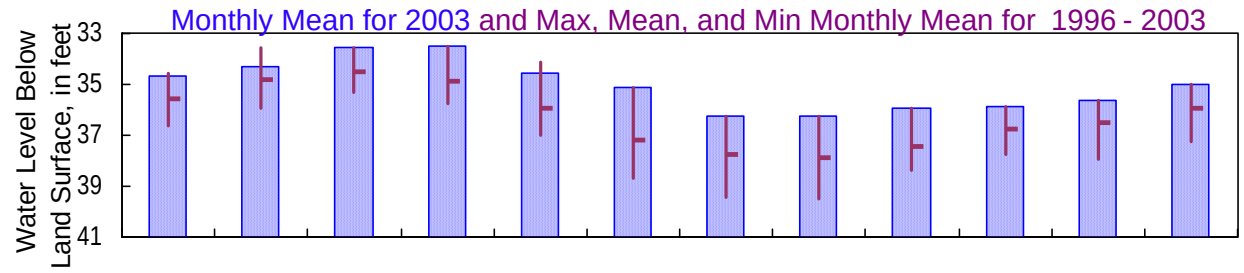


Surficial Aquifer
2003 Calendar Year

320127080511202 **Site Name: 39Q025**

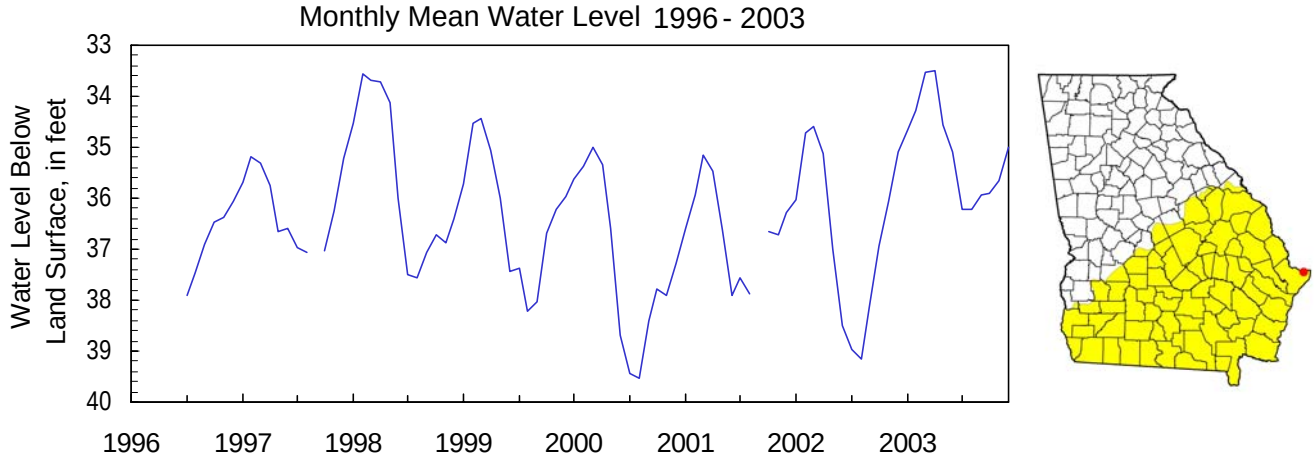
Latitude: 32°01' 27" Longitude: 80°51'12" Chatham County Period of Record: 1996
Well Depth: 145 feet Datum: 9 feet Well Diameter: 6 inches





Monthly Water-Level Statistics

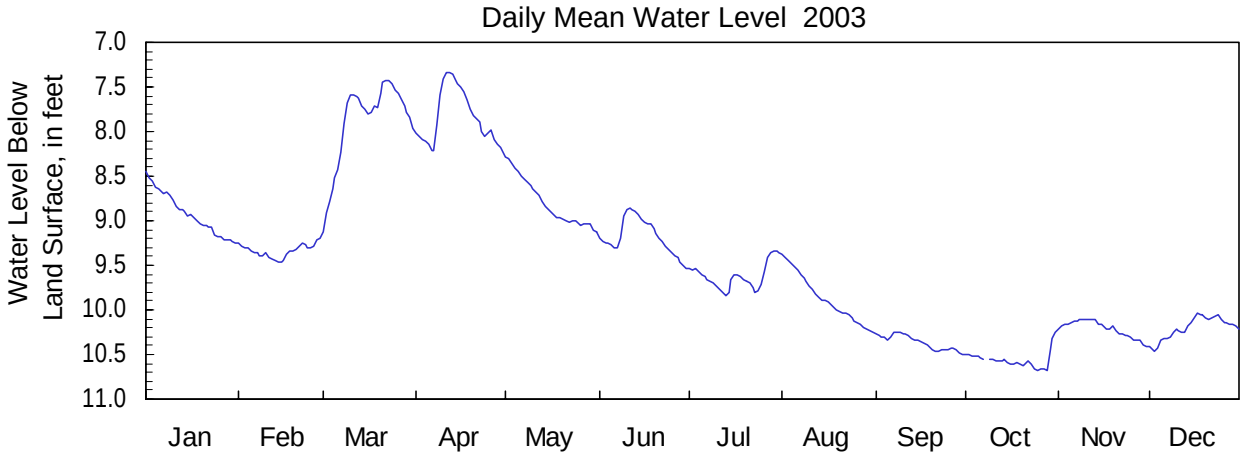
2003												
Max	34.66	34.77	33.99	34.10	34.77	35.74	36.63	36.56	36.70	36.10	36.17	35.90
Mean	34.66	34.29	33.54	33.50	34.58	35.10	36.22	36.23	35.92	35.89	35.65	34.99
Min	34.30	33.67	33.11	33.12	33.66	34.78	35.56	36.03	35.53	35.57	35.24	34.61
1996 - 2003												
Max	37.34	36.49	35.78	36.25	37.75	39.34	39.97	40.05	39.14	38.00	38.25	37.72
Mean	35.44	34.81	34.56	34.96	36.08	37.18	37.75	37.94	37.41	36.77	36.51	35.92
Min	33.73	33.00	33.11	33.12	33.56	34.78	35.56	36.03	35.53	35.57	35.24	34.58

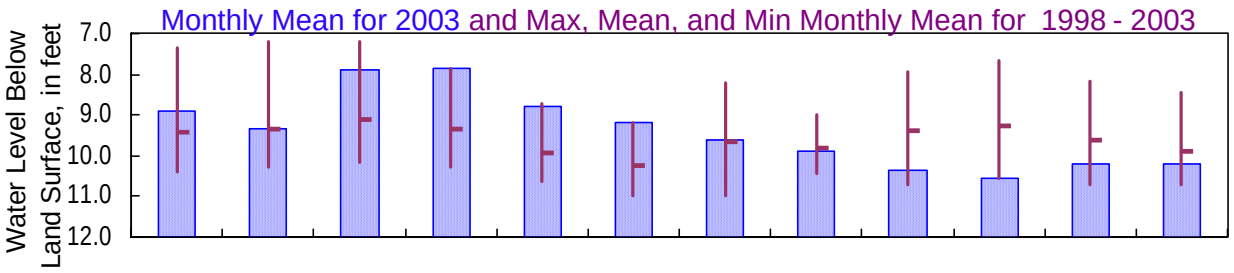


Surficial Aquifer
2003 Calendar Year

320127080511205 **Site Name: 39Q029**

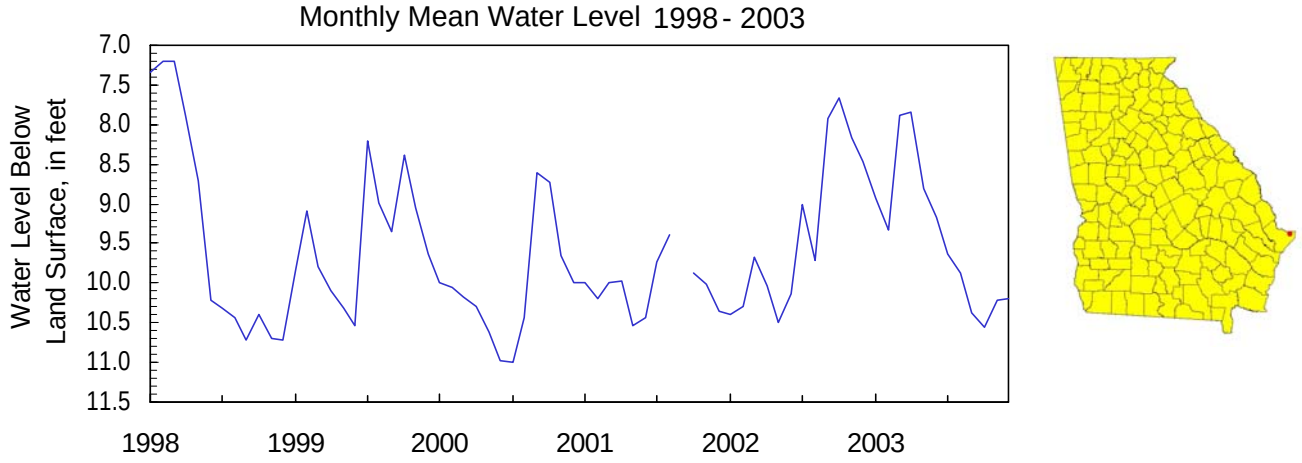
Latitude: 32°01'27" Longitude: 80°51'12" Chatham County Period of Record: 1998
Well Depth: 37 feet Datum: 9 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

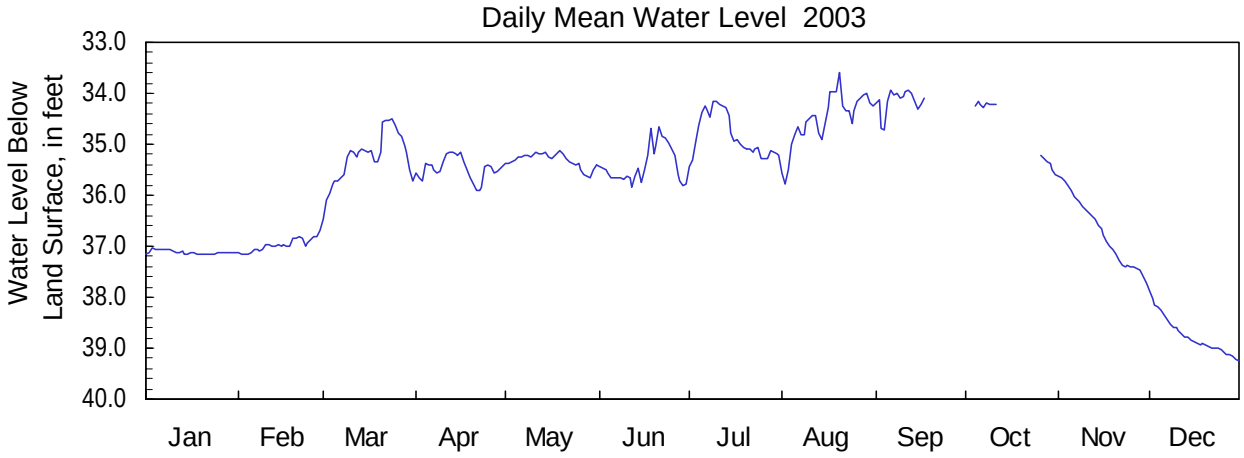
2003												
Max	8.92	9.47	9.13	8.25	9.13	9.53	9.83	10.26	10.50	10.68	10.41	10.47
Mean	8.92	9.34	7.89	7.85	8.80	9.18	9.63	9.87	10.37	10.56	10.21	10.20
Min	8.45	9.20	7.42	7.33	8.28	8.87	9.33	9.38	10.24	10.26	10.11	10.04
1998 - 2003												
Max	10.55	10.51	10.33	10.45	10.78	11.18	11.30	10.72	10.75	10.68	10.81	10.87
Mean	9.84	9.36	9.12	9.36	9.99	10.26	9.56	9.74	9.14	9.07	9.63	9.89
Min	7.34	6.54	6.79	7.33	8.28	8.24	7.52	8.26	7.41	6.98	7.89	8.32

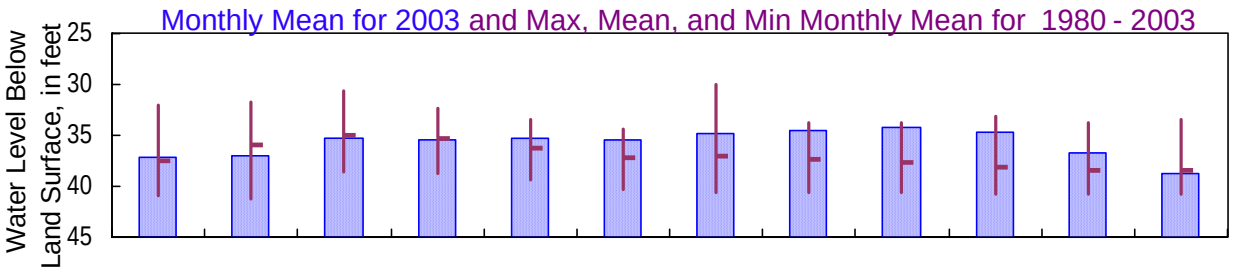


Surficial Aquifer
2003 Calendar Year

310428084310503 **Site Name: 09G003**

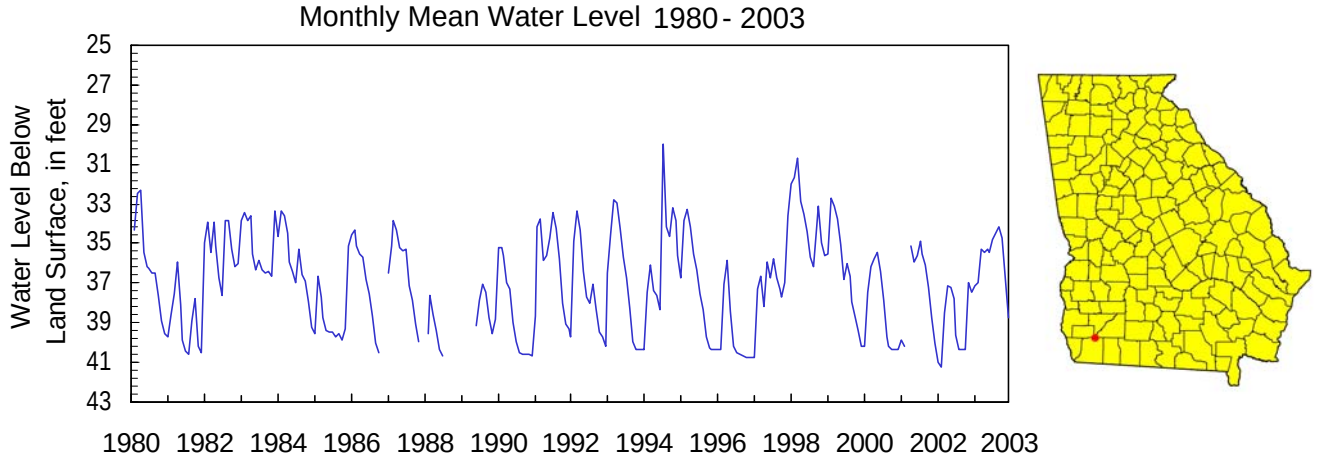
Latitude: 31°04' 28" Longitude: 84°31'05" Decatur County Period of Record: 1980
Well Depth: 40 feet Datum: 145 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

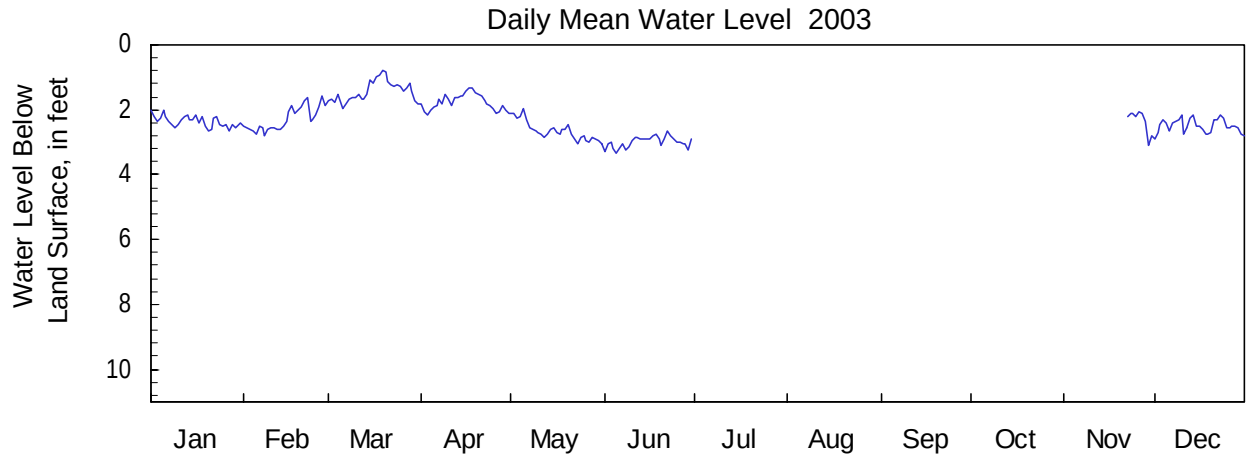
2003												
Max	37.12	37.15	36.47	35.91	35.64	35.85	35.44	35.78	34.71	35.58	37.73	39.25
Mean	37.12	36.98	35.26	35.48	35.32	35.41	34.84	34.50	34.16	34.71	36.71	38.75
Min	37.05	36.67	34.51	35.15	35.11	34.66	34.15	33.60	33.94	34.17	35.63	37.86
1980 - 2003												
Max	41.20	41.20	41.20	39.67	40.05	40.75	40.69	40.64	40.72	40.72	40.73	41.42
Mean	37.53	35.81	34.96	35.41	36.17	37.13	36.88	37.30	37.82	38.26	38.46	38.36
Min	31.21	31.00	25.65	29.12	32.86	31.62	20.56	31.73	30.74	31.00	33.42	31.80

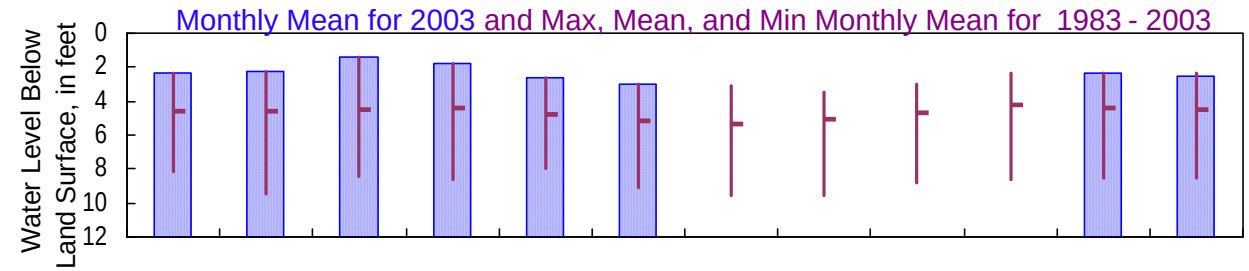


Surficial Aquifer
2003 Calendar Year

310925081312203 **Site Name: 33H208**

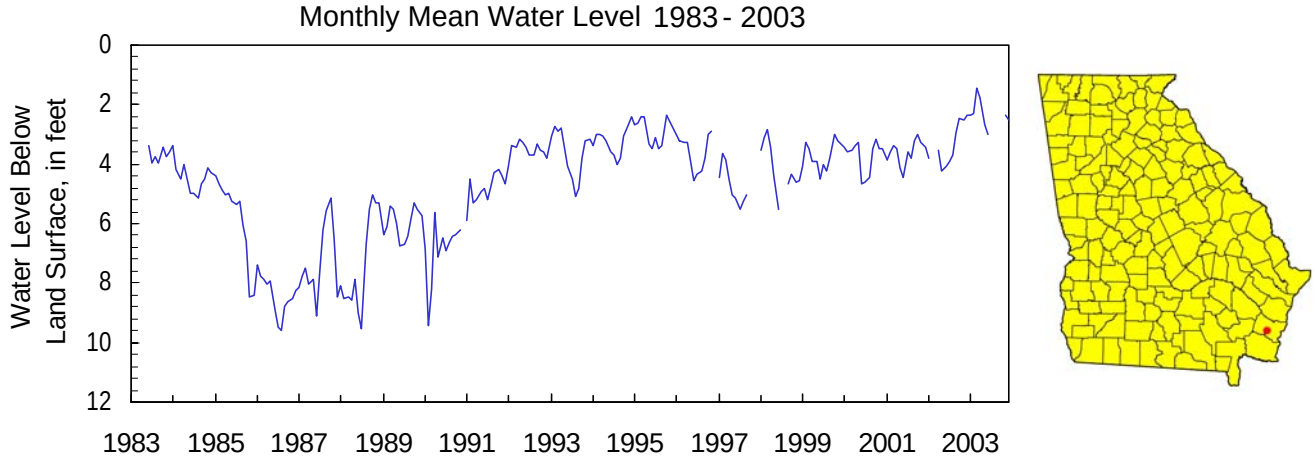
Latitude: 31°09' 25" Longitude: 81°31'22" Glynn County Period of Record: 1983
Well Depth: 155 feet Datum: 6 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

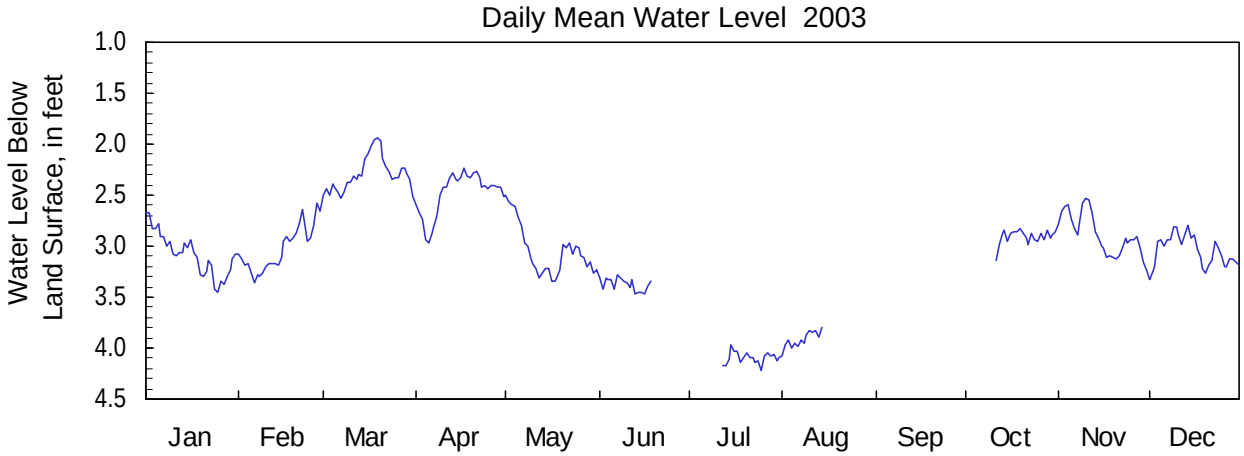
2003												
Max	2.36	2.80	1.95	2.14	3.06	3.33					3.08	2.90
Mean	2.36	2.29	1.43	1.76	2.65	2.99					2.34	2.50
Min	2.01	1.58	0.77	1.31	1.98	2.67					2.05	2.16
1983 - 2003												
Max	9.44	9.93	9.38	8.96	8.74	9.56	9.97	10.04	9.12	8.92	8.92	9.16
Mean	4.60	4.61	4.47	4.50	4.80	5.30	5.39	5.07	4.70	4.29	4.45	4.48
Min	2.01	1.58	0.77	1.31	1.98	2.67	2.44	2.27	2.30	1.66	2.05	1.87

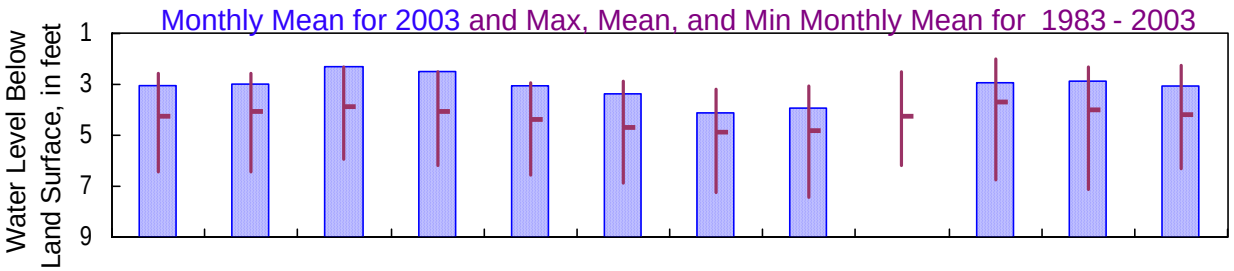


Surficial Aquifer
2003 Calendar Year

310901081284403 **Site Name: 34H438**

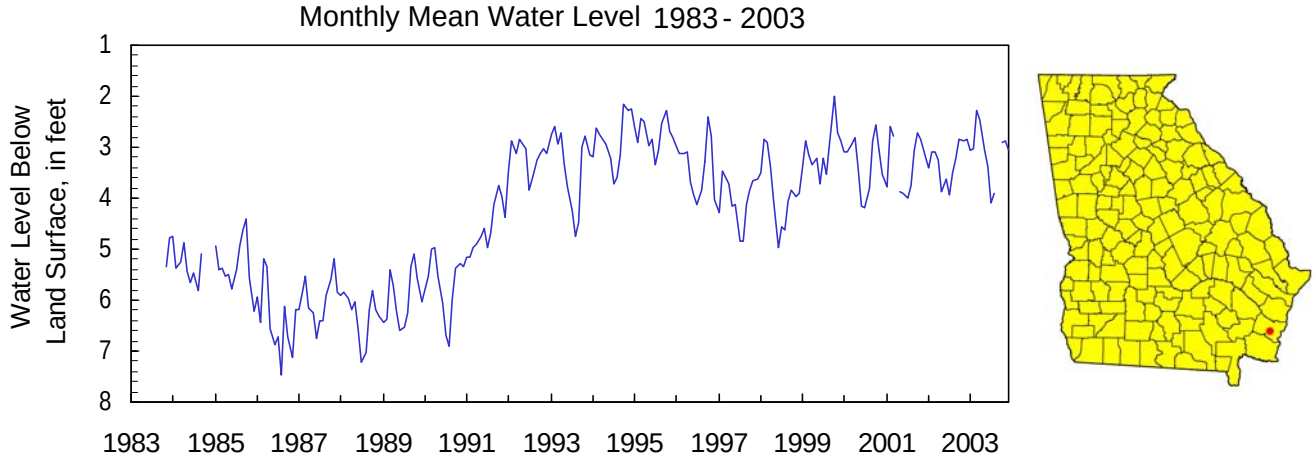
Latitude: 31°09'01" Longitude: 81°28'44" Glynn County Period of Record: 1983
Well Depth: 202 feet Datum: 6 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

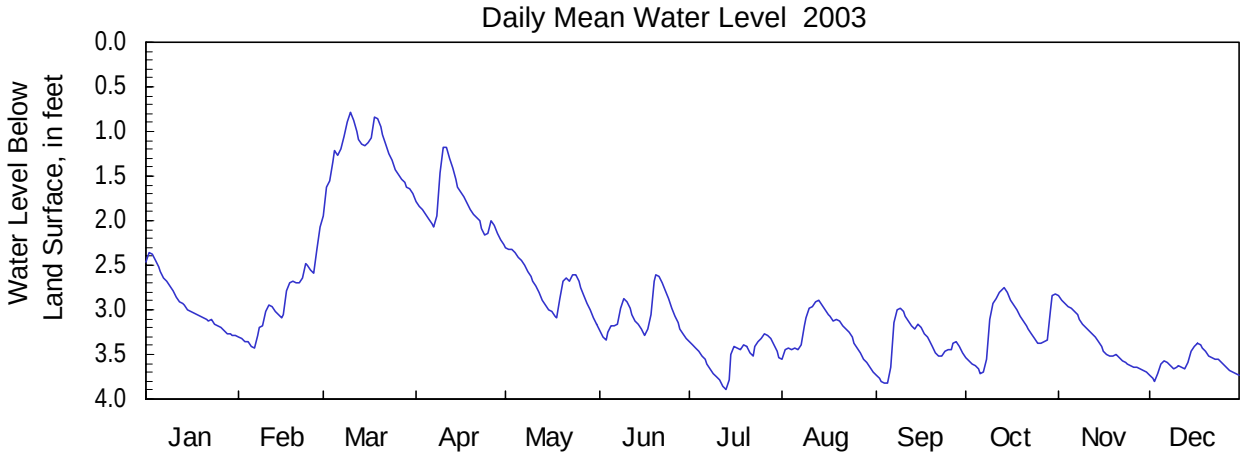
2003												
Max	3.08	3.37	2.54	2.97	3.34	3.47	4.22	4.08		3.13	3.23	3.32
Mean	3.08	3.03	2.29	2.48	3.05	3.38	4.10	3.92		2.91	2.89	3.05
Min	2.68	2.58	1.93	2.23	2.49	3.28	3.96	3.80		2.82	2.53	2.80
1983 - 2003												
Max	7.21	7.02	6.26	6.42	7.06	7.67	8.13	7.93	7.15	7.36	7.65	6.82
Mean	4.21	4.12	3.94	4.03	4.47	4.71	4.89	4.76	4.23	3.72	3.92	4.17
Min	1.97	1.92	1.93	2.23	2.49	2.64	2.78	2.49	1.96	1.13	1.86	1.87

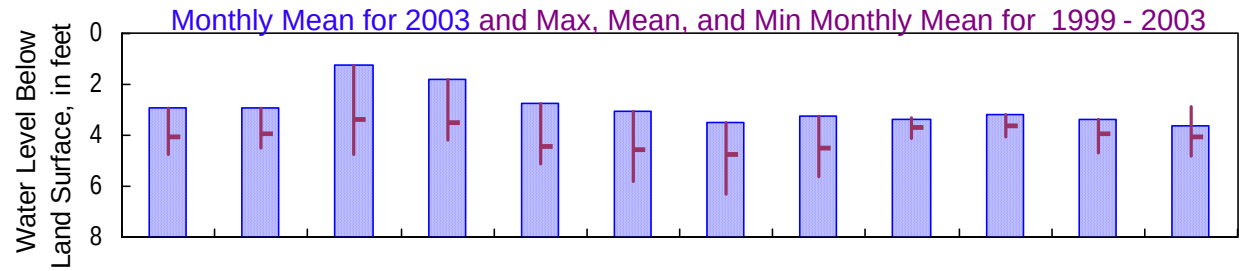


Surficial Aquifer
2003 Calendar Year

311059081285702 **Site Name: 34H492**

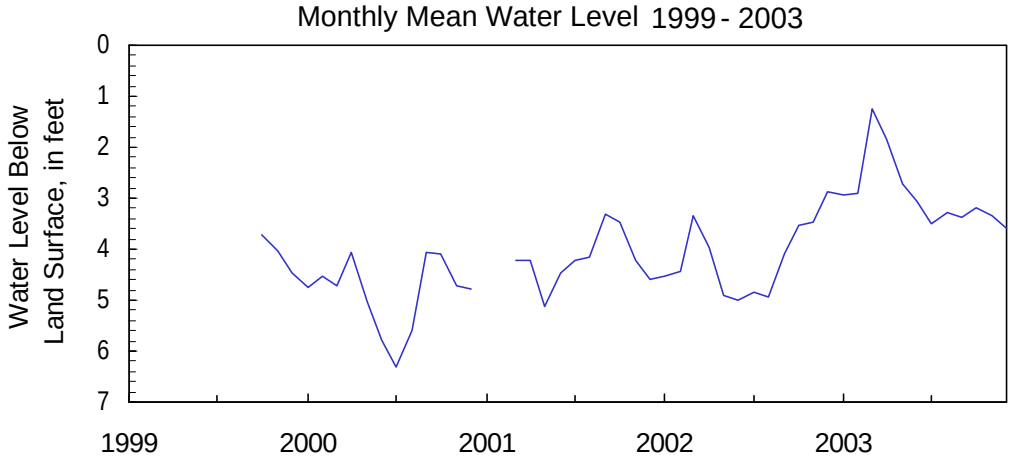
Latitude: 31°10' 59" Longitude: 81°28'58" Glynn County Period of Record: 1999
Well Depth: 48.5 feet Datum: 13 feet Well Diameter: 2 inches





Monthly Water-Level Statistics

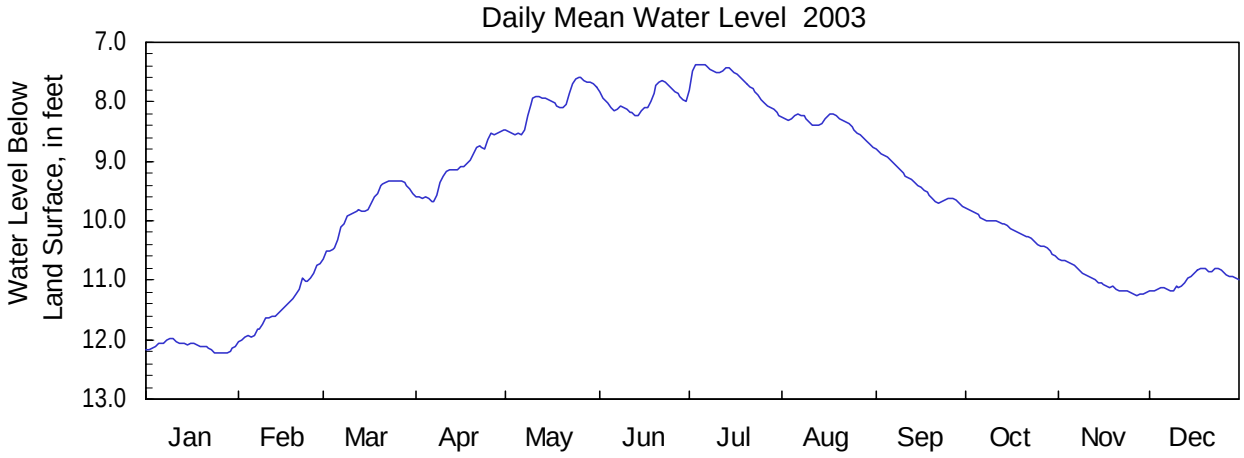
2003												
Max	2.93	3.43	1.94	2.27	3.17	3.33	3.88	3.69	3.83	3.72	3.70	3.80
Mean	2.93	2.92	1.25	1.84	2.73	3.06	3.51	3.27	3.38	3.20	3.35	3.60
Min	2.36	2.07	0.78	1.18	2.30	2.60	3.27	2.90	2.98	2.75	2.84	3.38
1999 - 2003												
Max	4.90	4.69	4.91	4.65	5.51	5.95	6.54	6.62	5.38	4.51	4.85	4.84
Mean	4.04	3.97	3.39	3.52	4.45	4.58	4.73	4.50	3.72	3.58	3.95	3.95
Min	2.36	2.07	0.78	1.18	2.30	2.60	3.27	2.90	2.44	2.75	2.84	2.46

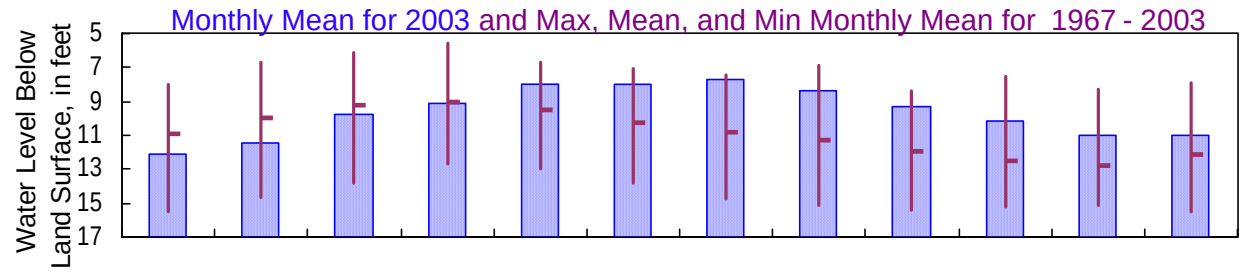


Surficial Aquifer
2003 Calendar Year

330858084122901 **Site Name: 12Z001**

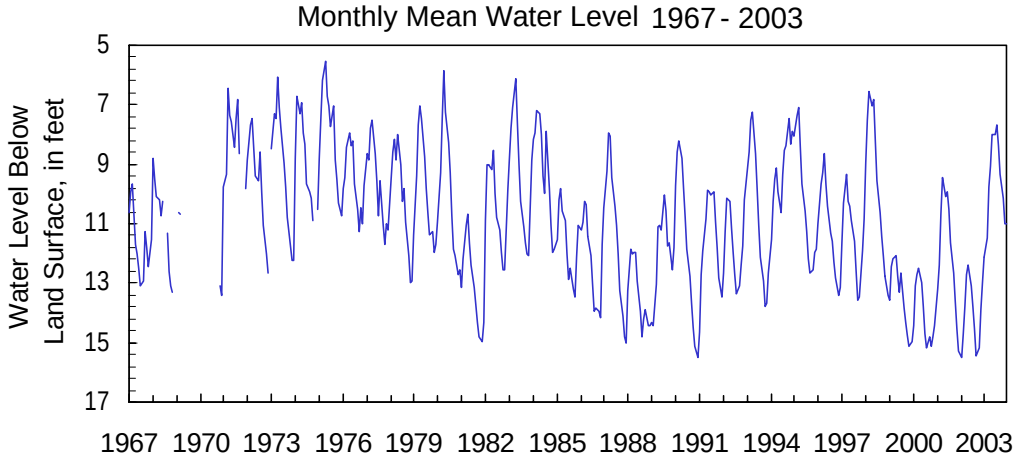
Latitude: 33°08' 58" Longitude: 84° 12 '29" Lamar County Period of Record: 1967
Well Depth: 31 feet Datum: 852 feet Well Diameter: 24 inches





Monthly Water-Level Statistics

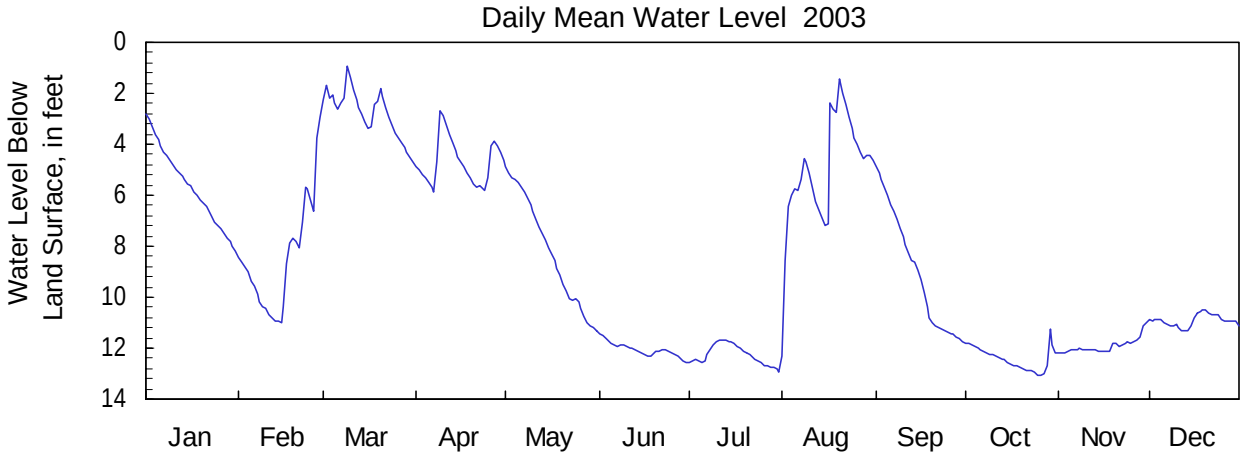
2003												
Max	12.11	12.04	10.64	9.68	8.55	8.23	8.23	8.76	9.76	10.60	11.25	11.18
Mean	12.11	11.46	9.79	9.09	8.02	7.97	7.67	8.37	9.36	10.16	11.01	10.99
Min	11.98	10.71	9.32	8.47	7.59	7.65	7.37	8.20	8.81	9.79	10.63	10.79
1967 - 2003												
Max	15.68	14.90	14.44	13.13	13.38	14.27	15.11	15.34	15.67	15.86	15.39	15.62
Mean	11.02	9.77	9.11	8.96	9.56	10.36	10.92	11.36	12.10	12.55	12.71	12.18
Min	7.27	5.96	5.18	4.96	6.25	6.53	7.27	6.09	7.52	6.85	7.68	7.70

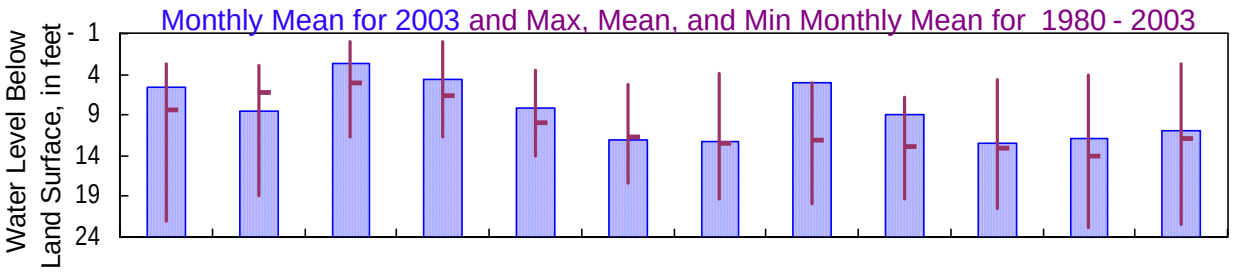


Surficial Aquifer
2003 Calendar Year

311009084495503 **Site Name: 07H003**

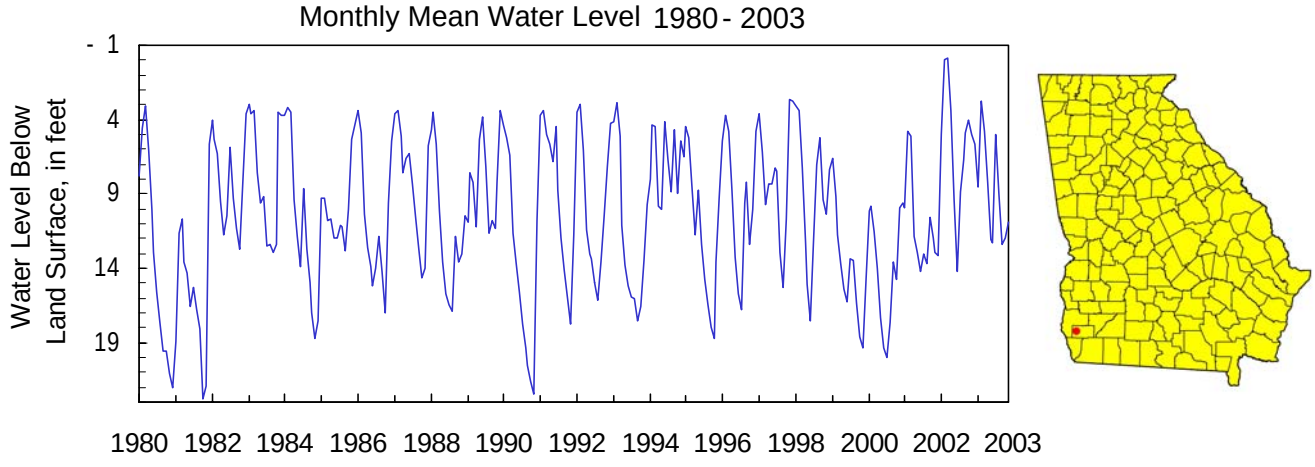
Latitude: 31°10' 08" Longitude: 84°49'54" Miller County Period of Record: 1980
Well Depth: 40 feet Datum: 167 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

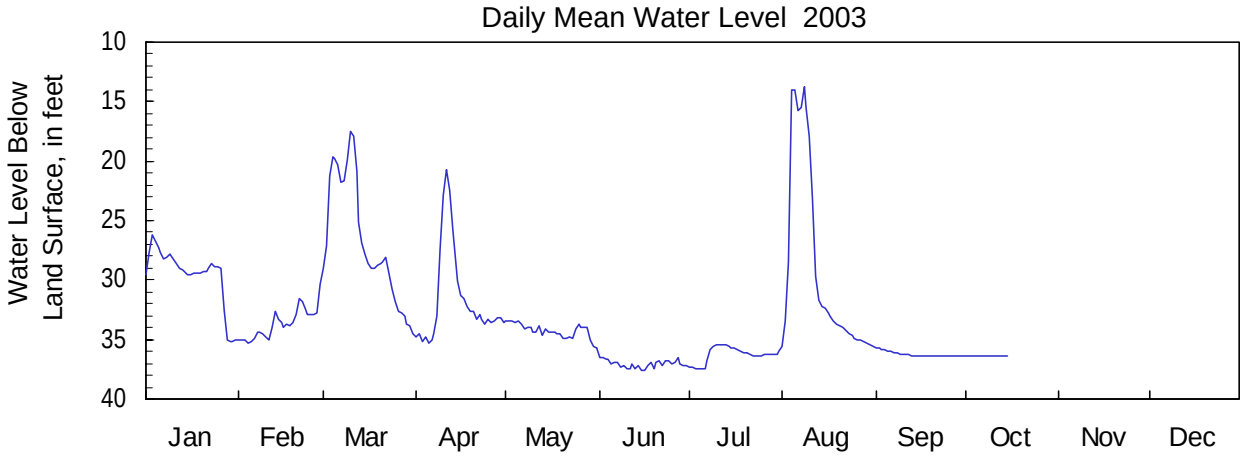
2003												
Max	5.67	10.98	4.70	5.88	11.30	12.58	12.91	12.33	11.74	13.06	12.20	11.34
Mean	5.67	8.48	2.76	4.74	8.22	12.05	12.27	4.98	8.99	12.41	11.93	10.92
Min	2.78	2.92	0.93	2.70	4.85	11.42	11.68	1.43	4.85	11.28	10.99	10.48
1980 - 2003												
Max	22.78	22.84	13.11	15.49	15.52	18.93	19.79	20.59	20.73	21.01	24.19	22.73
Mean	8.47	6.20	5.03	6.52	10.00	11.61	12.43	12.09	12.92	13.01	13.92	11.86
Min	0.25	0.76	-4.52	-4.23	1.86	1.32	1.50	1.43	0.41	1.34	1.37	0.50

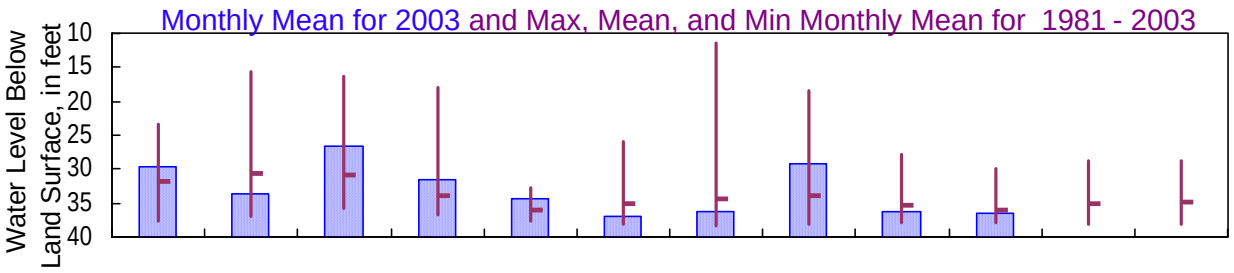


Surficial Aquifer
2003 Calendar Year

311802084192303 **Site Name: 11J013**

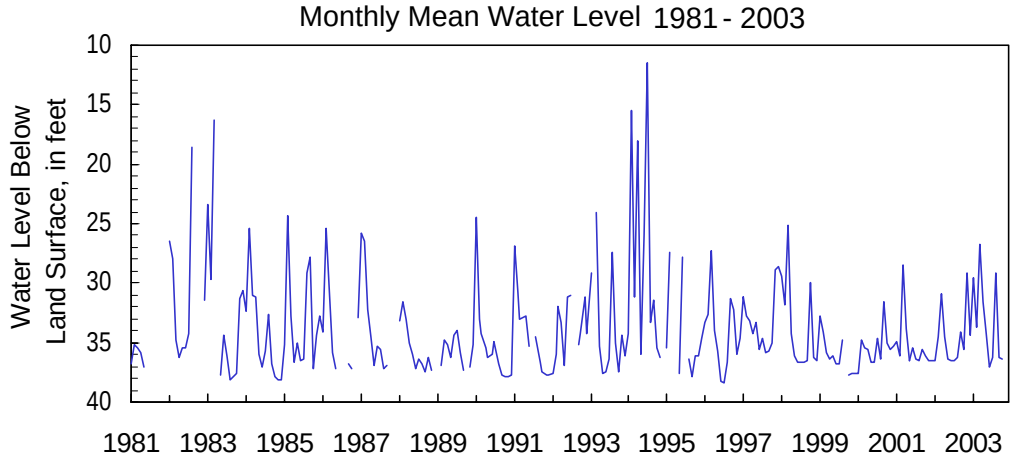
Latitude: 31°18' 02" Longitude: 84°19'23" Mitchell County Period of Record: 1981
Well Depth: 38.38 feet Datum: 165 feet Well Diameter: 6 inches





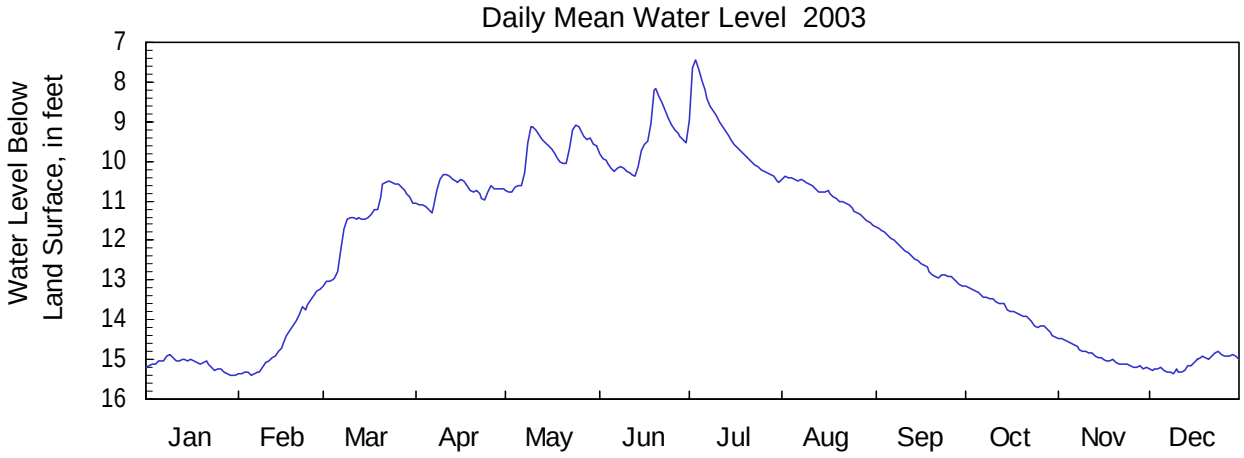
Monthly Water-Level Statistics

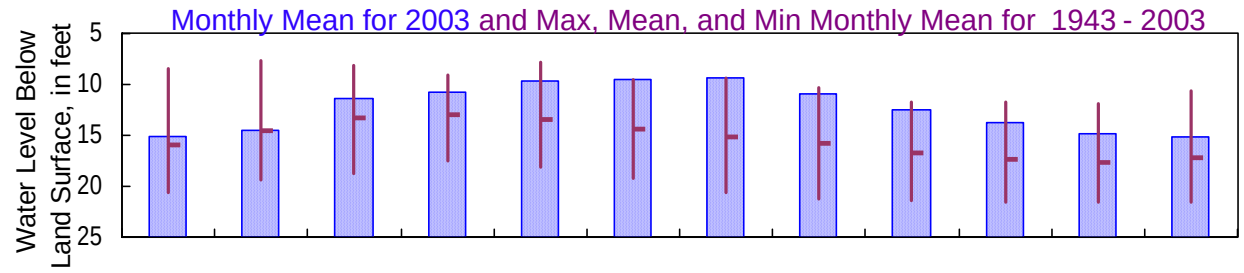
2003												
Max	29.58	35.26	34.49	35.33	35.75	37.58	37.49	35.55	36.43	36.45		
Mean	29.58	33.66	26.75	31.63	34.27	37.05	36.27	29.14	36.26	36.43		
Min	26.18	30.41	17.52	20.67	33.40	36.47	35.39	13.70	35.65	36.42		
1981 - 2003												
Max	38.19	37.92	37.16	37.56	38.00	38.35	38.35	38.37	38.31	38.12	38.19	38.19
Mean	31.85	31.15	31.74	34.48	36.00	35.00	35.20	34.96	35.10	35.70	34.98	34.86
Min	11.93	14.77	9.40	17.73	28.65	16.42	10.00	10.02	17.13	10.15	12.34	16.62



Surficial Aquifer
2003 Calendar Year
331507084171801 Site Name: 11AA01

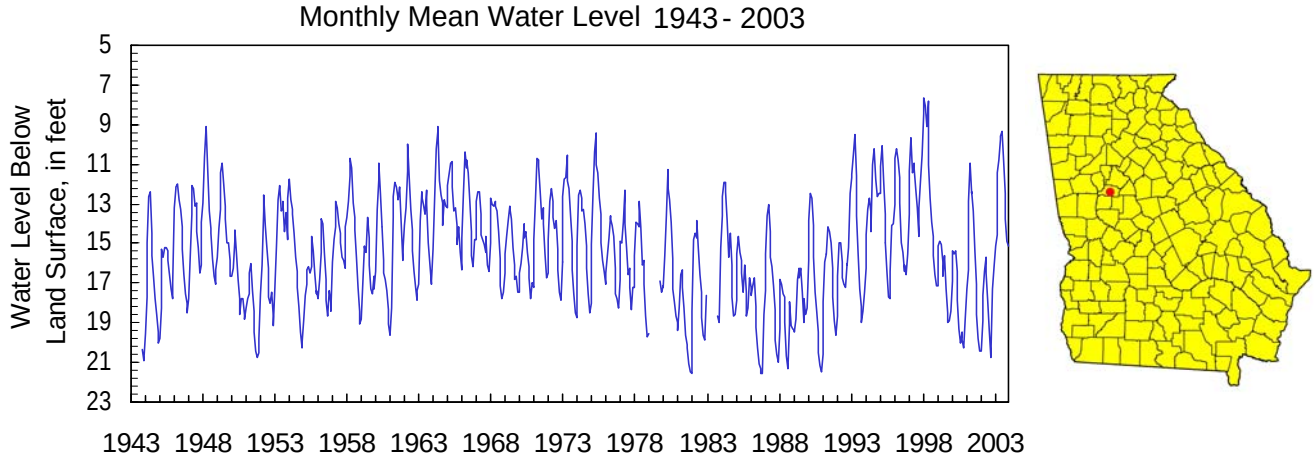
Latitude: 33°15'54" Longitude: 84°16'56" Spalding County Period of Record: 1943
Well Depth: 30 feet Datum: 9 feet Well Diameter: 4 feet





Monthly Water-Level Statistics

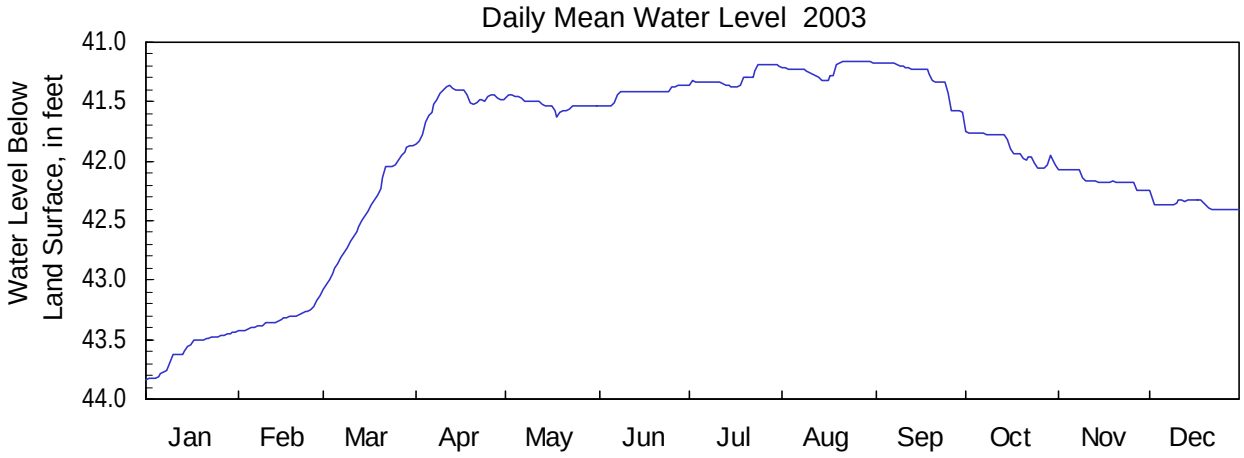
2003												
Max	15.12	15.41	13.13	11.29	10.79	10.36	10.55	11.61	13.15	14.44	15.24	15.34
Mean	15.12	14.54	11.46	10.75	9.76	9.56	9.36	10.87	12.47	13.76	14.92	15.09
Min	14.89	13.25	10.50	10.35	9.09	8.16	7.45	10.39	11.66	13.15	14.46	14.81
1943 - 2003												
Max	21.40	19.71	19.24	18.26	18.80	19.82	21.28	21.38	21.43	21.70	21.82	21.78
Mean	15.99	14.58	13.35	12.93	13.48	14.33	15.12	15.85	16.71	17.26	17.68	17.24
Min	7.64	5.82	5.09	7.95	7.19	8.16	7.45	9.87	10.85	11.12	11.30	8.54

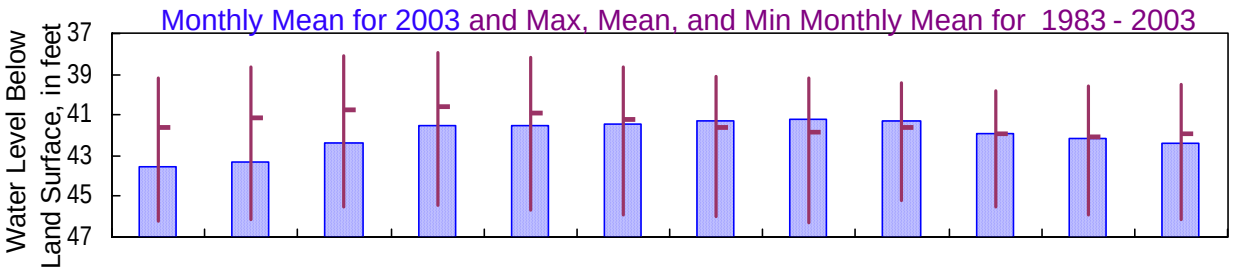


Surficial Aquifer
2003 Calendar Year

313253081433504 **Site Name: 32L017**

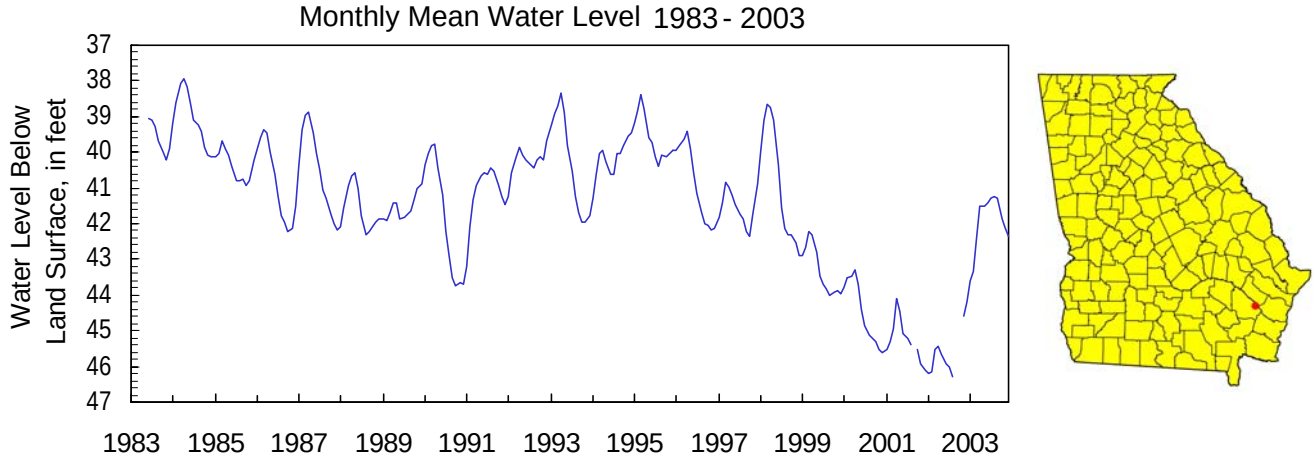
Latitude: 31°32' 52" Longitude: 81°43'36" Wayne County Period of Record: 1983
Well Depth: 215 feet Datum: 73 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

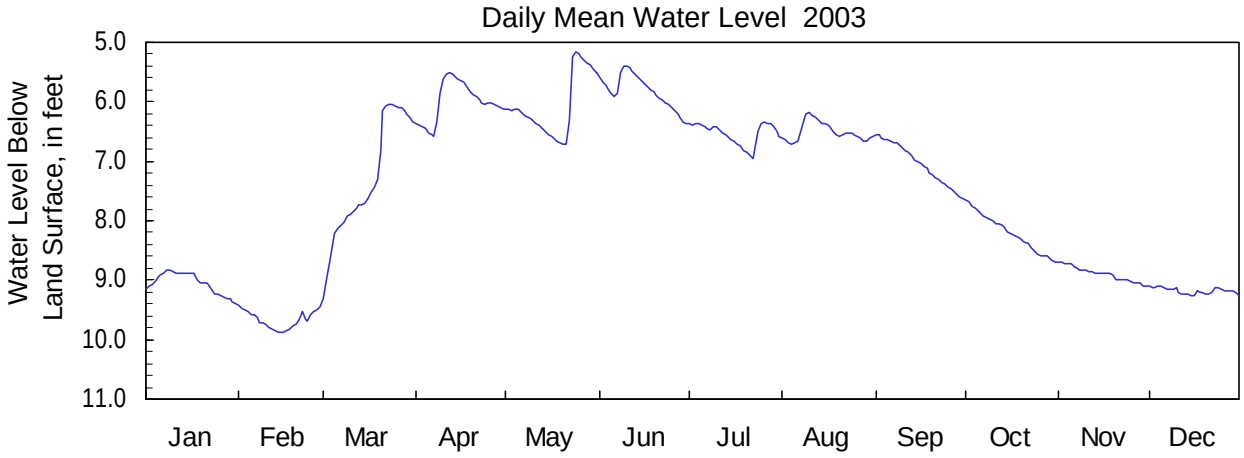
2003												
Max	43.59	43.43	43.08	41.86	41.63	41.54	41.37	41.32	41.59	42.06	42.25	42.41
Mean	43.59	43.33	42.42	41.50	41.52	41.43	41.30	41.22	41.29	41.89	42.16	42.37
Min	43.44	43.12	41.87	41.37	41.44	41.36	41.19	41.16	41.17	41.74	42.07	42.25
1983 - 2003												
Max	46.26	46.28	45.88	45.47	45.81	46.09	46.16	46.38	45.33	45.88	46.05	46.14
Mean	41.60	41.12	40.72	40.58	40.90	41.31	41.63	41.76	41.58	41.91	42.04	41.95
Min	38.82	38.38	37.72	37.85	37.99	38.32	38.78	39.07	39.00	39.52	39.47	39.19

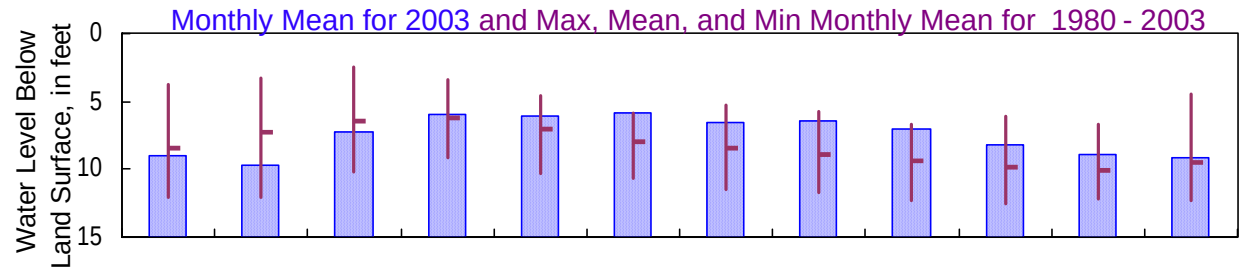


Surficial Aquifer
2003 Calendar Year

314330084005403 **Site Name: 13M007**

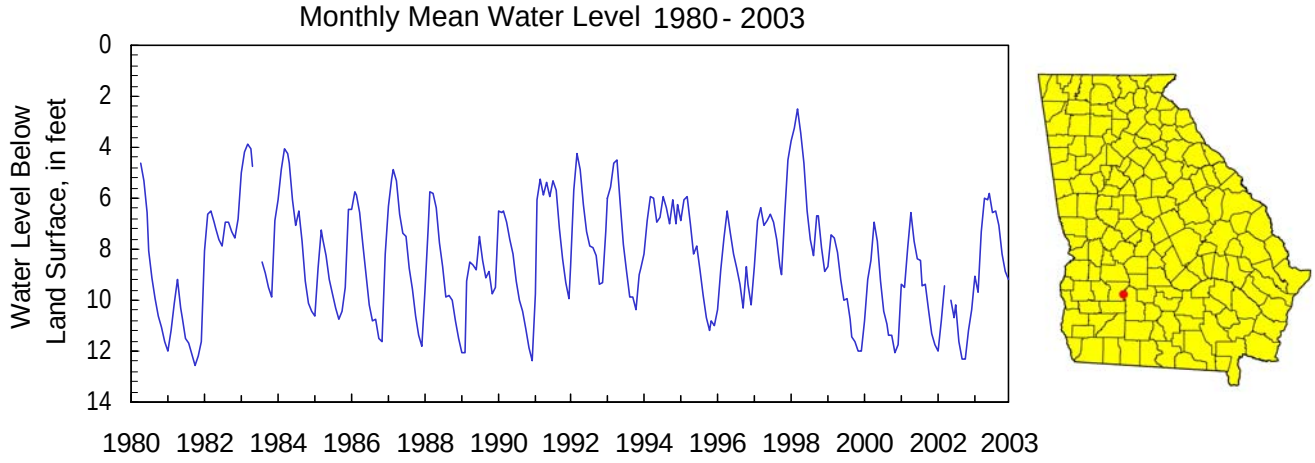
Latitude: 31°43'30" Longitude: 84°00'51" Worth County Period of Record: 1980
Well Depth: 25 feet Datum: 23 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

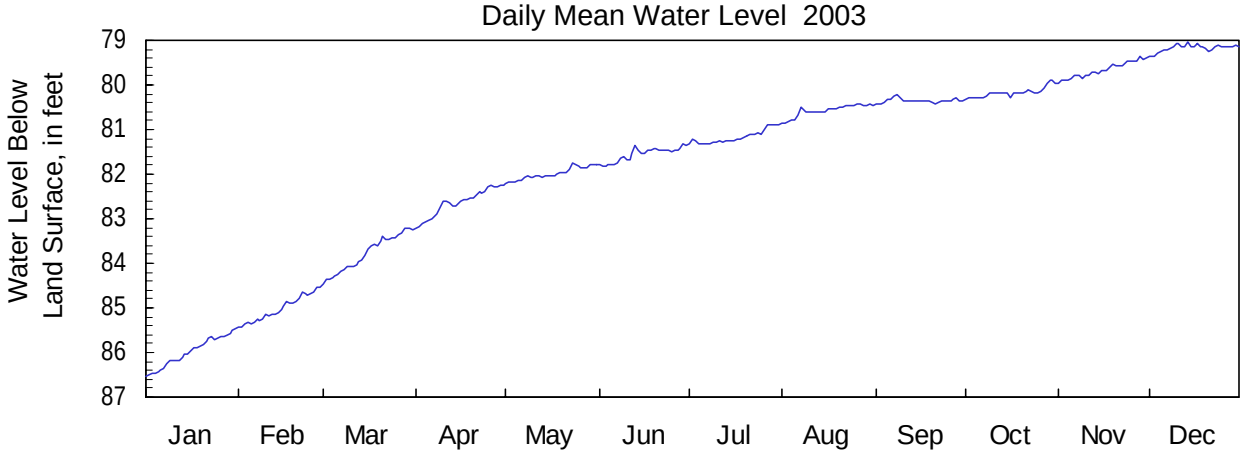
2003												
Max	9.05	9.87	9.30	6.58	6.72	6.36	6.96	6.71	7.62	8.69	9.09	9.26
Mean	9.05	9.67	7.31	6.00	6.07	5.82	6.54	6.50	7.04	8.20	8.89	9.18
Min	8.82	9.43	6.04	5.52	5.15	5.40	6.35	6.19	6.56	7.65	8.69	9.10
1980 - 2003												
Max	12.27	12.30	11.34	9.56	10.98	11.05	11.99	12.20	12.60	13.03	12.51	12.49
Mean	8.54	7.37	6.40	6.27	7.13	7.93	8.40	8.97	9.44	9.82	10.01	9.51
Min	3.48	2.38	0.99	2.65	3.79	4.96	4.31	4.92	5.97	5.46	5.26	3.31



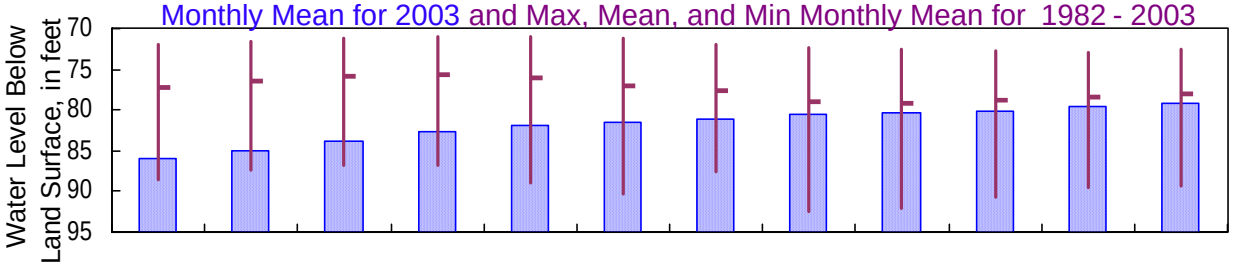
Upper Brunswick Aquifer
2003 Calendar Year
323123081511602 Site Name: 31U009

Latitude: 32°31'23" Longitude: 81°51'16" Bulloch County Period of Record: 1982
Well Depth: 210 feet Datum: 204 feet Well Diameter: 6 inches

Daily Mean Water Level 2003



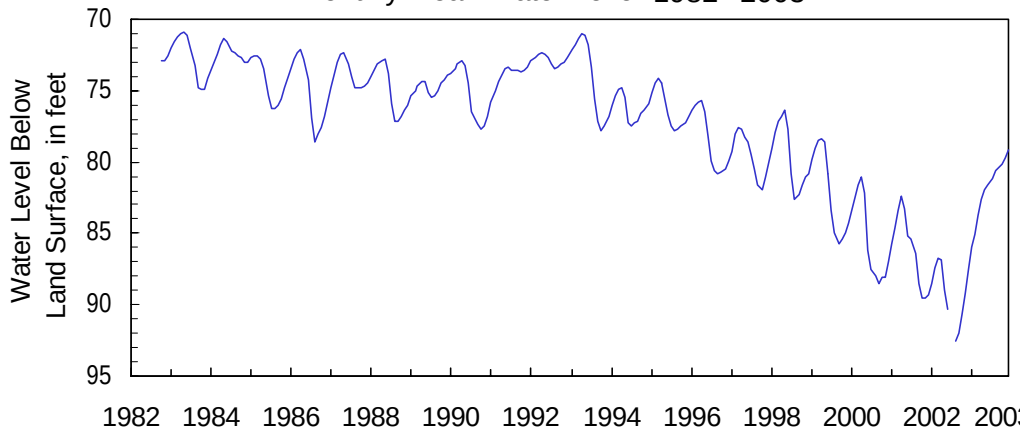
Monthly Mean for 2003 and Max, Mean, and Min Monthly Mean for 1982 - 2003



Monthly Water-Level Statistics

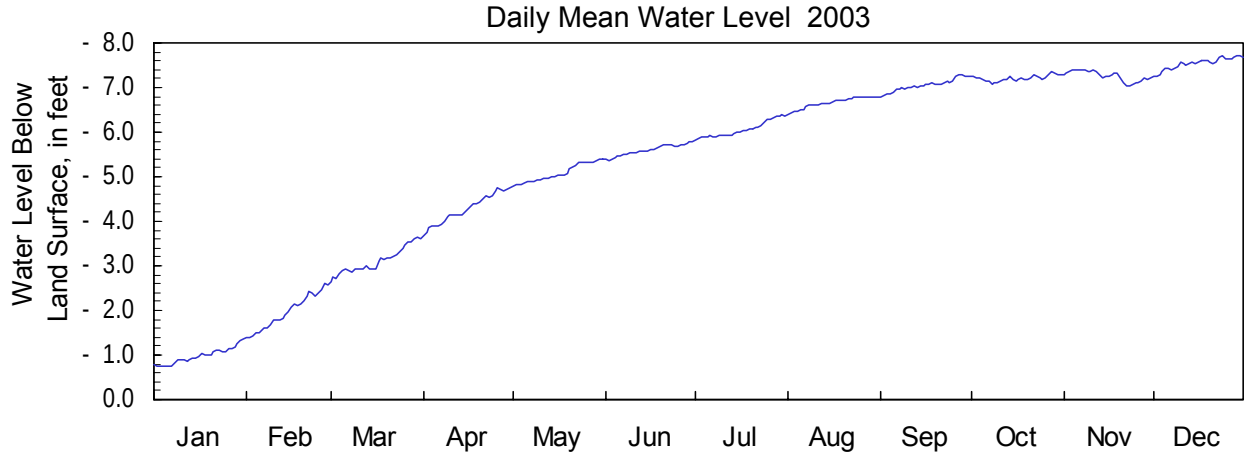
2003												
Max	85.99	85.43	84.45	83.22	82.22	81.83	81.33	80.87	80.44	80.34	79.98	79.37
Mean	85.99	85.01	83.78	82.64	81.99	81.56	81.17	80.57	80.35	80.17	79.66	79.17
Min	85.48	84.52	83.20	82.24	81.76	81.32	80.88	80.44	80.22	79.88	79.37	79.05
1982 - 2003												
Max	89.15	87.84	86.95	87.45	90.32	90.37	87.79	92.54	92.42	91.38	89.97	89.66
Mean	77.11	76.43	75.91	75.58	75.97	76.49	77.60	78.52	79.27	78.88	78.50	77.93
Min	71.74	71.32	71.09	70.77	70.80	70.82	71.46	72.30	72.52	72.60	72.65	72.32

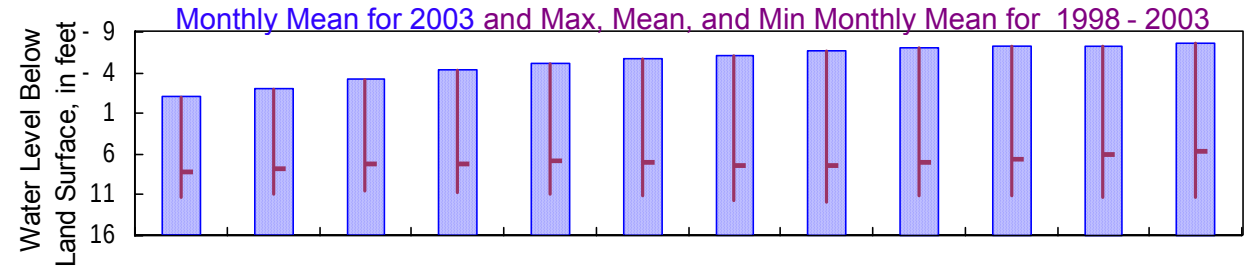
Monthly Mean Water Level 1982 - 2003



Upper Brunswick Aquifer
2003 Calendar Year
304406081330502 Site Name: 33D071

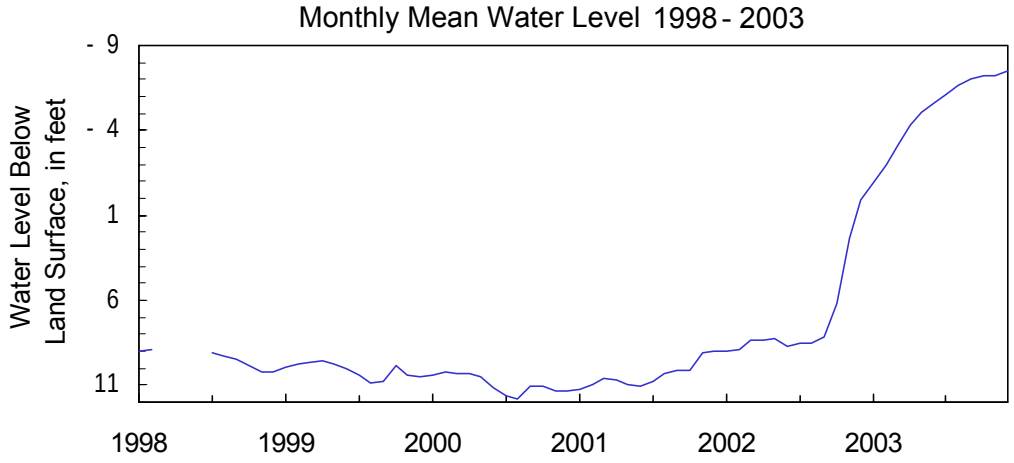
Latitude: 30°44'06" Longitude: 81°33'05" Camden County Period of Record: 1998
Well Depth: 365 feet Datum: 9 feet Well Diameter: 4 inches





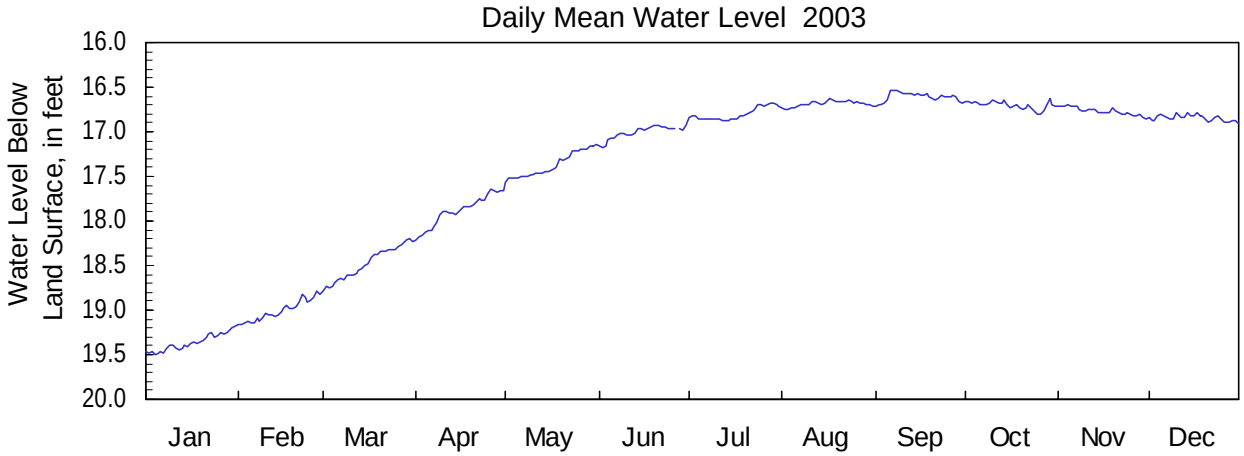
Monthly Water-Level Statistics

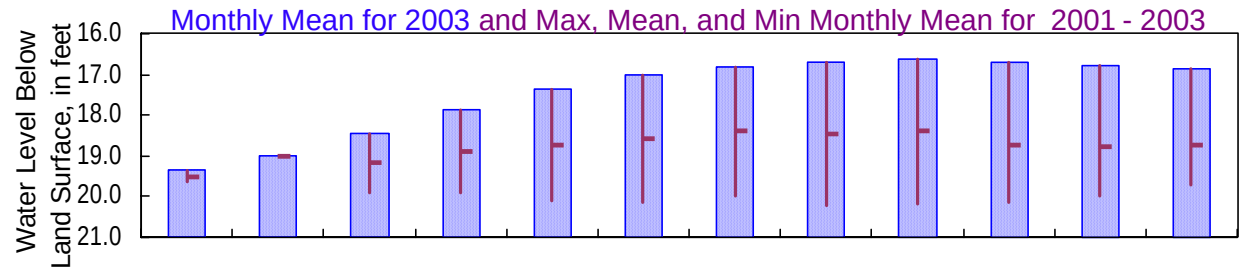
2003												
Max	-0.97	-1.39	-2.65	-3.68	-4.78	-5.37	-5.83	-6.40	-6.80	-7.09	-7.03	-7.25
Mean	-0.97	-1.96	-3.11	-4.27	-5.08	-5.60	-6.06	-6.66	-7.05	-7.21	-7.26	-7.54
Min	-1.35	-2.60	-3.66	-4.74	-5.39	-5.79	-6.38	-6.80	-7.30	-7.34	-7.40	-7.71
1998 - 2003												
Max	11.42	11.09	10.89	10.91	11.06	11.53	11.95	11.97	11.55	11.29	11.47	11.43
Mean	6.45	7.67	7.15	7.00	6.87	7.09	7.12	7.36	7.08	6.66	6.03	5.60
Min	-7.71	-2.60	-3.66	-4.74	-5.39	-5.79	-6.38	-6.80	-7.30	-7.34	-7.40	-7.71



Upper Brunswick Aquifer
2003 Calendar Year
320716081153501 Site Name: 35Q050

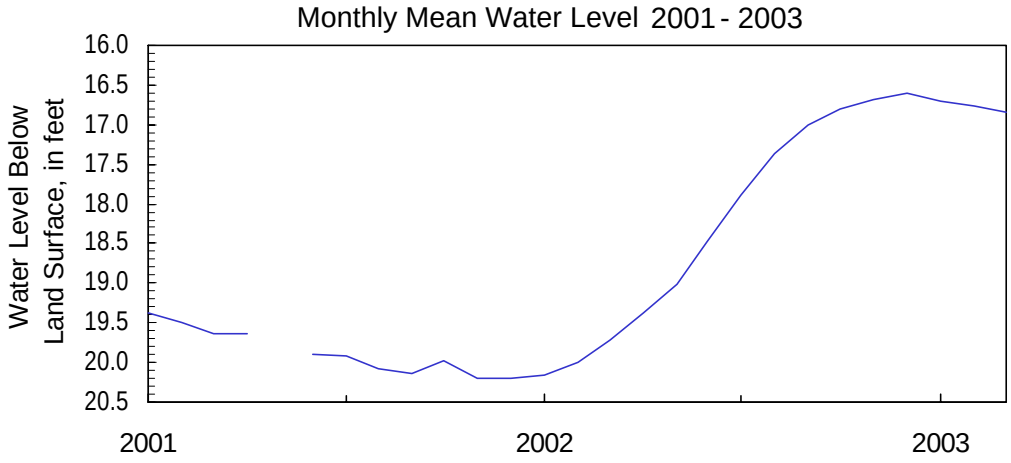
Latitude: 32°07' 16" Longitude: 81°15'35" Chatham County Period of Record: 2001
Well Depth: 210 feet Datum: 19 feet Well Diameter: 6 inches

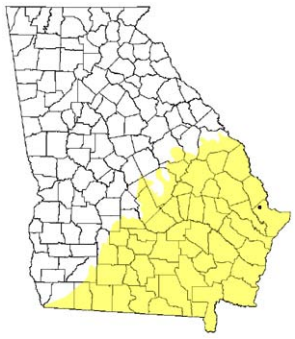




Monthly Water-Level Statistics

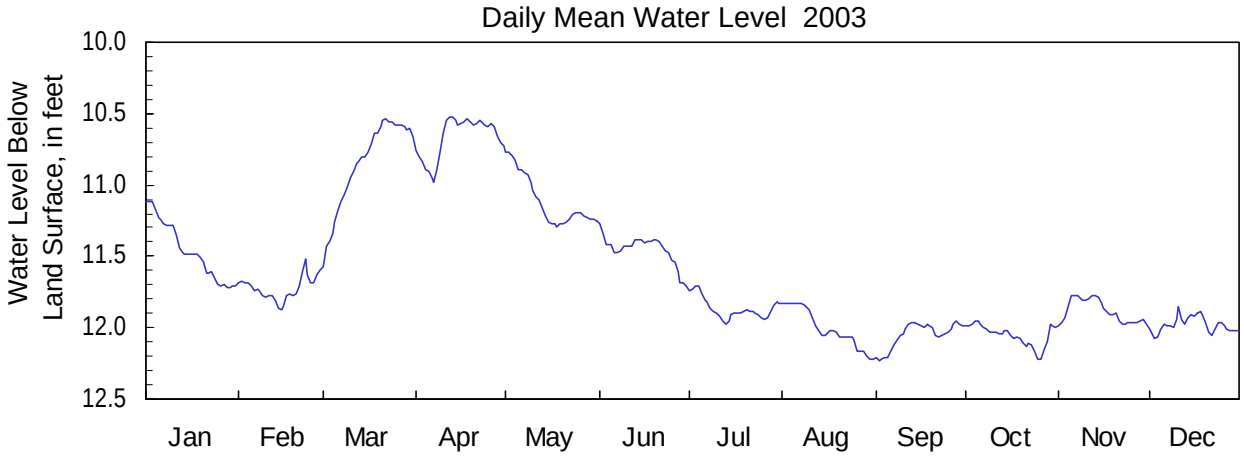
2003												
Max	19.36	19.16	18.78	18.22	17.57	17.18	16.88	16.75	16.71	16.81	16.85	16.91
Mean	19.36	19.01	18.47	17.89	17.37	17.01	16.80	16.69	16.61	16.70	16.77	16.84
Min	19.18	18.79	18.20	17.64	17.15	16.93	16.68	16.63	16.53	16.63	16.70	16.78
2001 - 2003												
Max	19.70	19.16	19.93	19.98	20.15	20.25	20.12	20.27	20.26	20.23	20.12	19.91
Mean	19.00	19.01	18.84	18.90	18.73	18.59	18.39	18.45	18.40	18.71	18.75	18.72
Min	16.87	18.79	18.20	17.64	17.15	16.93	16.68	16.63	16.53	16.63	16.70	16.78

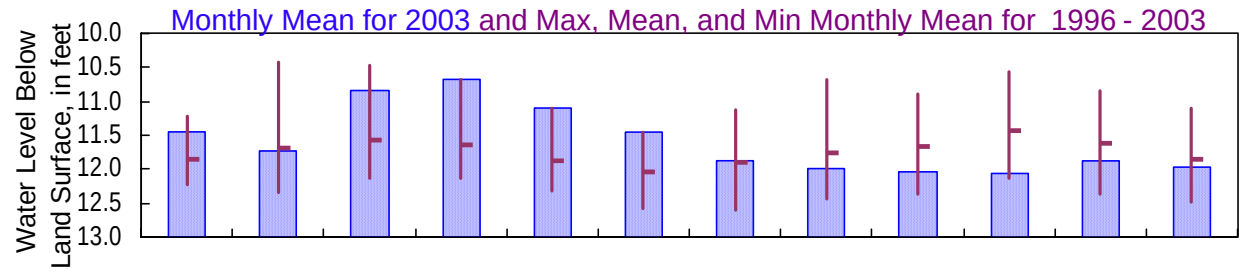




Upper Brunswick Aquifer
2003 Calendar Year
320127080511203 Site Name: 39Q026

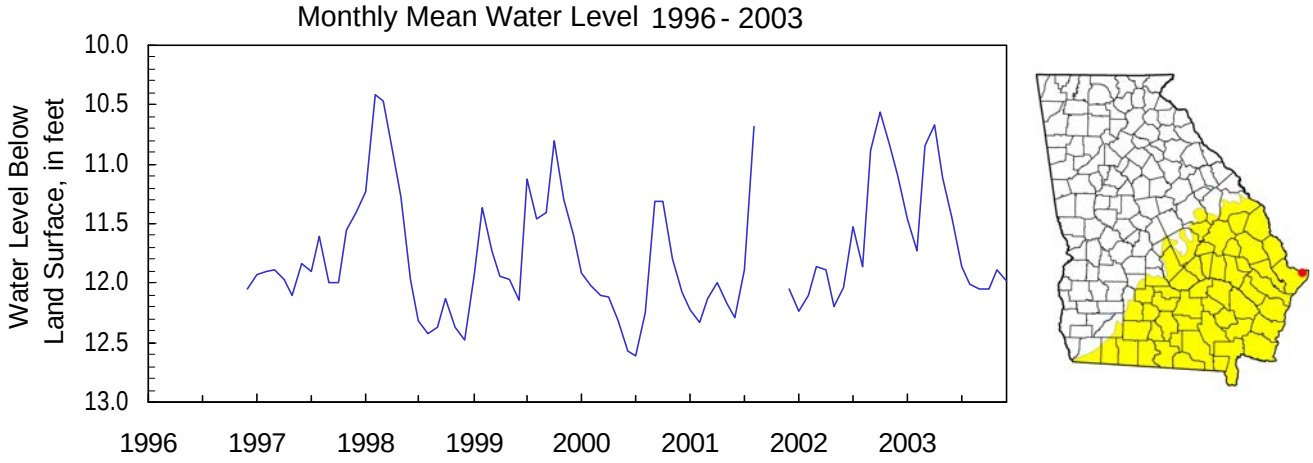
Latitude: 32°01'27" Longitude: 80°51'12" Chatham County Period of Record: 1996
Well Depth: 100 feet Datum: 9 feet Well Diameter: 6 inches





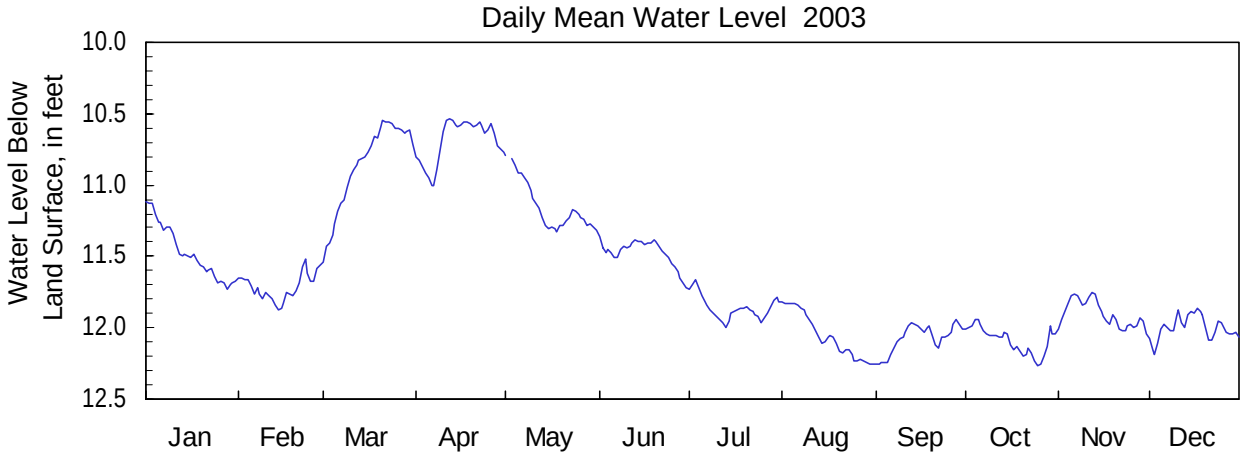
Monthly Water-Level Statistics

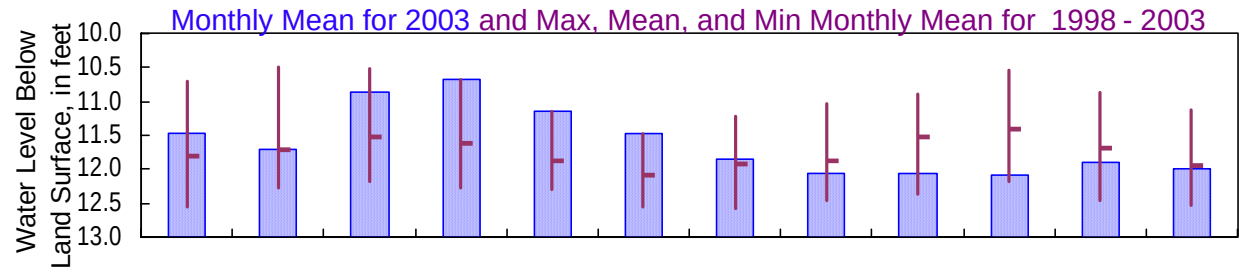
2003												
Max	11.46	11.88	11.57	10.99	11.29	11.71	11.97	12.22	12.23	12.23	11.99	12.07
Mean	11.46	11.73	10.85	10.67	11.11	11.45	11.87	12.00	12.05	12.05	11.88	11.98
Min	11.12	11.52	10.54	10.53	10.77	11.28	11.70	11.83	11.95	11.95	11.77	11.85
1996 - 2003												
Max	12.36	12.40	12.43	12.26	12.50	12.85	12.86	12.58	12.59	12.26	12.57	12.61
Mean	11.86	11.70	11.56	11.63	11.88	12.04	11.89	11.81	11.67	11.43	11.62	11.83
Min	10.62	10.12	10.13	10.53	10.77	11.28	10.79	8.35	10.74	10.22	10.70	10.91



Upper Brunswick Aquifer
2003 Calendar Year
320127080511204 Site Name: 39Q028

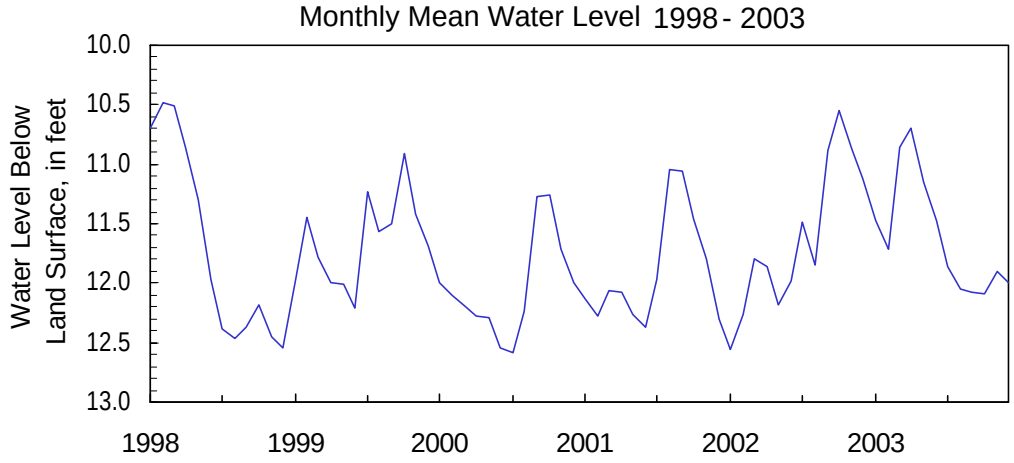
Latitude: 32°01' 27" Longitude: 80°51'12" Chatham County Period of Record: 1998
Well Depth: 104 feet Datum: 9 feet Well Diameter: 4 inches





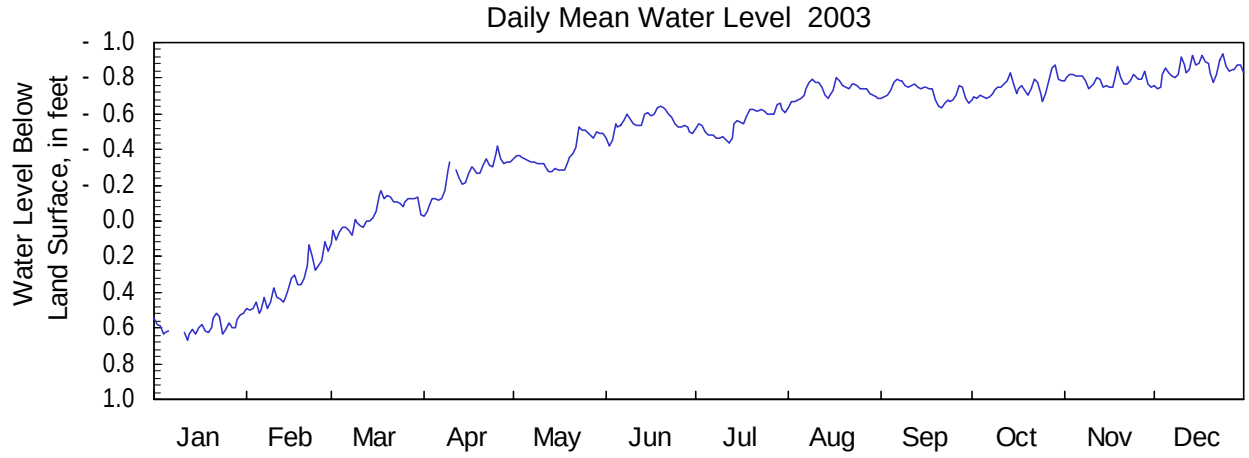
Monthly Water-Level Statistics

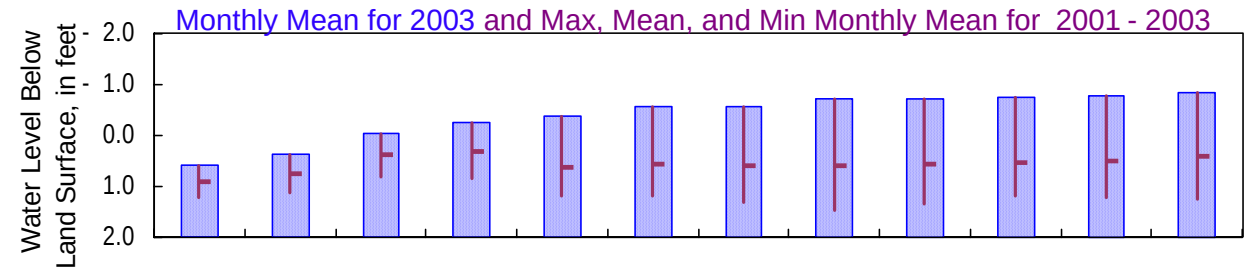
2003												
Max	11.47	11.87	11.54	11.00	11.32	11.72	11.99	12.26	12.25	12.27	12.04	12.19
Mean	11.47	11.72	10.86	10.69	11.16	11.47	11.86	12.05	12.07	12.09	11.90	12.00
Min	11.12	11.52	10.55	10.53	10.79	11.36	11.67	11.82	11.94	11.94	11.76	11.87
1998 - 2003												
Max	12.65	12.54	12.39	12.85	12.48	12.81	12.82	12.60	12.60	12.35	12.65	12.69
Mean	12.03	11.72	11.53	11.63	11.87	12.09	11.92	11.87	11.53	11.41	11.69	11.94
Min	10.70	10.20	10.19	10.53	10.79	11.30	10.88	8.56	10.71	10.19	10.72	10.99



Upper Brunswick Aquifer
2003 Calendar Year
311530081363904 Site Name: 33J065

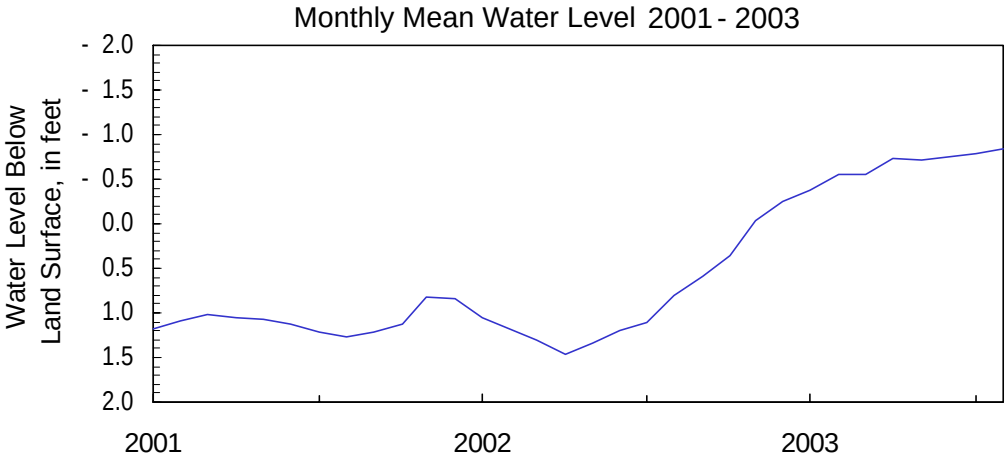
Latitude: 31°15'30" Longitude: 81°36'39" Glynn County Period of Record: 2001
Well Depth: 412 feet Datum: 11 feet Well Diameter: 6 inches

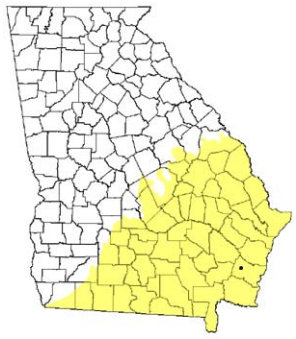




Monthly Water-Level Statistics

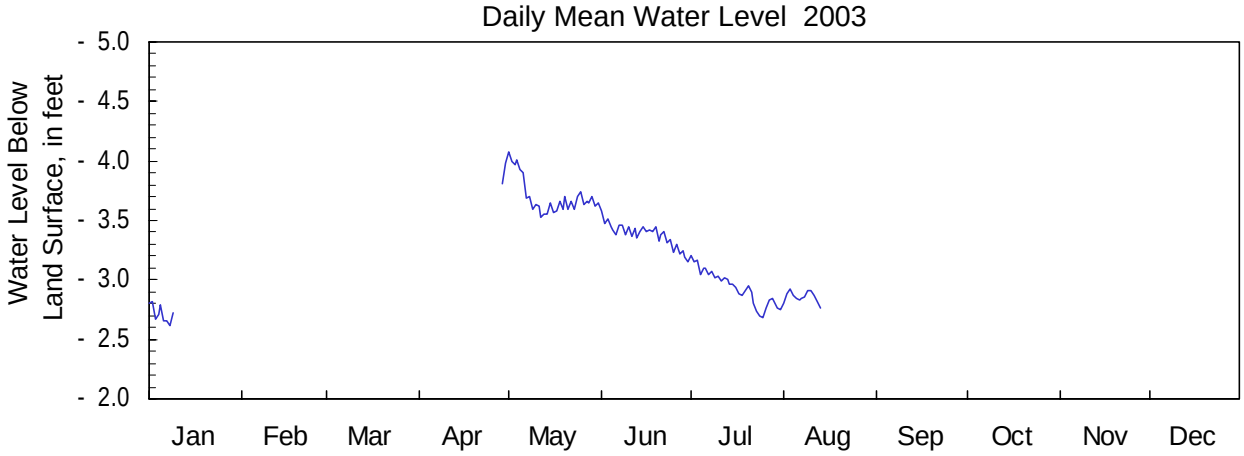
2003												
Max	0.59	0.51	0.12	-0.03	-0.28	-0.42	-0.43	-0.63	-0.64	-0.67	-0.74	-0.74
Mean	0.59	0.36	-0.04	-0.25	-0.38	-0.55	-0.55	-0.73	-0.72	-0.75	-0.79	-0.85
Min	0.51	0.12	-0.17	-0.42	-0.53	-0.64	-0.66	-0.81	-0.79	-0.87	-0.86	-0.94
2001 - 2003												
Max	1.31	1.23	1.13	0.93	1.21	1.31	1.44	1.58	1.43	1.26	1.26	1.33
Mean	0.45	0.74	0.39	0.31	0.43	0.57	0.59	0.60	0.56	0.52	0.51	0.41
Min	-1.00	0.12	-0.17	-0.42	-0.53	-0.64	-0.66	-0.81	-0.79	-0.87	-0.86	-0.94

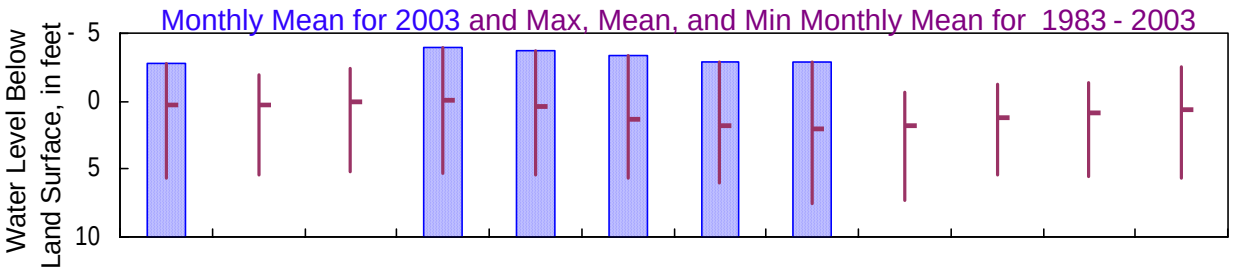




Upper Brunswick Aquifer
2003 Calendar Year
310901081284402 Site Name: 34H437

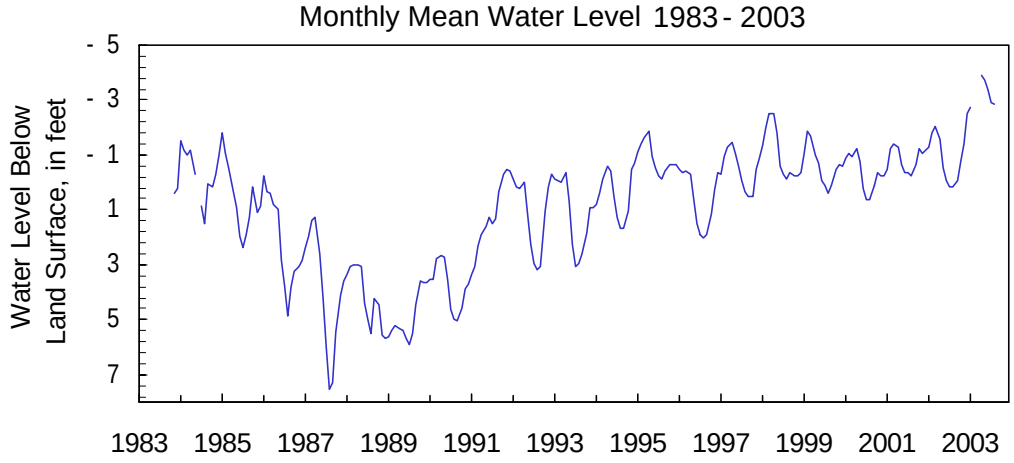
Latitude: 31°09'01" Longitude: 81°28'44" Glynn County Period of Record: 1983
Well Depth: 328 feet Datum: 6 feet Well Diameter: 10 inches





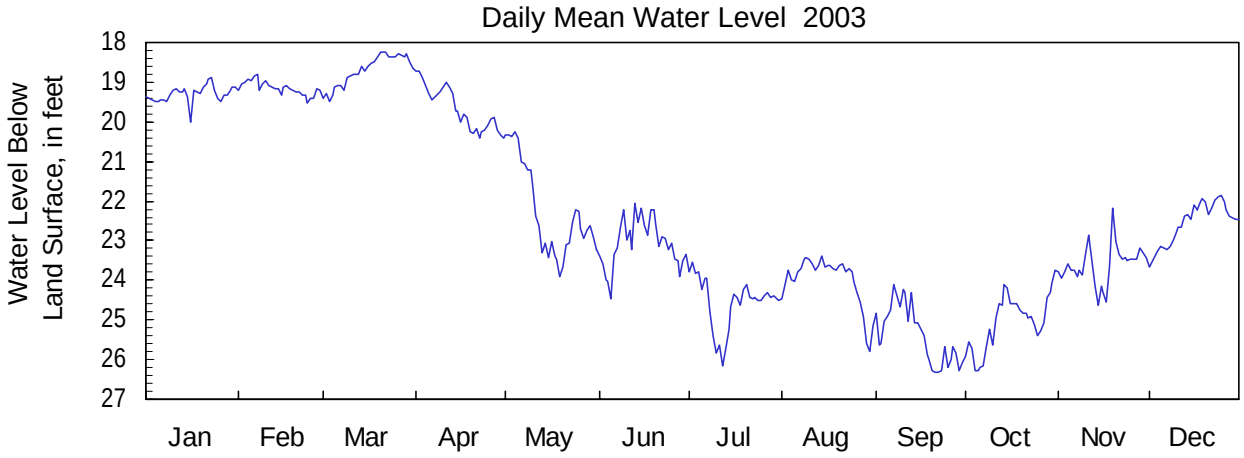
Monthly Water-Level Statistics

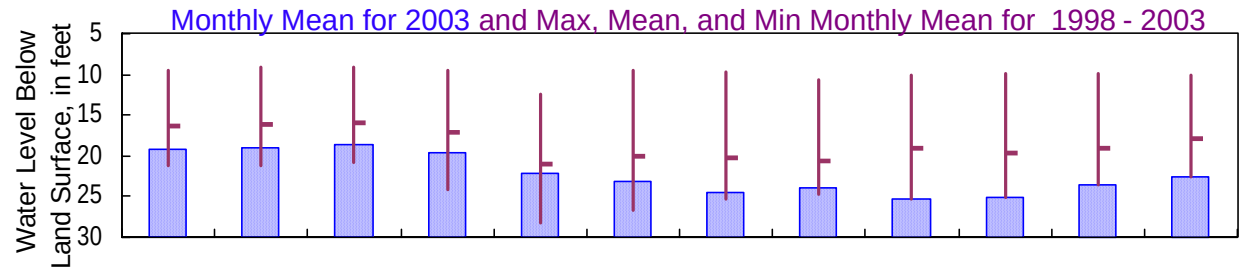
2003												
Max	-2.72			-3.81	-3.52	-3.15	-2.68	-2.76				
Mean	-2.72			-3.90	-3.70	-3.38	-2.93	-2.86				
Min	-2.81			-3.99	-4.08	-3.58	-3.21	-2.92				
1983 - 2003												
Max	6.15	5.64	5.58	5.60	5.72	5.90	7.32	7.80	7.74	6.53	5.97	6.12
Mean	0.45	0.26	0.09	0.11	0.51	1.32	1.87	2.30	1.85	1.25	0.88	0.63
Min	-2.81	-2.38	-3.01	-3.99	-4.08	-3.58	-3.21	-2.92	-1.09	-1.45	-2.09	-2.77



Upper Brunswick Aquifer
2003 Calendar Year
311711081283002 Site Name: 34J077

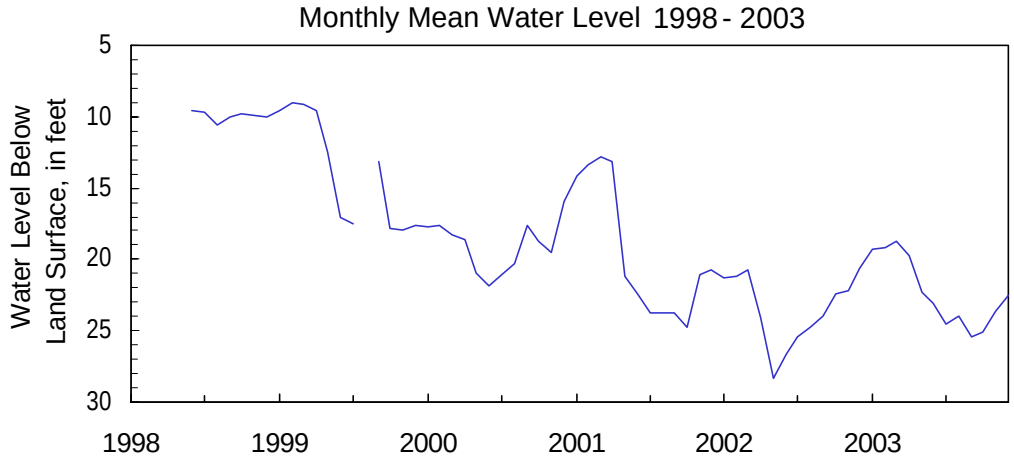
Latitude: 31°17' 11" Longitude: 81°28'30" Glynn County Period of Record: 1998
Well Depth: 390 feet Datum: 14 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

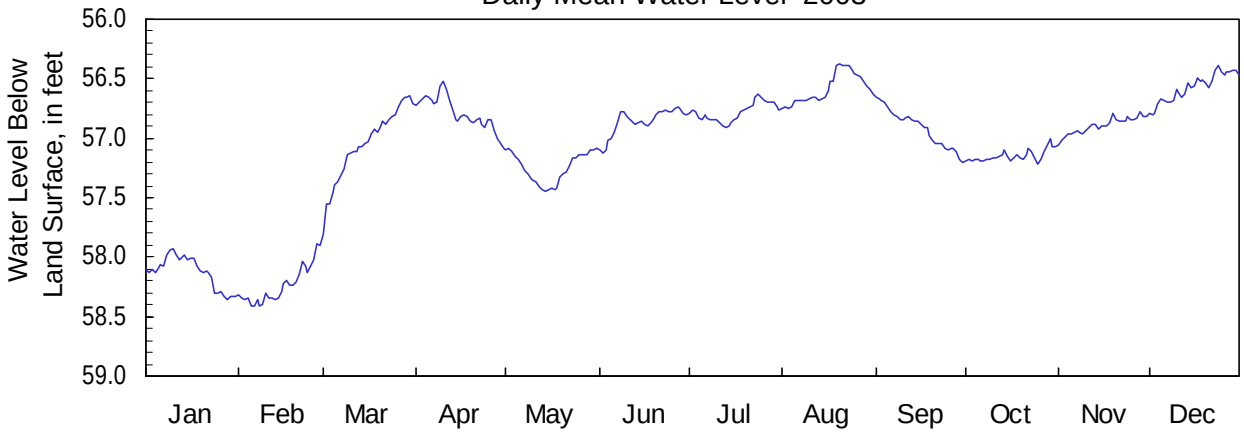
2003												
Max	19.30	19.51	19.48	20.41	23.91	24.46	26.17	25.81	26.33	26.29	24.62	23.65
Mean	19.30	19.15	18.70	19.68	22.27	23.07	24.55	23.99	25.38	25.05	23.62	22.56
Min	18.90	18.82	18.23	18.72	20.24	22.05	23.55	23.39	24.09	23.76	22.17	21.85
1998 - 2003												
Max	22.59	22.59	22.17	27.51	29.61	30.09	27.05	25.81	26.33	26.29	25.10	23.65
Mean	17.29	16.09	15.92	17.02	21.03	21.28	20.35	20.82	19.55	19.74	19.04	17.92
Min	9.40	8.91	8.87	9.30	9.66	9.53	9.62	9.70	9.77	9.71	9.81	9.78



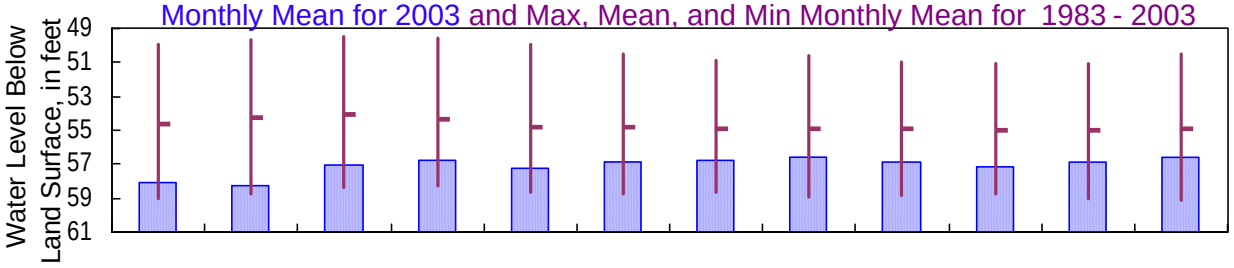
Upper Brunswick Aquifer
2003 Calendar Year
313253081433503 Site Name: 32L016

Latitude: 31°32' 52" Longitude: 81°43'36" Wayne County Period of Record: 1983
Well Depth: 340 feet Datum: 73 feet Well Diameter: 4 inches

Daily Mean Water Level 2003



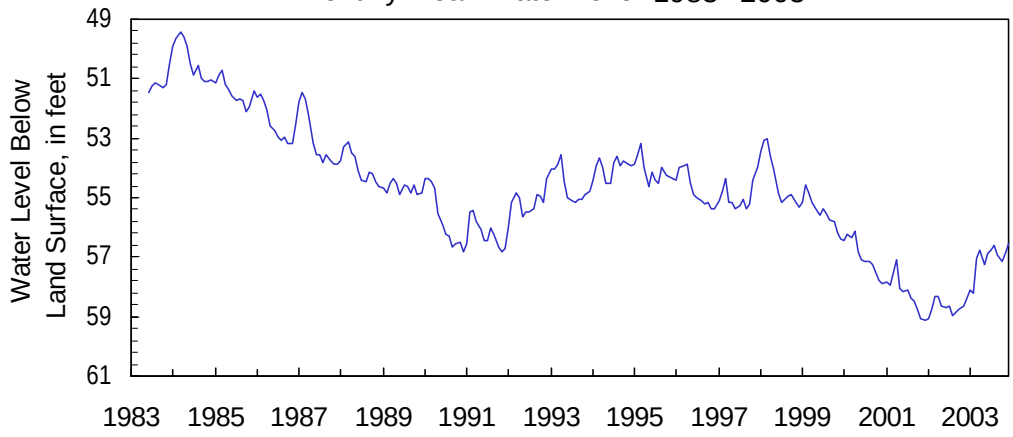
Monthly Mean for 2003 and Max, Mean, and Min Monthly Mean for 1983 - 2003



Monthly Water-Level Statistics

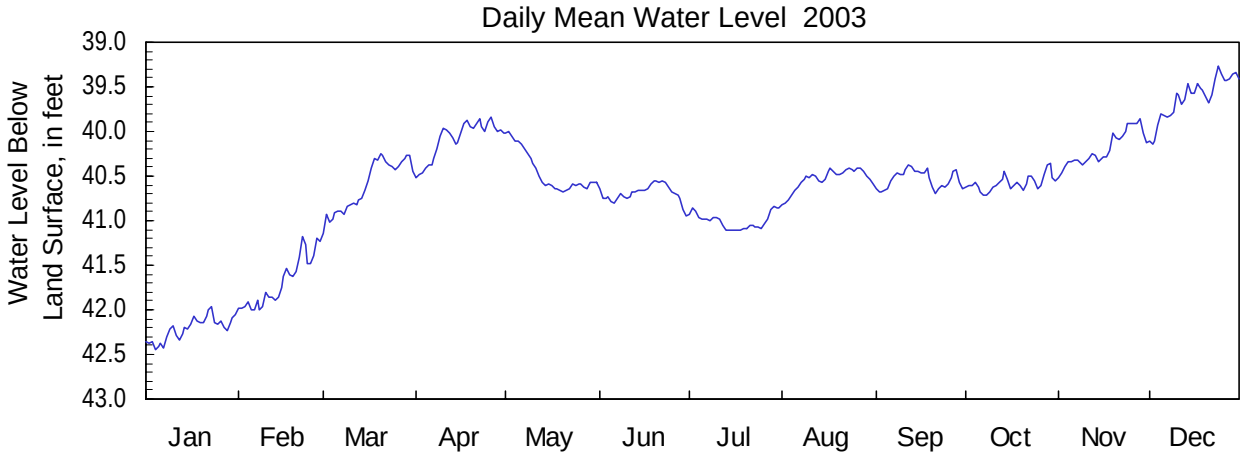
2003												
Max	58.13	58.42	57.80	57.09	57.44	57.12	56.91	56.75	57.21	57.21	57.05	56.81
Mean	58.13	58.24	57.05	56.79	57.25	56.86	56.78	56.58	56.91	57.15	56.89	56.57
Min	57.93	57.89	56.64	56.53	57.08	56.74	56.63	56.37	56.66	57.00	56.78	56.39
1983 - 2003												
Max	59.15	59.02	58.65	58.39	58.73	58.86	58.80	59.06	58.97	59.04	59.10	59.17
Mean	54.72	54.29	54.10	54.30	54.79	54.93	54.87	54.89	54.90	54.99	55.03	54.94
Min	49.71	49.45	49.26	49.48	49.75	50.28	50.75	50.20	50.67	50.94	51.00	49.92

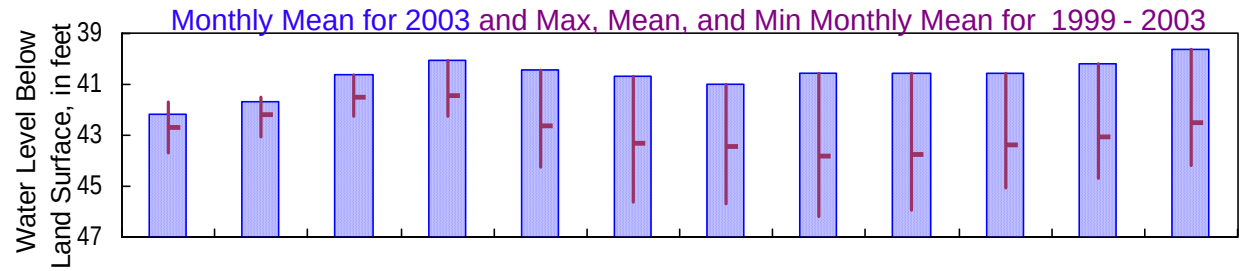
Monthly Mean Water Level 1983 - 2003



Lower Brunswick Aquifer
2003 Calendar Year
315113081121401 Site Name: 36N012

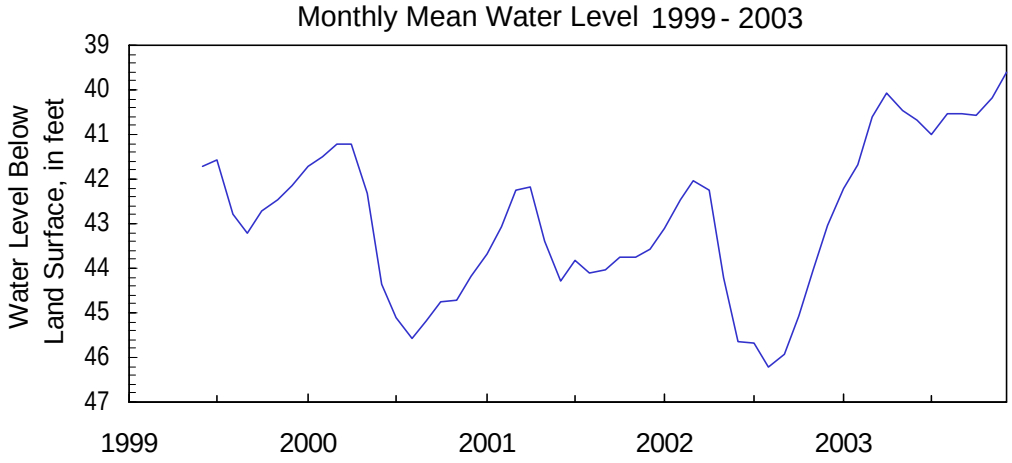
Latitude: 31°51'13" Longitude: 81°12'14" Bryan County Period of Record: 1999
Well Depth: 340 feet Datum: 19 feet Well Diameter: 4 inches





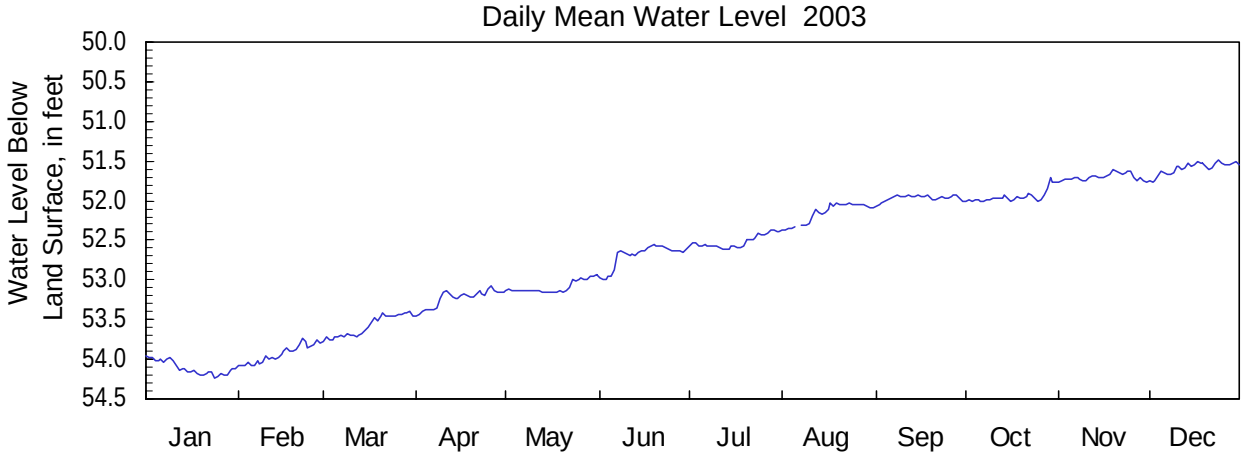
Monthly Water-Level Statistics

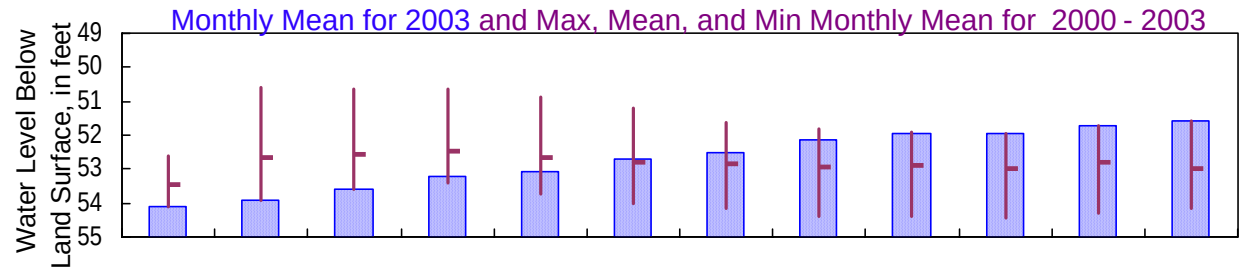
2003												
Max	42.21	42.00	41.14	40.51	40.68	40.94	41.11	40.83	40.69	40.72	40.52	40.15
Mean	42.21	41.69	40.61	40.09	40.46	40.69	41.00	40.53	40.54	40.58	40.20	39.62
Min	41.97	41.19	40.25	39.85	40.00	40.56	40.84	40.41	40.37	40.36	39.86	39.27
1999 - 2003												
Max	44.12	43.37	42.59	42.79	44.92	46.05	45.91	46.47	46.27	45.58	44.83	44.59
Mean	42.33	42.17	41.53	41.44	42.60	43.47	43.43	43.84	43.78	43.37	43.03	42.51
Min	39.14	41.19	40.25	39.85	40.00	40.56	40.84	40.41	40.37	40.36	39.86	39.27



Lower Brunswick Aquifer
2003 Calendar Year
321943081151401 Site Name: 35S008

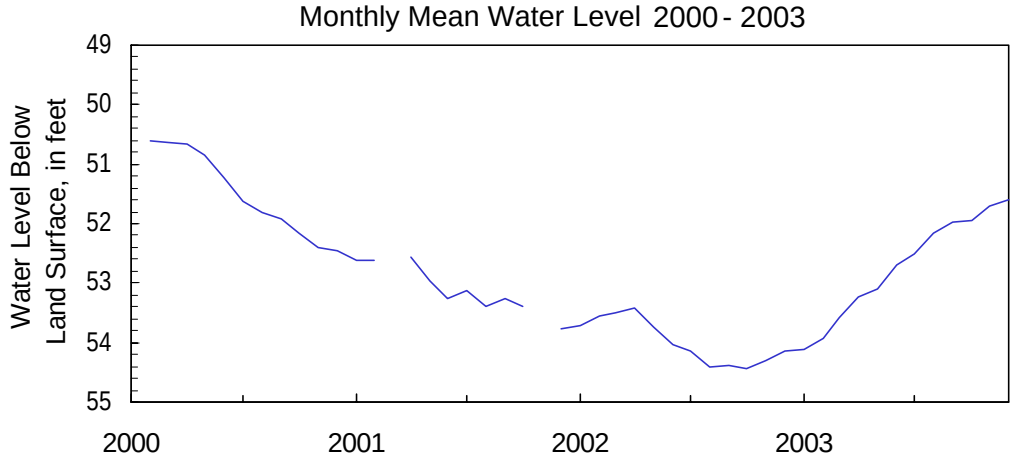
Latitude: 32°19'43" Longitude: 81°15'14" Effingham County Period of Record: 2000
Well Depth: 215 feet Datum: 64 feet Well Diameter: 2 inches





Monthly Water-Level Statistics

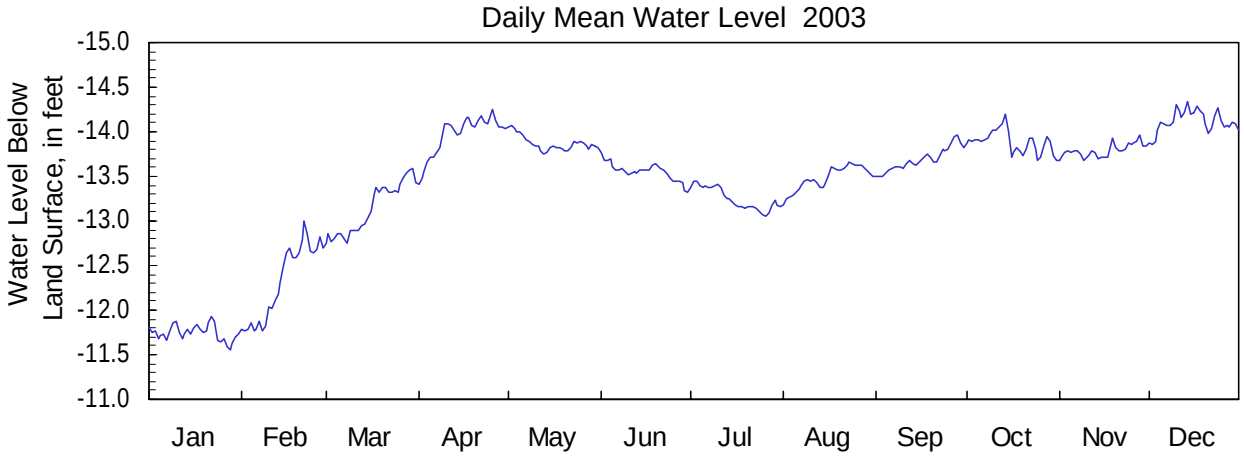
2003												
Max	54.11	54.09	53.77	53.46	53.16	52.99	52.62	52.37	52.08	52.01	51.77	51.76
Mean	54.11	53.94	53.58	53.23	53.09	52.69	52.52	52.16	51.97	51.95	51.70	51.59
Min	53.95	53.73	53.40	53.08	52.94	52.56	52.36	52.04	51.92	51.72	51.60	51.48
2000 - 2003												
Max	54.24	54.09	53.77	53.53	53.86	54.24	54.25	54.52	54.47	54.51	54.48	54.28
Mean	53.68	52.86	52.56	52.47	52.66	52.80	52.85	52.95	52.88	52.96	52.80	53.03
Min	52.53	50.54	50.53	50.58	50.67	51.04	51.34	51.54	51.82	51.72	51.60	51.48

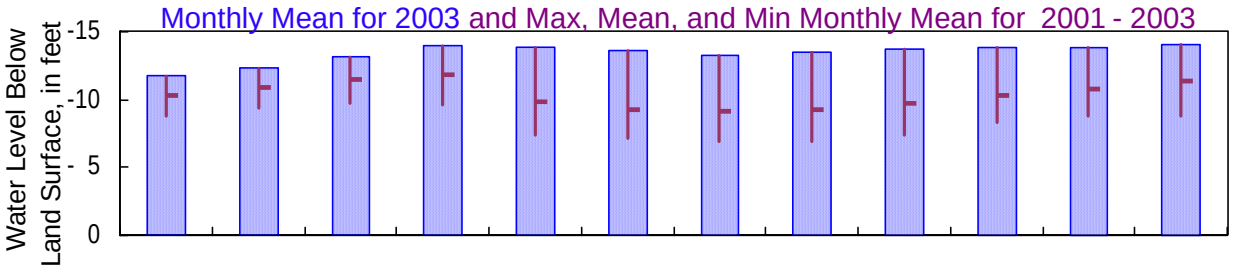


Lower Brunswick Aquifer
2003 Calendar Year

311530081363901 **Site Name: 33J062**

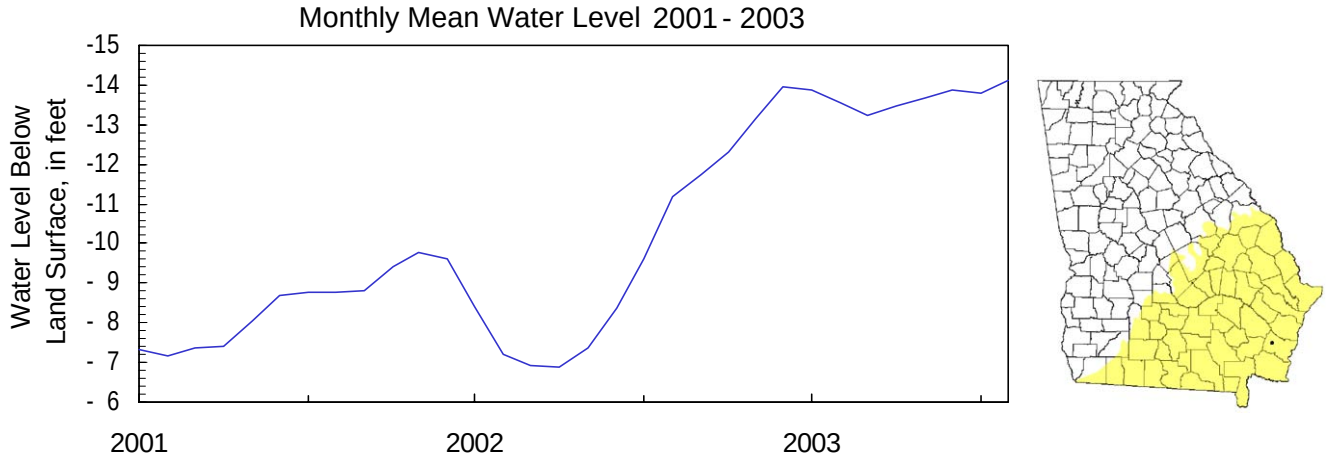
Latitude: 31°15'30" Longitude: 81°36'39" Glynn County Period of Record: 2001
Well Depth: 500 feet Datum: 11 feet Well Diameter: 6 inches





Monthly Water-Level Statistics

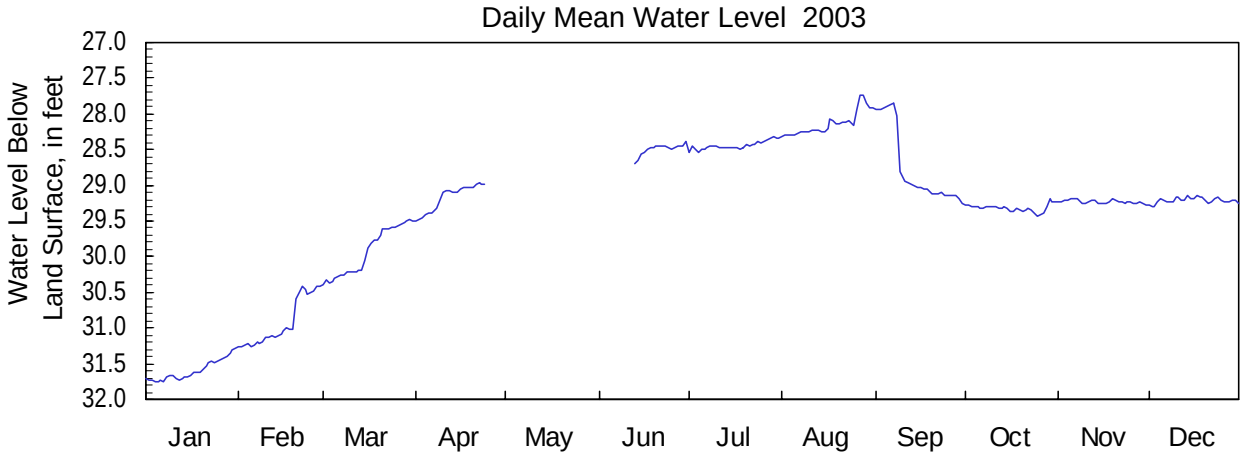
2003												
Max	-11.74	-11.77	-12.74	-13.41	-13.75	-13.31	-13.05	-13.19	-13.49	-13.68	-13.67	-13.85
Mean	-11.74	-12.31	-13.13	-13.97	-13.87	-13.55	-13.25	-13.48	-13.69	-13.88	-13.79	-14.12
Min	-11.92	-13.00	-13.59	-14.26	-14.07	-13.76	-13.44	-13.65	-13.97	-14.19	-13.97	-14.33
2001 - 2003												
Max	-8.67	-8.94	-9.62	-9.23	-7.17	-6.89	-6.76	-6.77	-7.00	-7.90	-8.65	-8.64
Mean	-11.22	-10.87	-11.46	-11.80	-10.76	-9.32	-9.19	-9.67	-9.96	-10.31	-10.73	-11.35
Min	-14.20	-13.00	-13.59	-14.26	-14.07	-13.76	-13.44	-13.65	-13.97	-14.19	-13.97	-14.33

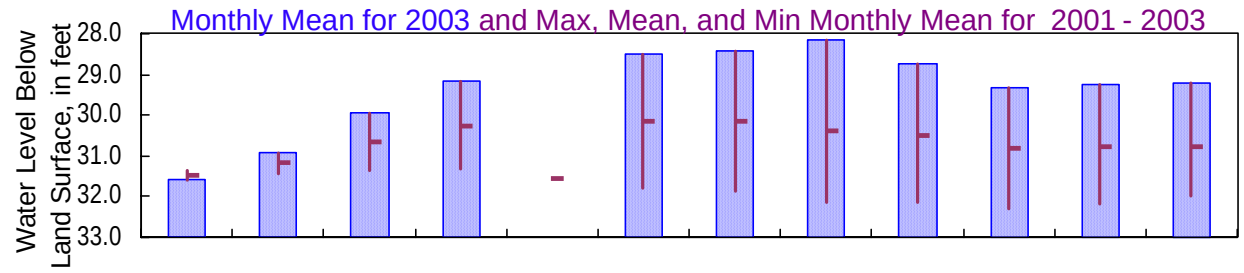


Brunswick Aquifer System
2003 Calendar Year

321742081234901 **Site Name: 34S008**

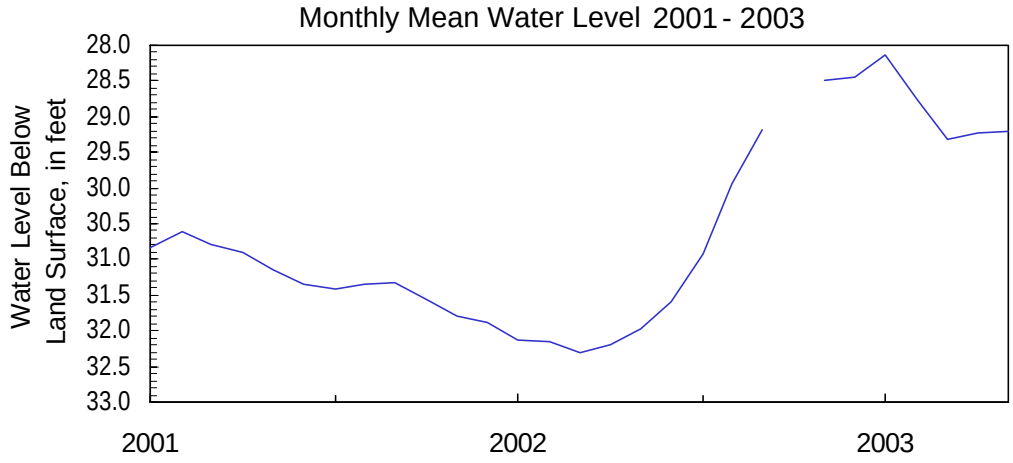
Latitude: 32°17' 42" Longitude: 81°23'49" Effingham County Period of Record: 2001
Well Depth: 185 feet Datum: 74 feet Well Diameter: 6 inches

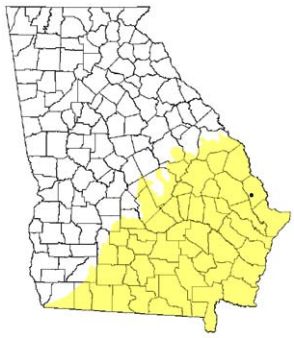




Monthly Water-Level Statistics

2003												
Max	31.60	31.26	30.40	29.50		28.69	28.55	28.32	29.25	29.43	29.28	29.30
Mean	31.60	30.93	29.93	29.17		28.49	28.44	28.14	28.76	29.32	29.23	29.21
Min	31.29	30.41	29.49	28.96		28.39	28.32	27.73	27.85	29.18	29.18	29.15
2001 - 2003												
Max	31.76	31.49	31.51	31.37	31.70	31.97	32.05	32.29	32.25	32.38	32.37	32.21
Mean	31.11	31.18	30.64	30.37	31.54	30.55	30.16	30.16	30.51	30.80	30.72	30.75
Min	29.21	30.41	29.49	28.96	31.35	28.39	28.32	27.73	27.85	29.18	29.18	29.15



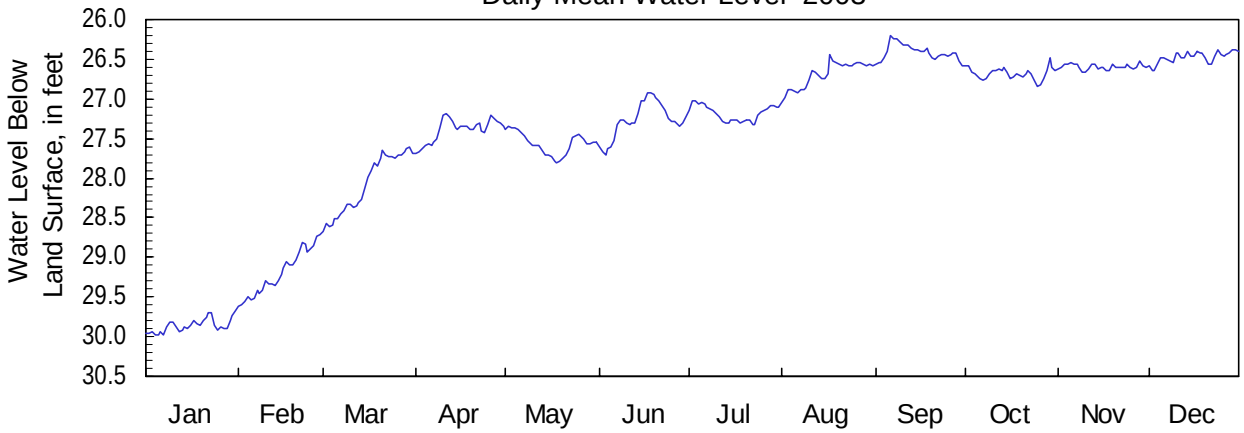


Brunswick Aquifer System
2003 Calendar Year

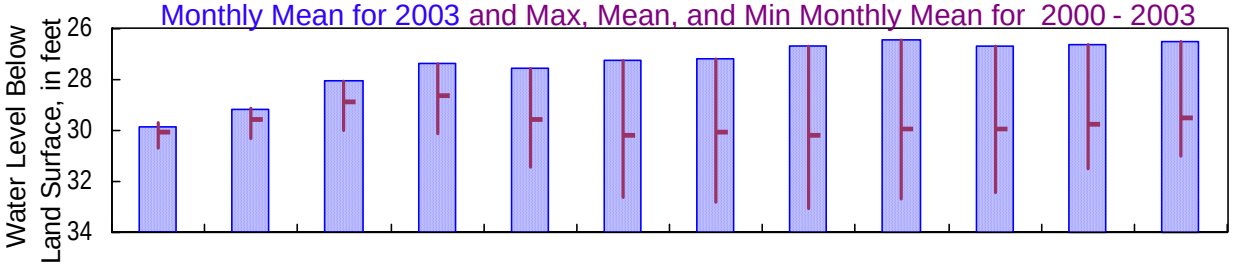
322234081190003 **Site Name: 35T005**

Latitude: 32°22'34" Longitude: 81°19'00" Effingham County Period of Record: 2000
Well Depth: 190 feet Datum: 40 feet Well Diameter: 6 inches

Daily Mean Water Level 2003



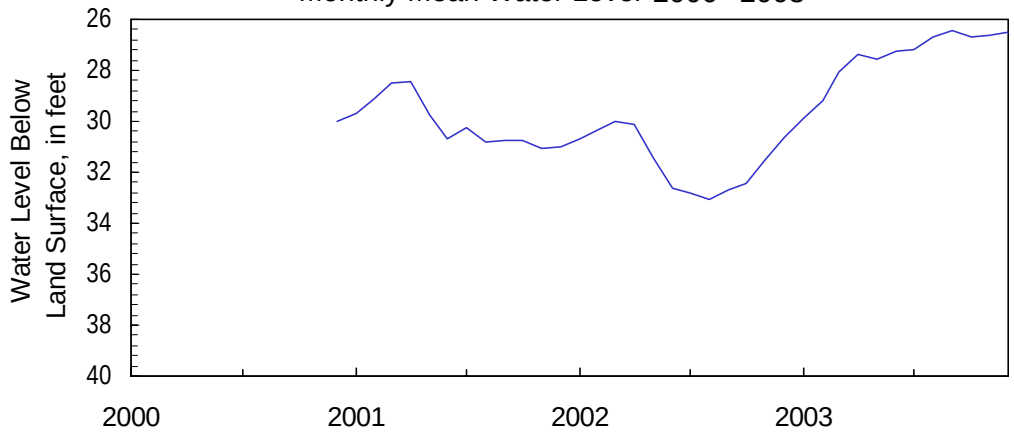
Monthly Mean for 2003 and Max, Mean, and Min Monthly Mean for 2000 - 2003



Monthly Water-Level Statistics

2003												
Max	29.86	29.61	28.68	27.70	27.80	27.70	27.32	27.05	26.59	26.85	26.66	26.65
Mean	29.86	29.20	28.07	27.39	27.56	27.27	27.18	26.70	26.41	26.68	26.60	26.47
Min	29.68	28.72	27.61	27.19	27.35	26.92	27.02	26.45	26.20	26.48	26.53	26.37
2000 - 2003												
Max	31.02	30.58	30.31	30.54	32.12	33.00	33.19	33.38	32.86	32.76	32.08	31.16
Mean	29.65	29.54	28.87	28.64	29.58	30.19	30.07	30.20	29.94	29.96	29.72	29.42
Min	26.27	28.72	27.61	27.19	27.35	26.92	27.02	26.45	26.20	26.48	26.53	26.37

Monthly Mean Water Level 2000 - 2003



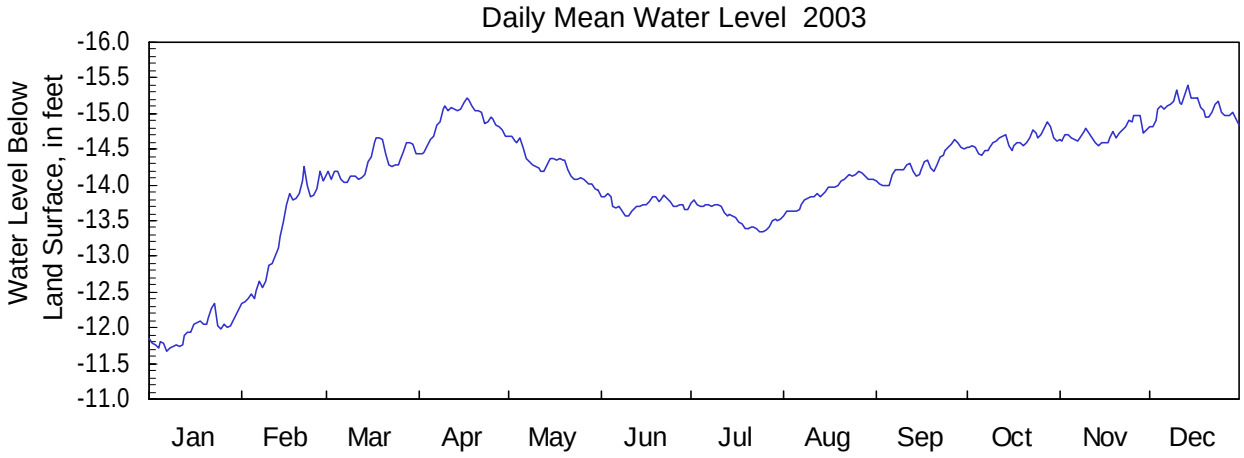
Brunswick Aquifer System

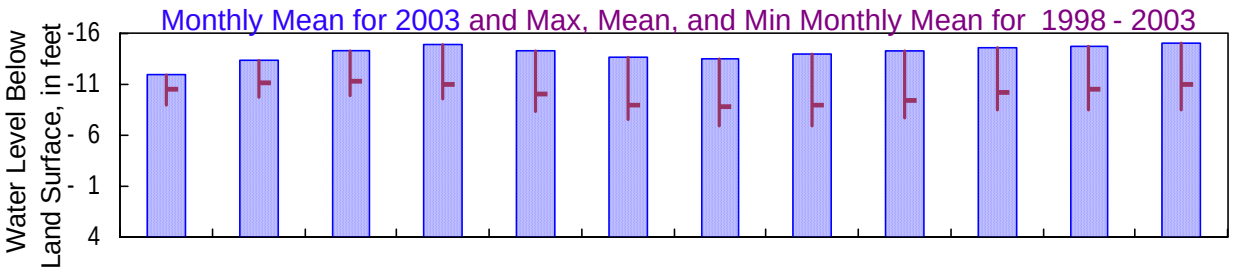
2003 Calendar Year

310629081323301 **Site Name: 33G028**

Latitude: 31°06' 29" Longitude: 81°32'33" Glynn County Period of Record: 1998

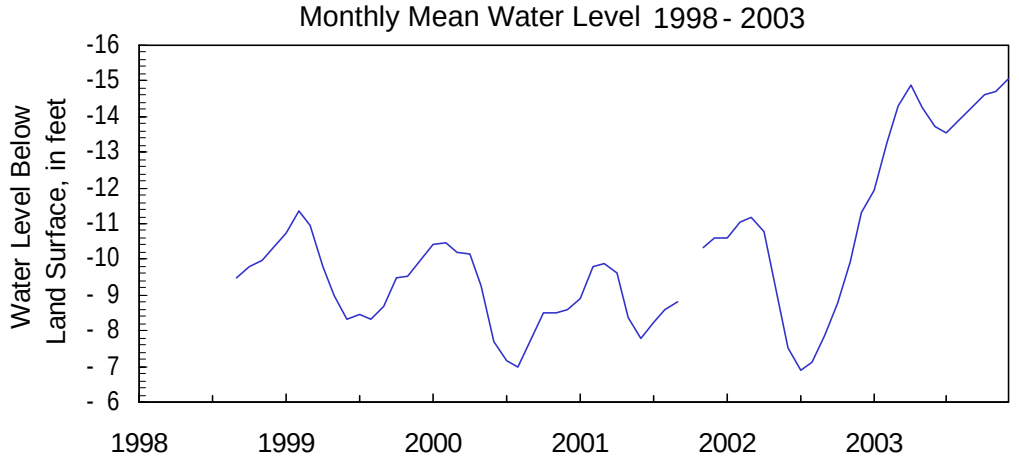
Well Depth: 475 feet Datum: 9 feet Well Diameter: 6 inches





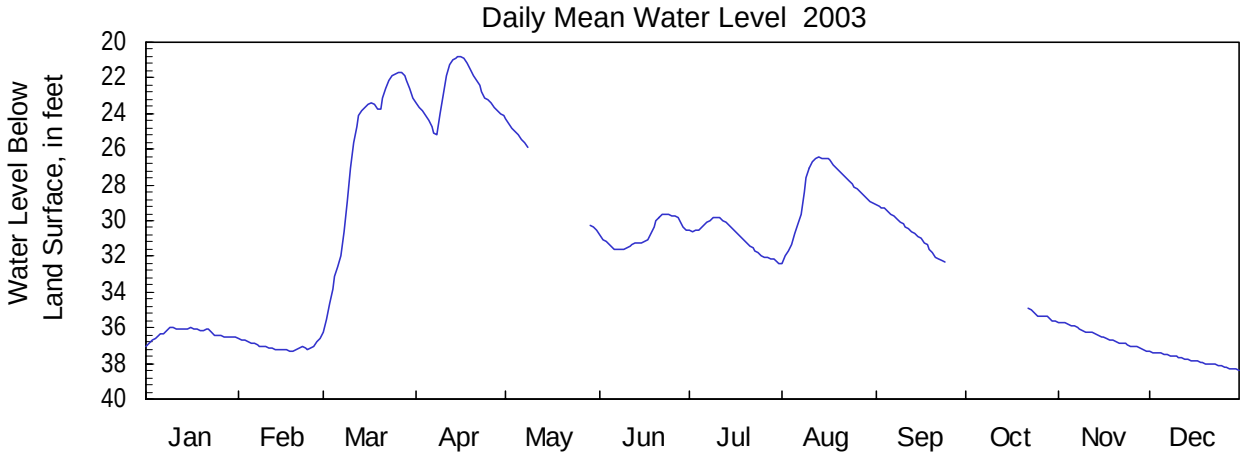
Monthly Water-Level Statistics

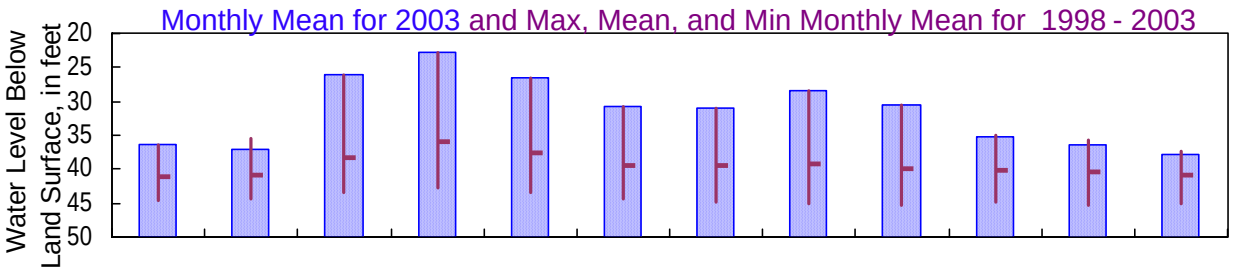
2003												
Max	-11.95	-12.34	-14.03	-14.44	-13.93	-13.57	-13.34	-13.58	-13.98	-14.42	-14.56	-14.81
Mean	-11.95	-13.30	-14.31	-14.90	-14.28	-13.73	-13.56	-13.92	-14.28	-14.61	-14.73	-15.07
Min	-12.34	-14.27	-14.66	-15.23	-14.68	-13.87	-13.78	-14.19	-14.64	-14.88	-14.98	-15.40
1998 - 2003												
Max	-8.27	-9.66	-9.64	-8.64	-7.85	-6.89	-6.59	-6.79	-7.29	-8.18	-8.30	-8.35
Mean	-11.04	-11.18	-11.31	-11.05	-10.02	-9.02	-8.85	-8.98	-9.57	-10.23	-10.52	-10.98
Min	-15.14	-14.27	-14.66	-15.23	-14.68	-13.87	-13.78	-14.19	-14.64	-14.88	-14.98	-15.40



Upper Floridan Aquifer
2003 Calendar Year
311400084295502 Site Name: 10H009

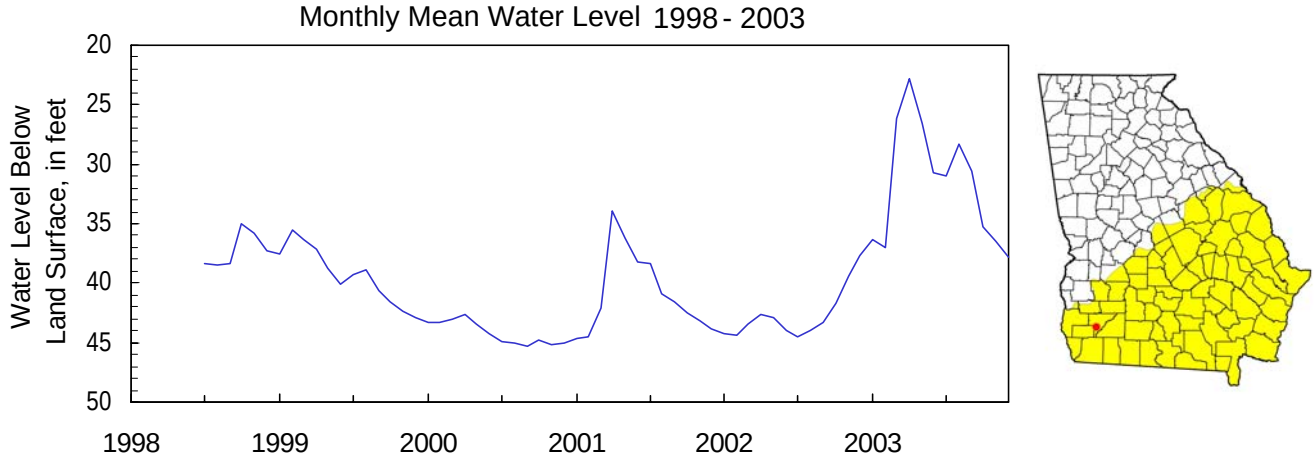
Latitude: 31°14' 00" Longitude: 84°29'55" Baker County Period of Record: 1998
Well Depth: 200 feet Datum: 167 feet Well Diameter: 4 inches





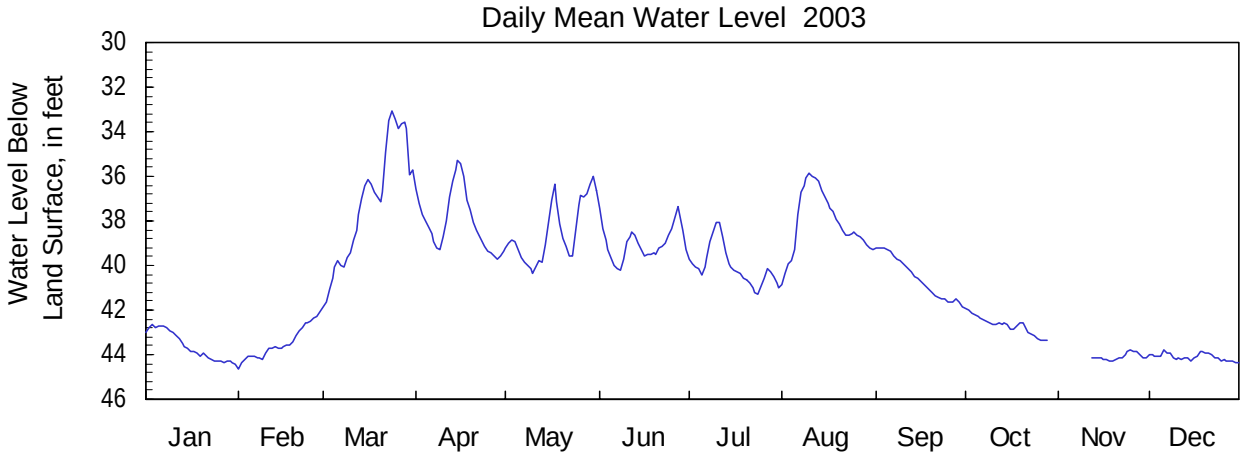
Monthly Water-Level Statistics

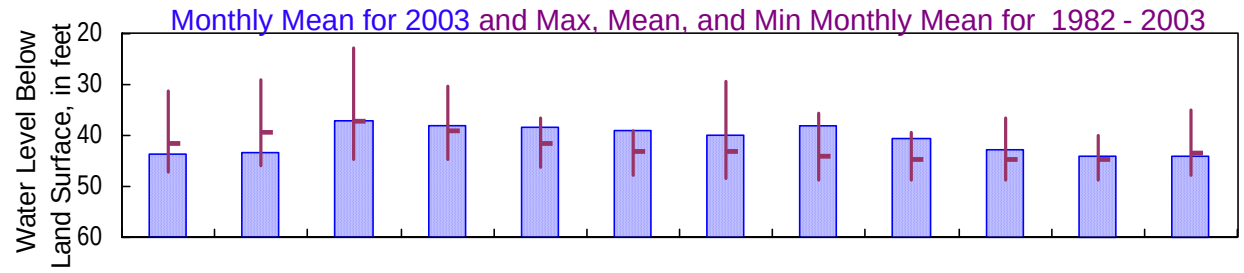
2003												
Max	36.31	37.30	36.26	25.17	30.55	31.65	32.38	32.39	32.29	35.66	37.29	38.37
Mean	36.31	37.03	26.09	22.87	26.55	30.74	30.93	28.34	30.60	35.33	36.49	37.84
Min	36.01	36.60	21.65	20.78	24.31	29.60	29.80	26.47	29.12	34.93	35.69	37.31
1998 - 2003												
Max	44.88	44.54	44.57	43.03	43.92	44.61	45.09	45.31	45.37	45.08	45.29	45.07
Mean	40.80	41.11	38.34	35.82	39.23	39.48	39.58	39.09	40.28	40.78	40.41	40.74
Min	35.80	34.40	21.65	20.78	24.31	29.60	29.80	26.47	29.12	33.59	34.87	36.58



Upper Floridan Aquifer
2003 Calendar Year
312617084110701 Site Name: 12K014

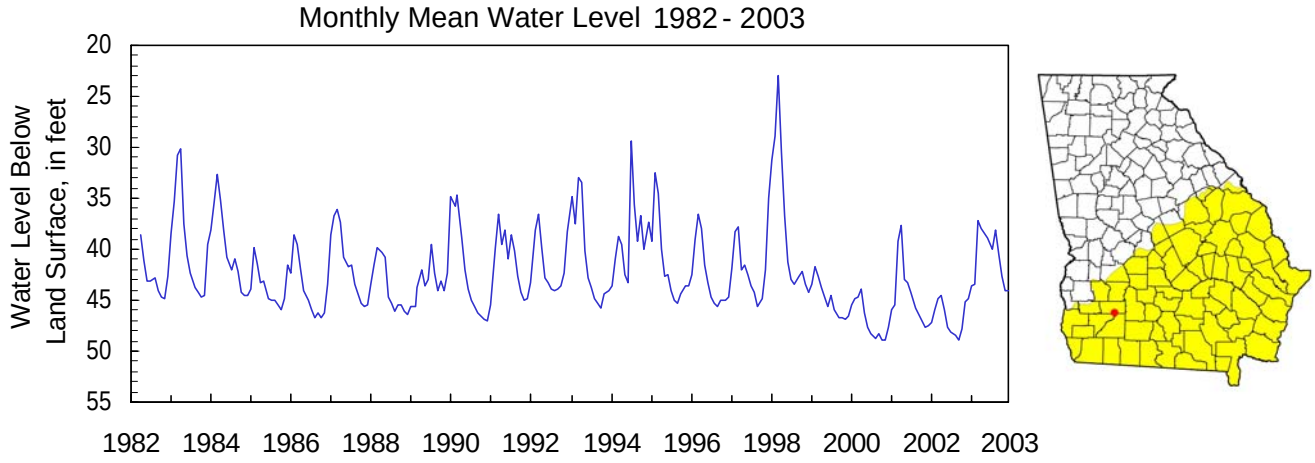
Latitude: 31°26' 11" Longitude: 84°11'05" Baker County Period of Record: 1982
Well Depth: 137 feet Datum: 183 feet Well Diameter: 2 inches





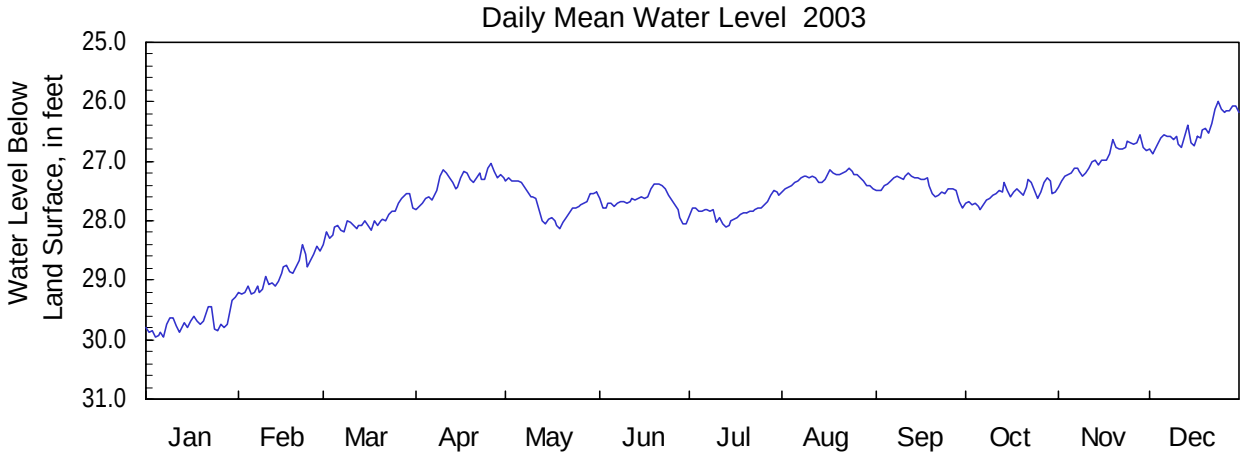
Monthly Water-Level Statistics

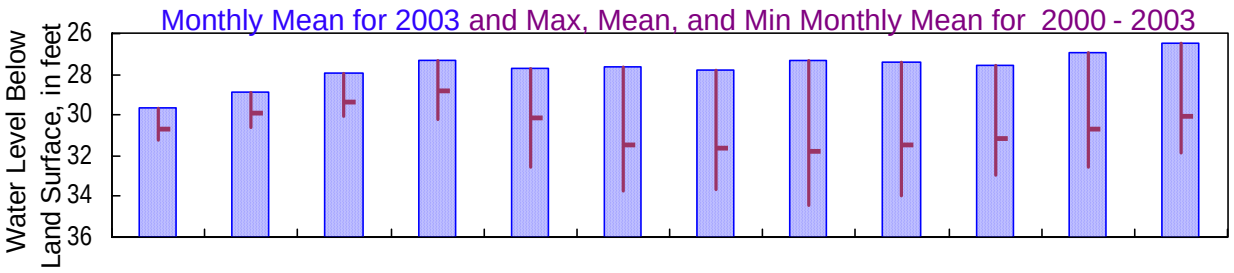
2003												
Max	43.61	44.61	41.88	39.69	40.39	40.18	41.26	40.87	41.85	43.37	44.30	44.35
Mean	43.61	43.50	37.23	38.02	38.49	38.97	40.07	38.06	40.55	42.68	44.08	44.10
Min	42.62	42.09	33.06	35.30	36.02	37.33	38.05	35.87	39.18	41.95	43.81	43.79
1982 - 2003												
Max	47.63	46.76	45.94	45.40	47.30	48.09	48.53	48.91	49.06	49.56	49.58	47.96
Mean	41.58	39.64	37.62	39.26	41.66	43.11	42.86	43.90	44.72	44.85	44.86	43.51
Min	24.42	25.36	16.07	25.05	33.19	37.33	19.05	32.58	37.11	33.86	38.28	24.04



Upper Floridan Aquifer
2003 Calendar Year
315443081185902 Site Name: 35P110

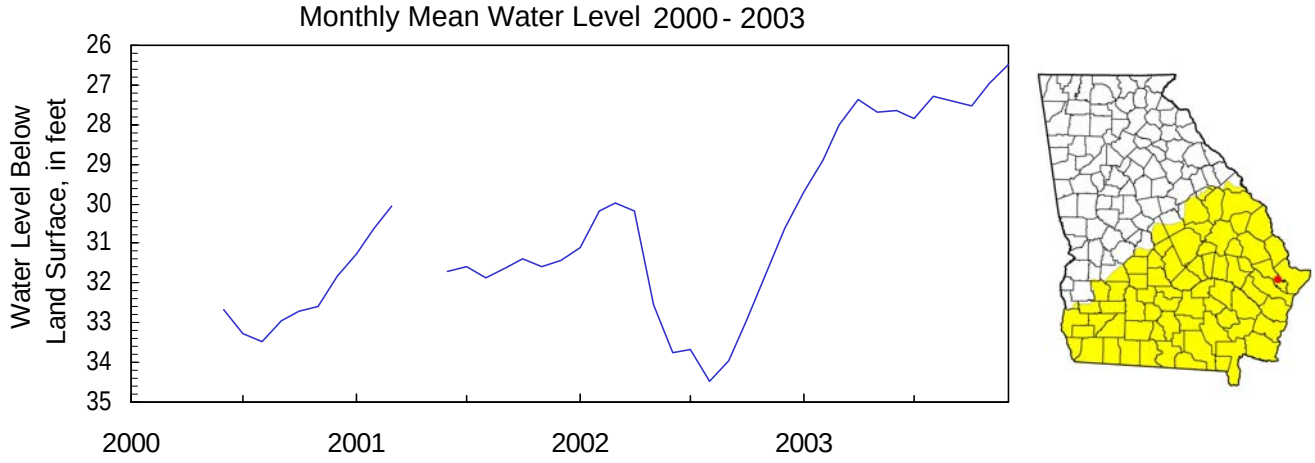
Latitude: 31°54' 43" Longitude: 81°18'59" Bryan County Period of Record: 2000
Well Depth: 441 feet Datum: 10 feet Well Diameter: 8 inches





Monthly Water-Level Statistics

2003												
Max	29.71	29.24	28.39	27.82	28.12	28.05	28.11	27.52	27.77	27.80	27.44	26.86
Mean	29.71	28.90	27.99	27.36	27.70	27.66	27.83	27.29	27.41	27.54	26.96	26.47
Min	29.30	28.39	27.54	27.03	27.28	27.38	27.49	27.13	27.19	27.27	26.56	25.98
2000 - 2003												
Max	31.80	30.93	30.38	30.85	33.22	34.25	34.15	34.73	34.39	33.56	32.85	32.24
Mean	29.82	29.87	29.00	28.78	30.12	30.93	31.35	31.77	31.37	31.08	30.72	30.08
Min	25.97	28.39	27.54	27.03	27.28	27.38	27.49	27.13	27.19	27.27	26.56	25.98



Upper Floridan Aquifer

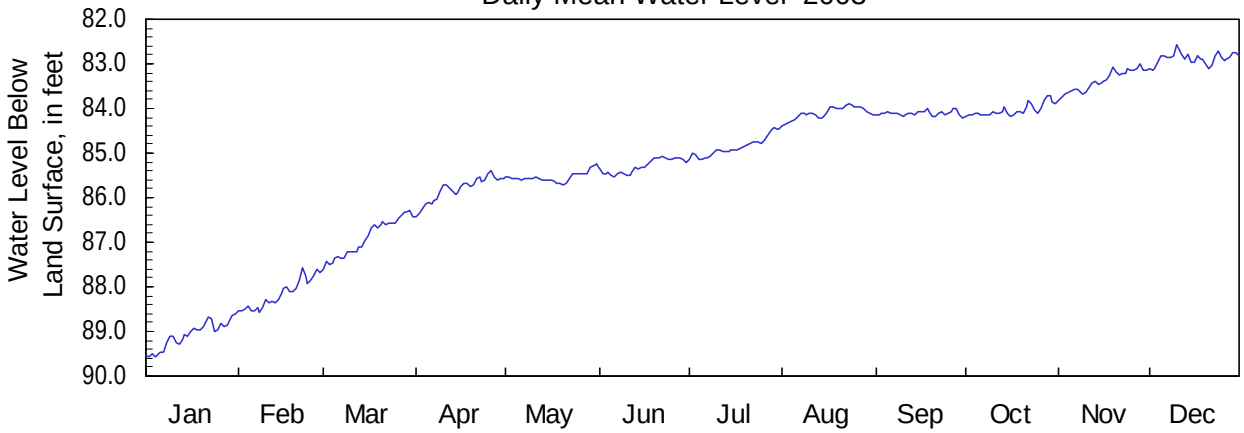
2003 Calendar Year

323123081511601 **Site Name: 31U008**

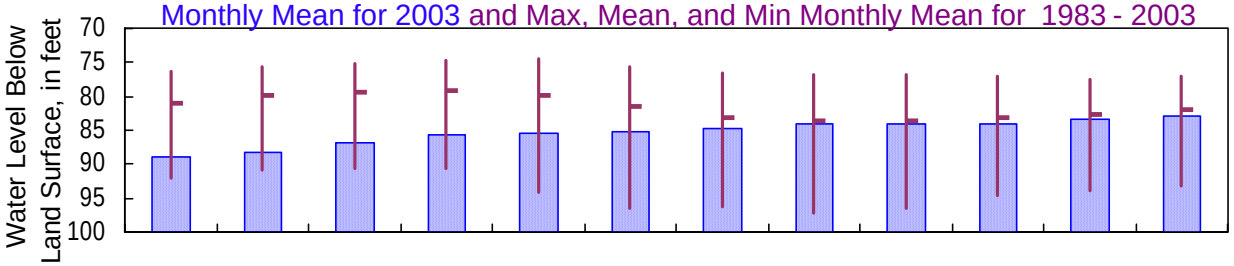
Latitude: 32°31' 23" Longitude: 81°51'16" Bulloch County Period of Record: 1983

Well Depth: 860 feet Datum: 204 feet Well Diameter: 6 inches

Daily Mean Water Level 2003



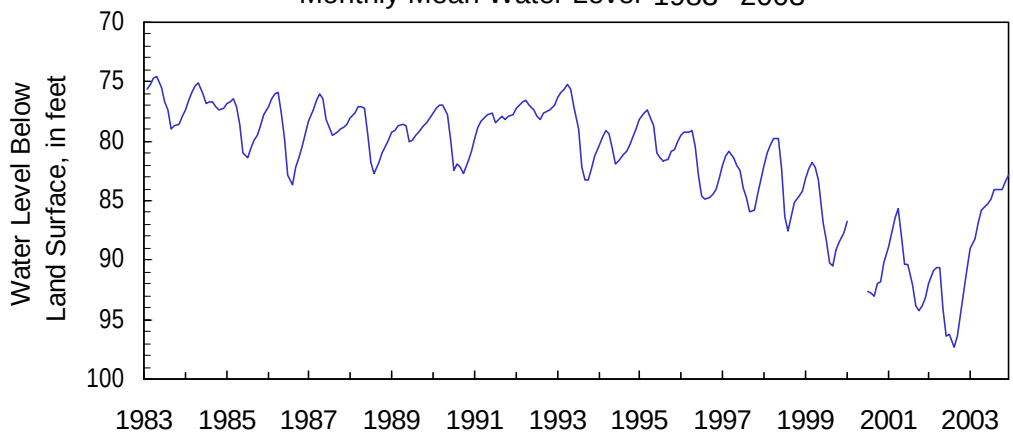
Monthly Mean for 2003 and Max, Mean, and Min Monthly Mean for 1983 - 2003



Monthly Water-Level Statistics

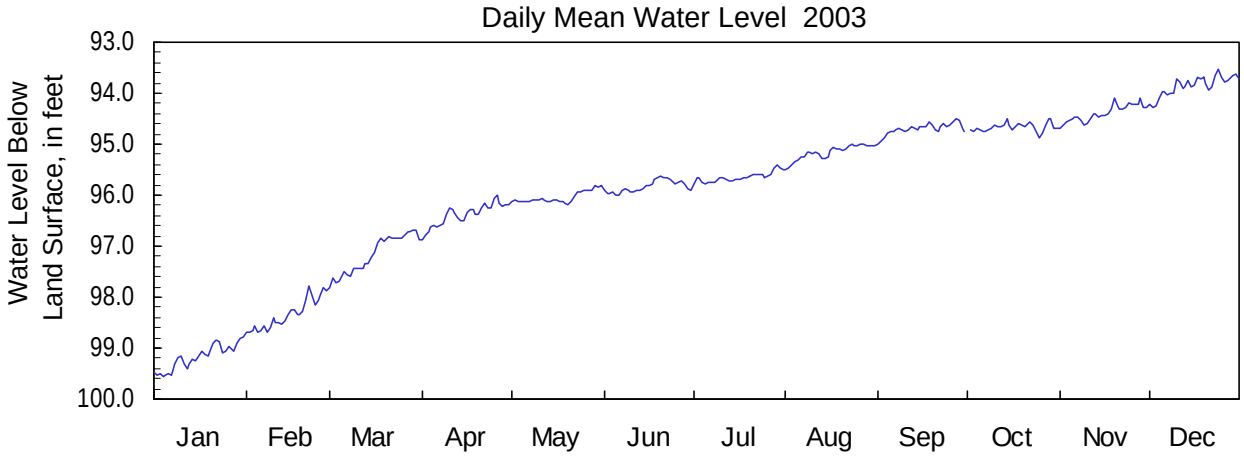
2003												
Max	89.08	88.57	87.61	86.44	85.73	85.52	85.15	84.40	84.22	84.19	83.84	83.14
Mean	89.08	88.17	86.90	85.81	85.54	85.29	84.86	84.10	84.11	84.04	83.39	82.88
Min	88.61	87.58	86.28	85.40	85.27	85.08	84.43	83.89	83.99	83.71	83.01	82.58
1983 - 2003												
Max	92.99	91.41	90.82	91.96	95.46	97.36	97.05	97.84	97.43	95.41	94.11	93.81
Mean	80.93	80.01	79.30	79.17	80.00	81.58	83.04	83.70	83.71	83.29	82.66	81.91
Min	75.99	75.54	74.93	74.26	74.37	74.71	76.29	76.52	76.58	76.82	77.14	76.71

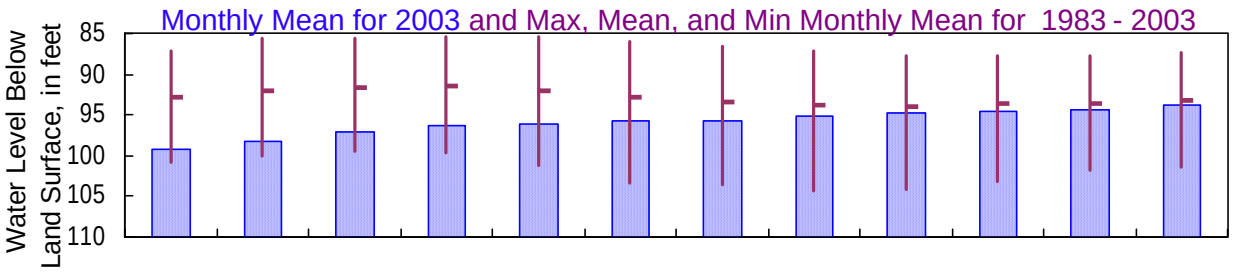
Monthly Mean Water Level 1983 - 2003



Upper Floridan Aquifer
2003 Calendar Year
321240081411501 Site Name: 32R002

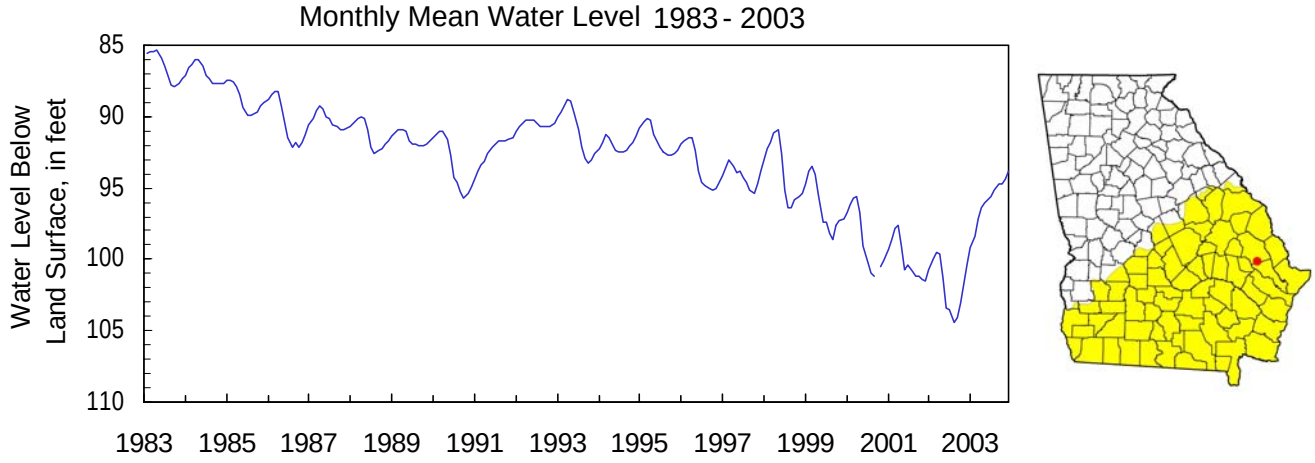
Latitude: 32°12'40" Longitude: 81°41'15" Bulloch County Period of Record: 1983
Well Depth: 804 feet Datum: 119 feet Well Diameter: 6 inches





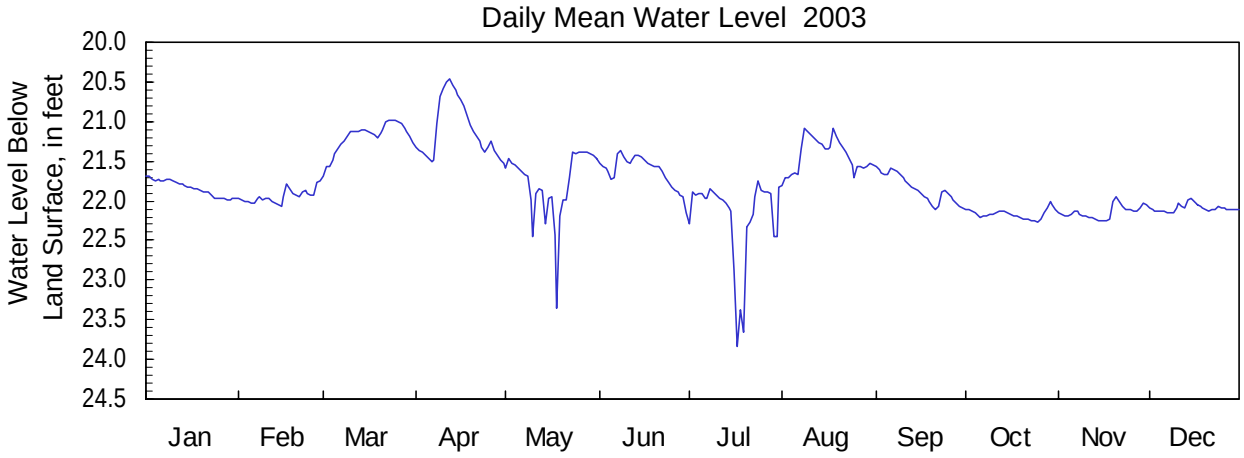
Monthly Water-Level Statistics

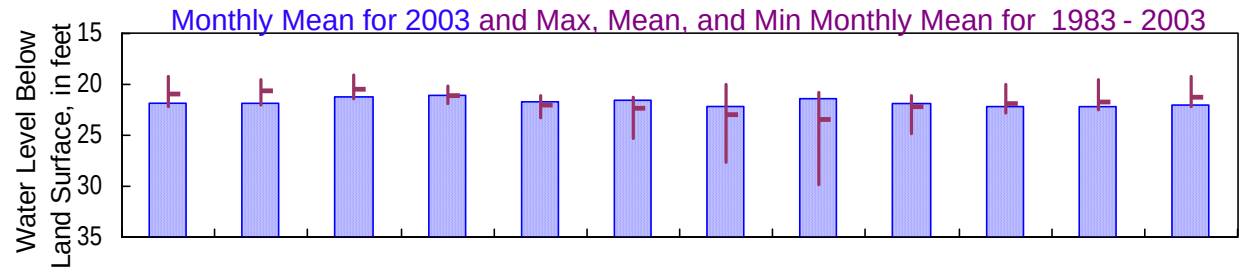
2003												
Max	99.18	98.70	97.80	96.88	96.18	95.99	95.79	95.51	94.99	94.89	94.67	94.27
Mean	99.18	98.34	97.16	96.38	96.04	95.83	95.65	95.16	94.70	94.66	94.39	93.85
Min	98.79	97.79	96.68	96.00	95.80	95.64	95.41	94.99	94.52	94.50	94.10	93.54
1983 - 2003												
Max	101.28	100.37	99.94	100.03	102.24	104.06	103.80	105.01	104.75	103.72	102.52	101.69
Mean	92.80	92.23	91.61	91.54	92.00	92.87	93.46	93.85	93.92	93.58	93.65	93.30
Min	86.65	85.54	84.54	85.08	85.11	85.50	86.17	83.87	87.60	87.51	87.44	87.12



Upper Floridan Aquifer
2003 Calendar Year
312853084275101 Site Name: 10K005

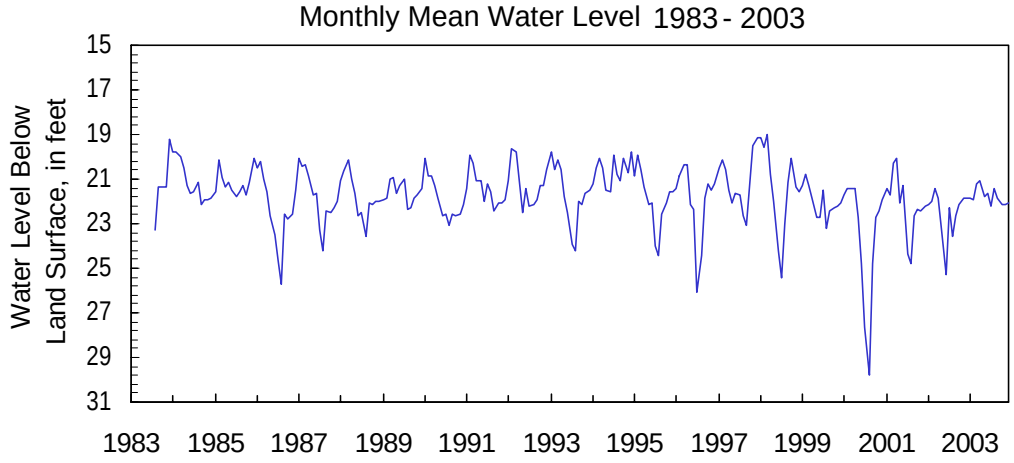
Latitude: 31°28' 53" Longitude: 84°27'51" Calhoun County Period of Record: 1983
Well Depth: 138 feet Datum: 190 feet Well Diameter: 4 inches





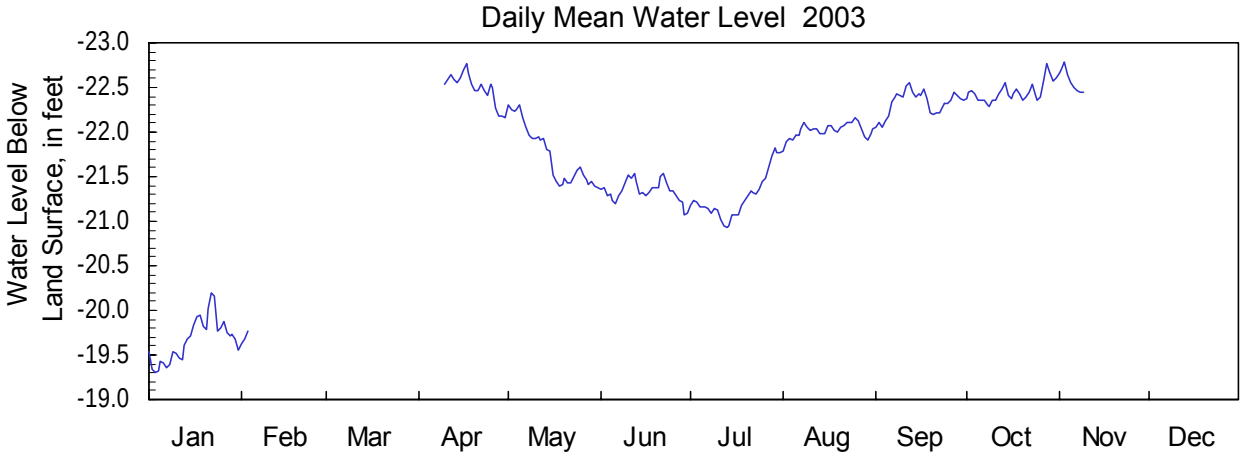
Monthly Water-Level Statistics

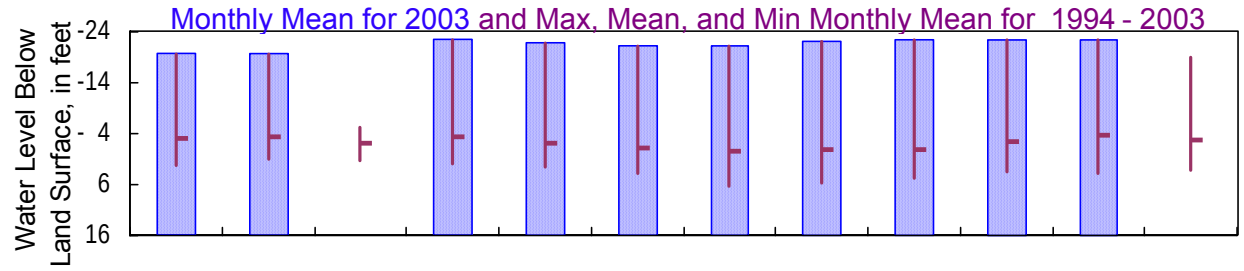
2003												
Max	21.84	22.06	21.70	21.53	23.35	22.15	23.84	21.81	22.11	22.27	22.25	22.15
Mean	21.84	21.94	21.19	21.11	21.78	21.62	22.20	21.42	21.84	22.17	22.14	22.09
Min	21.69	21.75	20.98	20.47	21.38	21.36	21.74	21.08	21.58	22.01	21.94	21.97
1983 - 2003												
Max	22.31	22.20	22.01	23.75	26.11	28.56	31.52	33.07	29.41	23.78	24.01	22.38
Mean	20.98	20.65	20.54	21.05	21.99	22.42	22.99	23.37	22.25	21.86	21.73	21.36
Min	18.28	18.00	16.99	19.22	19.99	20.00	18.47	19.98	19.35	18.62	18.43	16.75



Upper Floridan Aquifer
2003 Calendar Year
304313081330001 Site Name: 33D069

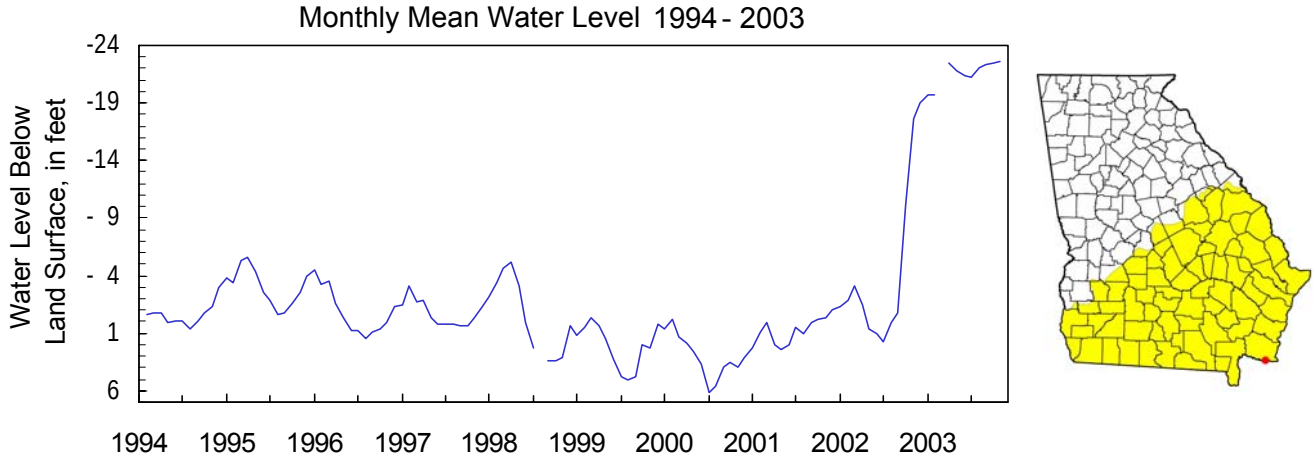
Latitude: 30°43' 13" Longitude: 81°33'00" Camden County Period of Record: 1994
Well Depth: 575 feet Datum: 7 feet Well Diameter: 4 inches





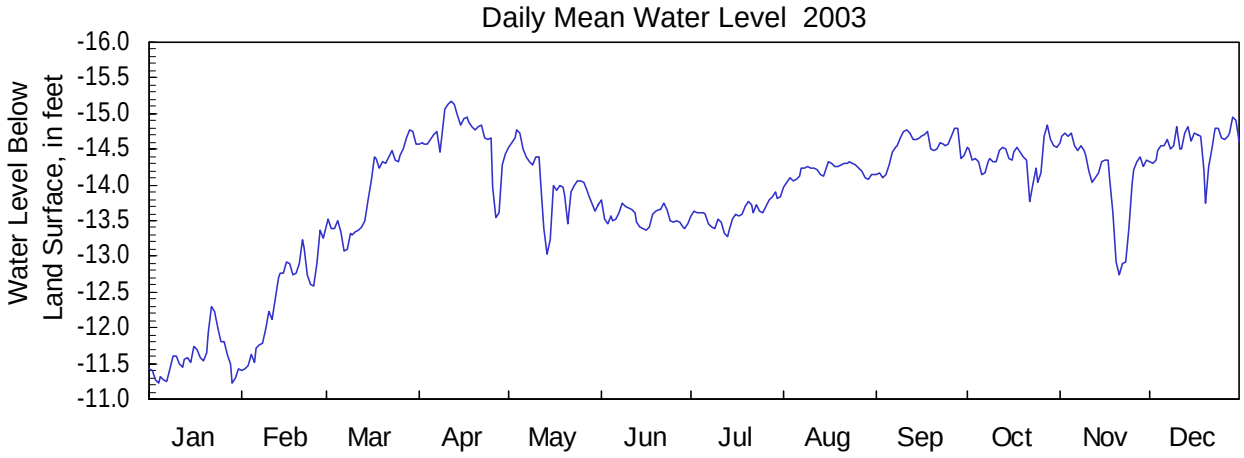
Monthly Water-Level Statistics

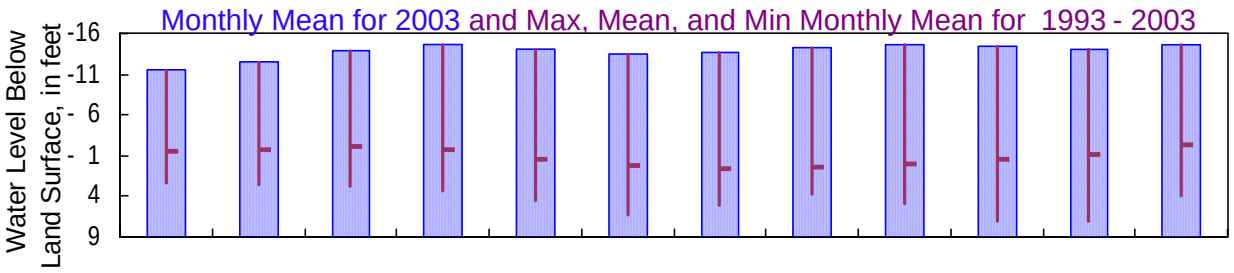
2003												
Max	-19.66	-19.62		-22.16	-21.38	-21.07	-20.93	-21.78	-22.05	-22.28	-22.44	
Mean	-19.66	-19.69		-22.49	-21.74	-21.34	-21.27	-22.01	-22.33	-22.44	-22.58	
Min	-20.19	-19.77		-22.77	-22.30	-21.54	-21.81	-22.16	-22.55	-22.77	-22.78	
1994 - 2003												
Max	3.08	2.32	2.19	2.53	3.02	6.30	7.16	6.11	7.71	4.10	4.17	3.78
Mean	-3.12	-1.80	-2.01	-2.89	-2.25	-1.29	-0.82	-0.96	-1.27	-2.51	-2.10	-2.86
Min	-20.19	-19.77	-7.33	-22.77	-22.30	-21.54	-21.81	-22.16	-22.55	-22.77	-22.78	-19.33



Upper Floridan Aquifer
2003 Calendar Year
304512081343601 Site Name: 33E007

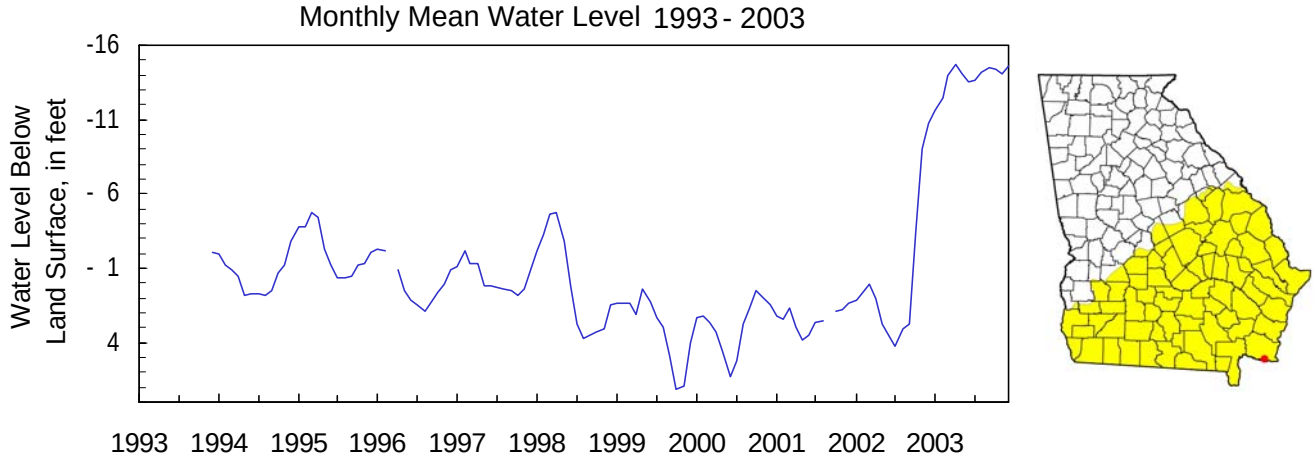
Latitude: 30°45'12" Longitude: 81°34'37" Camden County Period of Record: 1993
Well Depth: 760 feet Datum: 17 feet Well Diameter: 3 inches





Monthly Water-Level Statistics

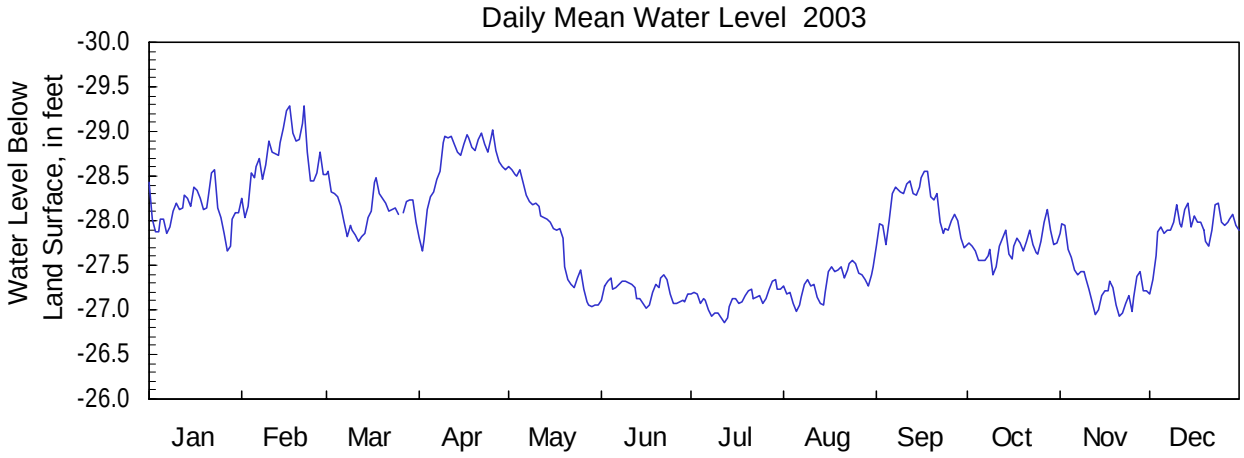
2003												
Max	-11.57	-11.41	-13.08	-13.55	-13.04	-13.36	-13.28	-13.97	-14.10	-13.77	-12.73	-13.74
Mean	-11.57	-12.42	-13.92	-14.66	-14.04	-13.55	-13.60	-14.20	-14.54	-14.38	-14.12	-14.57
Min	-12.29	-13.37	-14.77	-15.16	-14.78	-13.79	-13.89	-14.33	-14.80	-14.84	-14.73	-14.95
1993 - 2003												
Max	2.95	3.02	3.42	3.84	5.92	7.18	6.81	4.14	7.64	7.40	7.34	6.62
Mean	-2.27	-1.80	-2.19	-1.71	-0.61	0.20	0.56	0.19	-0.03	-0.62	-1.28	-2.34
Min	-14.84	-13.37	-14.77	-15.16	-14.78	-13.79	-13.89	-14.33	-14.80	-14.84	-14.73	-14.95

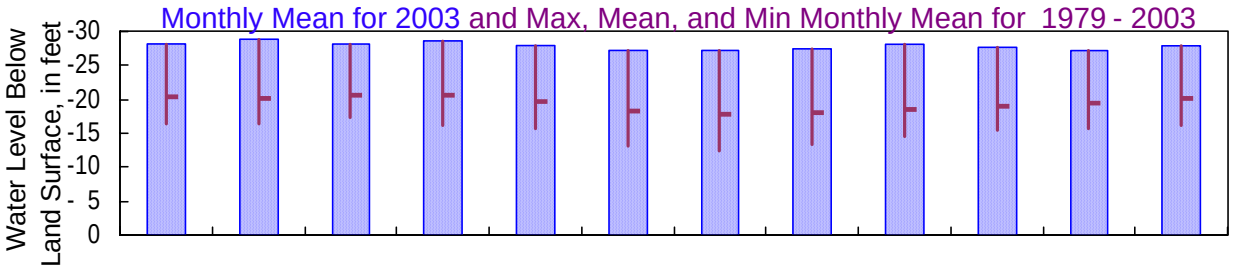


Upper Floridan Aquifer
2003 Calendar Year

304756081311101 **Site Name: 33E027**

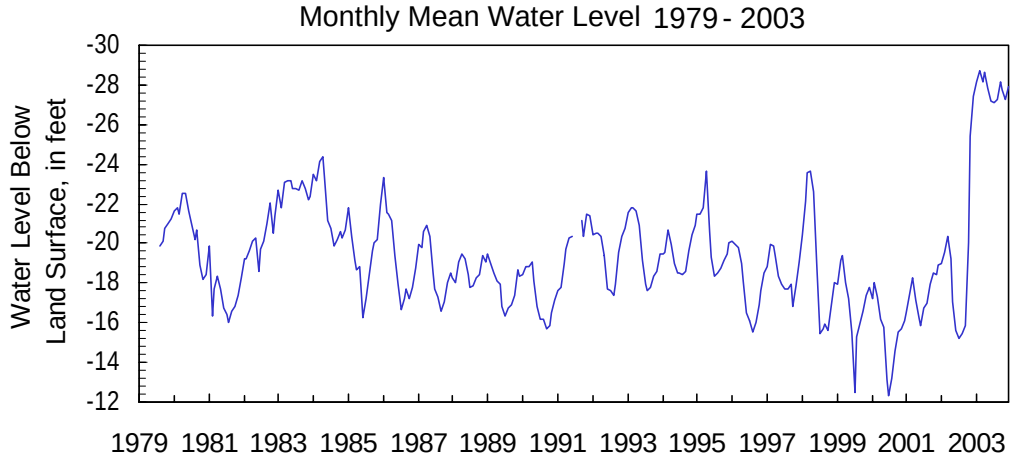
Latitude: 30°47'56" Longitude: 81°31'11" Camden County Period of Record: 1979
Well Depth: 990 feet Datum: 9 feet Well Diameter: 8 inches

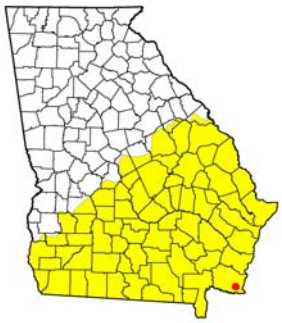




Monthly Water-Level Statistics

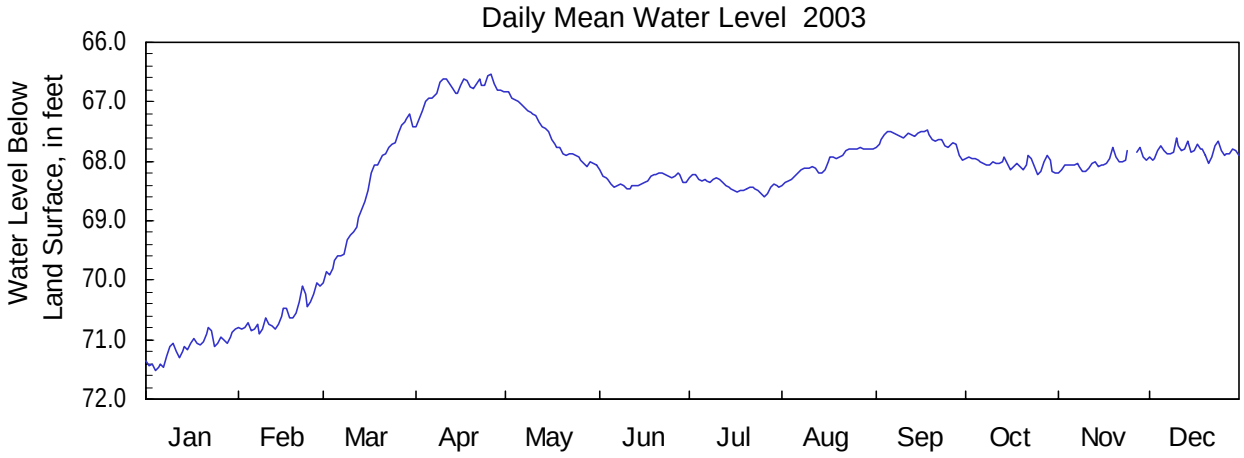
2003												
Max	-28.11	-28.04	-27.77	-27.66	-27.03	-27.03	-26.86	-26.99	-27.69	-27.40	-26.92	-27.18
Mean	-28.11	-28.72	-28.14	-28.65	-27.82	-27.21	-27.11	-27.31	-28.15	-27.71	-27.30	-27.91
Min	-28.57	-29.29	-28.55	-29.01	-28.60	-27.39	-27.34	-27.55	-28.56	-28.13	-27.96	-28.20
1979 - 2003												
Max	-15.84	-14.75	-14.90	-15.61	-14.62	-12.35	-9.92	-12.85	-13.69	-14.85	-15.41	-15.76
Mean	-20.47	-20.25	-20.58	-20.52	-19.76	-18.36	-17.74	-17.98	-18.42	-18.90	-19.48	-20.10
Min	-28.57	-29.29	-28.55	-29.01	-28.60	-27.39	-27.34	-27.55	-28.56	-28.13	-27.96	-28.32

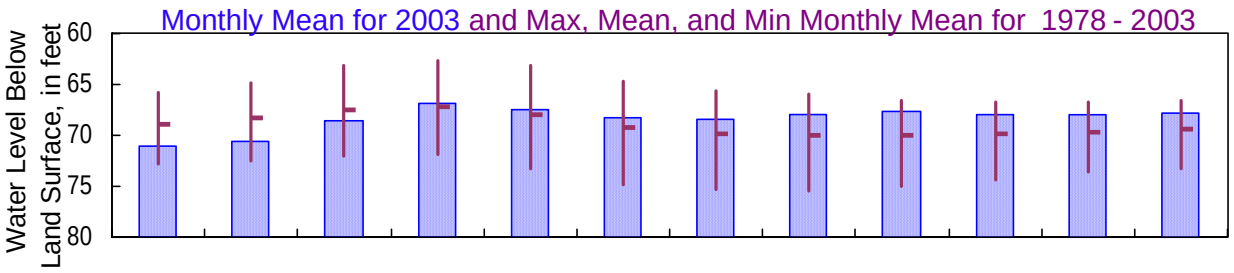




Upper Floridan Aquifer
2003 Calendar Year
304942082213801 Site Name: 27E004

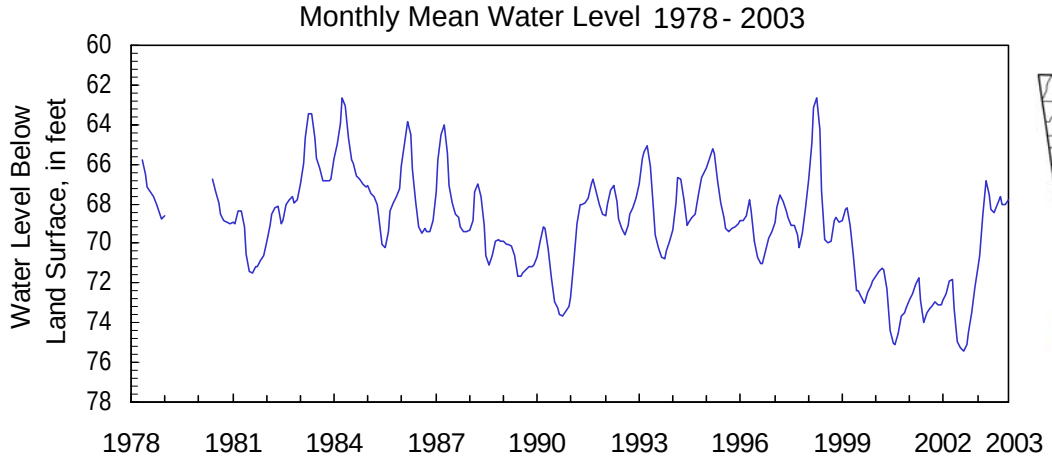
Latitude: 30°49' 43" Longitude: 82°21'38" Charlton County Period of Record: 1978
Well Depth: 700 feet Datum: 115 feet Well Diameter: 4 inches





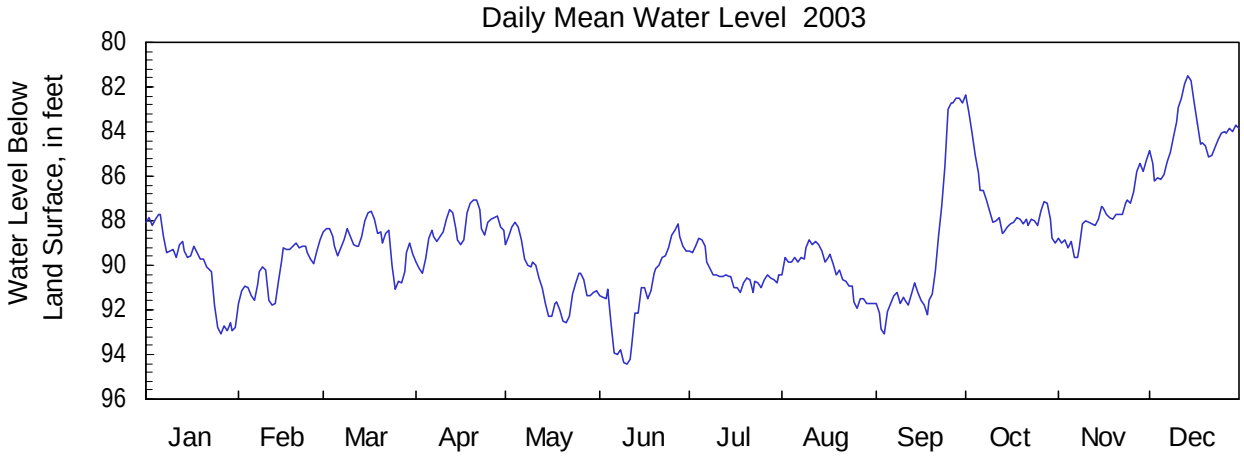
Monthly Water-Level Statistics

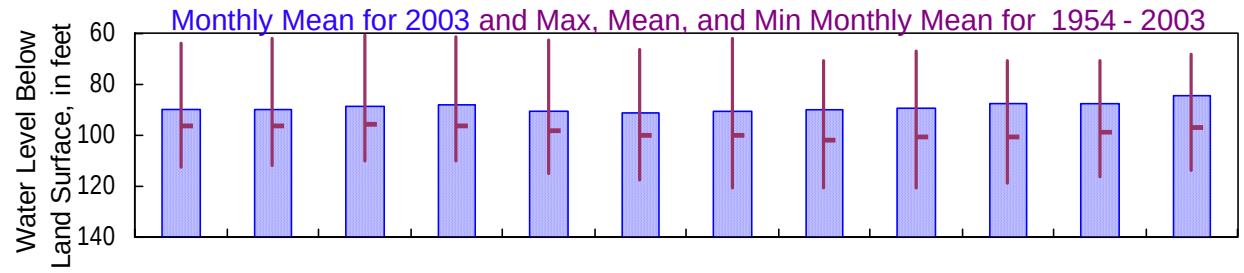
2003												
Max	71.13	70.89	70.03	67.41	68.08	68.46	68.59	68.41	67.99	68.23	68.20	68.03
Mean	71.13	70.58	68.55	66.80	67.54	68.31	68.40	68.02	67.63	68.04	68.02	67.83
Min	70.79	70.04	67.21	66.53	66.82	68.14	68.21	67.76	67.47	67.89	67.77	67.61
1978 - 2003												
Max	73.22	72.78	72.57	72.09	74.02	75.34	75.43	75.63	75.41	74.83	74.13	73.52
Mean	68.94	68.33	67.52	67.41	68.20	69.34	69.88	70.07	70.04	69.81	69.69	69.44
Min	65.23	63.91	62.39	62.13	62.30	63.78	65.35	65.78	66.15	66.54	66.43	66.12



Upper Floridan Aquifer
2003 Calendar Year
320530081085001 Site Name: 36Q008

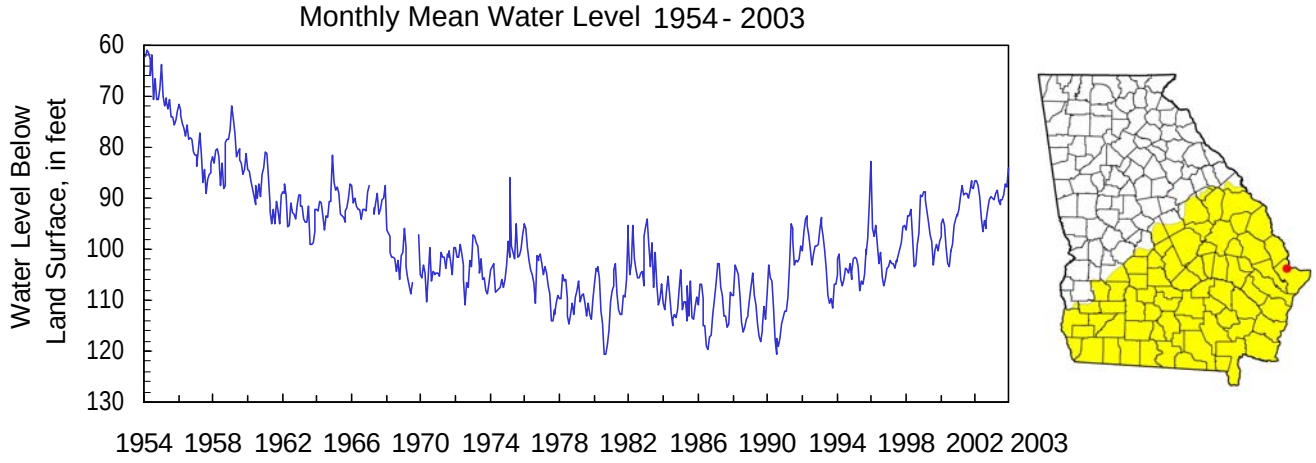
Latitude: 32°05'30" Longitude: 81°08'50" Chatham County Period of Record: 1954
Well Depth: 406 feet Datum: 9 feet Well Diameter: 4 inches





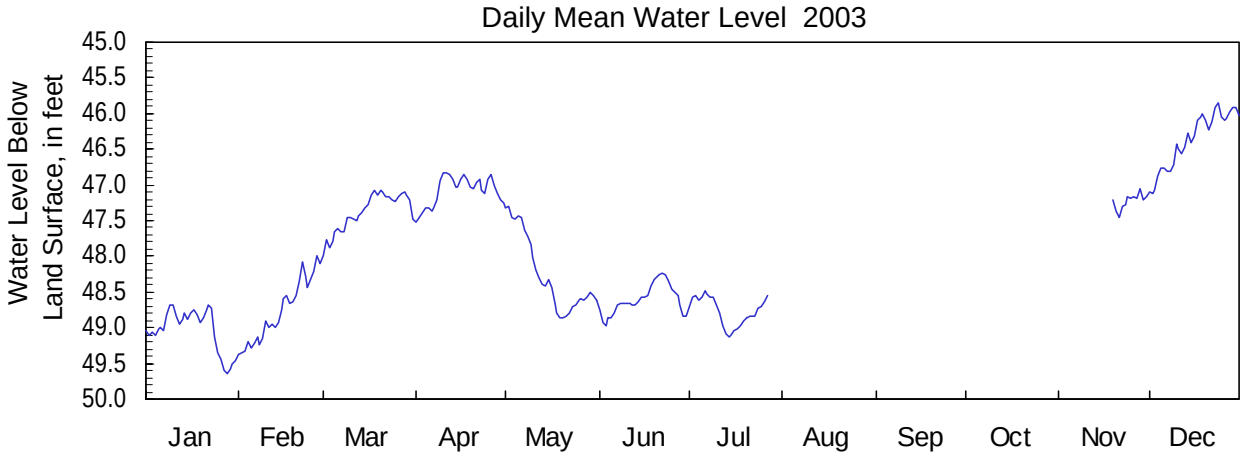
Monthly Water-Level Statistics

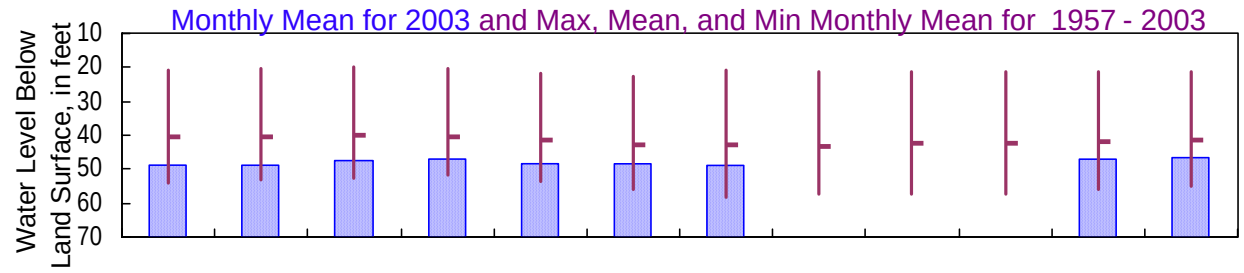
2003												
Max	90.02	91.78	91.05	90.33	92.57	94.43	91.22	91.92	93.08	89.02	89.65	86.21
Mean	90.02	90.19	89.00	88.41	90.65	91.22	90.33	90.24	89.41	87.29	87.79	84.19
Min	87.69	88.87	87.59	87.09	88.07	88.17	88.79	88.85	82.48	82.39	85.31	81.46
1954 - 2003												
Max	116.96	114.36	113.36	113.70	118.02	120.97	122.11	124.40	122.30	120.25	117.75	119.05
Mean	96.94	96.53	95.65	96.81	98.64	100.31	100.55	102.32	101.08	100.48	99.21	97.25
Min	51.25	58.88	59.72	60.42	60.56	63.09	49.17	69.05	60.33	66.57	69.23	54.21



Upper Floridan Aquifer
2003 Calendar Year
320021081124801 Site Name: 36Q020

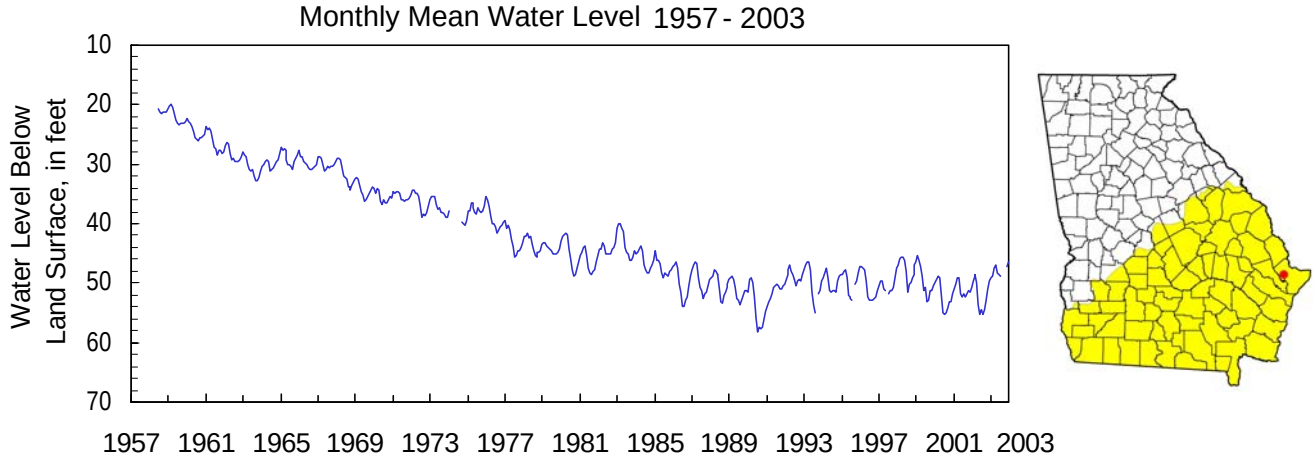
Latitude: 32°00'21" Longitude: 81°12'48" Chatham County Period of Record: 1957
Well Depth: 336 feet Datum: 12 feet Well Diameter: 3 inches





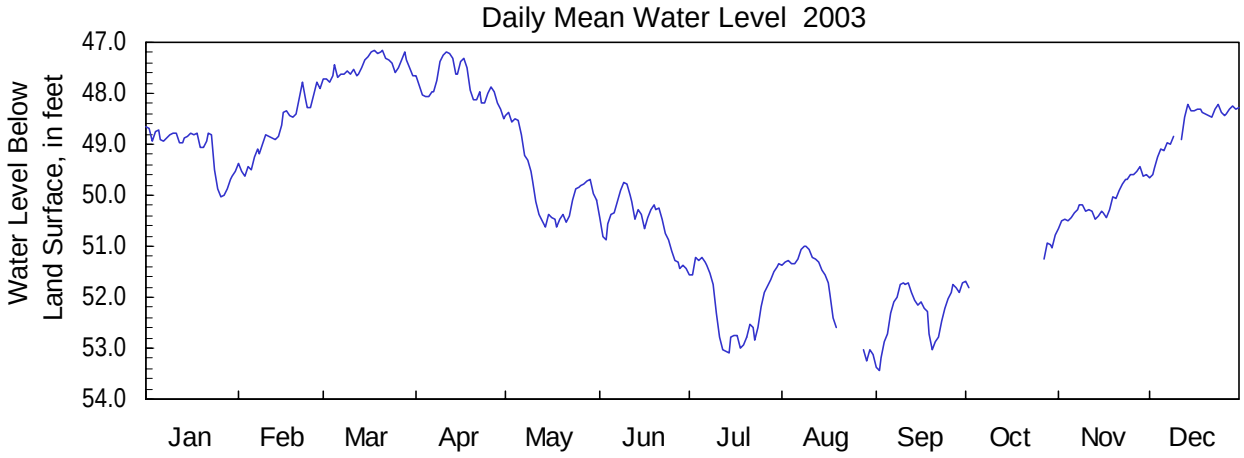
Monthly Water-Level Statistics

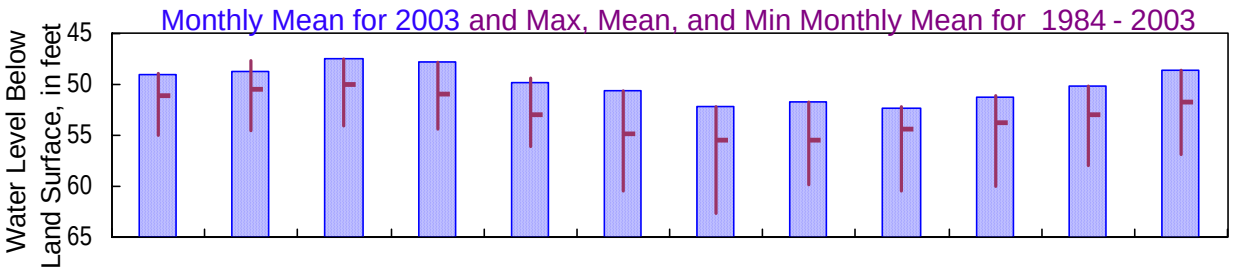
2003												
Max	49.03	49.36	47.99	47.53	48.87	48.96	49.12				47.46	47.12
Mean	49.03	48.77	47.38	47.09	48.26	48.61	48.77				47.23	46.37
Min	48.69	47.99	47.07	46.83	47.30	48.23	48.48				47.06	45.84
1957 - 2003												
Max	54.26	53.53	53.08	52.71	54.44	57.55	58.56	57.97	58.43	58.44	56.53	55.59
Mean	41.04	40.32	40.06	40.62	41.96	43.17	43.58	43.56	43.43	42.52	43.05	41.83
Min	20.47	19.60	19.48	19.77	21.02	22.48	20.72	20.88	21.22	21.13	21.13	20.74



Upper Floridan Aquifer
2003 Calendar Year
315906081011202 Site Name: 37P114

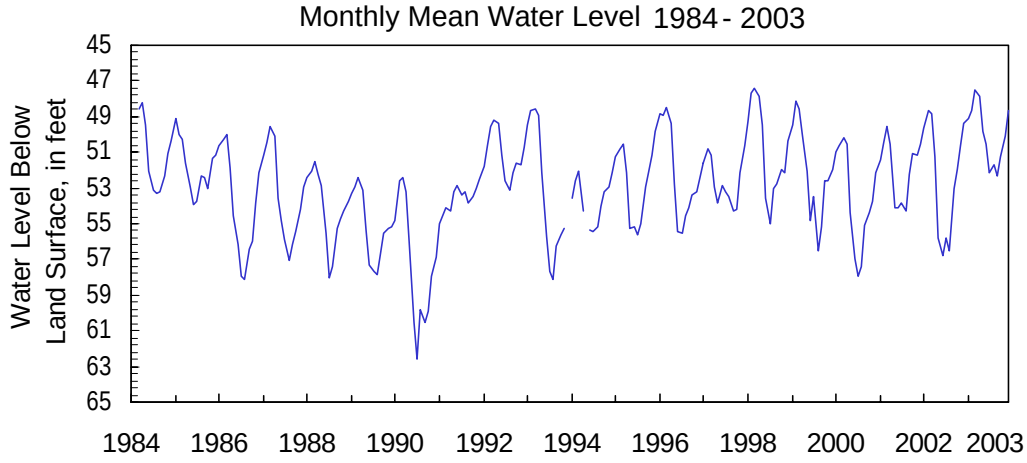
Latitude: 31°59' 06" Longitude: 81°01'12" Chatham County Period of Record: 1984
Well Depth: 400 feet Datum: 9 feet Well Diameter: 6 inches

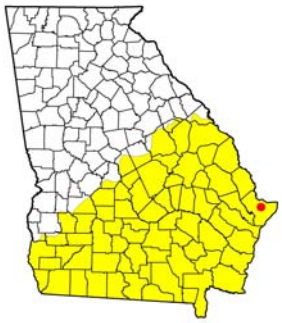




Monthly Water-Level Statistics

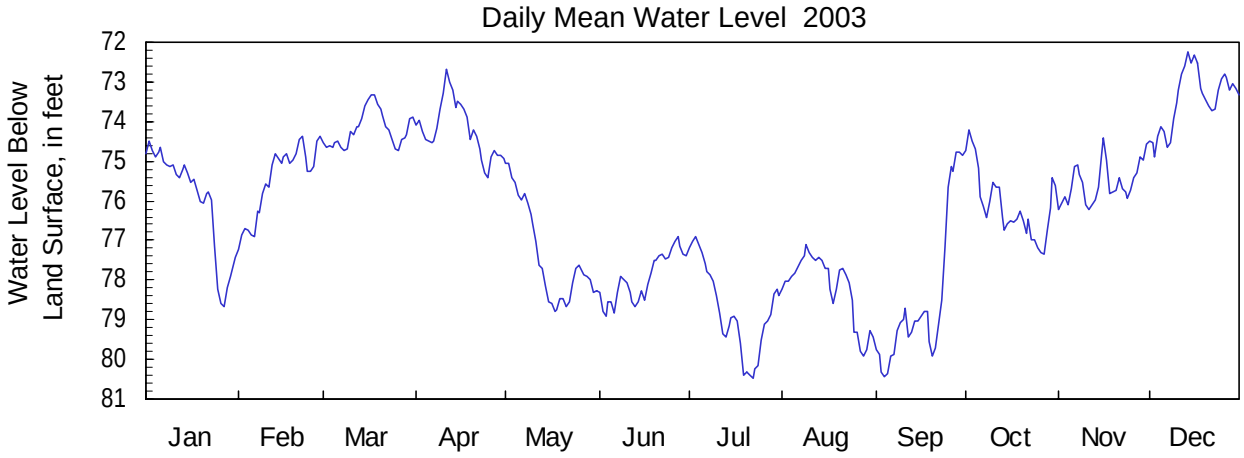
2003												
Max	49.09	49.63	47.79	48.51	50.64	51.44	53.10	53.24	53.43	51.80	50.65	49.65
Mean	49.09	48.68	47.47	47.82	49.78	50.55	52.14	51.74	52.29	51.21	50.11	48.64
Min	48.66	47.77	47.15	47.18	48.38	49.75	51.21	51.01	51.71	50.78	49.45	48.22
1984 - 2003												
Max	56.36	55.05	54.68	55.66	57.74	62.94	64.06	62.08	62.23	61.41	58.70	57.53
Mean	50.99	50.49	50.07	50.99	53.12	54.86	55.54	55.38	54.55	53.84	52.93	51.67
Min	47.89	46.99	47.15	47.18	47.80	49.75	51.21	51.01	50.88	50.78	49.45	48.22

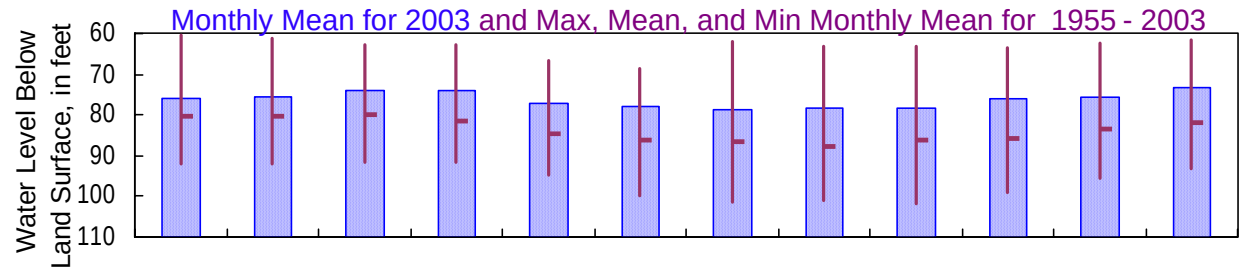




Upper Floridan Aquifer
2003 Calendar Year
320433081042701 Site Name: 37Q016

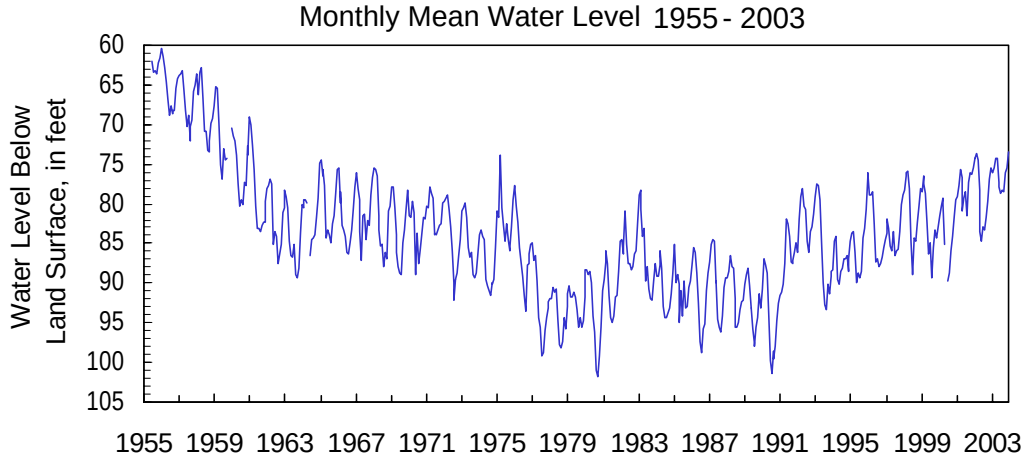
Latitude: 32°04' 33" Longitude: 81°04'27" Chatham County Period of Record: 1955
Well Depth: 500 feet Datum: 4 feet Well Diameter: 6 inches

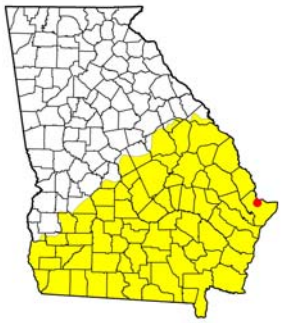




Monthly Water-Level Statistics

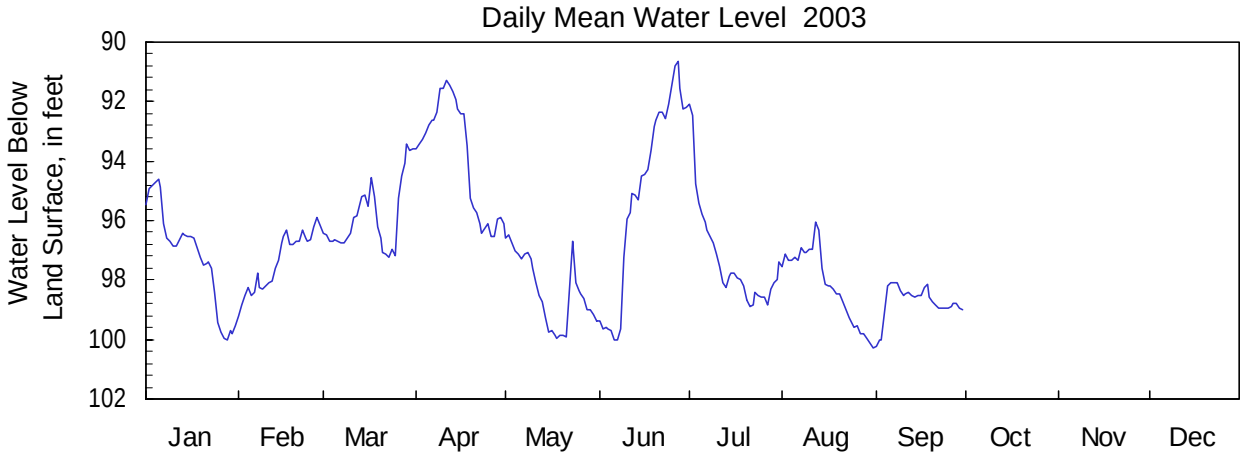
2003												
Max	75.98	77.24	74.74	75.43	78.78	78.92	80.46	79.91	80.42	77.33	76.21	74.90
Mean	75.98	75.48	74.20	74.21	77.37	77.95	78.77	78.19	78.48	76.11	75.54	73.45
Min	74.50	74.36	73.31	72.67	75.04	76.92	76.92	77.10	74.76	74.20	74.40	72.23
1955 - 2003												
Max	96.70	93.62	93.10	93.65	97.79	102.82	103.53	102.80	103.25	100.76	97.50	99.16
Mean	80.62	80.66	80.05	81.83	85.03	86.50	87.15	88.18	86.72	85.77	83.90	82.00
Min	58.70	60.71	60.77	59.71	64.60	67.53	59.40	62.13	60.62	62.01	61.37	57.61

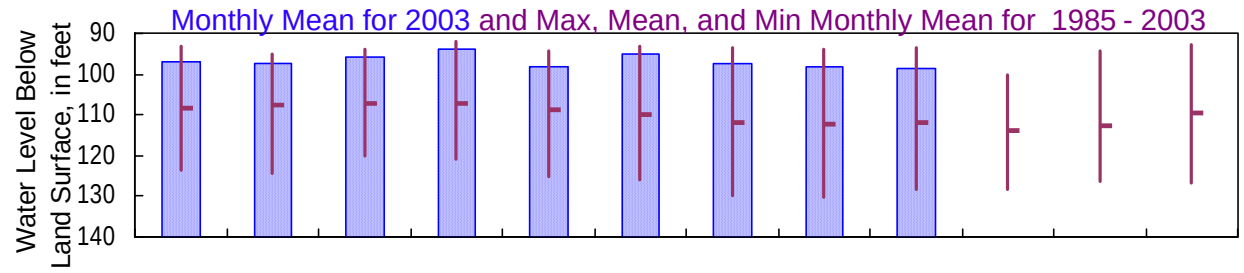




Upper Floridan Aquifer
2003 Calendar Year
320622081063701 Site Name: 37Q185

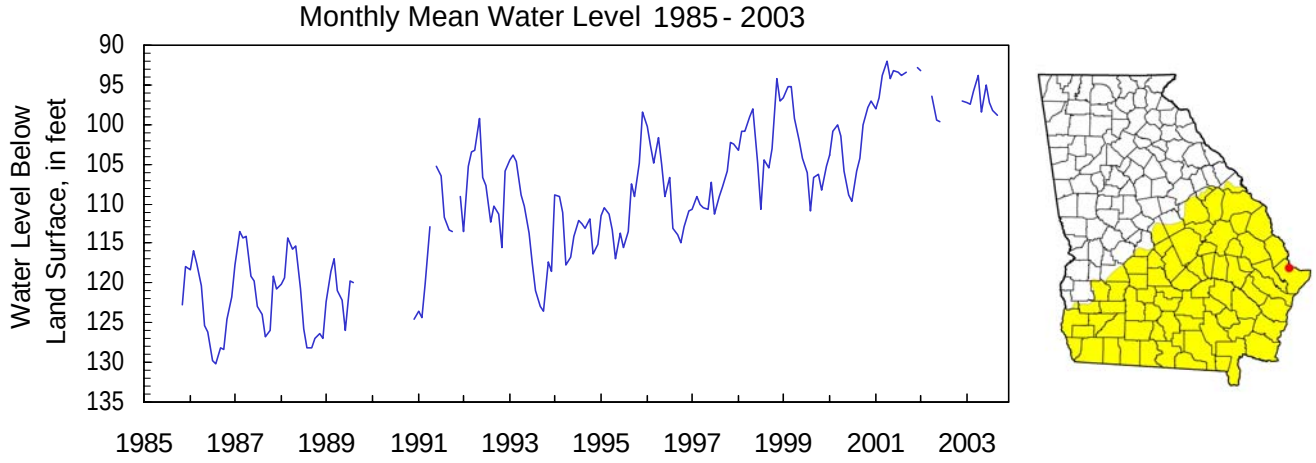
Latitude: 32°06' 22" Longitude: 81°06'37" Chatham County Period of Record: 1985
Well Depth: 344 feet Datum: 5 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

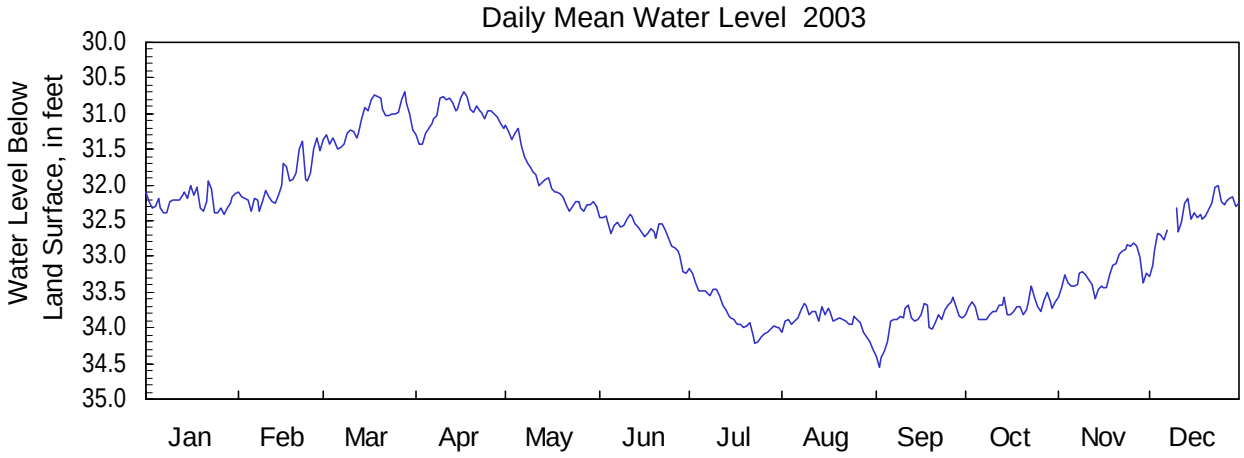
2003												
Max	97.17	99.19	97.21	96.55	99.98	100.04	98.89	100.26	100.25			
Mean	97.17	97.38	95.87	93.87	98.36	95.09	97.28	98.20	98.75			
Min	94.59	95.88	93.41	91.28	96.50	90.62	92.07	96.04	98.07			
1985 - 2003												
Max	125.74	126.02	124.69	124.32	127.93	129.61	131.68	131.59	129.90	129.70	127.27	128.02
Mean	108.53	107.09	107.90	107.03	108.68	109.89	111.79	111.94	112.85	113.92	111.29	110.16
Min	92.76	93.86	92.74	91.28	91.20	90.62	91.41	91.73	93.25	98.80	77.40	84.17

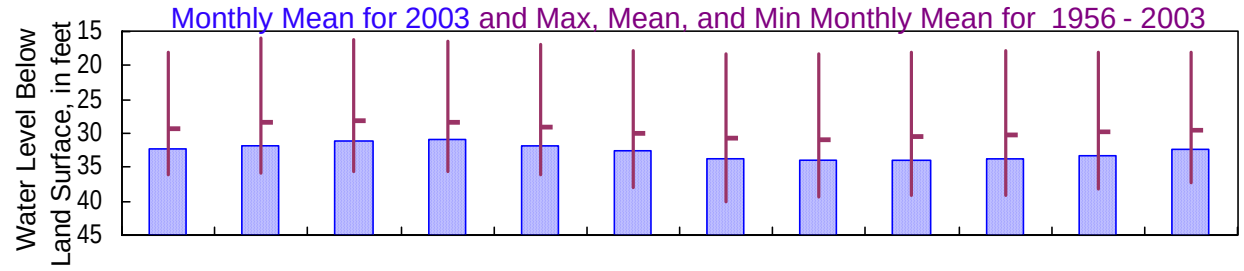


Upper Floridan Aquifer
2003 Calendar Year

320202080541201 **Site Name: 38Q002**

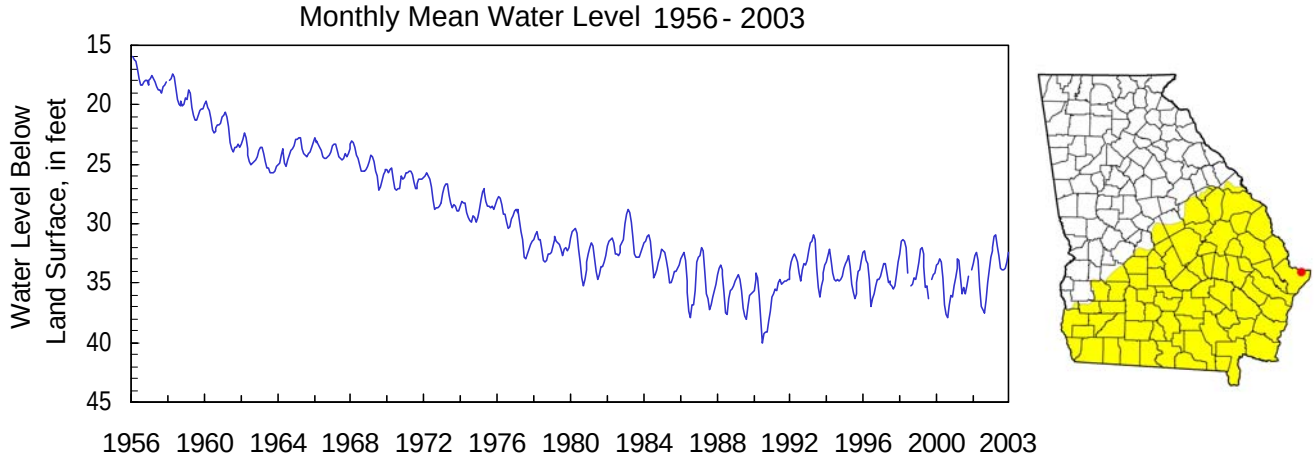
Latitude: 32°02' 02" Longitude: 80°54'12" Chatham County Period of Record: 1956
Well Depth: 348 feet Datum: 7 feet Well Diameter: 8 inches





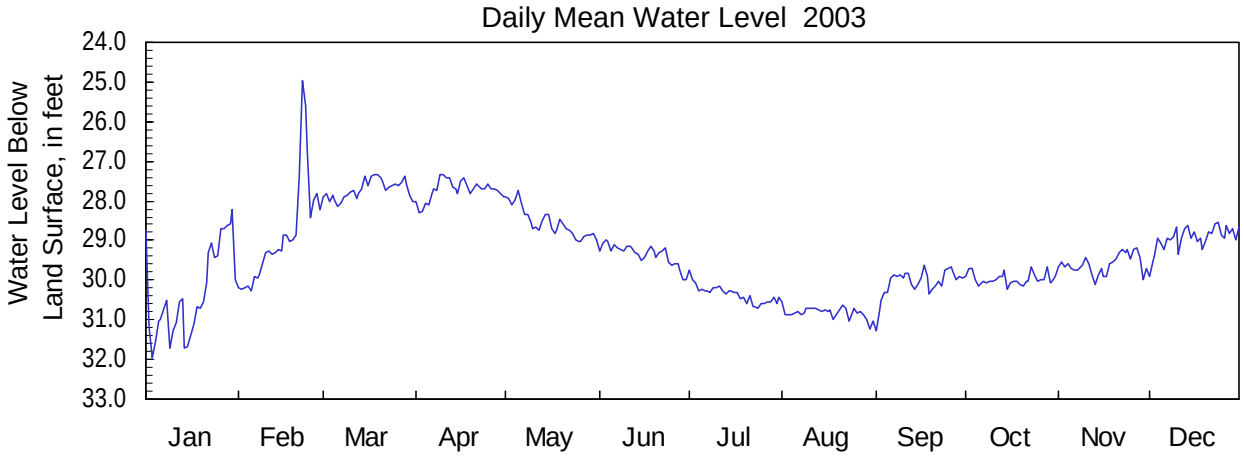
Monthly Water-Level Statistics

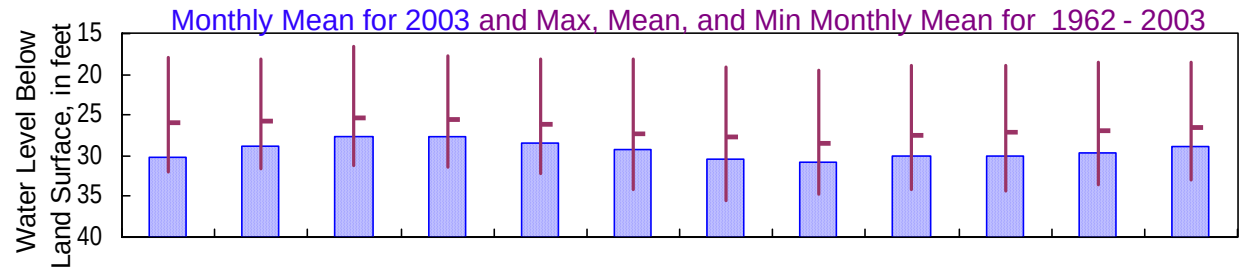
2003												
Max	32.23	32.38	31.50	31.44	32.37	33.24	34.22	34.32	34.55	33.89	33.60	33.28
Mean	32.23	31.96	31.10	31.00	31.93	32.66	33.78	33.89	33.91	33.72	33.23	32.45
Min	31.94	31.35	30.69	30.69	31.17	32.42	33.16	33.67	33.58	33.43	32.81	32.01
1956 - 2003												
Max	36.46	36.22	35.76	36.01	36.92	39.64	40.69	39.82	39.68	39.71	38.40	38.09
Mean	30.76	30.23	29.88	30.24	31.07	31.88	32.60	32.91	32.55	32.15	31.65	31.32
Min	17.19	16.00	15.95	15.80	16.65	17.40	18.10	18.30	17.85	17.68	17.73	17.80



Upper Floridan Aquifer
2003 Calendar Year
320122080510204 Site Name: 39Q003

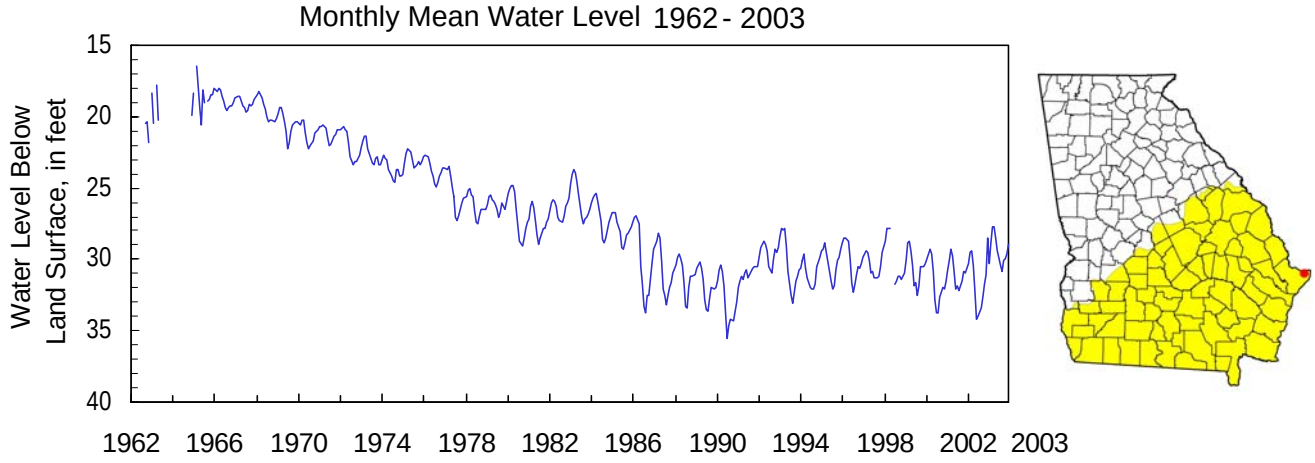
Latitude: 32°01'22" Longitude: 80°51'02" Chatham County Period of Record: 1962
Well Depth: 600 feet Datum: 6 feet Well Diameter: 10 inches





Monthly Water-Level Statistics

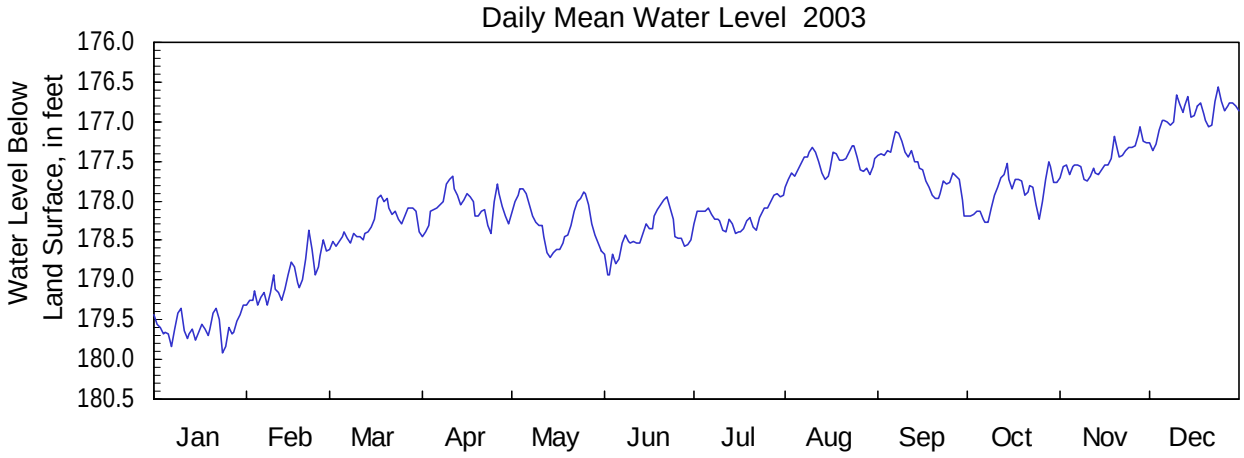
2003												
Max	30.31	30.26	28.15	28.32	29.04	30.00	30.71	31.22	31.25	30.21	30.11	29.90
Mean	30.31	28.84	27.71	27.72	28.55	29.35	30.36	30.82	30.06	29.97	29.60	28.95
Min	28.21	24.96	27.34	27.33	27.72	29.00	29.76	30.53	29.64	29.66	29.17	28.56
1962 - 2003												
Max	32.53	32.30	31.51	31.76	33.02	35.33	36.07	35.27	34.84	35.00	33.88	33.56
Mean	26.69	26.04	25.79	26.16	27.02	27.79	28.54	28.82	27.91	27.64	27.47	27.07
Min	17.95	17.80	16.50	17.70	17.95	18.15	19.05	19.25	18.50	18.35	18.23	18.23

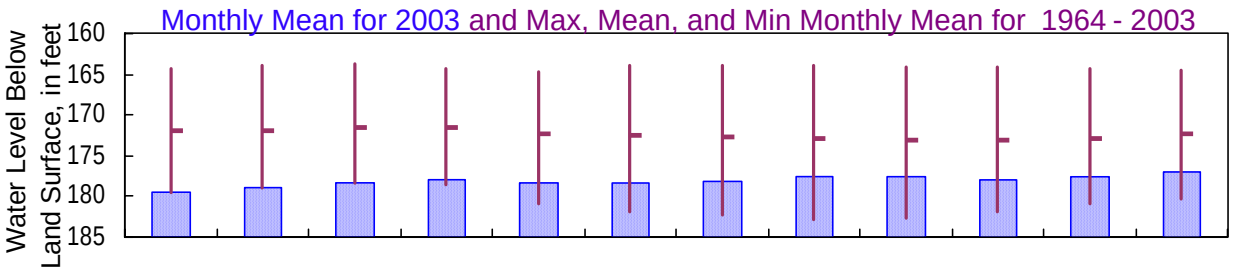


Upper Floridan Aquifer
2003 Calendar Year

310813083260301 **Site Name: 18H016**

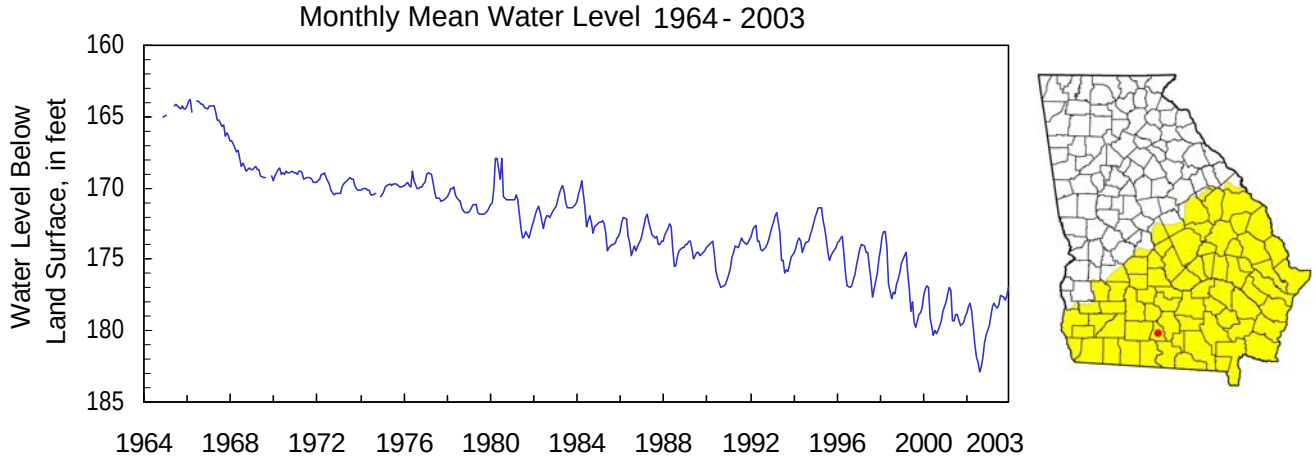
Latitude: 31°08' 13" Longitude: 83°26'03" Cook County Period of Record: 1964
Well Depth: 865 feet Datum: 240 feet Well Diameter: 8 inches





Monthly Water-Level Statistics

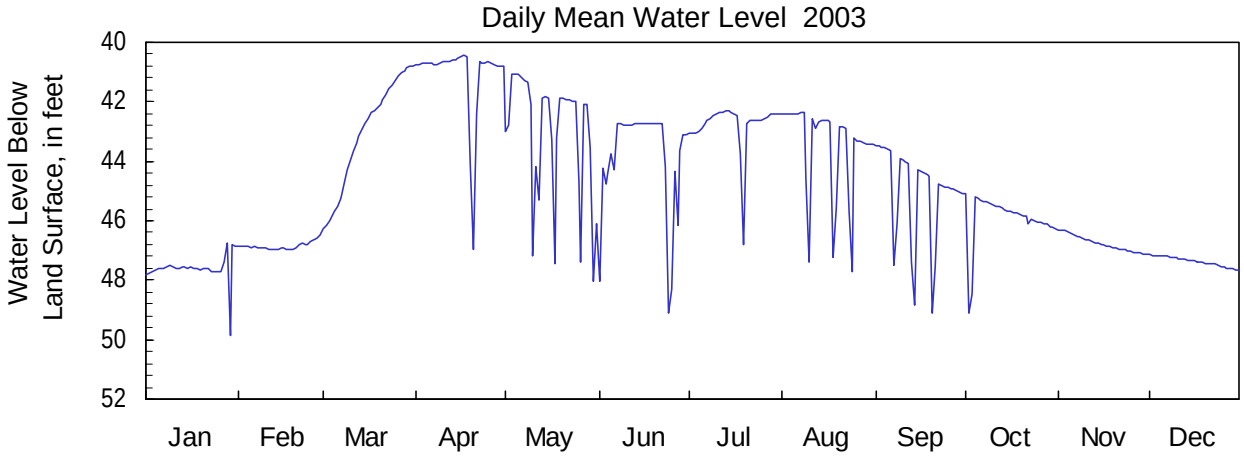
2003												
Max	179.60	179.32	178.62	178.45	178.72	178.94	178.41	177.82	178.19	178.28	177.74	177.36
Mean	179.60	178.99	178.29	178.07	178.26	178.44	178.19	177.53	177.60	177.91	177.48	176.91
Min	179.31	178.37	177.93	177.69	177.85	177.94	177.91	177.30	177.12	177.50	177.06	176.57
1964 - 2003												
Max	179.92	179.32	178.62	179.67	181.57	182.43	182.81	183.46	183.45	182.26	181.44	180.65
Mean	172.23	172.05	171.64	171.66	172.39	172.95	172.80	172.86	173.21	173.12	172.91	172.60
Min	163.26	163.50	163.37	163.75	163.85	163.19	163.34	163.45	163.77	163.78	163.87	163.82

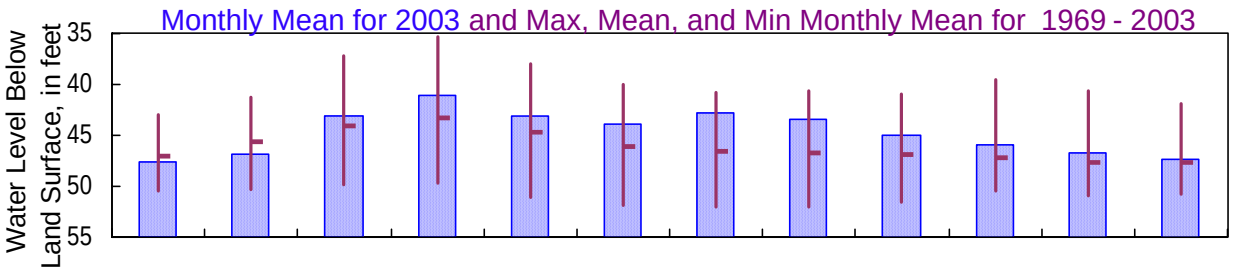


Upper Floridan Aquifer
2003 Calendar Year

305736084355801 **Site Name: 09F520**

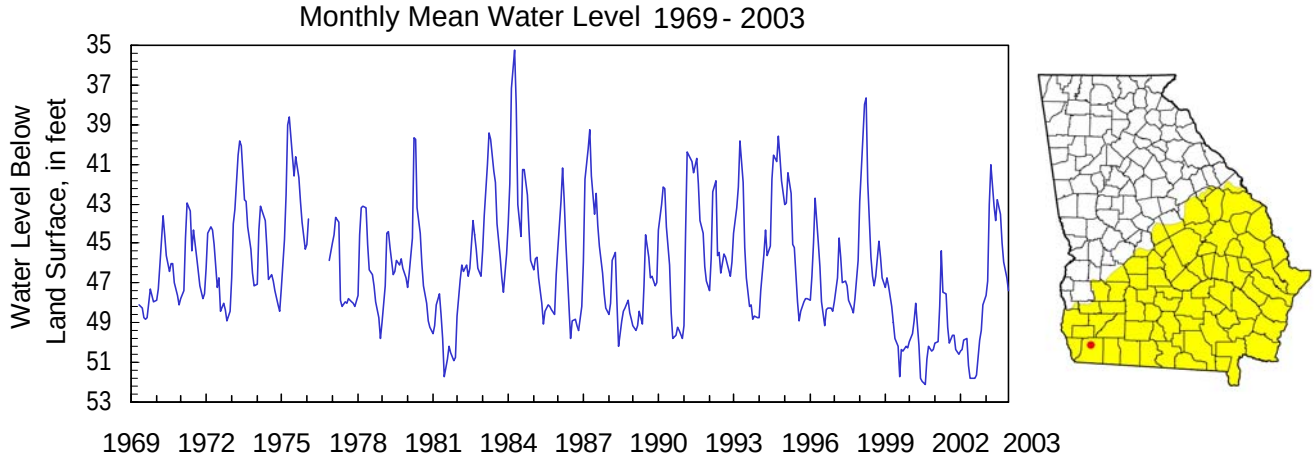
Latitude: 30°57' 42" Longitude: 84°35'46" Decatur County Period of Record: 1969
Well Depth: 251 feet Datum: 128 feet Well Diameter: 16 inches





Monthly Water-Level Statistics

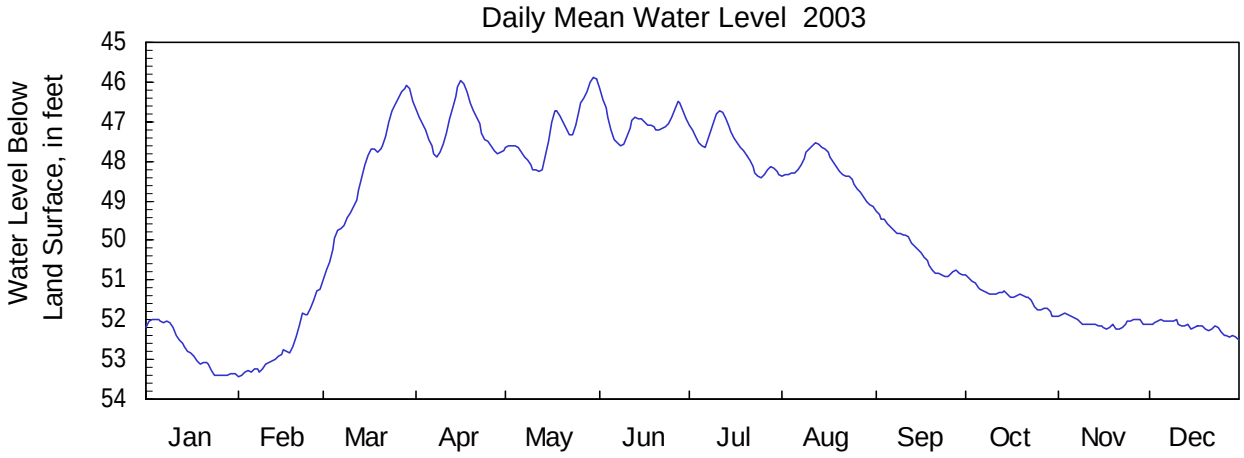
2003												
Max	47.62	46.98	46.27	46.98	48.06	49.10	46.79	47.73	49.11	49.08	47.13	47.67
Mean	47.62	46.85	43.05	41.05	43.12	43.85	42.76	43.49	45.00	45.92	46.76	47.37
Min	46.75	46.47	40.82	40.45	41.06	42.71	42.31	42.37	43.47	45.10	46.30	47.14
1969 - 2003												
Max	50.46	53.41	50.29	53.82	56.82	57.06	57.11	57.31	57.31	53.12	52.81	52.63
Mean	47.10	45.74	44.07	43.24	44.67	46.01	46.42	46.75	46.94	47.11	47.65	47.76
Min	42.24	40.37	35.67	34.86	35.84	37.13	38.91	39.20	39.68	39.25	39.76	41.59

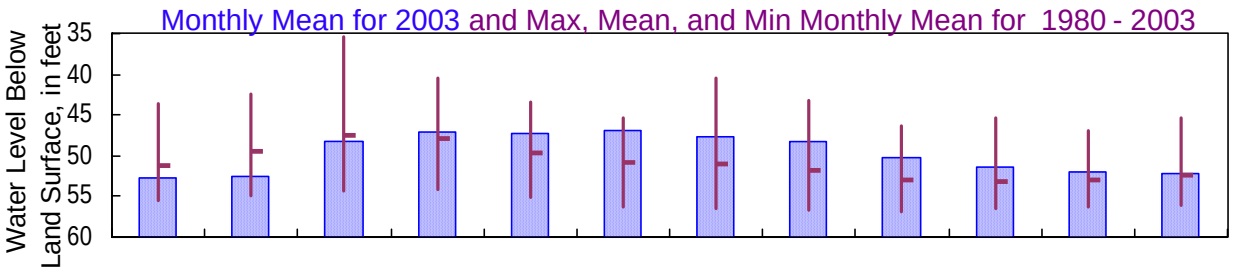


Upper Floridan Aquifer
2003 Calendar Year

310428084310501 **Site Name: 09G001**

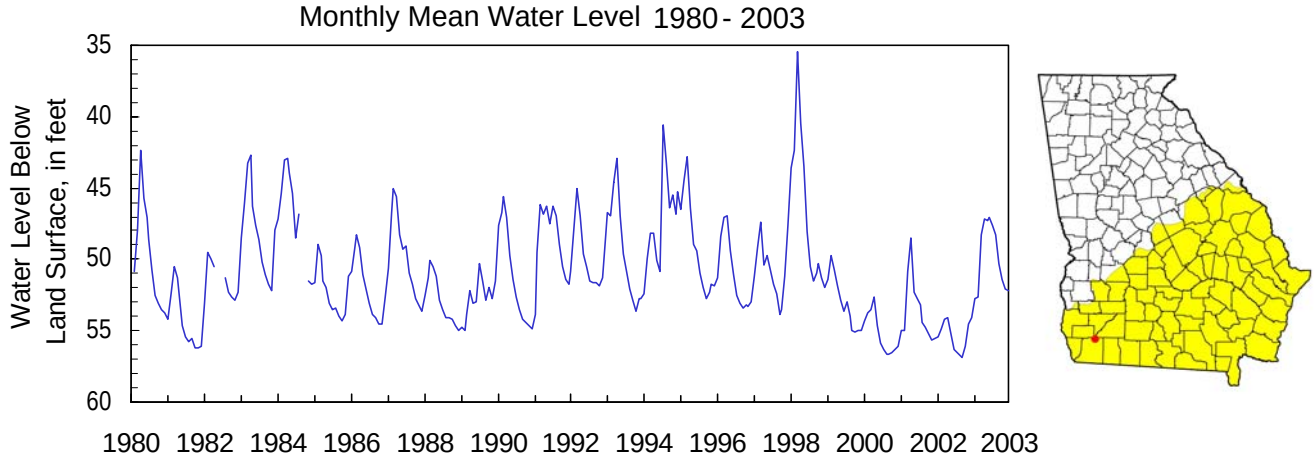
Latitude: 31°04' 28" Longitude: 84°31'05" Decatur County Period of Record: 1980
Well Depth: 455 feet Datum: 145 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

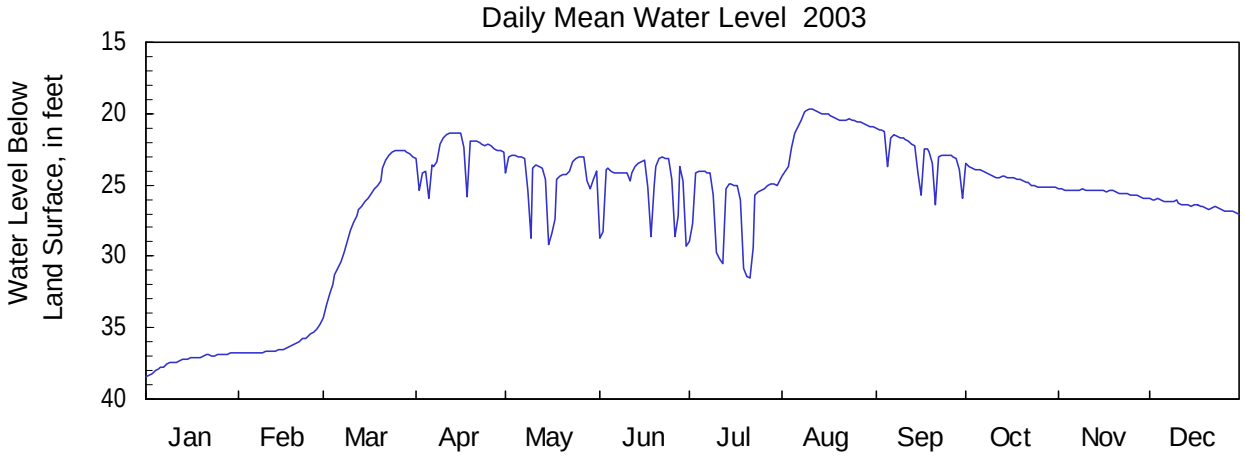
2003												
Max	52.74	53.42	50.99	47.88	48.25	47.63	48.42	49.15	50.90	51.92	52.23	52.51
Mean	52.74	52.67	48.23	47.12	47.26	47.00	47.64	48.23	50.24	51.41	52.07	52.19
Min	51.98	51.22	46.10	45.98	45.89	46.17	46.71	47.54	49.24	50.88	51.85	51.98
1980 - 2003												
Max	55.65	55.37	55.08	54.55	55.79	56.59	56.58	56.96	57.20	56.66	56.68	56.24
Mean	51.24	49.47	47.52	48.05	49.73	50.89	51.08	51.81	52.89	53.08	53.10	52.24
Min	41.03	40.76	27.12	39.06	41.29	44.53	32.71	40.89	44.86	44.80	45.81	42.75

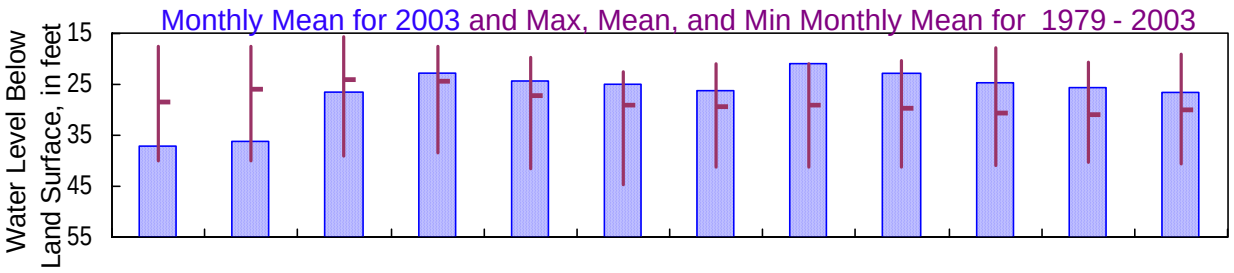


Upper Floridan Aquifer
2003 Calendar Year

312919084153801 **Site Name: 11K003**

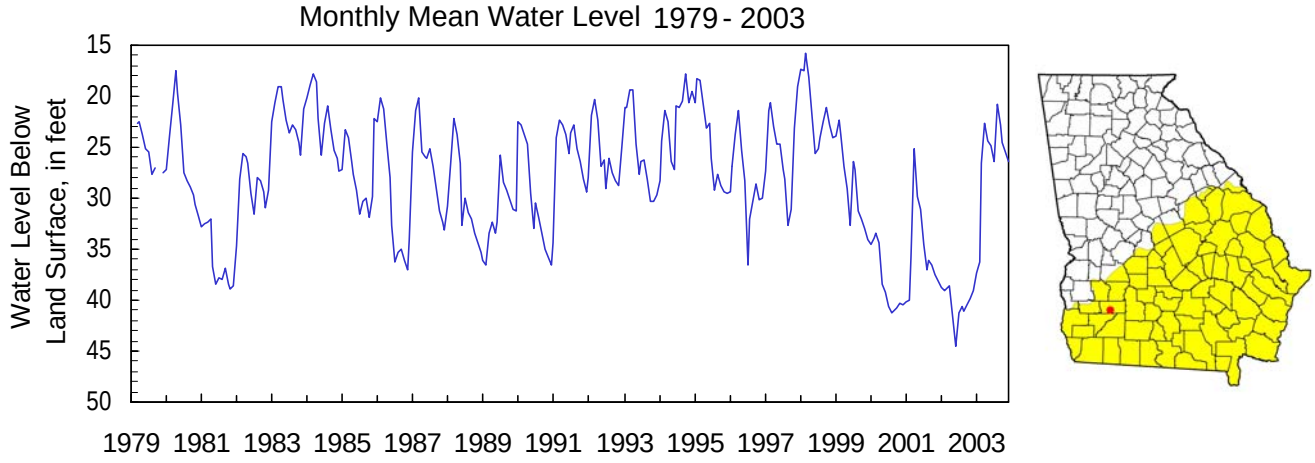
Latitude: 31°29' 14" Longitude: 84° 15 '31" Dougherty County Period of Record: 1979
Well Depth: 150 feet Datum: 194 feet Well Diameter: 4 inches





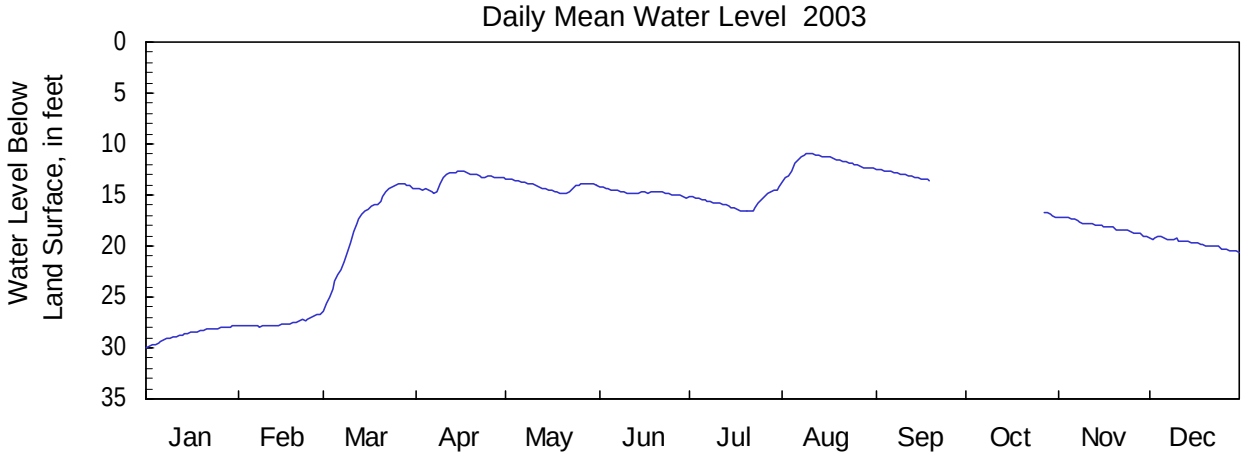
Monthly Water-Level Statistics

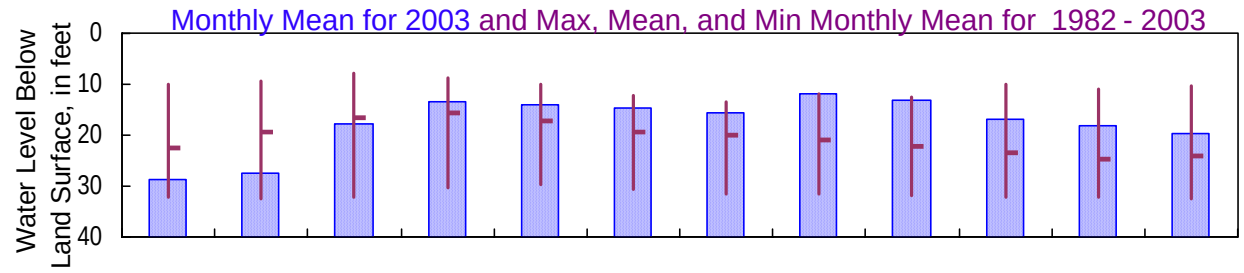
2003												
Max	37.29	36.77	34.33	25.97	29.21	29.27	31.50	24.40	26.42	25.19	25.93	27.00
Mean	37.29	36.28	26.59	22.69	24.41	24.85	26.40	20.78	22.75	24.54	25.49	26.43
Min	36.76	34.79	22.54	21.34	22.91	23.09	24.07	19.72	21.03	23.53	25.24	25.95
1979 - 2003												
Max	40.34	41.46	40.63	42.33	44.88	46.51	45.18	43.99	41.75	41.82	40.45	40.58
Mean	28.73	25.97	24.16	24.34	27.12	29.18	29.40	29.09	29.68	30.62	31.38	30.22
Min	16.94	16.19	13.61	16.17	18.26	19.86	19.73	19.08	20.17	16.74	20.54	16.52



Upper Floridan Aquifer
2003 Calendar Year
312709084161701 Site Name: 11K015

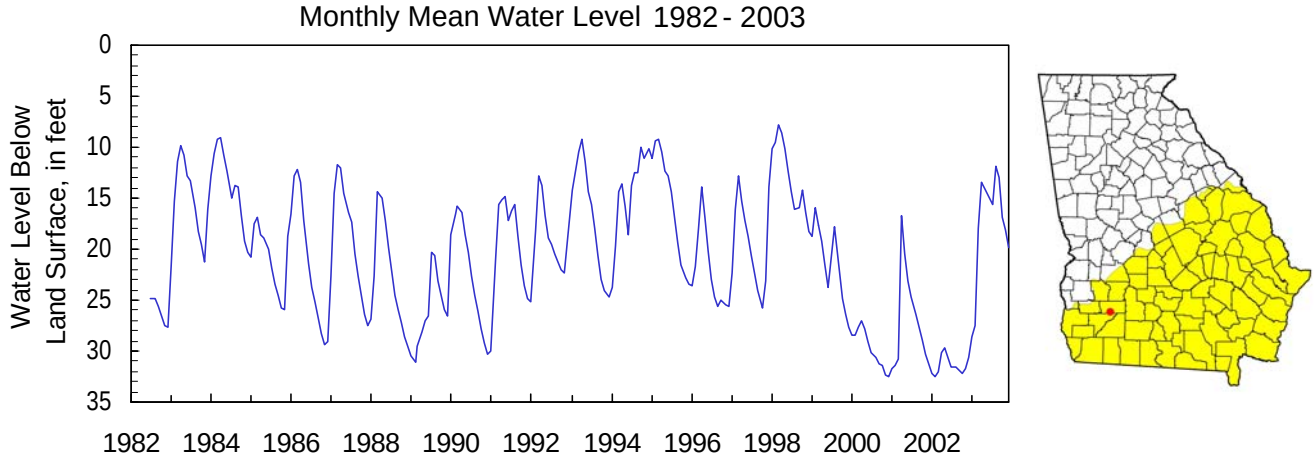
Latitude: 31°27' 09" Longitude: 84°16'17" Dougherty County Period of Record: 1982
Well Depth: 177 feet Datum: 183 feet Well Diameter: 4 inches





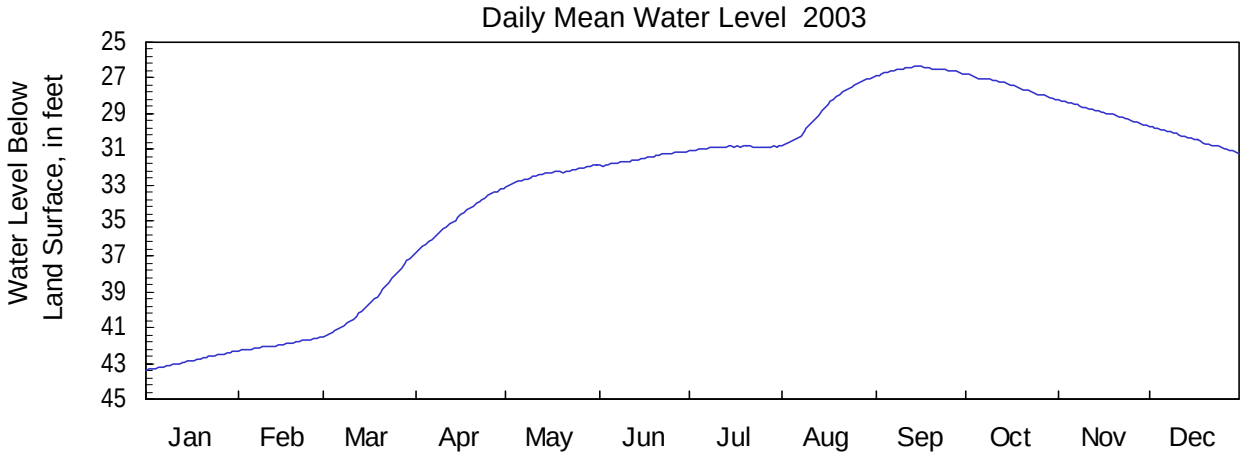
Monthly Water-Level Statistics

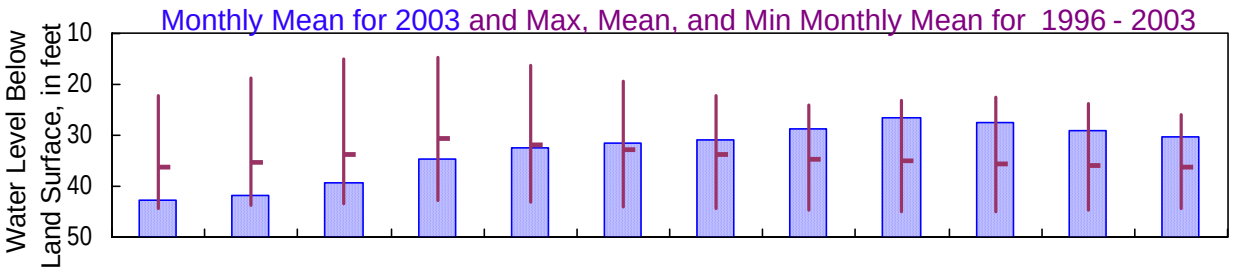
2003												
Max	28.65	27.91	26.37	14.77	14.88	15.26	16.54	13.74	13.62	17.12	19.13	20.69
Mean	28.65	27.56	17.93	13.46	14.12	14.75	15.66	11.80	12.99	16.92	18.05	19.77
Min	27.85	26.65	13.89	12.63	13.37	14.15	14.20	10.99	12.46	16.73	17.12	19.12
1982 - 2003												
Max	32.48	32.70	32.72	31.27	30.01	31.20	31.90	31.78	32.08	32.43	32.43	32.51
Mean	22.41	19.29	16.23	15.74	17.31	19.30	19.85	20.82	22.37	23.68	24.29	24.17
Min	9.81	7.79	6.84	8.08	9.22	11.20	12.40	10.09	12.15	9.28	10.50	9.87



Upper Floridan Aquifer
2003 Calendar Year
312950084131801 Site Name: 12K141

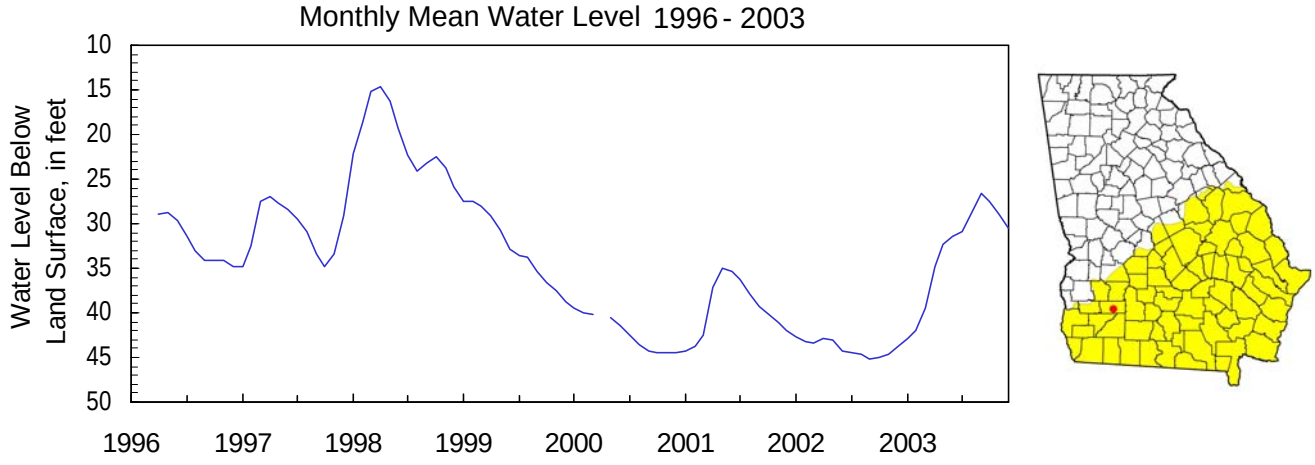
Latitude: 31°29' 50" Longitude: 84° 13 '18" Dougherty County Period of Record: 1996
Well Depth: 200 feet Datum: 194 feet Well Diameter: 4 inches





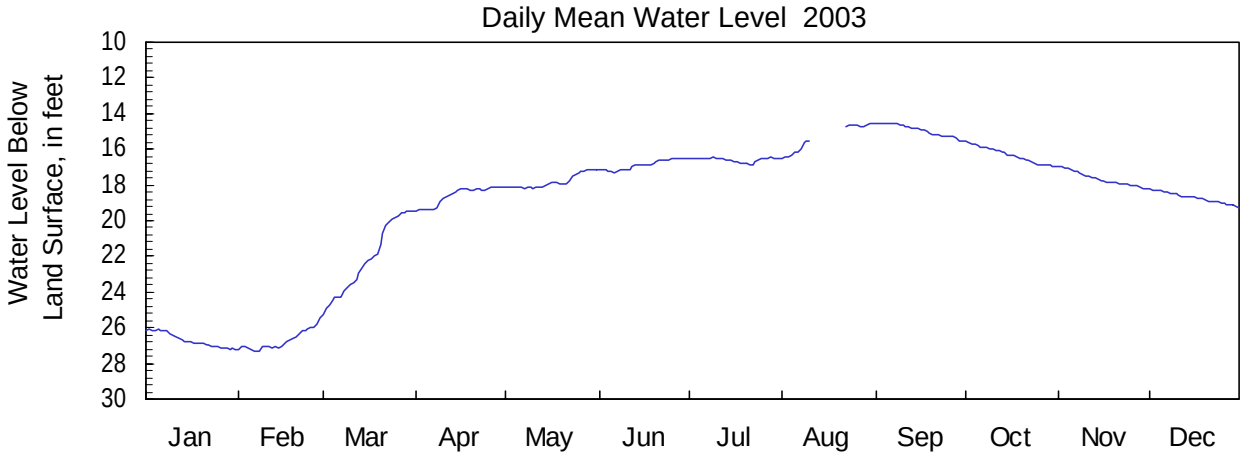
Monthly Water-Level Statistics

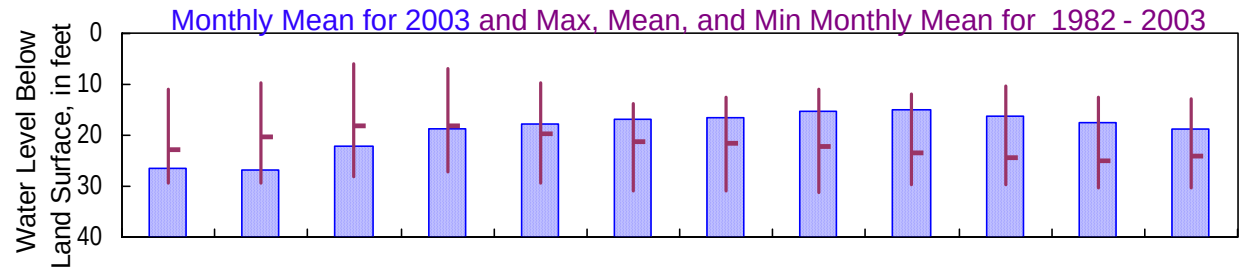
2003												
Max	42.86	42.30	41.48	36.80	33.09	31.93	31.11	30.76	26.91	28.22	29.66	31.23
Mean	42.86	41.94	39.53	34.82	32.39	31.51	30.90	28.72	26.55	27.44	28.92	30.45
Min	42.33	41.54	36.97	33.17	31.88	31.12	30.84	26.97	26.34	26.80	28.26	29.71
1996 - 2003												
Max	44.40	44.17	43.57	43.19	43.72	44.59	44.63	45.04	45.41	45.13	44.87	44.40
Mean	35.76	35.43	32.77	30.79	31.49	32.83	33.86	34.60	35.14	35.63	35.98	36.13
Min	20.11	18.01	13.85	13.99	15.27	17.65	20.99	23.29	22.72	22.14	22.92	24.89



Upper Floridan Aquifer
2003 Calendar Year
313302084120301 Site Name: 12L028

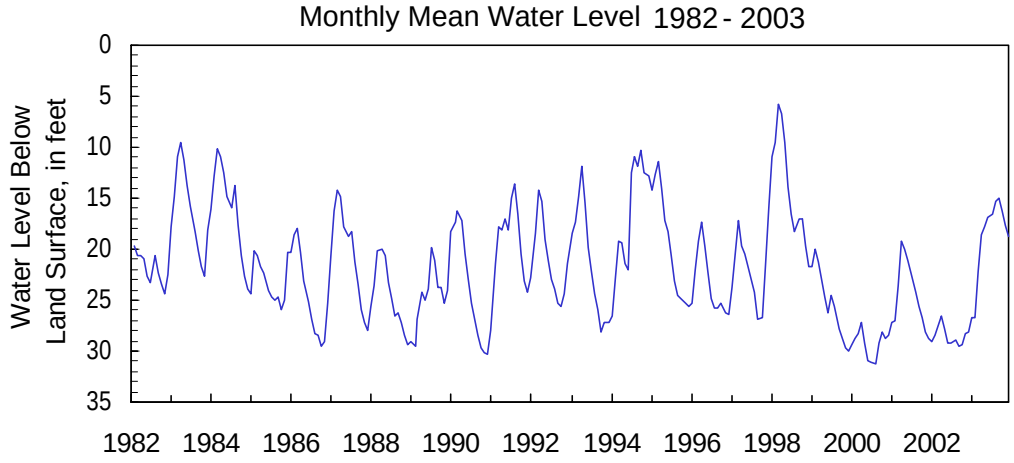
Latitude: 31°33' 02" Longitude: 84° 12 '00" Dougherty County Period of Record: 1982
Well Depth: 100 feet Datum: 189 feet Well Diameter: 10 inches





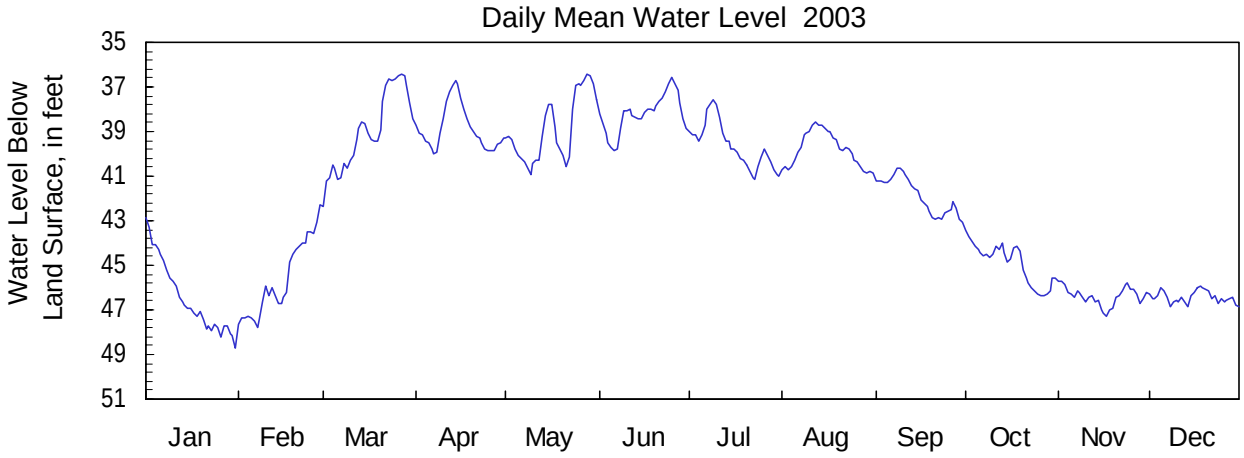
Monthly Water-Level Statistics

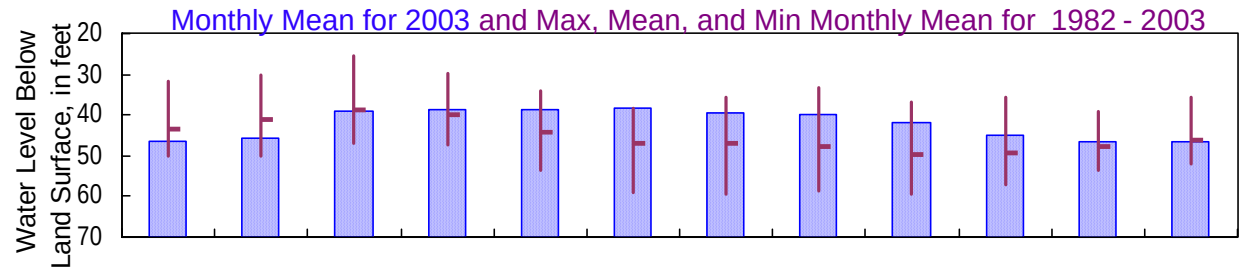
2003												
Max	26.70	27.33	25.27	19.43	18.17	17.33	16.89	16.52	15.56	16.96	18.19	19.27
Mean	26.70	26.74	22.13	18.61	17.81	16.87	16.60	15.37	14.93	16.32	17.66	18.72
Min	26.09	25.46	19.48	18.13	17.11	16.48	16.47	14.55	14.54	15.58	16.97	18.24
1982 - 2003												
Max	30.30	30.30	29.20	28.10	30.38	31.31	31.40	31.94	30.83	30.05	30.38	30.80
Mean	22.56	20.40	18.20	18.01	19.71	21.39	21.66	22.44	23.45	24.34	24.87	24.14
Min	10.63	9.08	4.04	5.69	7.95	11.74	9.12	10.32	10.86	9.61	11.21	11.06



Upper Floridan Aquifer
2003 Calendar Year
313450084091801 Site Name: 12L029

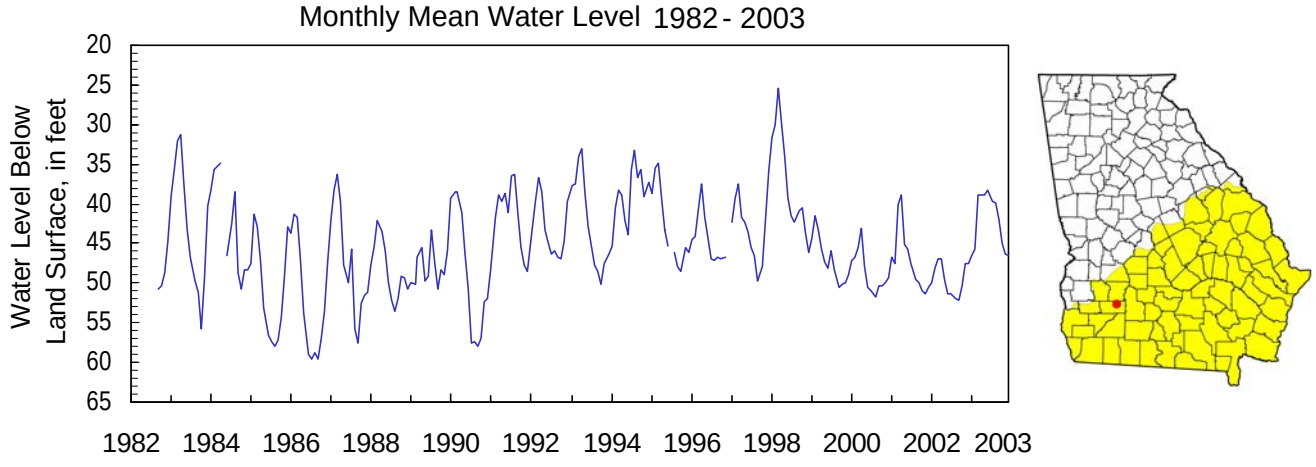
Latitude: 31°34' 50" Longitude: 84°09'18" Dougherty County Period of Record: 1982
Well Depth: 178 feet Datum: 198 feet Well Diameter: 6 inches





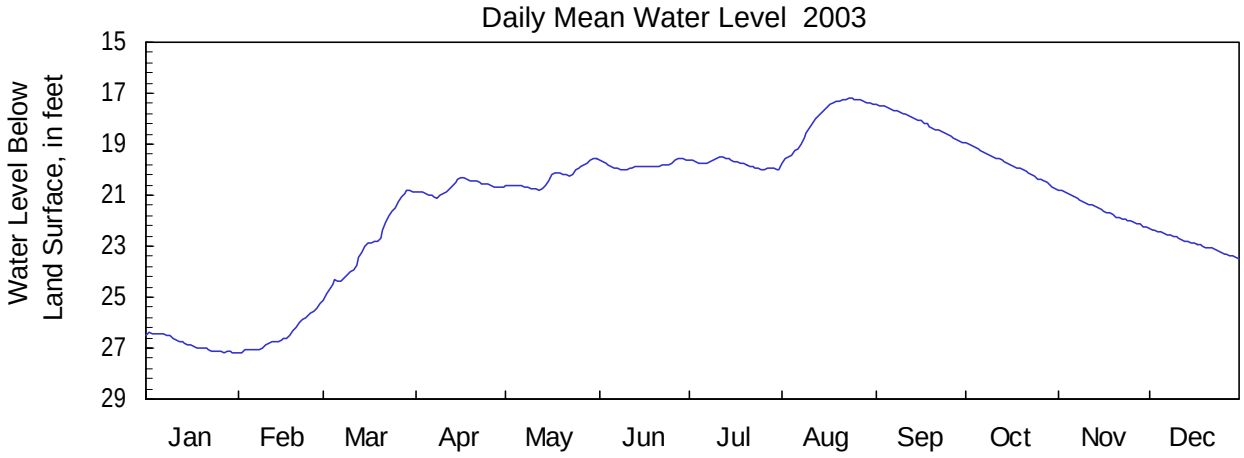
Monthly Water-Level Statistics

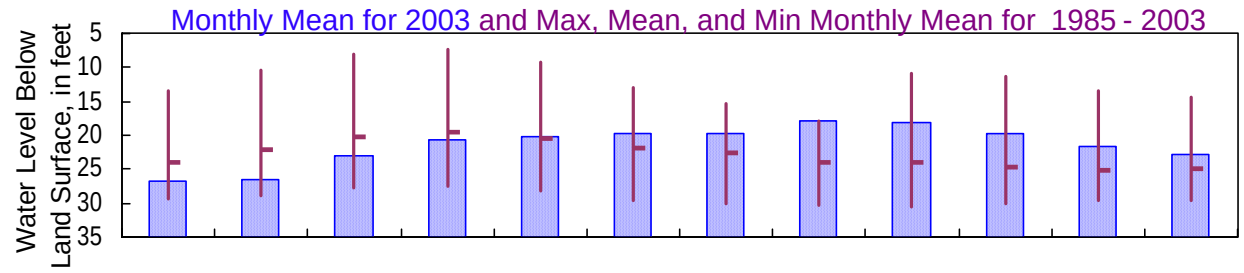
2003												
Max	46.47	47.82	42.38	40.02	40.91	39.84	41.12	40.87	43.08	46.36	47.30	46.87
Mean	46.47	45.67	38.98	38.86	38.89	38.21	39.65	39.79	41.87	44.92	46.38	46.43
Min	42.85	42.25	36.41	36.68	36.45	36.55	37.59	38.56	40.64	43.40	45.69	45.96
1982 - 2003												
Max	51.48	51.35	49.52	52.77	56.47	62.72	64.66	63.99	63.07	63.98	61.44	52.59
Mean	43.72	41.16	38.88	40.13	44.32	46.91	47.53	48.43	49.52	49.36	47.87	45.98
Min	29.18	28.63	20.47	28.03	31.36	36.13	23.04	32.12	34.90	33.60	37.36	28.52



Upper Floridan Aquifer
2003 Calendar Year
313130084101001 Site Name: 12L030

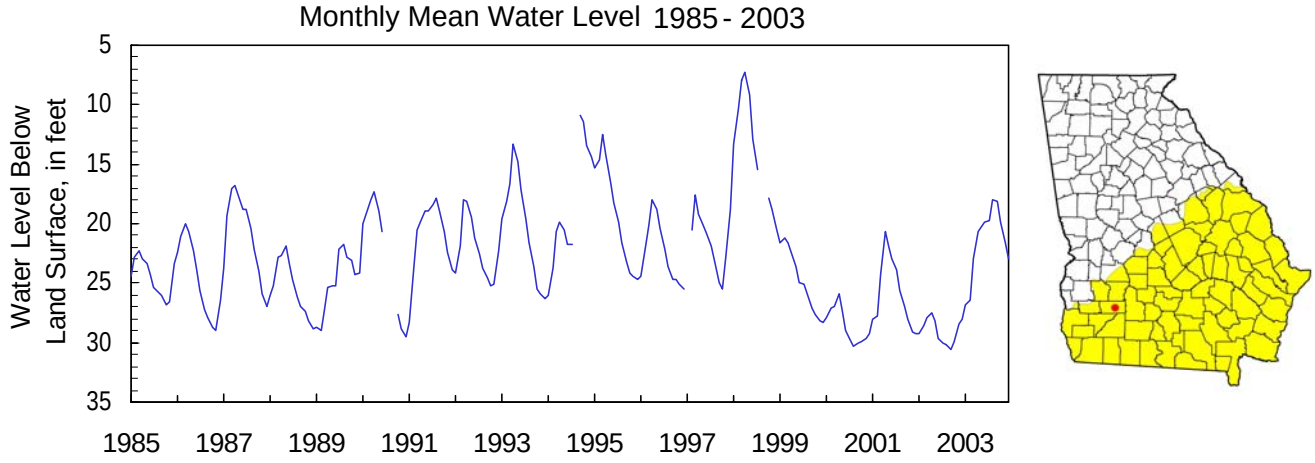
Latitude: 31°31' 30" Longitude: 84° 10 '10" Dougherty County Period of Record: 1985
Well Depth: 180 feet Datum: 179 feet Well Diameter: 4 inches





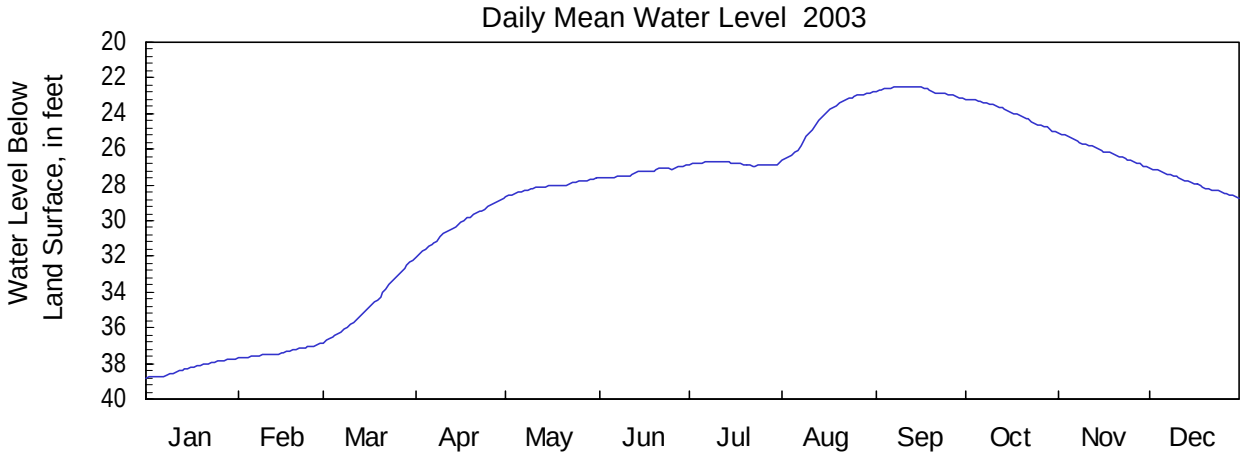
Monthly Water-Level Statistics

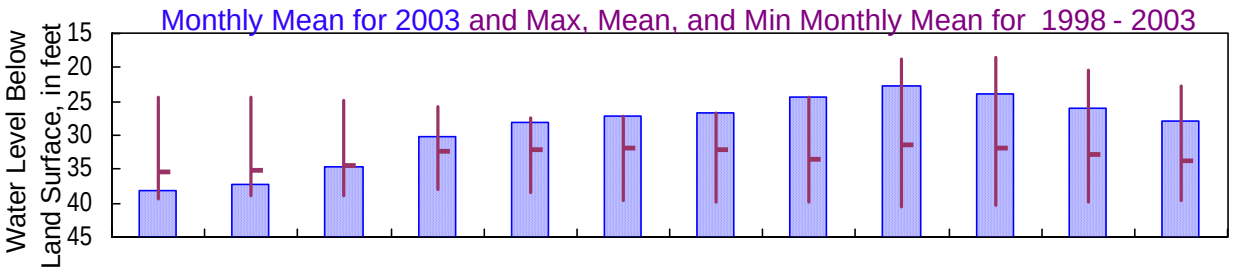
2003												
Max	26.84	27.22	25.10	21.10	20.79	20.01	20.01	19.75	18.93	20.74	22.27	23.50
Mean	26.84	26.50	22.94	20.69	20.31	19.81	19.76	18.00	18.12	19.81	21.56	22.89
Min	26.36	25.25	20.83	20.31	19.58	19.55	19.52	17.21	17.45	18.96	20.78	22.31
1985 - 2003												
Max	29.47	29.27	28.69	27.77	28.94	30.09	30.23	30.62	30.91	30.62	30.21	29.78
Mean	24.00	22.90	20.64	20.05	20.49	21.78	22.85	23.92	24.40	24.80	25.14	24.89
Min	12.75	10.31	2.59	6.89	7.67	11.01	14.69	17.21	9.96	10.78	12.27	14.25



Upper Floridan Aquifer
2003 Calendar Year
313040084125901 Site Name: 12L277

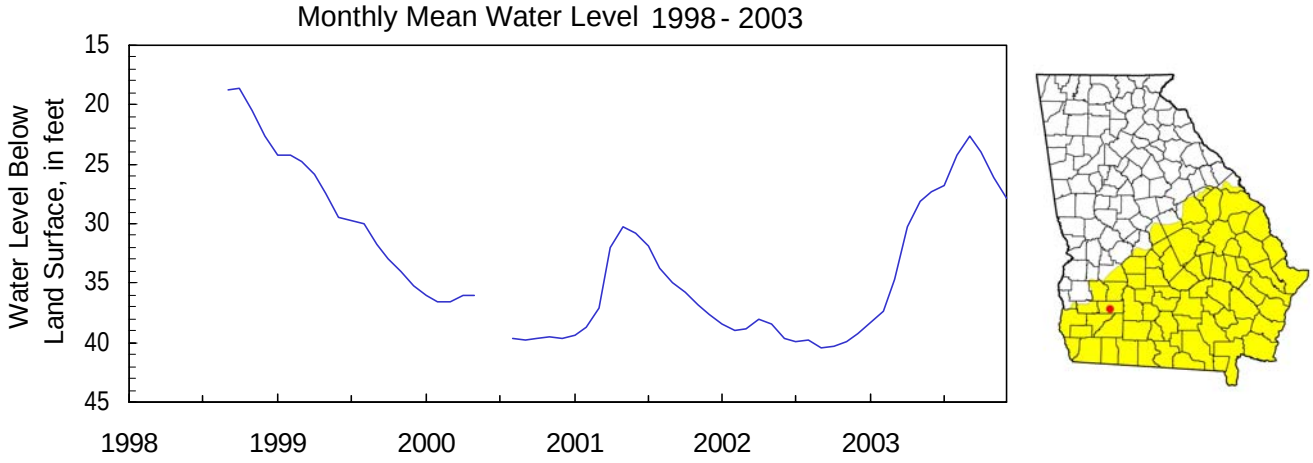
Latitude: 31°30' 38" Longitude: 84° 12 '25" Dougherty County Period of Record: 1998
Well Depth: 203 feet Datum: 185 feet Well Diameter: 4 inches





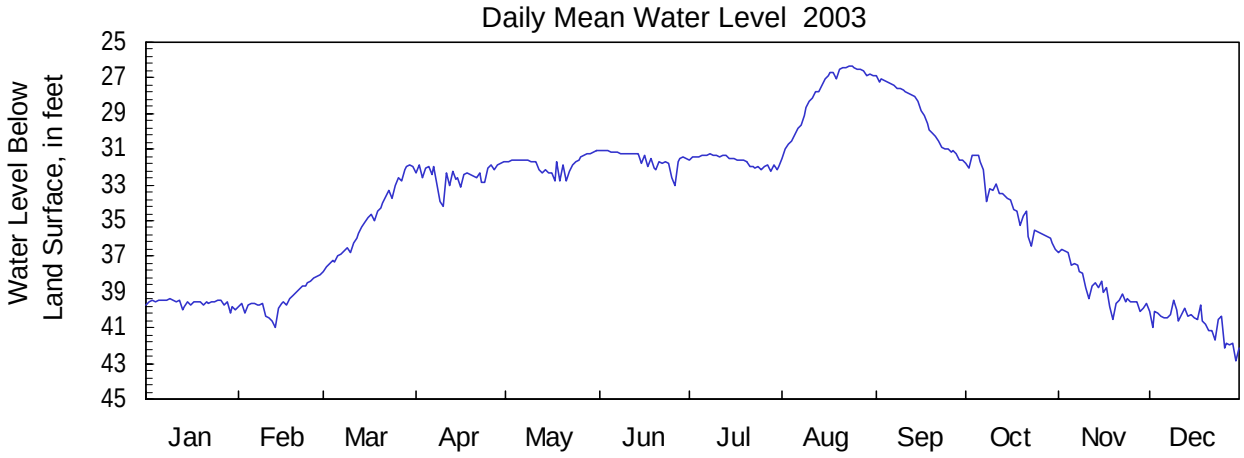
Monthly Water-Level Statistics

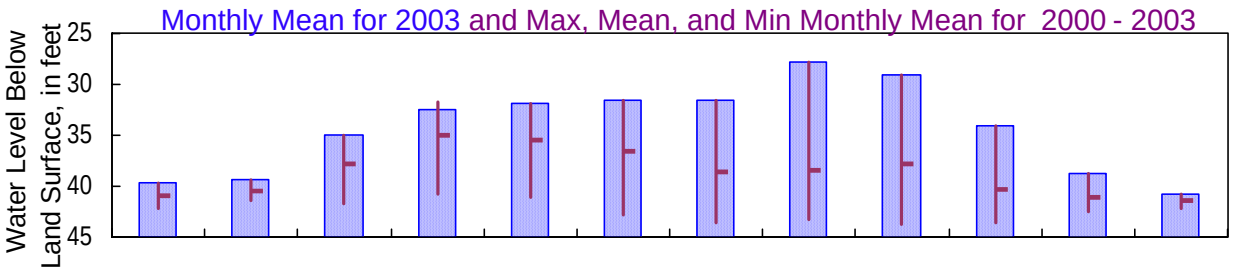
2003												
Max	38.27	37.70	36.83	32.04	28.68	27.63	26.95	26.56	23.17	25.04	26.98	28.72
Mean	38.27	37.38	34.74	30.24	28.09	27.28	26.80	24.29	22.70	23.98	26.05	27.89
Min	37.73	36.91	32.21	28.76	27.62	26.92	26.67	22.77	22.46	23.17	25.09	27.04
1998 - 2003												
Max	39.64	39.09	39.05	38.52	39.26	39.98	40.14	40.30	40.64	40.43	40.26	39.74
Mean	34.40	35.18	34.40	32.41	31.43	31.82	32.04	32.79	33.39	31.88	32.70	33.71
Min	23.69	24.22	24.32	25.21	26.61	26.92	26.67	22.77	18.63	18.24	19.36	21.60



Upper Floridan Aquifer
2003 Calendar Year
313019084104601 Site Name: 12L370

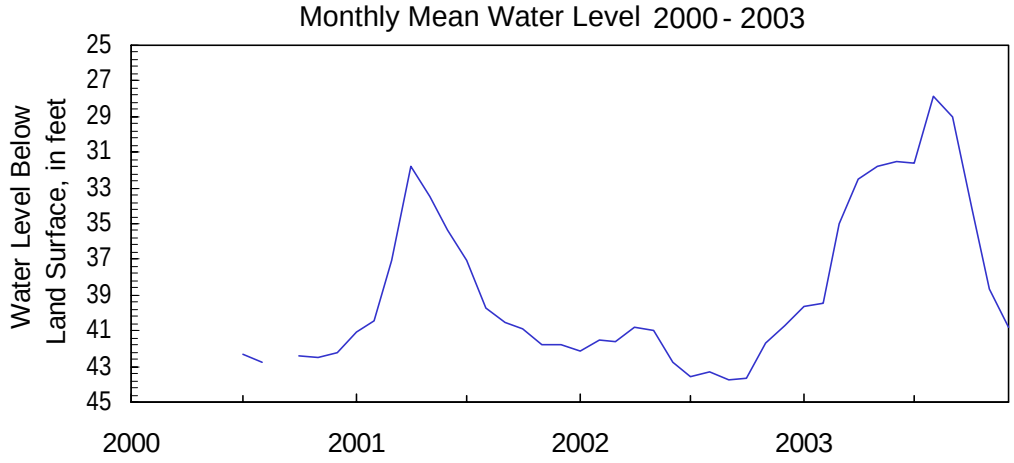
Latitude: 31°30' 19" Longitude: 84° 10 '46" Dougherty County Period of Record: 2000
Well Depth: 172 feet Datum: 190 feet Well Diameter: 2 inches

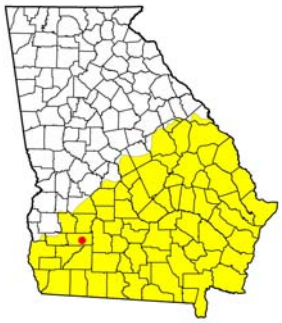




Monthly Water-Level Statistics

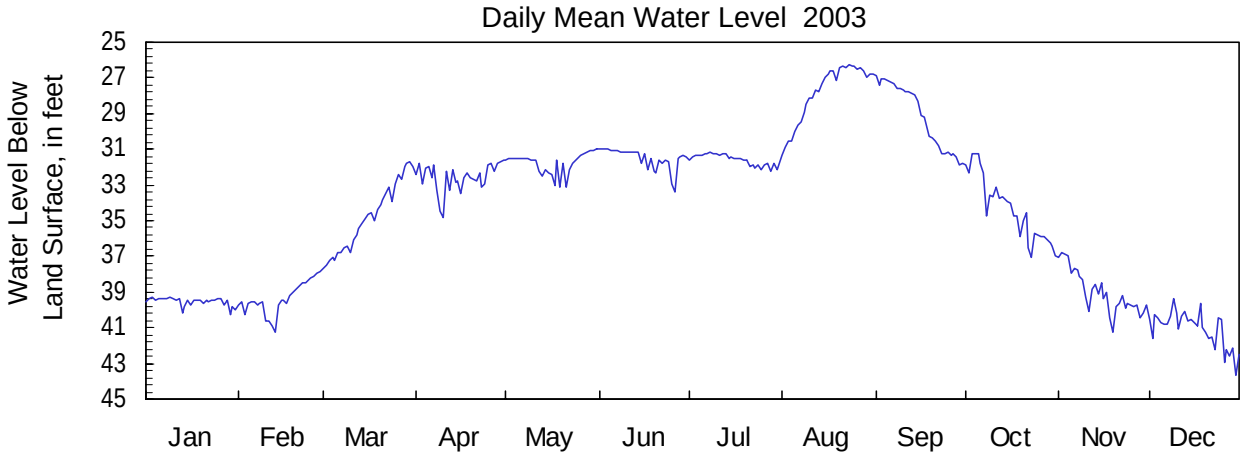
2003												
Max	39.62	40.97	37.83	34.17	32.80	33.06	32.22	31.47	31.62	36.61	40.50	42.88
Mean	39.62	39.42	34.96	32.46	31.82	31.53	31.64	27.85	29.02	34.07	38.69	40.77
Min	39.38	37.99	31.84	31.73	31.08	31.06	31.28	26.35	26.91	31.33	36.63	39.46
2000 - 2003												
Max	43.58	41.97	43.70	43.47	42.02	43.27	45.37	44.10	45.37	46.11	43.42	42.89
Mean	41.19	40.03	37.86	35.02	35.43	36.48	38.32	37.78	36.57	39.67	41.16	41.40
Min	39.38	36.96	31.84	30.59	31.08	31.06	31.28	26.35	26.91	31.33	36.63	39.46

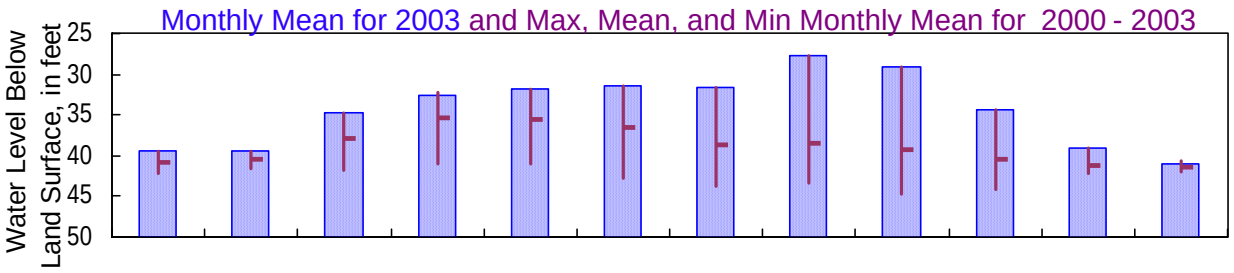




Upper Floridan Aquifer
2003 Calendar Year
313019084104603 Site Name: 12L372

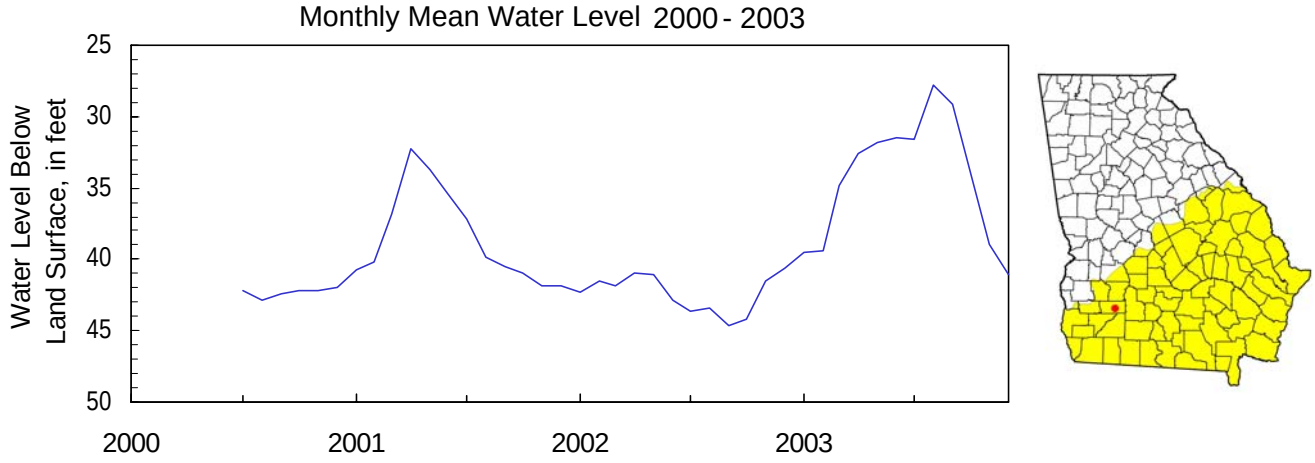
Latitude: 31°30' 19" Longitude: 84° 10 '46" Dougherty County Period of Record: 2000
Well Depth: 58 feet Datum: 190 feet Well Diameter: 2 inches





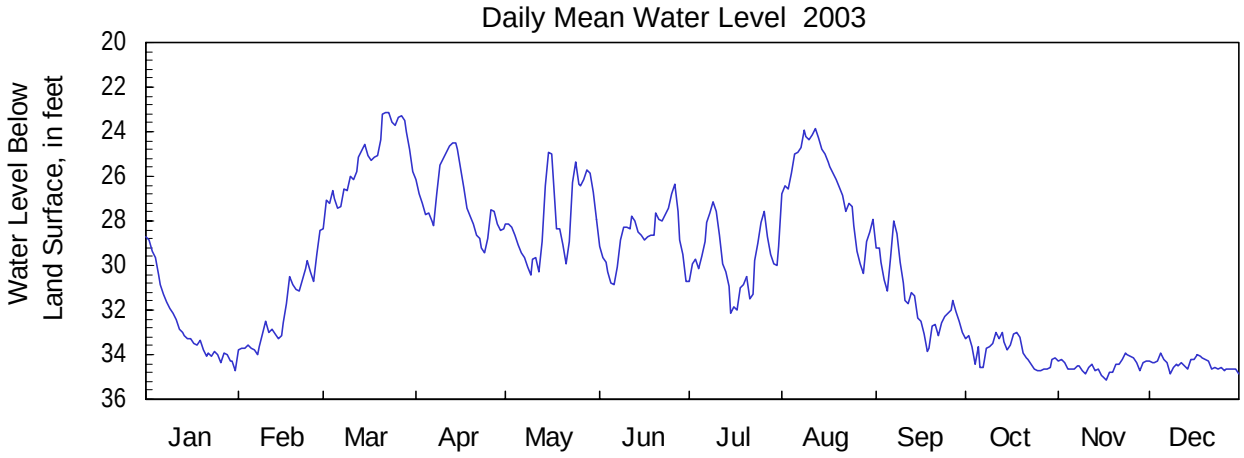
Monthly Water-Level Statistics

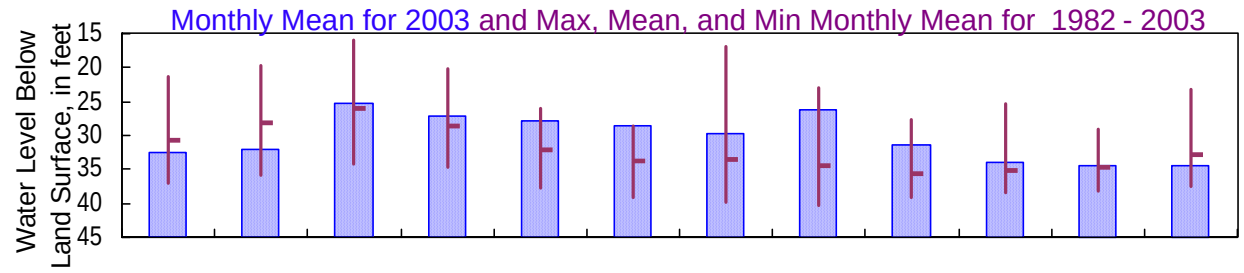
2003												
Max	39.54	41.28	37.68	34.83	33.11	33.44	32.24	31.35	31.87	37.05	41.25	43.66
Mean	39.54	39.36	34.83	32.58	31.78	31.51	31.59	27.78	29.14	34.32	39.00	41.08
Min	39.26	37.84	31.72	31.63	30.96	30.96	31.19	26.29	26.88	31.27	36.79	39.34
2000 - 2003												
Max	44.31	42.25	45.82	44.87	42.11	43.44	46.01	44.29	47.85	47.72	43.77	43.66
Mean	41.19	39.99	37.83	35.26	35.51	36.58	38.36	38.48	39.19	40.34	41.15	41.40
Min	39.26	37.00	31.72	30.61	30.96	30.96	31.19	26.29	26.88	31.27	36.79	39.34



Upper Floridan Aquifer
2003 Calendar Year
312704084071601 Site Name: 13K014

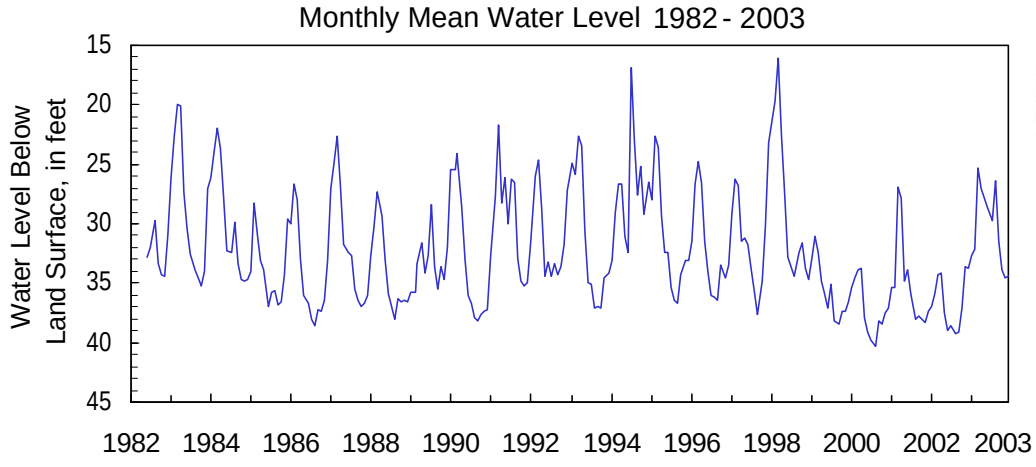
Latitude: 31°27' 04" Longitude: 84°07'16" Dougherty County Period of Record: 1982
Well Depth: 131 feet Datum: 182 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

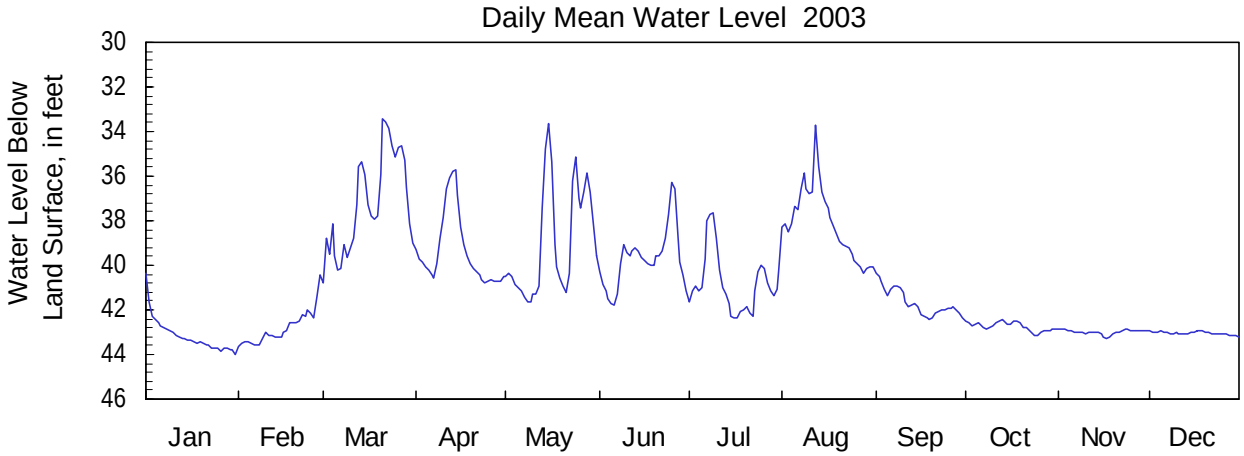
2003												
Max	32.66	33.97	28.39	29.46	30.46	30.82	32.11	30.33	33.88	34.71	35.17	34.89
Mean	32.66	32.08	25.27	27.10	27.92	28.69	29.73	26.34	31.50	33.89	34.51	34.43
Min	28.68	28.45	23.16	24.47	24.94	26.34	27.13	23.88	28.02	32.97	33.95	33.94
1982 - 2003												
Max	37.66	37.07	36.62	37.28	39.80	40.79	41.17	41.40	40.87	40.04	39.02	37.89
Mean	30.78	28.13	26.23	28.67	32.30	33.90	33.61	34.45	35.54	35.13	34.66	32.89
Min	15.38	15.84	7.00	16.37	22.71	26.34	5.11	21.85	26.39	23.01	25.24	14.19

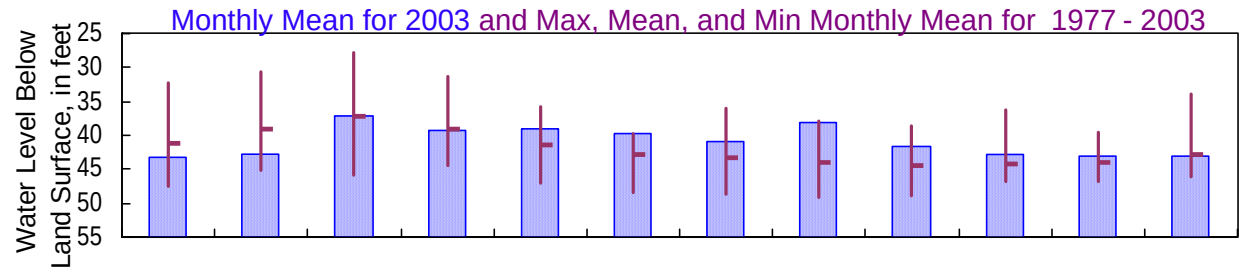


Upper Floridan Aquifer
2003 Calendar Year

313105084064302 **Site Name: 13L012**

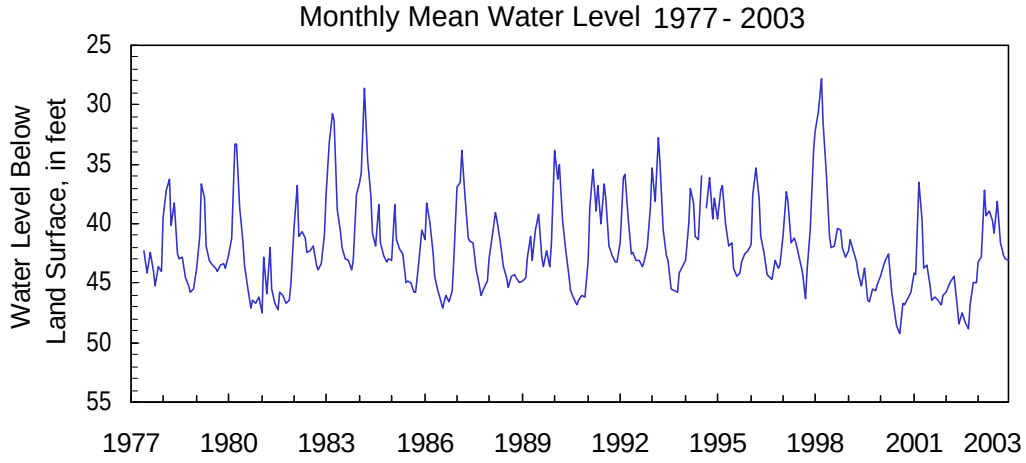
Latitude: 31°31' 05" Longitude: 84°06'43" Dougherty County Period of Record: 1977
Well Depth: 218 feet Datum: 194 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

2003												
Max	43.17	43.63	40.79	40.79	41.64	41.78	42.36	40.35	42.43	43.14	43.28	43.24
Mean	43.17	42.83	37.22	39.36	38.99	39.72	40.82	38.13	41.67	42.73	42.98	43.04
Min	40.38	40.45	33.45	35.71	33.61	36.28	37.62	33.73	40.35	42.44	42.85	42.92
1977 - 2003												
Max	47.73	47.59	46.45	46.04	48.85	49.82	49.89	50.21	50.91	47.86	47.70	47.46
Mean	41.44	39.31	37.27	39.09	41.44	42.91	43.44	43.90	44.48	44.29	44.01	42.93
Min	24.48	25.00	17.60	24.80	28.20	33.89	23.95	32.43	37.05	29.25	33.84	23.76

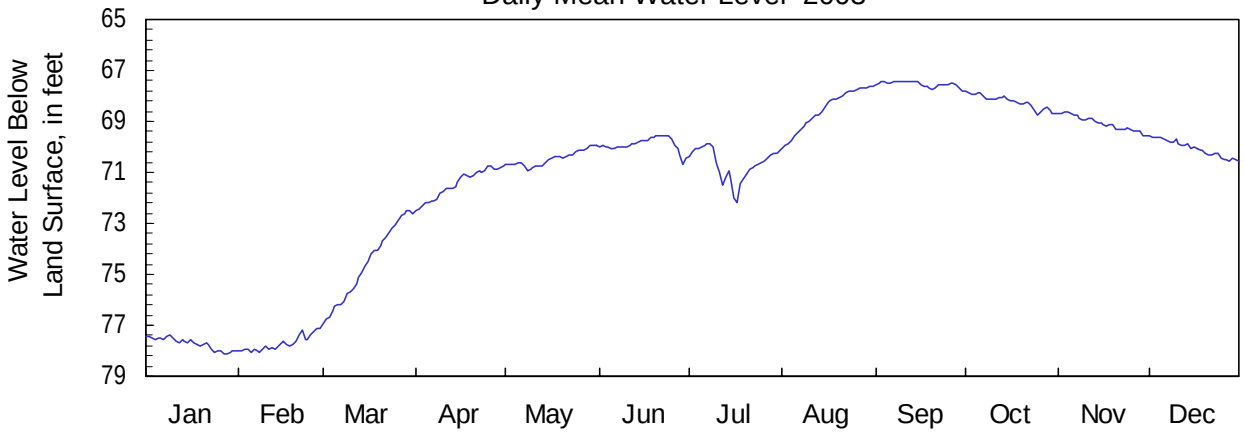


Upper Floridan Aquifer
2003 Calendar Year

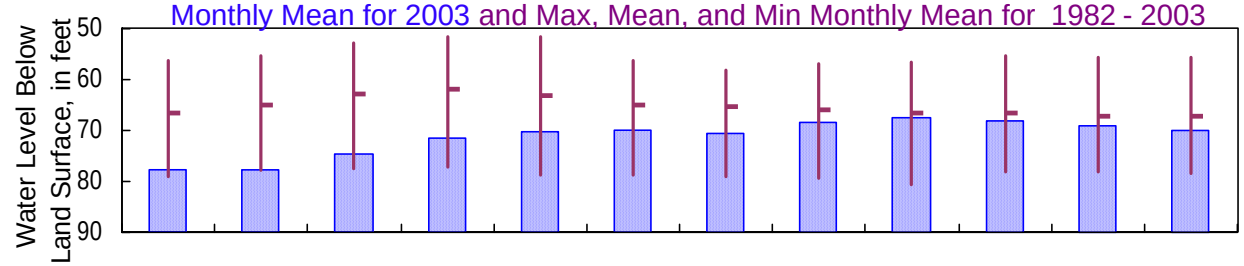
313031084005901 **Site Name: 13L048**

Latitude: 31°30'31" Longitude: 84°00'59" Dougherty County Period of Record: 1982
Well Depth: 345 feet Datum: 244 feet Well Diameter: 4 inches

Daily Mean Water Level 2003



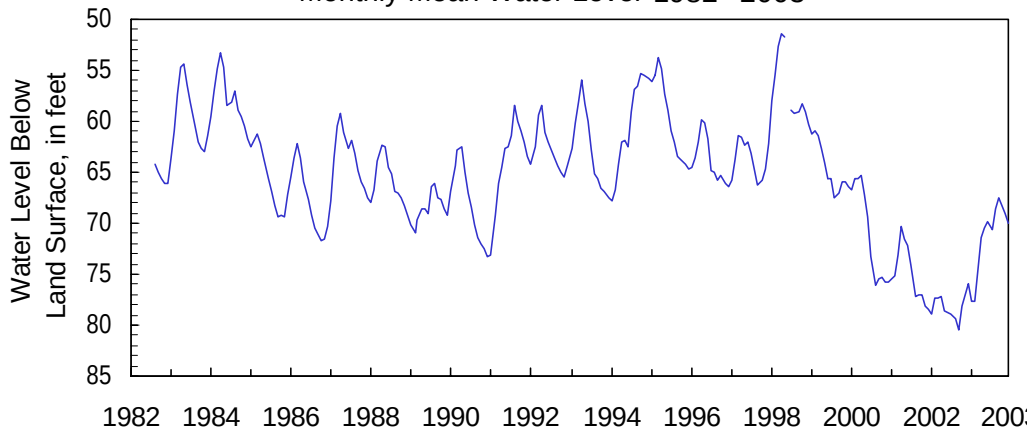
Monthly Mean for 2003 and Max, Mean, and Min Monthly Mean for 1982 - 2003



Monthly Water-Level Statistics

2003												
Max	77.71	78.05	76.95	72.52	70.94	70.68	72.16	70.08	67.80	68.76	69.58	70.57
Mean	77.71	77.71	74.58	71.45	70.46	69.90	70.67	68.54	67.53	68.23	69.07	70.06
Min	77.35	77.10	72.50	70.72	69.92	69.56	69.86	67.59	67.41	67.82	68.63	69.58
1982 - 2003												
Max	79.20	78.05	77.68	77.36	79.61	80.19	82.22	82.14	83.42	79.17	78.29	78.82
Mean	66.37	64.34	62.60	61.56	63.03	64.97	65.52	66.08	66.68	66.72	67.11	67.23
Min	55.79	53.97	51.50	51.10	51.36	55.54	56.04	56.21	56.39	54.85	54.92	55.40

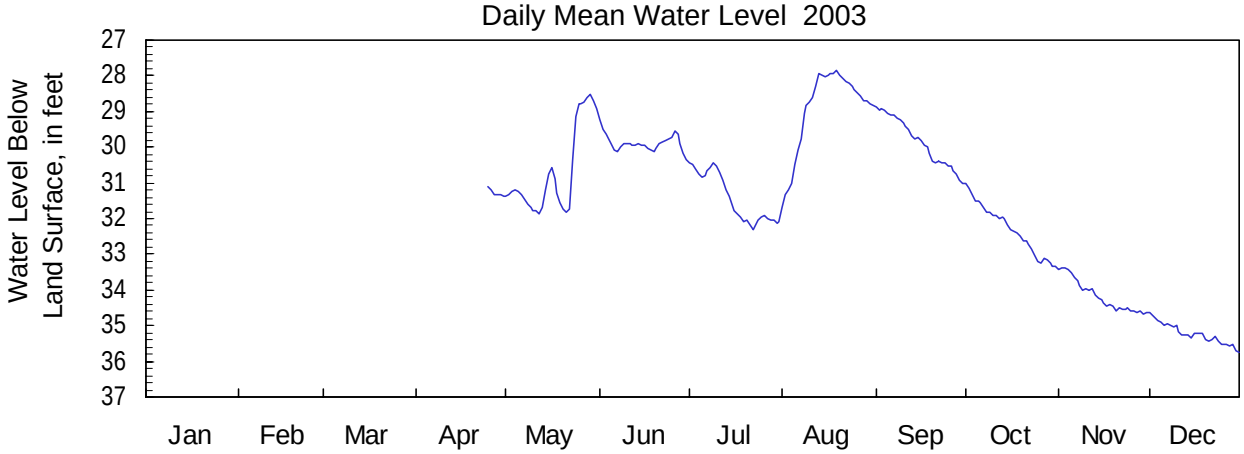
Monthly Mean Water Level 1982 - 2003



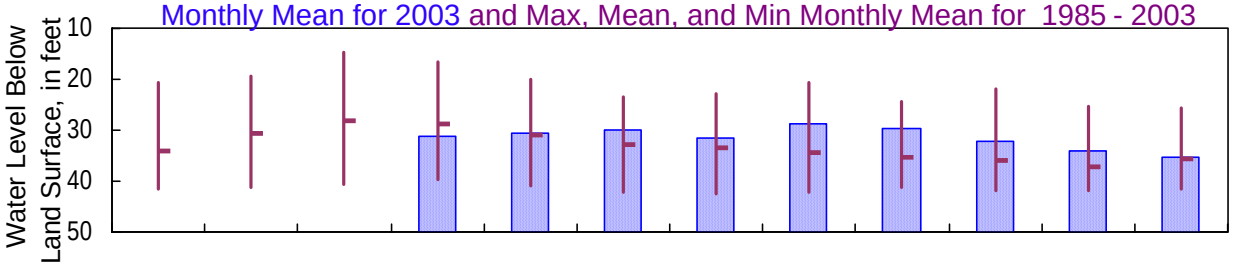
Upper Floridan Aquifer
2003 Calendar Year
313521084051001 Site Name: 13L049

Latitude: 31°35'21" Longitude: 84°05'10" Dougherty County Period of Record: 1985
Well Depth: 170 feet Datum: 203 feet Well Diameter: 4 inches

Daily Mean Water Level 2003



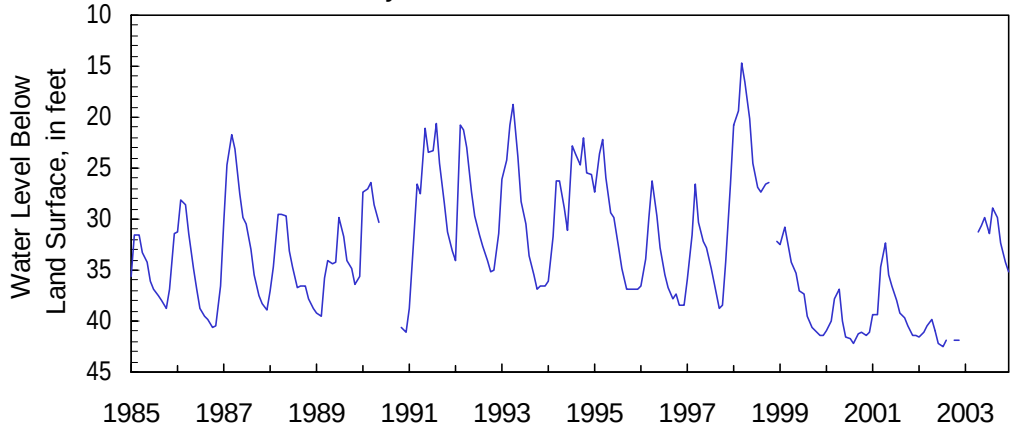
Monthly Mean for 2003 and Max, Mean, and Min Monthly Mean for 1985 - 2003



Monthly Water-Level Statistics

2003												
Max				31.37	31.85	30.34	32.30	31.69	31.04	33.34	34.67	35.73
Mean				31.28	30.70	29.88	31.44	28.90	29.84	32.31	34.17	35.23
Min				31.12	28.53	29.22	30.42	27.86	28.87	31.02	33.38	34.63
1985 - 2003												
Max	41.75	41.59	41.59	40.41	41.48	42.66	43.35	42.78	42.74	42.11	42.05	41.67
Mean	33.99	31.33	28.20	28.83	31.08	32.70	33.61	34.14	35.35	35.76	36.89	35.72
Min	19.98	17.98	12.54	15.20	18.39	21.65	18.45	18.84	22.36	20.65	23.44	19.94

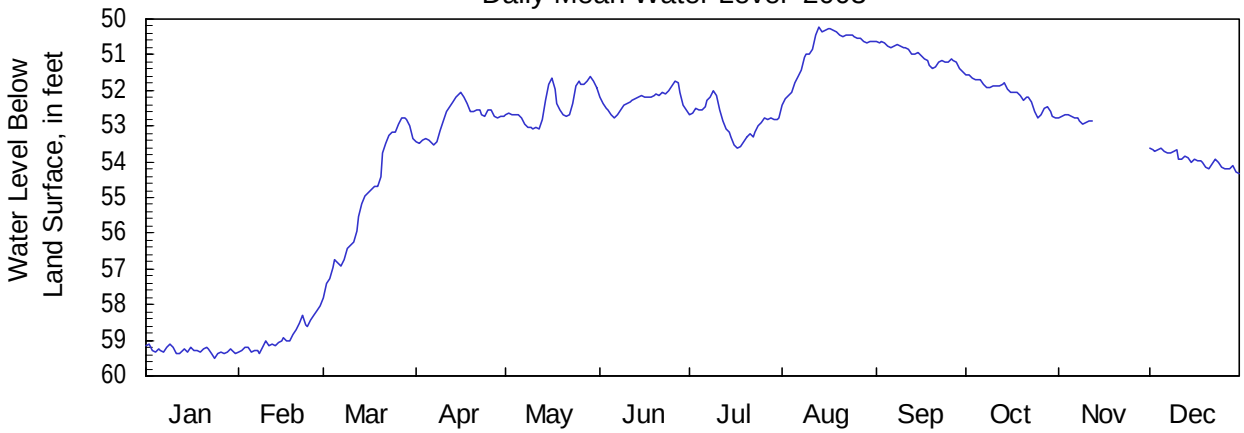
Monthly Mean Water Level 1985 - 2003



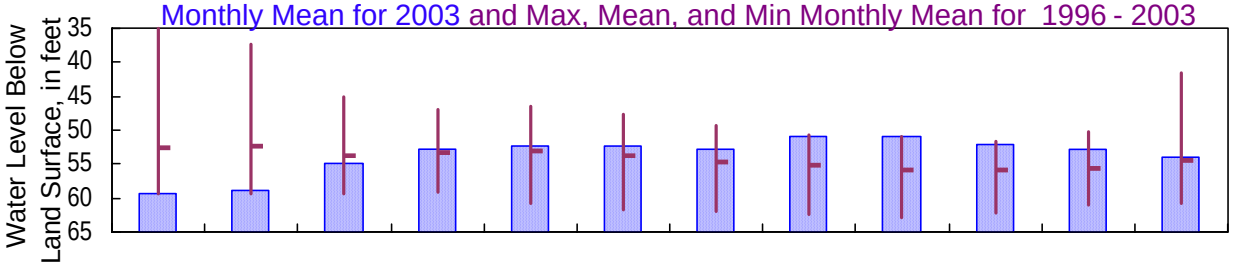
Upper Floridan Aquifer
2003 Calendar Year
313247084005001 Site Name: 13L180

Latitude: 31°32'47" Longitude: 84°00'50" Dougherty County Period of Record: 1996
Well Depth: 310 feet Datum: 230 feet Well Diameter: 6 inches

Daily Mean Water Level 2003



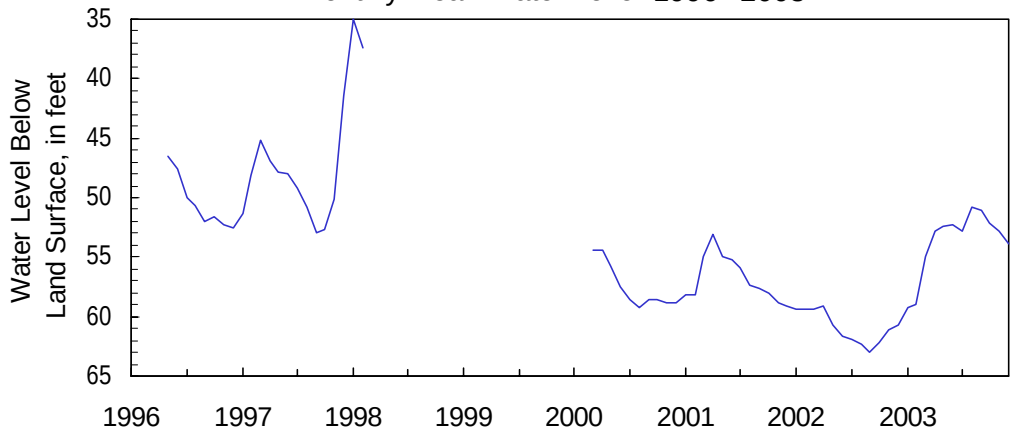
Monthly Mean for 2003 and Max, Mean, and Min Monthly Mean for 1996 - 2003



Monthly Water-Level Statistics

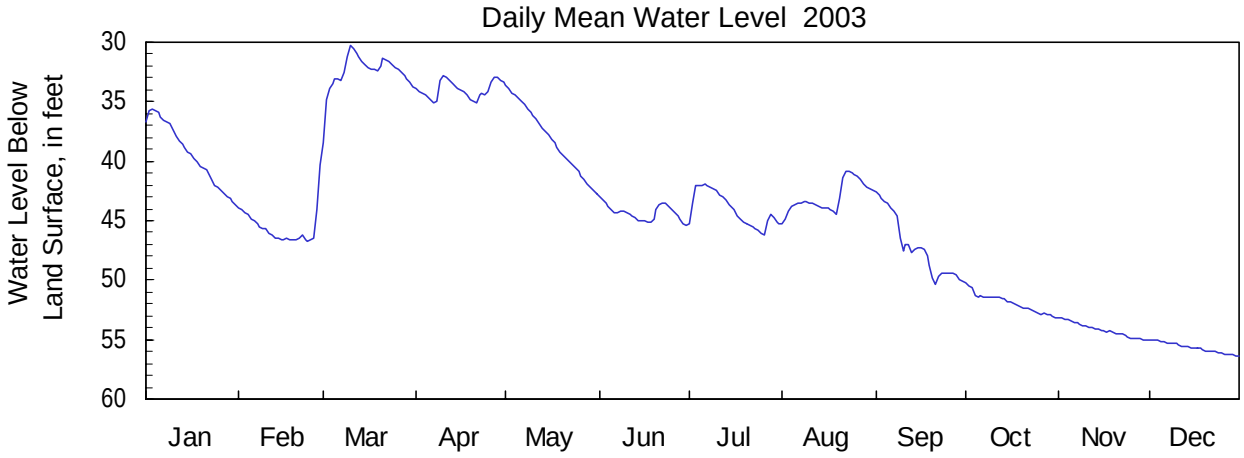
2003												
Max	59.28	59.40	57.83	53.51	53.07	52.76	53.62	52.43	51.49	52.79	52.95	54.32
Mean	59.28	58.91	55.01	52.78	52.40	52.26	52.87	50.85	51.01	52.10	52.80	53.94
Min	59.09	58.04	52.77	52.07	51.61	51.73	52.00	50.21	50.62	51.56	52.67	53.61
1996 - 2003												
Max	59.51	59.84	59.86	59.70	61.74	62.39	63.51	63.60	64.29	62.56	62.03	61.15
Mean	52.65	53.42	53.67	53.27	53.96	53.40	54.75	55.41	55.98	55.90	55.99	54.44
Min	32.89	36.57	44.38	46.16	46.52	46.79	48.29	49.64	50.62	51.33	48.19	20.85

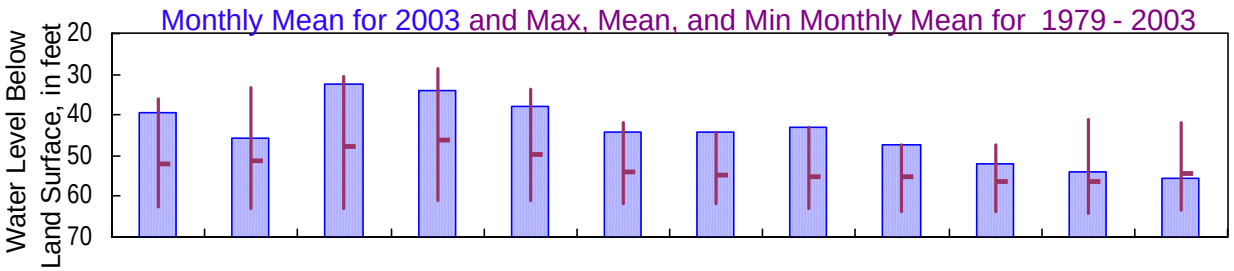
Monthly Mean Water Level 1996 - 2003



Upper Floridan Aquifer
2003 Calendar Year
310427084591101 **Site Name: 06G006**

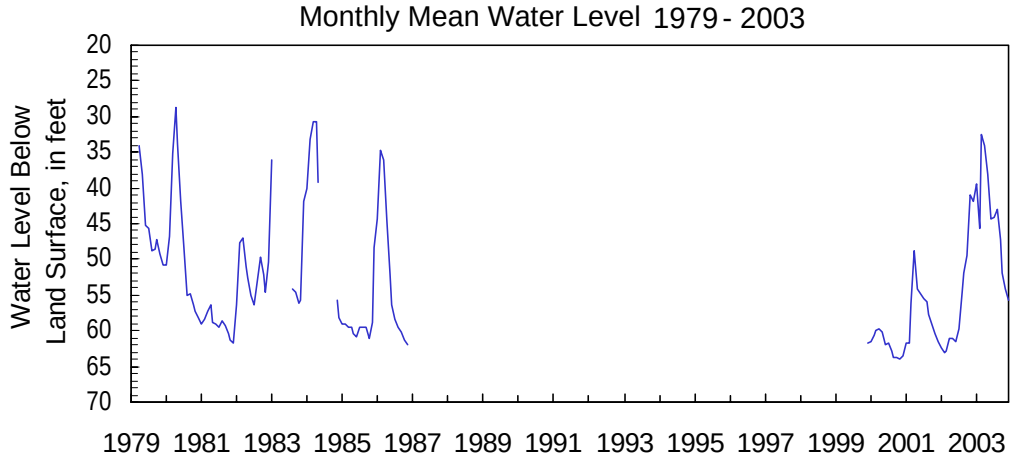
Latitude: 31°04' 27" Longitude: 84°59'11" Early County Period of Record: 1979
Well Depth: 123 feet Datum: 152 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

2003												
Max	39.43	46.71	38.50	35.15	42.68	45.40	46.22	45.25	50.32	53.13	55.02	56.39
Mean	39.43	45.62	32.50	34.01	38.14	44.33	44.06	43.05	47.21	51.91	54.17	55.70
Min	35.66	40.38	30.25	32.88	33.59	43.01	41.90	40.80	42.61	50.20	53.19	55.04
1979 - 2003												
Max	62.82	63.32	63.32	62.73	62.11	62.28	62.48	63.43	63.78	63.88	64.14	64.05
Mean	53.35	51.07	47.74	47.26	49.11	54.08	54.85	55.06	55.20	56.26	56.14	54.51
Min	32.43	29.36	25.91	23.43	31.30	36.45	40.89	40.80	42.61	44.00	35.21	35.08

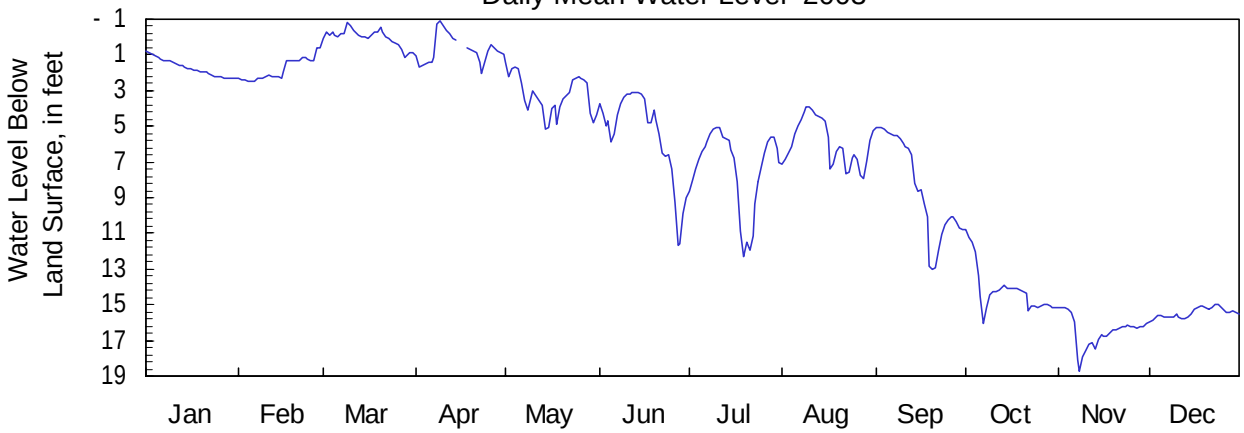


Upper Floridan Aquifer
2003 Calendar Year

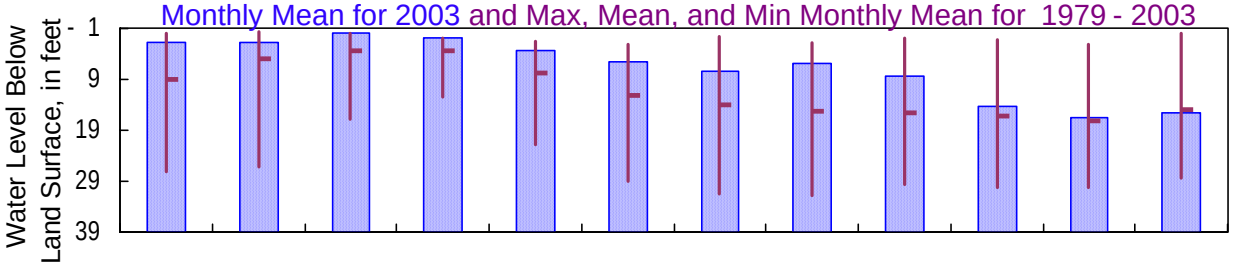
312232084391701 **Site Name: 08K001**

Latitude: 31°22'38" Longitude: 84°39'17" Early County Period of Record: 1979
Well Depth: 125 feet Datum: 230 feet Well Diameter: 4 inches

Daily Mean Water Level 2003



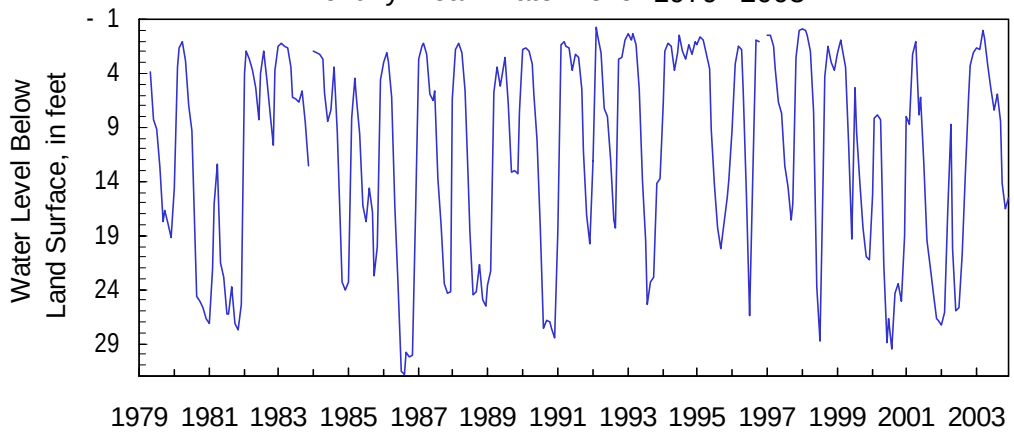
Monthly Mean for 2003 and Max, Mean, and Min Monthly Mean for 1979 - 2003



Monthly Water-Level Statistics

2003												
Max	1.72	2.51	1.19	2.03	5.18	11.72	12.31	7.91	13.04	16.10	18.77	15.93
Mean	1.72	1.81	0.03	0.72	3.24	5.52	7.34	5.93	8.41	14.20	16.51	15.46
Min	0.79	0.62	-0.83	-0.89	1.38	3.13	5.03	3.89	5.04	10.77	15.19	14.98
1979 - 2003												
Max	28.69	27.34	26.02	16.75	30.74	32.85	37.10	34.00	30.54	31.93	30.79	29.35
Mean	9.50	5.55	3.28	3.52	8.01	12.34	13.46	15.83	16.47	16.57	17.12	14.98
Min	-0.97	-2.46	-1.16	-0.89	0.69	-0.14	-2.14	0.36	0.12	0.07	-0.23	-0.92

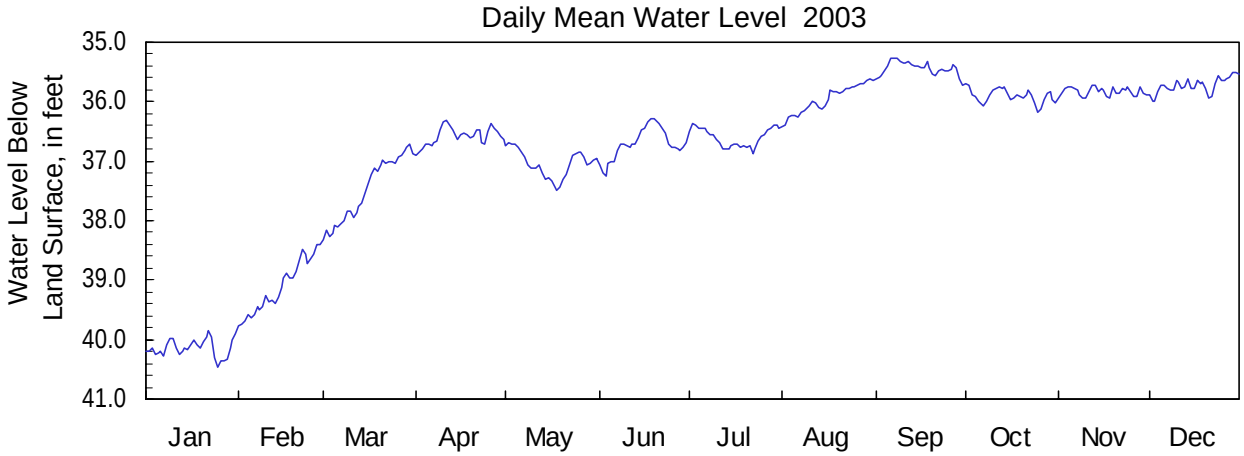
Monthly Mean Water Level 1979 - 2003

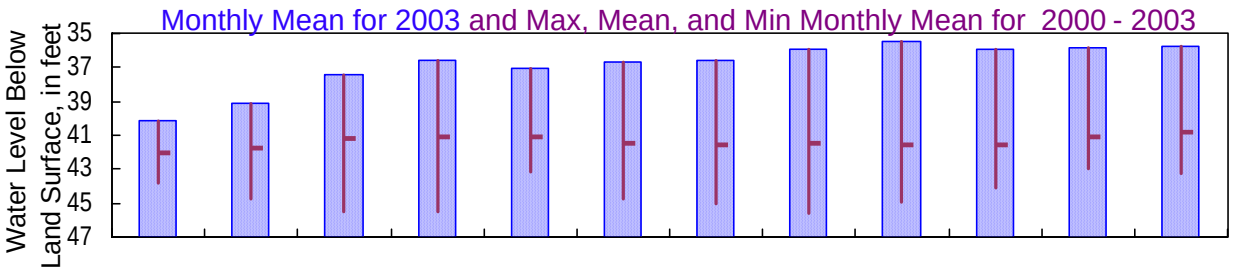


Upper Floridan Aquifer
2003 Calendar Year

322236081191001 **Site Name: 35T003**

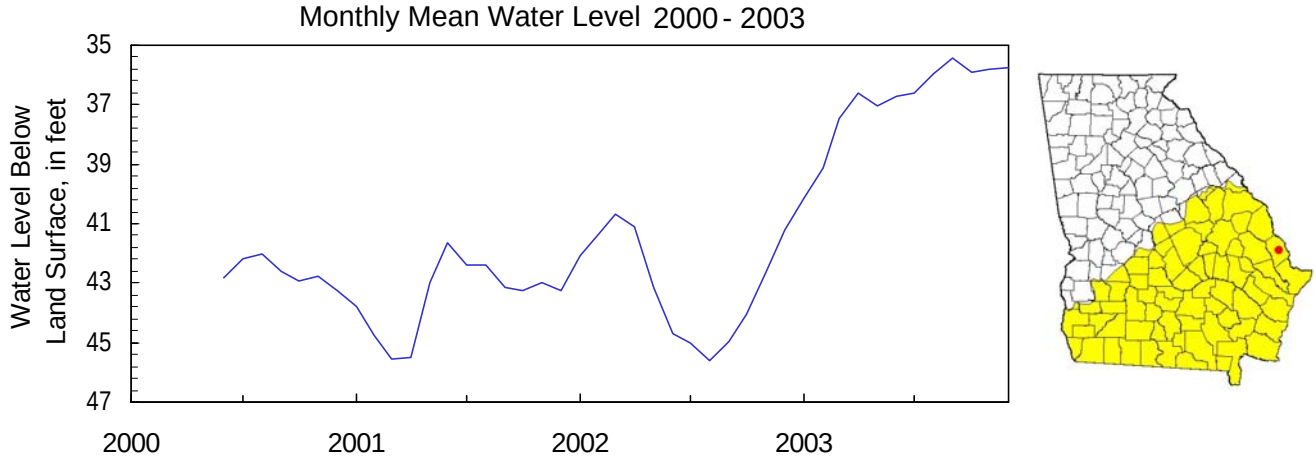
Latitude: 32°22' 36" Longitude: 81°19'10" Effingham County Period of Record: 2000
Well Depth: 400 feet Datum: 74 feet Well Diameter: 10 inches





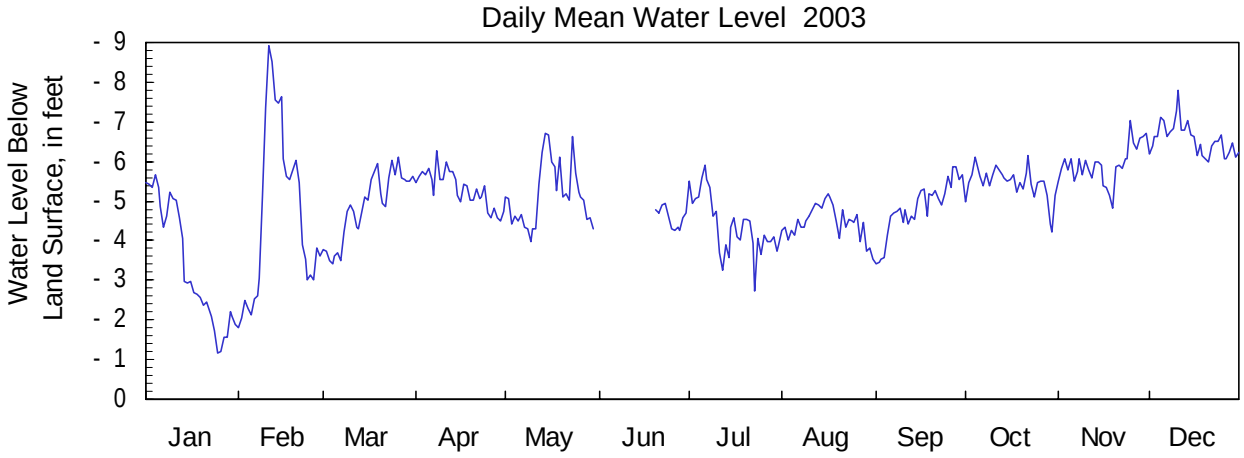
Monthly Water-Level Statistics

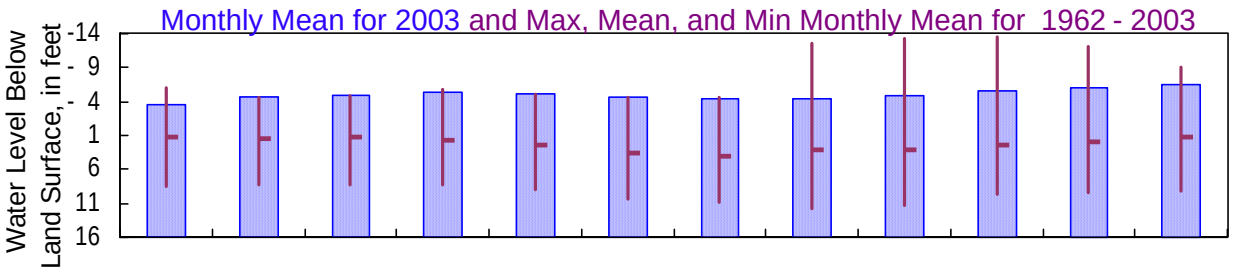
2003												
Max	40.14	39.77	38.32	36.91	37.48	37.25	36.88	36.43	35.73	36.17	35.95	35.98
Mean	40.14	39.11	37.48	36.58	37.04	36.71	36.60	35.96	35.44	35.90	35.83	35.72
Min	39.86	38.39	36.72	36.32	36.68	36.29	36.36	35.62	35.26	35.69	35.71	35.50
2000 - 2003												
Max	44.43	45.07	46.10	46.10	44.86	45.39	45.46	46.01	45.38	44.76	43.50	43.58
Mean	41.25	41.72	41.23	41.05	41.05	41.32	41.54	41.49	41.53	41.54	41.06	40.86
Min	35.29	38.39	36.72	36.32	36.68	36.29	36.36	35.62	35.26	35.69	35.71	35.50



Upper Floridan Aquifer
2003 Calendar Year
311007081301701 Site Name: 33H127

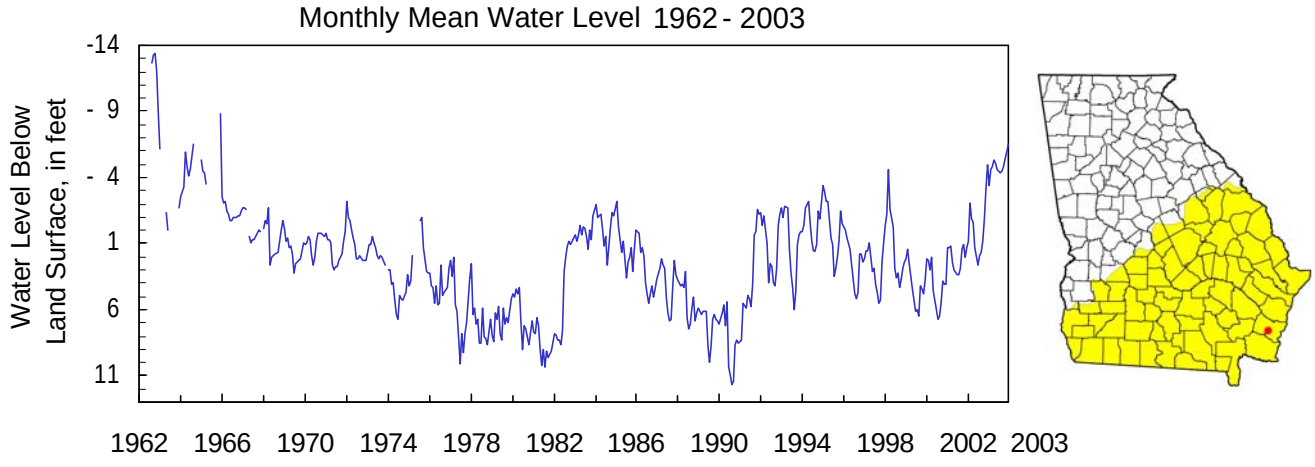
Latitude: 31°10' 06" Longitude: 81°30'16" Glynn County Period of Record: 1962
Well Depth: 952 feet Datum: 5 feet Well Diameter: 7 inches





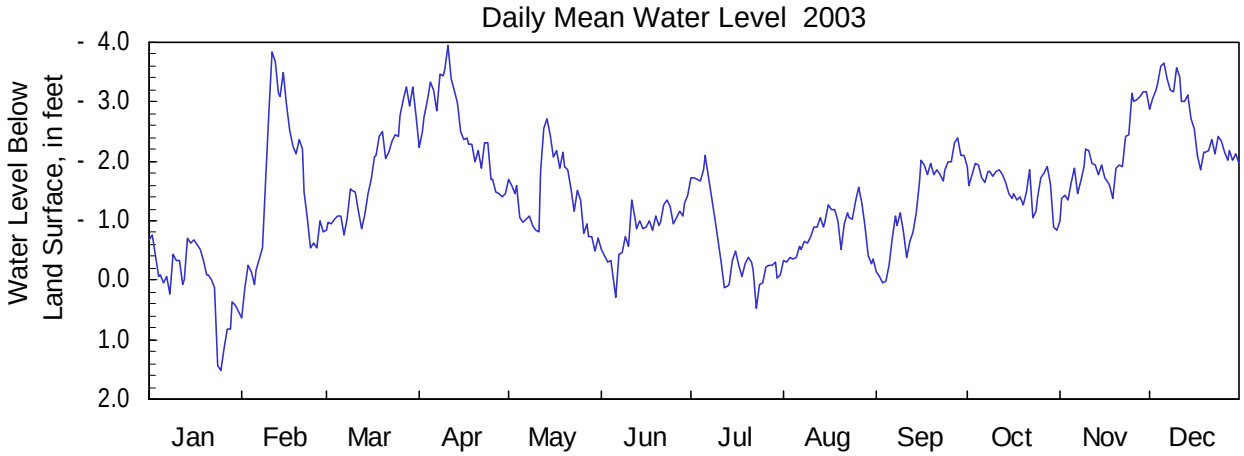
Monthly Water-Level Statistics

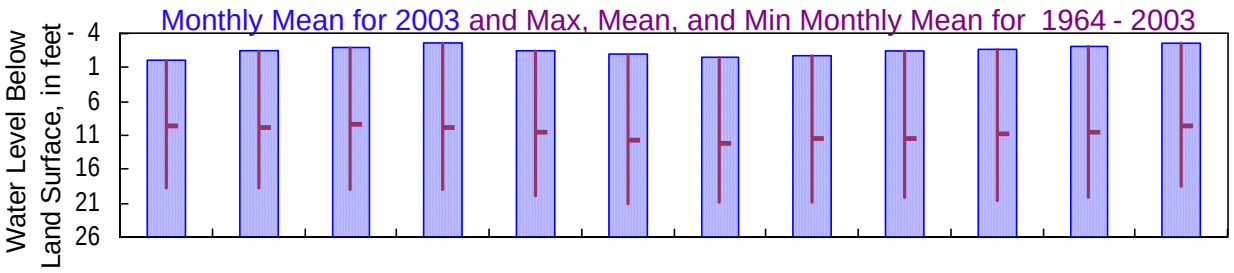
2003												
Max	-3.37	-1.81	-3.43	-4.52	-3.98	-4.24	-2.71	-3.54	-3.41	-4.21	-4.83	-5.98
Mean	-3.37	-4.64	-4.86	-5.31	-5.14	-4.58	-4.38	-4.47	-4.82	-5.46	-5.92	-6.55
Min	-5.66	-8.91	-6.10	-6.26	-6.72	-4.95	-5.92	-5.17	-5.87	-6.14	-7.02	-7.78
1962 - 2003												
Max	9.58	9.88	8.78	9.46	10.00	12.38	13.22	12.74	12.64	10.10	9.80	10.03
Mean	1.46	1.59	1.45	1.86	2.56	4.07	4.19	3.70	3.30	2.64	2.23	1.82
Min	-9.50	-8.91	-8.36	-10.50	-7.00	-4.95	-7.30	-12.70	-13.60	-14.00	-13.00	-15.00



Upper Floridan Aquifer
2003 Calendar Year
311007081301702 Site Name: 33H133

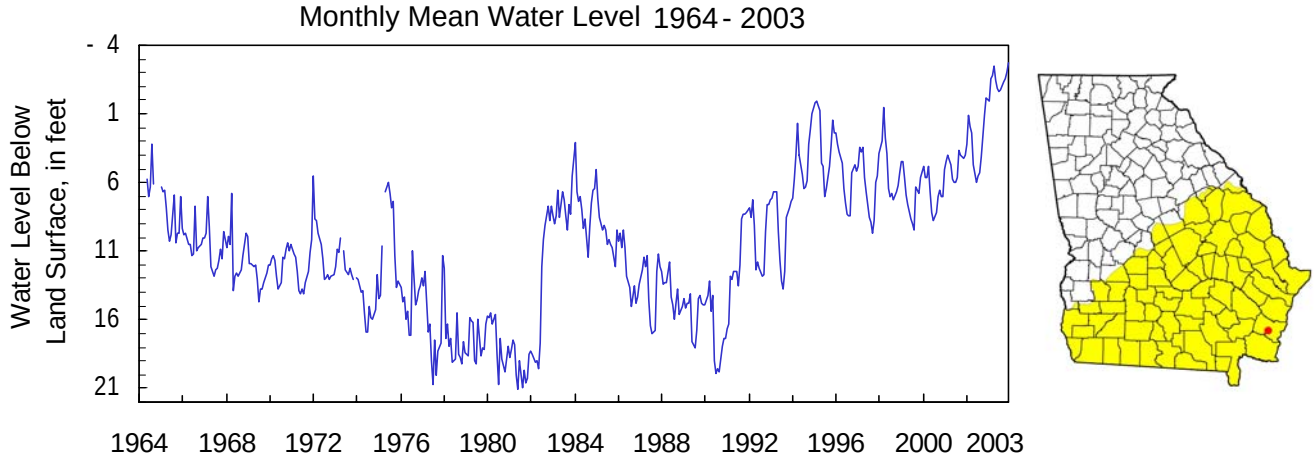
Latitude: 31°10' 06" Longitude: 81°30'16" Glynn County Period of Record: 1964
Well Depth: 790 feet Datum: 6 feet Well Diameter: 4 inches





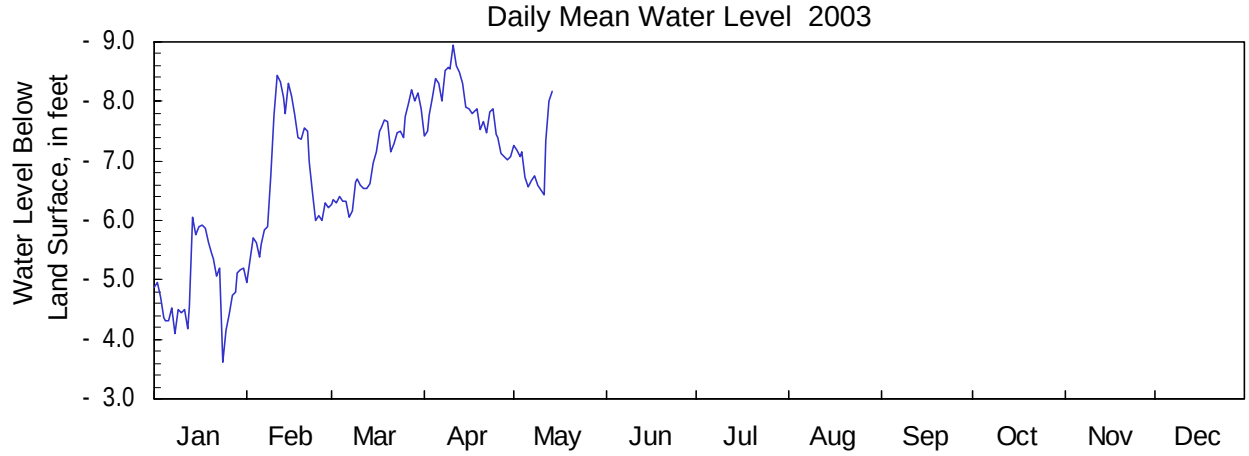
Monthly Water-Level Statistics

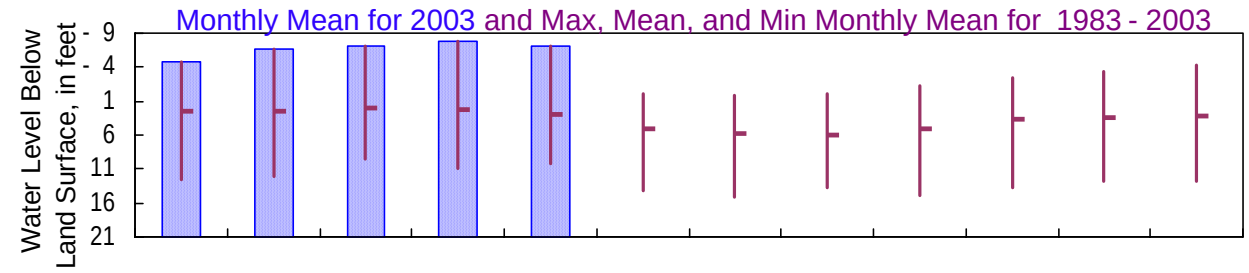
2003												
Max	0.02	0.63	-0.75	-1.39	-0.50	0.29	0.47	-0.27	0.05	-0.83	-1.00	-1.87
Mean	0.02	-1.53	-1.84	-2.52	-1.44	-0.84	-0.60	-0.81	-1.31	-1.58	-2.04	-2.68
Min	-0.75	-3.83	-3.25	-3.96	-2.71	-1.43	-2.10	-1.56	-2.40	-1.95	-3.18	-3.65
1964 - 2003												
Max	20.37	19.40	19.79	20.20	21.25	21.50	21.87	21.63	20.97	21.28	20.71	21.30
Mean	9.41	9.81	9.33	9.82	10.58	11.95	12.35	11.45	11.46	10.85	10.50	9.44
Min	-2.44	-3.83	-3.25	-3.96	-2.71	-1.43	-2.10	-1.56	-3.44	-1.95	-5.61	-9.07



Upper Floridan Aquifer
2003 Calendar Year
310925081312202 Site Name: 33H207

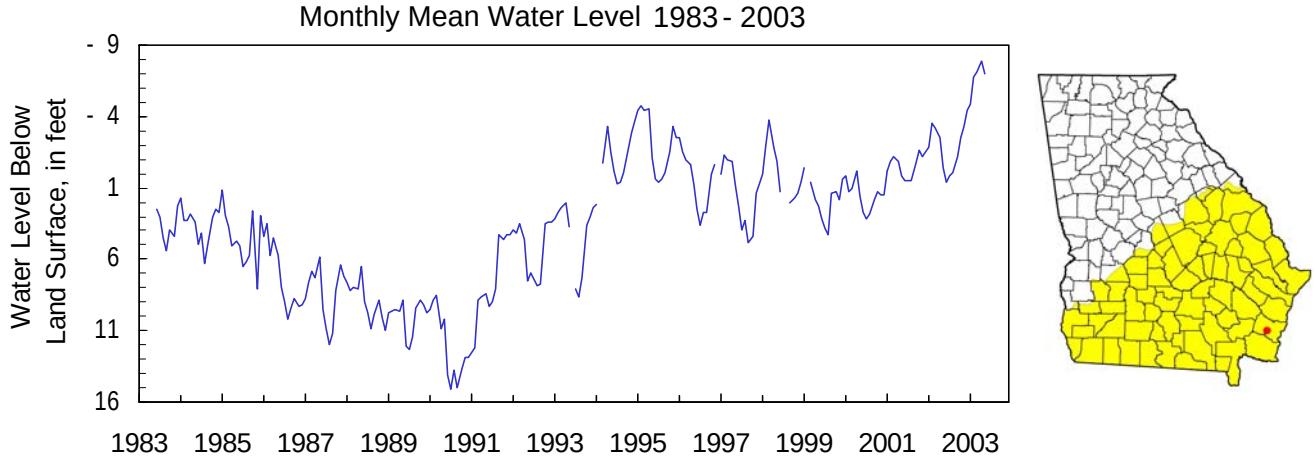
Latitude: 31°09' 25" Longitude: 81°31'22" Glynn County Period of Record: 1983
Well Depth: 720 feet Datum: 6 feet Well Diameter: 4 inches





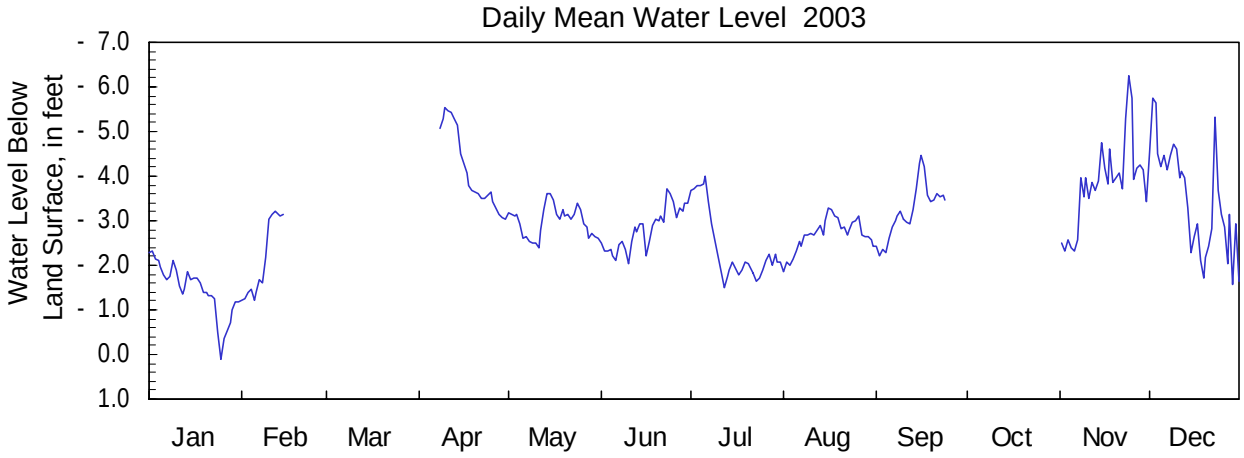
Monthly Water-Level Statistics

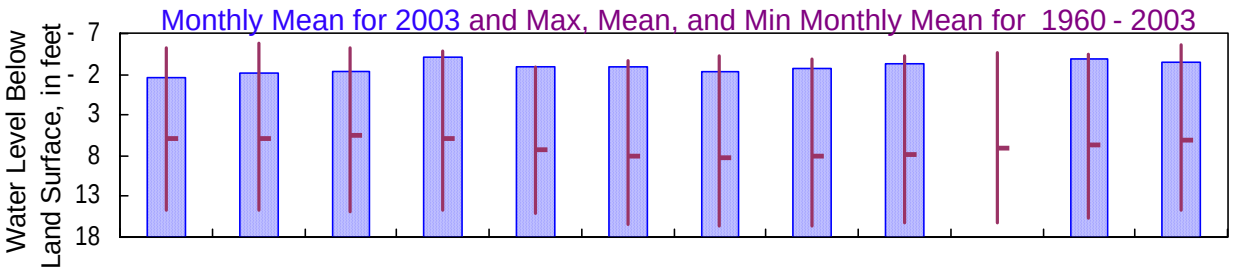
2003												
Max	-4.89	-4.96	-6.06	-7.02	-6.44							
Mean	-4.89	-6.77	-7.07	-7.87	-7.03							
Min	-6.04	-8.42	-8.20	-8.95	-8.16							
1983 - 2003												
Max	13.30	13.78	11.14	11.90	13.27	15.68	16.42	14.67	16.57	14.79	13.49	13.47
Mean	2.82	2.56	1.98	2.23	3.07	5.26	6.23	6.01	5.16	3.54	3.46	3.13
Min	-6.04	-8.42	-8.20	-8.95	-8.16	-0.95	-0.80	-0.79	-6.88	-9.22	-9.86	-8.34



Upper Floridan Aquifer
2003 Calendar Year
310906081293201 Site Name: 34H125

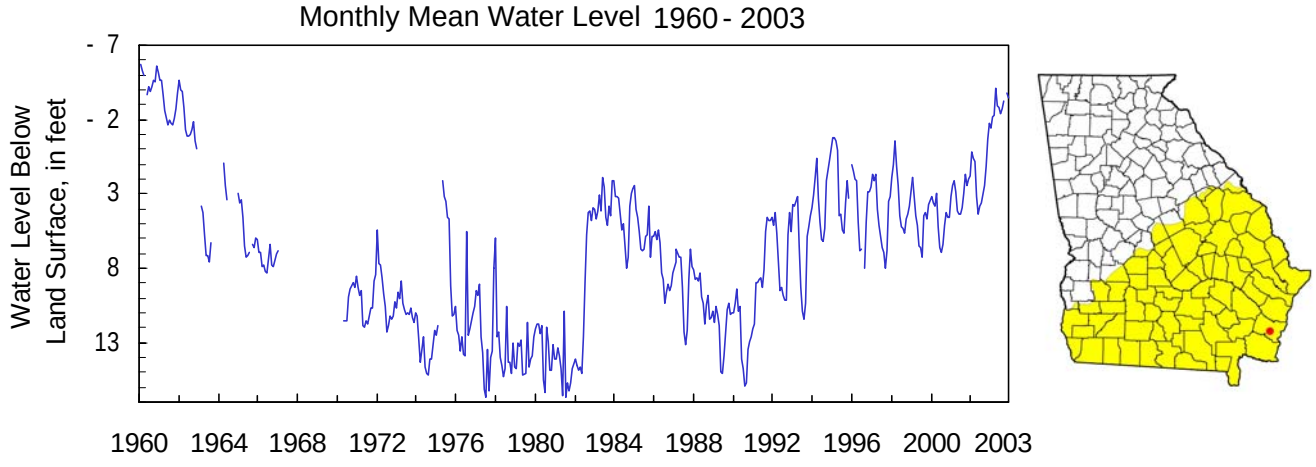
Latitude: 31°09'06" Longitude: 81°29'31" Glynn County Period of Record: 1960
Well Depth: 604 feet Datum: 11 feet Well Diameter: 4 inches





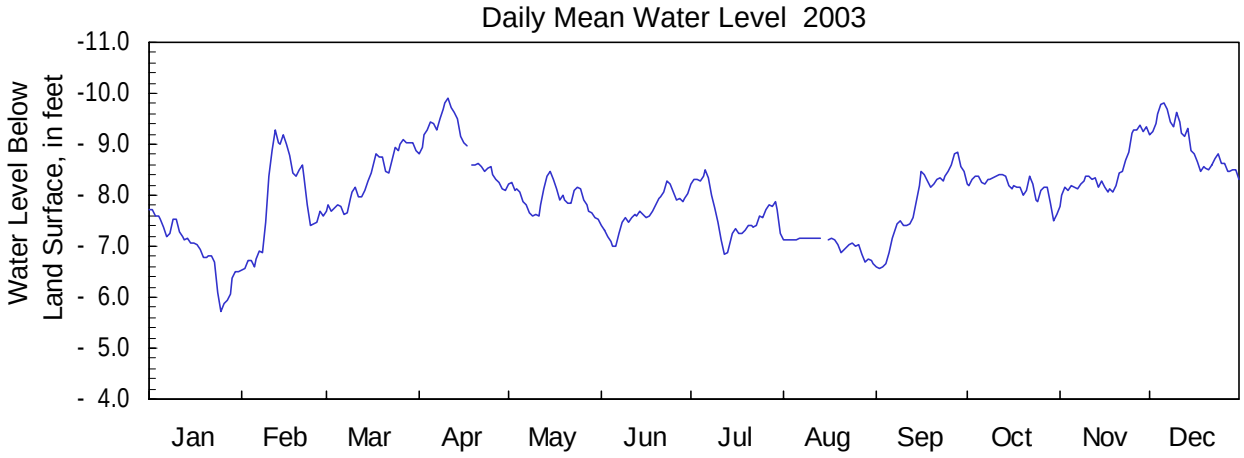
Monthly Water-Level Statistics

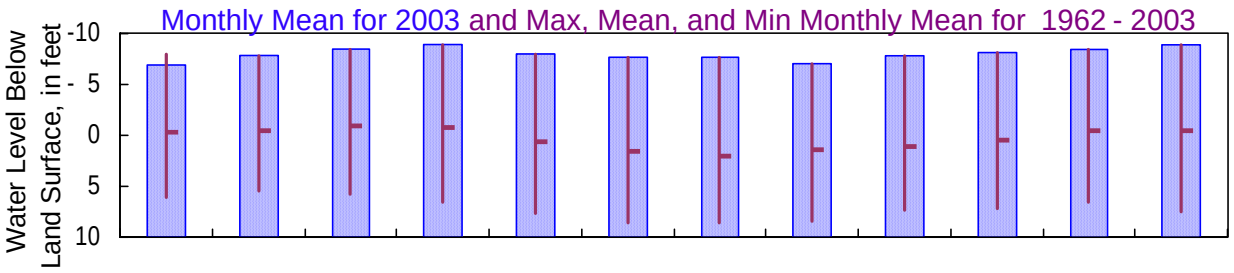
2003												
Max	-1.45	-1.20	-2.33	-3.04	-2.41	-2.03	-1.51	-1.87	-2.21		-2.32	-1.58
Mean	-1.45	-2.15	-2.33	-4.13	-2.98	-2.81	-2.40	-2.69	-3.24		-3.84	-3.48
Min	-2.31	-3.20	-2.33	-5.52	-3.62	-3.73	-3.99	-3.30	-4.47		-6.25	-5.75
1960 - 2003												
Max	16.15	15.20	15.25	15.85	15.89	18.68	18.50	17.10	17.20	16.77	16.30	16.02
Mean	5.88	5.99	5.71	6.15	7.27	8.62	8.46	8.00	8.06	7.19	6.71	6.24
Min	-6.80	-6.00	-6.40	-5.52	-3.62	-4.30	-5.00	-4.60	-5.10	-5.70	-6.25	-9.50



Upper Floridan Aquifer
2003 Calendar Year
310938081285301 Site Name: 34H334

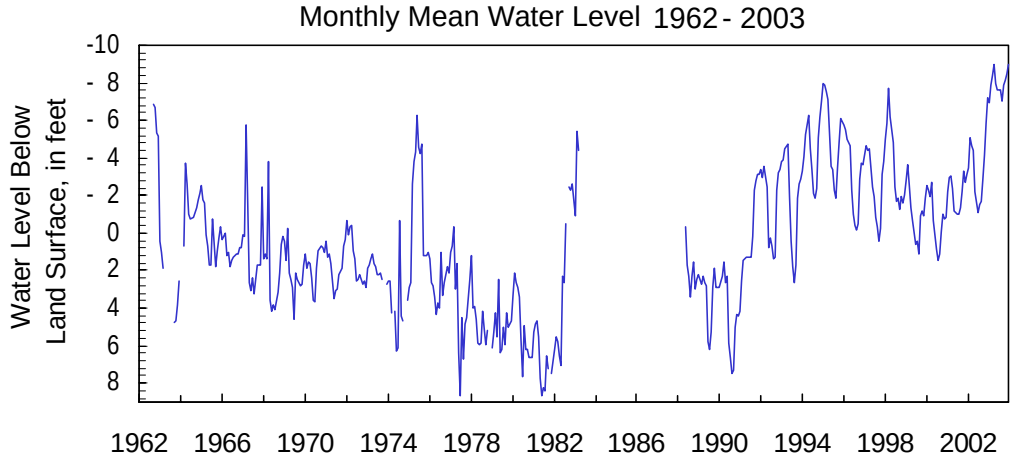
Latitude: 31°09' 38" Longitude: 81°28'53" Glynn County Period of Record: 1962
Well Depth: 980 feet Datum: 7 feet Well Diameter: 4 inches

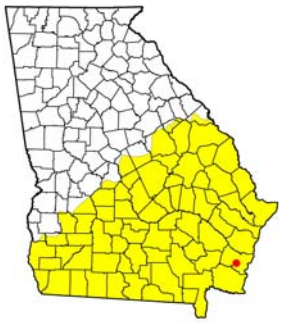




Monthly Water-Level Statistics

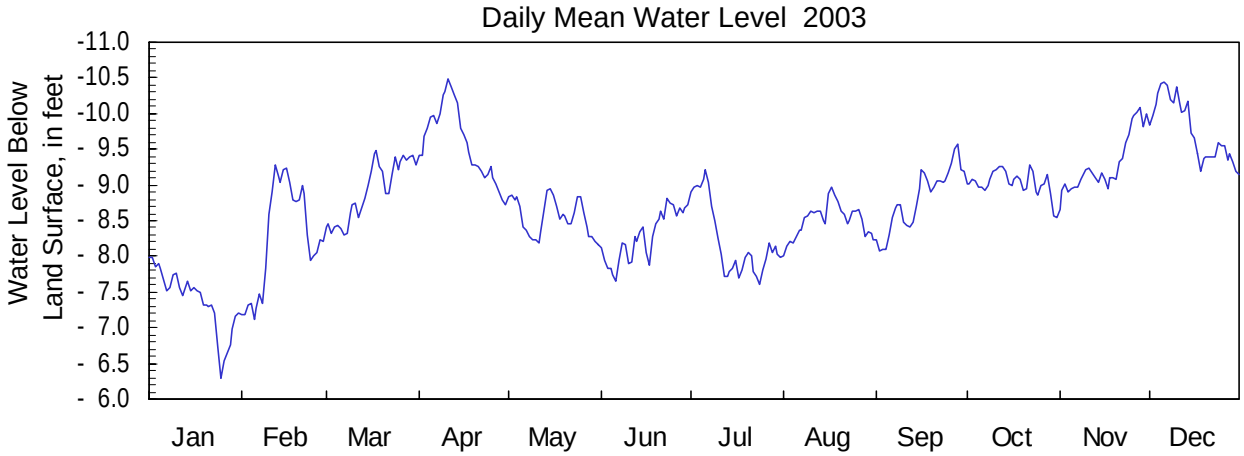
2003												
Max	-6.93	-6.53	-7.63	-8.08	-7.52	-7.00	-6.83	-6.66	-6.58	-7.50	-7.78	-8.33
Mean	-6.93	-7.87	-8.36	-8.98	-7.94	-7.66	-7.63	-7.04	-7.84	-8.16	-8.46	-8.98
Min	-7.73	-9.28	-9.09	-9.92	-8.48	-8.29	-8.49	-7.17	-8.85	-8.40	-9.38	-9.81
1962 - 2003												
Max	6.17	5.50	5.74	6.58	7.70	8.65	8.62	8.44	8.19	7.25	6.59	7.51
Mean	-2.78	-3.15	-3.20	-2.95	-1.34	-0.08	0.41	0.65	-0.27	-1.83	-2.21	-2.58
Min	-8.88	-9.28	-9.32	-9.92	-8.48	-8.29	-8.49	-7.17	-8.85	-8.40	-9.38	-9.81

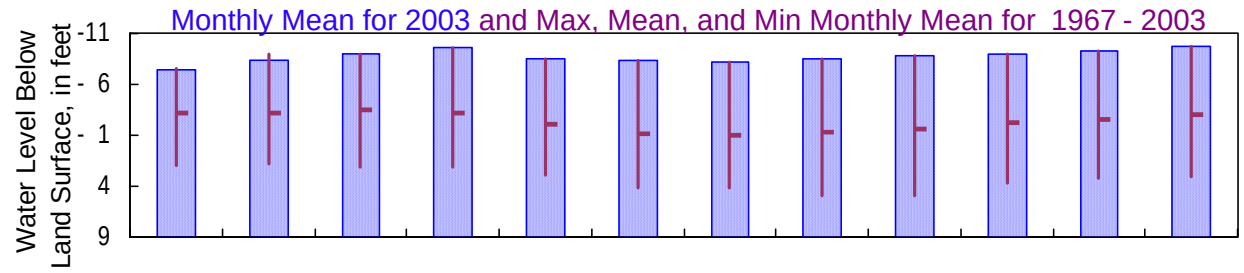




Upper Floridan Aquifer
2003 Calendar Year
310818081293701 Site Name: 34H371

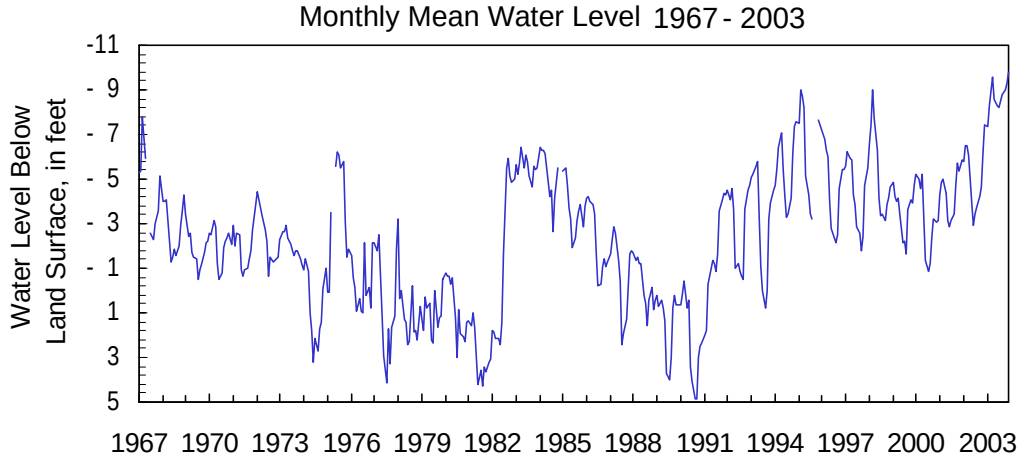
Latitude: 31°08' 18" Longitude: 81°29'36" Glynn County Period of Record: 1967
Well Depth: 700 feet Datum: 8 feet Well Diameter: 2 inches

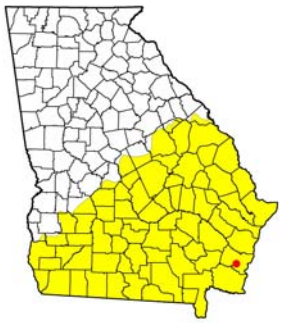




Monthly Water-Level Statistics

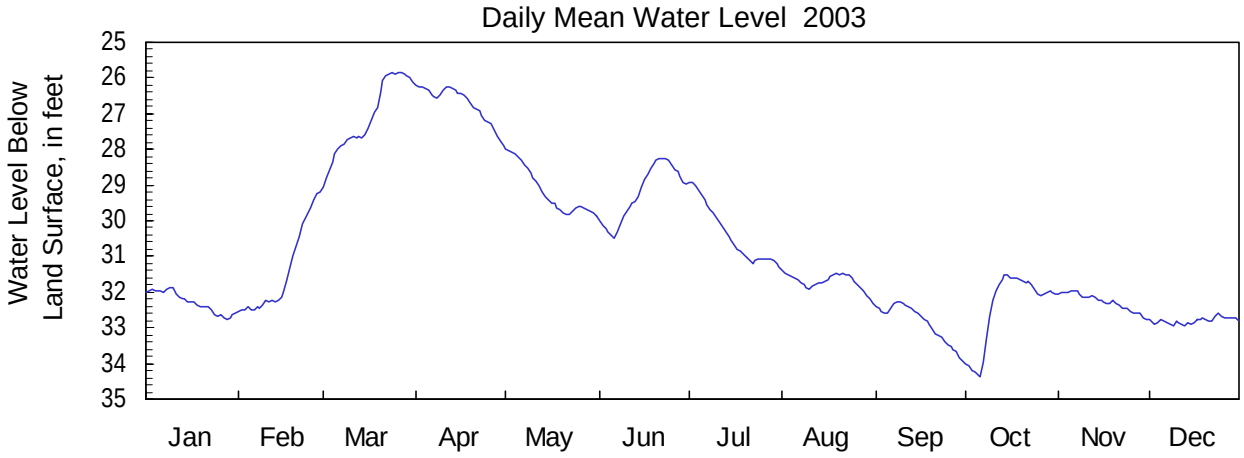
2003												
Max	-7.38	-7.11	-8.30	-8.72	-8.17	-7.66	-7.61	-8.01	-8.08	-8.54	-8.65	-9.15
Mean	-7.38	-8.27	-8.92	-9.59	-8.55	-8.28	-8.21	-8.50	-8.81	-9.02	-9.29	-9.76
Min	-7.99	-9.29	-9.49	-10.49	-8.95	-8.82	-9.21	-8.97	-9.56	-9.27	-10.09	-10.44
1967 - 2003												
Max	2.47	2.58	2.54	2.71	3.90	4.64	5.40	5.36	5.64	4.09	3.62	3.49
Mean	-3.04	-2.99	-3.54	-3.06	-2.21	-1.13	-0.90	-1.28	-1.49	-2.14	-2.36	-3.04
Min	-9.60	-9.37	-10.26	-10.49	-8.95	-8.82	-9.21	-8.97	-9.56	-9.27	-10.09	-10.44

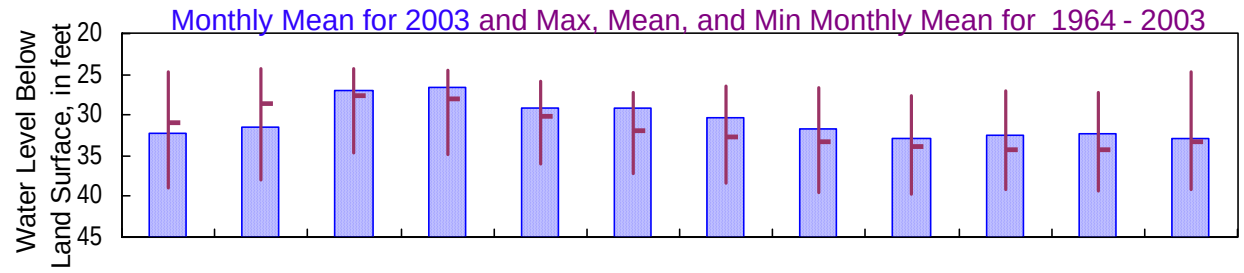




Upper Floridan Aquifer
2003 Calendar Year
322652083033001 Site Name: 21T001

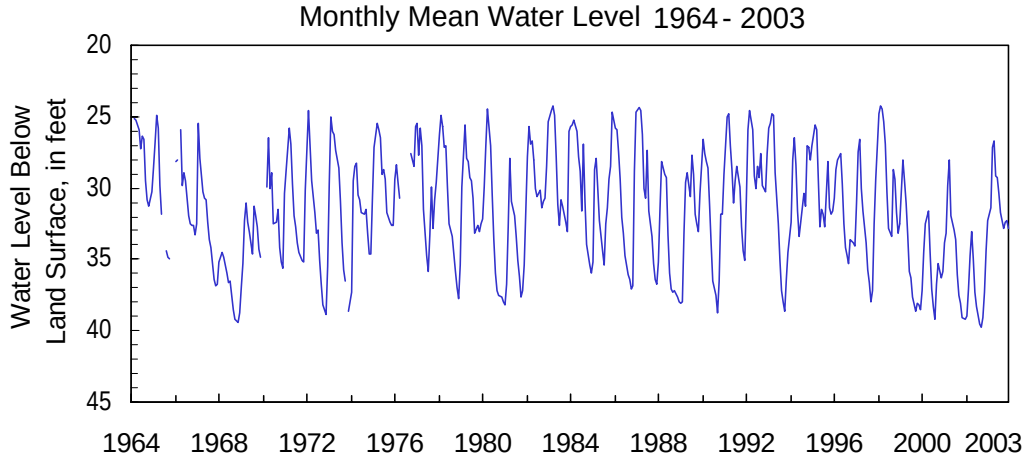
Latitude: 32°27' 06" Longitude: 83°03'28" Laurens County Period of Record: 1964
Well Depth: 123 feet Datum: 258 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

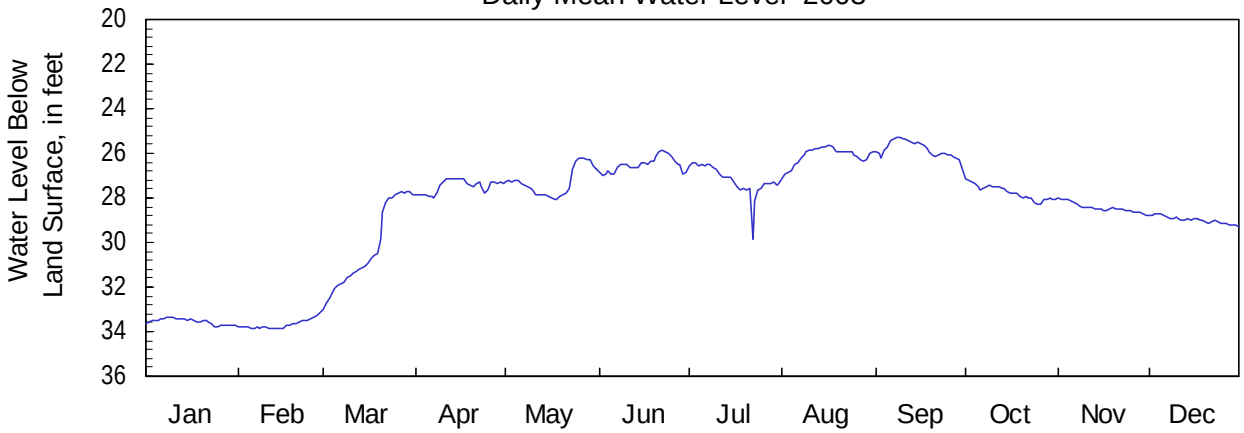
2003												
Max	32.28	32.54	29.06	27.88	29.86	30.49	31.31	32.31	33.95	34.37	32.76	32.95
Mean	32.28	31.43	27.11	26.72	29.17	29.22	30.38	31.71	32.86	32.43	32.27	32.80
Min	31.87	29.18	25.87	26.20	27.99	28.24	28.94	31.39	32.28	31.51	31.97	32.60
1964 - 2003												
Max	39.32	38.39	36.96	35.41	36.34	39.90	39.08	39.92	40.13	39.46	39.58	39.28
Mean	30.95	28.71	27.71	28.03	30.15	31.88	32.77	33.47	33.94	34.15	34.19	33.30
Min	23.62	23.84	23.99	23.94	24.60	26.75	23.00	26.18	26.40	25.22	25.55	24.49



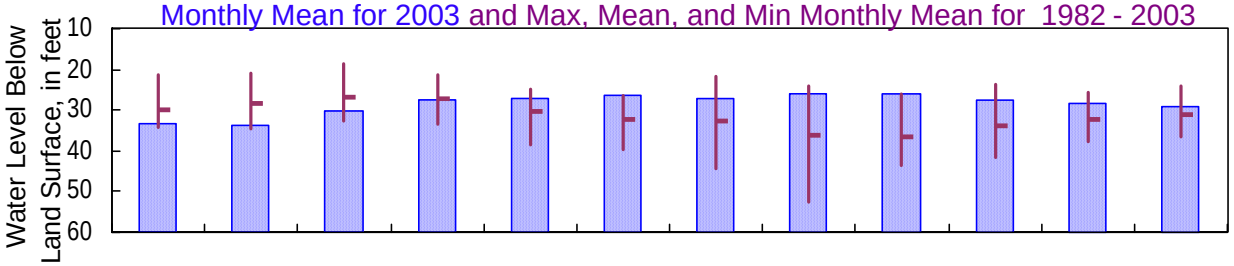
Upper Floridan Aquifer
2003 Calendar Year
313808084093601 Site Name: 12M017

Latitude: 31°38' 08" Longitude: 84°09'36" Lee County Period of Record: 1982
Well Depth: 181 feet Datum: 224 feet Well Diameter: 4 inches

Daily Mean Water Level 2003



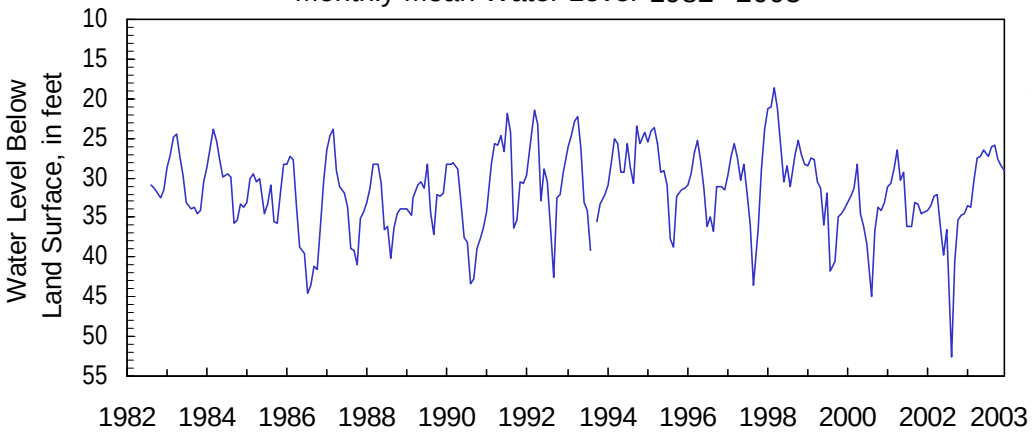
Monthly Mean for 2003 and Max, Mean, and Min Monthly Mean for 1982 - 2003

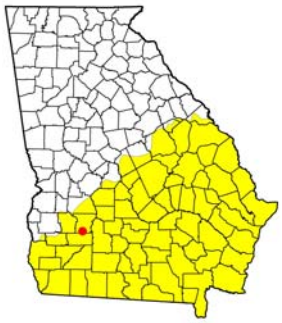


Monthly Water-Level Statistics

2003												
Max	33.55	33.88	33.00	27.99	28.08	27.03	29.88	27.12	26.71	28.28	28.76	29.27
Mean	33.55	33.68	30.23	27.47	27.29	26.52	27.20	26.10	25.83	27.75	28.44	28.99
Min	33.33	33.14	27.72	27.12	26.20	25.88	26.42	25.65	25.32	27.12	28.03	28.70
1982 - 2003												
Max	36.12	35.18	34.25	40.91	54.74	58.04	50.56	63.76	62.38	52.01	42.47	37.05
Mean	29.98	28.33	26.62	27.26	30.24	32.19	32.61	36.05	36.14	33.68	32.41	31.20
Min	21.06	20.67	15.15	19.89	22.67	22.08	20.45	21.17	25.14	22.30	24.52	20.80

Monthly Mean Water Level 1982 - 2003

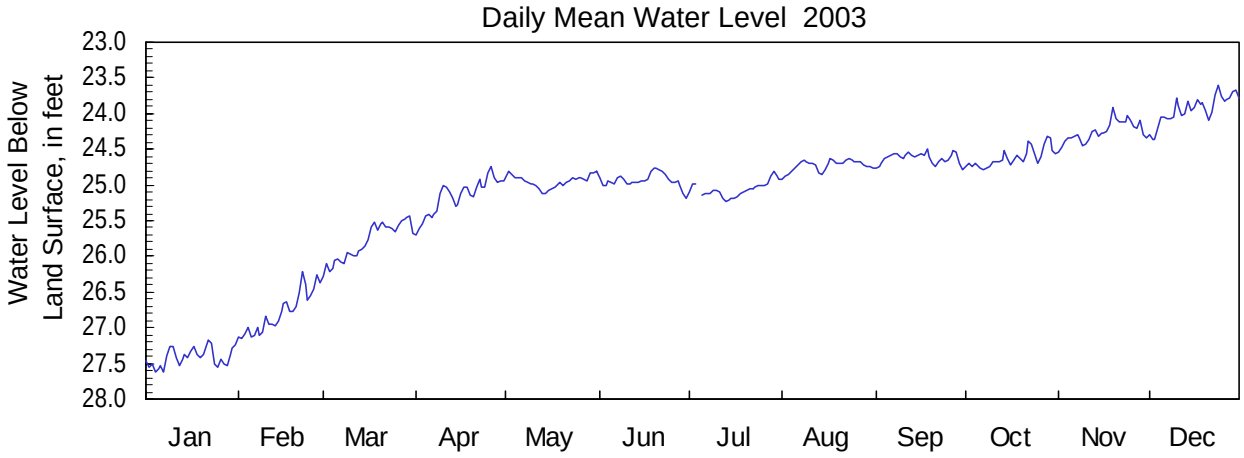


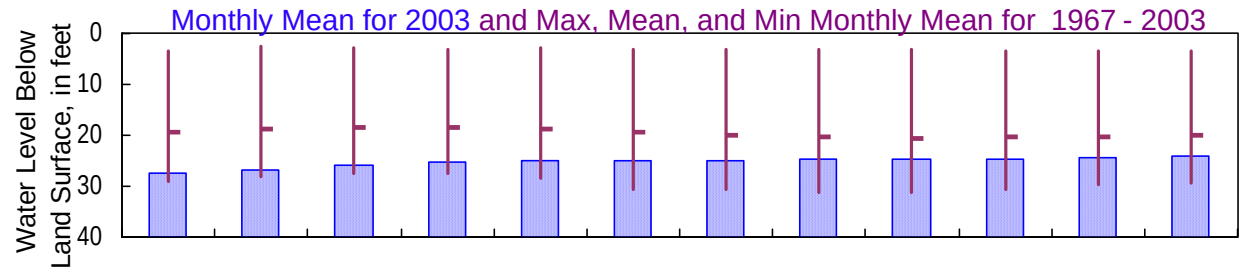


Upper Floridan Aquifer
2003 Calendar Year

315214081235301 **Site Name: 34N089**

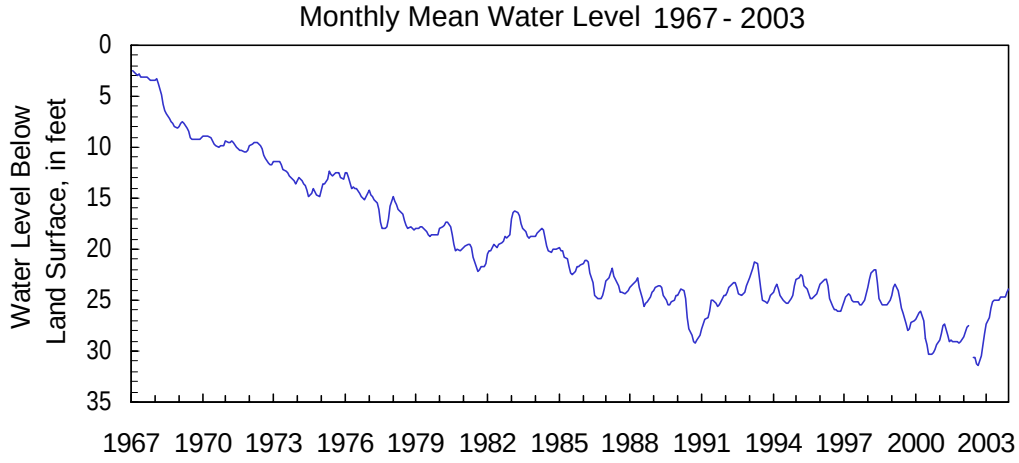
Latitude: 31°52' 14" Longitude: 81°23'53" Liberty County Period of Record: 1967
Well Depth: 789 feet Datum: 16 feet Well Diameter: 4 inches





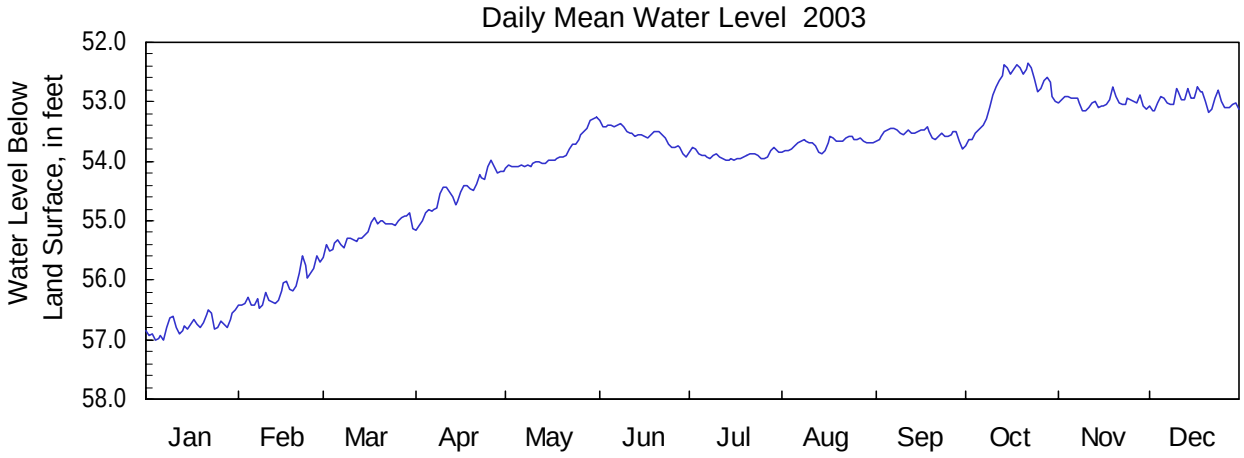
Monthly Water-Level Statistics

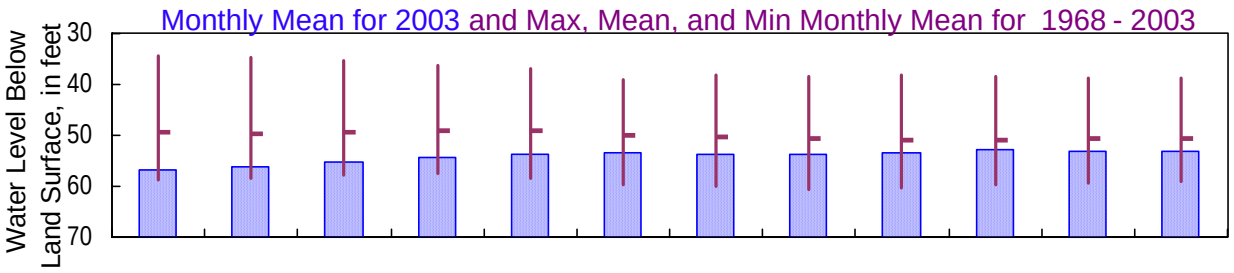
2003												
Max	27.42	27.14	26.29	25.70	25.12	25.18	25.24	24.91	24.78	24.78	24.53	24.37
Mean	27.42	26.79	25.80	25.16	24.95	24.93	25.06	24.73	24.62	24.62	24.25	23.94
Min	27.19	26.22	25.43	24.74	24.81	24.76	24.82	24.63	24.51	24.31	23.92	23.59
1967 - 2003												
Max	29.03	28.70	27.99	27.71	29.16	30.98	30.91	31.48	31.48	31.22	30.04	29.62
Mean	19.62	19.13	18.90	18.81	18.72	19.47	19.98	20.51	20.58	20.59	20.27	19.80
Min	2.90	2.37	2.34	2.80	2.50	3.00	2.97	2.97	2.95	3.00	3.15	3.20



Upper Floridan Aquifer
2003 Calendar Year
313845081361701 Site Name: 33M004

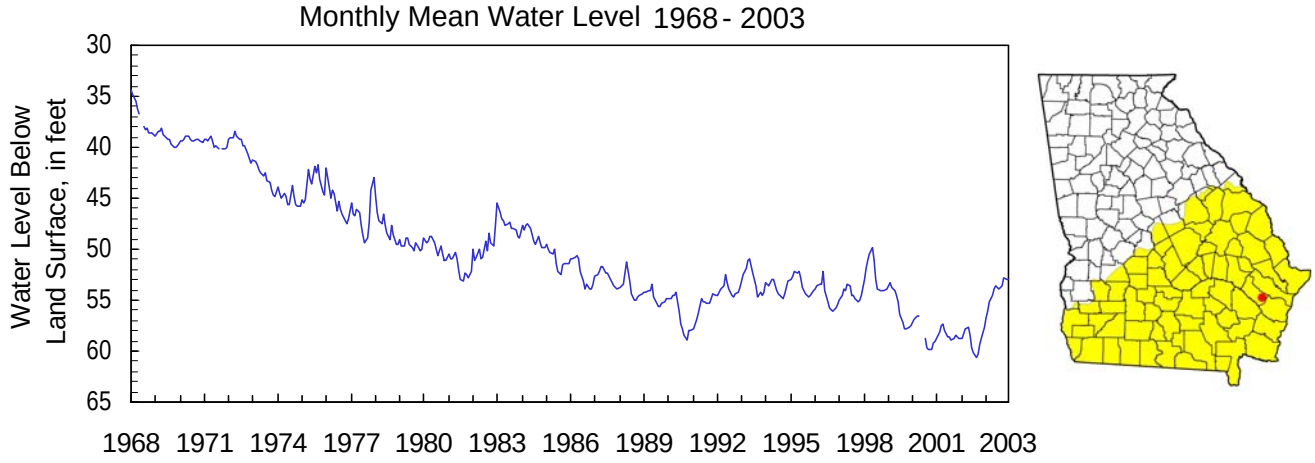
Latitude: 31°38' 54" Longitude: 81°36'04" Long County Period of Record: 1968
Well Depth: 870 feet Datum: 60 feet Well Diameter: 3 inches





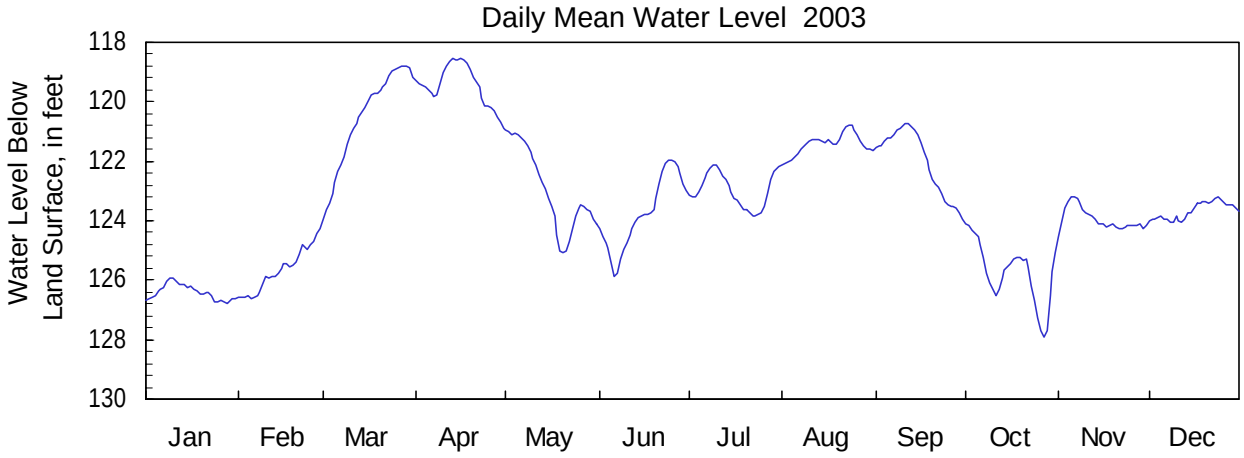
Monthly Water-Level Statistics

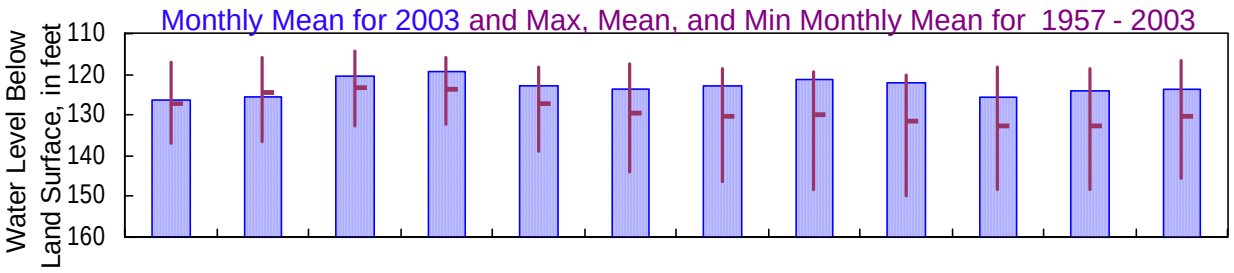
2003												
Max	56.76	56.47	55.62	55.17	54.12	53.92	53.99	53.87	53.80	53.73	53.14	53.18
Mean	56.76	56.14	55.19	54.52	53.86	53.56	53.90	53.70	53.54	52.85	53.00	52.98
Min	56.50	55.59	54.88	53.98	53.26	53.31	53.76	53.58	53.42	52.34	52.75	52.76
1968 - 2003												
Max	59.04	58.67	58.22	57.77	58.99	60.00	60.33	60.92	60.90	59.99	59.55	59.28
Mean	49.63	49.52	49.44	48.96	49.19	49.98	50.39	50.95	51.01	50.88	50.95	50.60
Min	34.04	34.60	35.07	35.73	36.56	38.75	37.78	38.12	37.82	38.34	38.38	38.47



Upper Floridan Aquifer
2003 Calendar Year
304949083165301 Site Name: 19E009

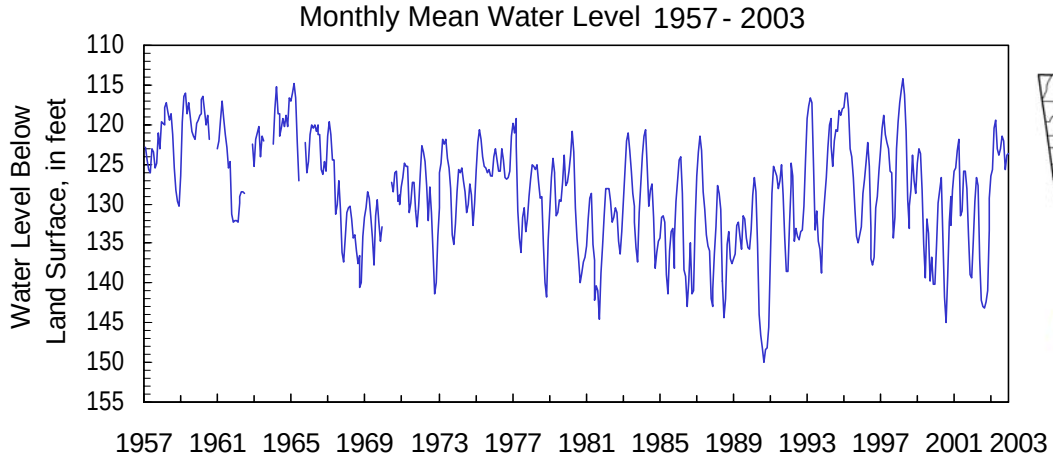
Latitude: 30°49' 51" Longitude: 83°16'58" Lowndes County Period of Record: 1957
Well Depth: 342 feet Datum: 212 feet Well Diameter: 20 inches





Monthly Water-Level Statistics

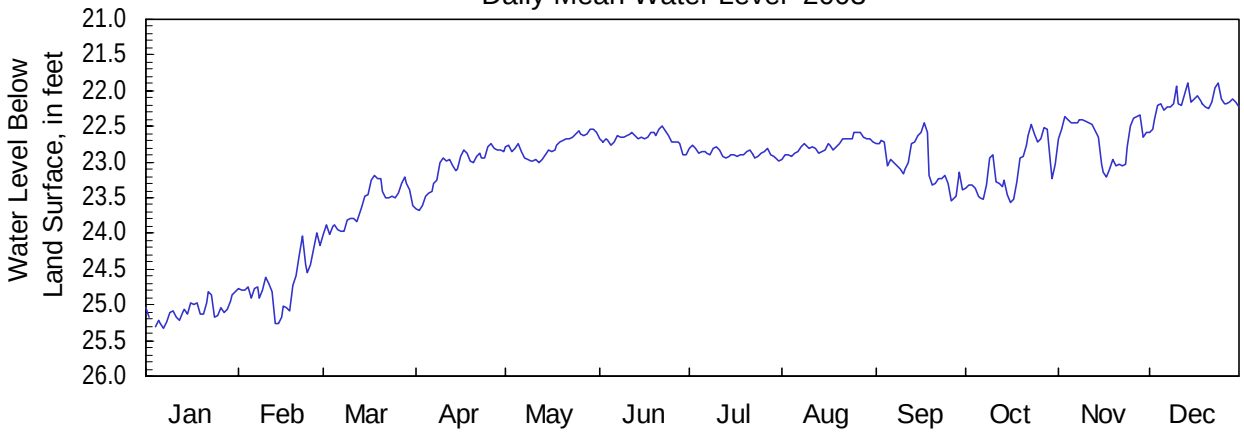
2003												
Max	126.41	126.65	123.97	120.89	125.10	125.88	123.85	122.14	123.96	127.92	124.55	124.06
Mean	126.41	125.67	120.53	119.45	122.97	123.76	122.98	121.42	122.00	125.74	123.94	123.66
Min	125.91	124.28	118.80	118.53	120.95	121.98	122.11	120.79	120.73	124.08	123.19	123.19
1957 - 2003												
Max	142.56	137.93	134.00	137.98	142.61	148.50	149.74	149.96	151.79	150.53	149.33	148.23
Mean	127.90	125.18	123.64	124.03	128.02	131.14	131.53	131.65	132.45	133.91	133.54	131.12
Min	115.60	114.84	113.27	114.45	116.46	115.51	117.34	118.94	118.39	116.58	117.99	114.78



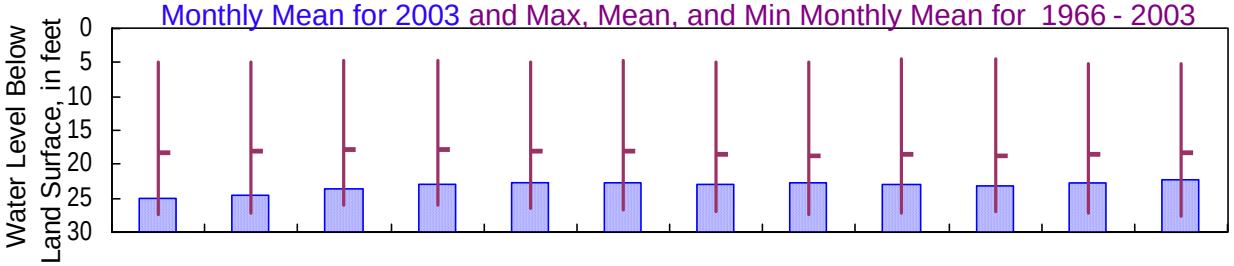
Upper Floridan Aquifer
2003 Calendar Year
313823081154201 Site Name: 35M013

Latitude: 31°38' 23" Longitude: 81°15'42" McIntosh County Period of Record: 1966
Well Depth: 553 feet Datum: 15 feet Well Diameter: 10 inches

Daily Mean Water Level 2003



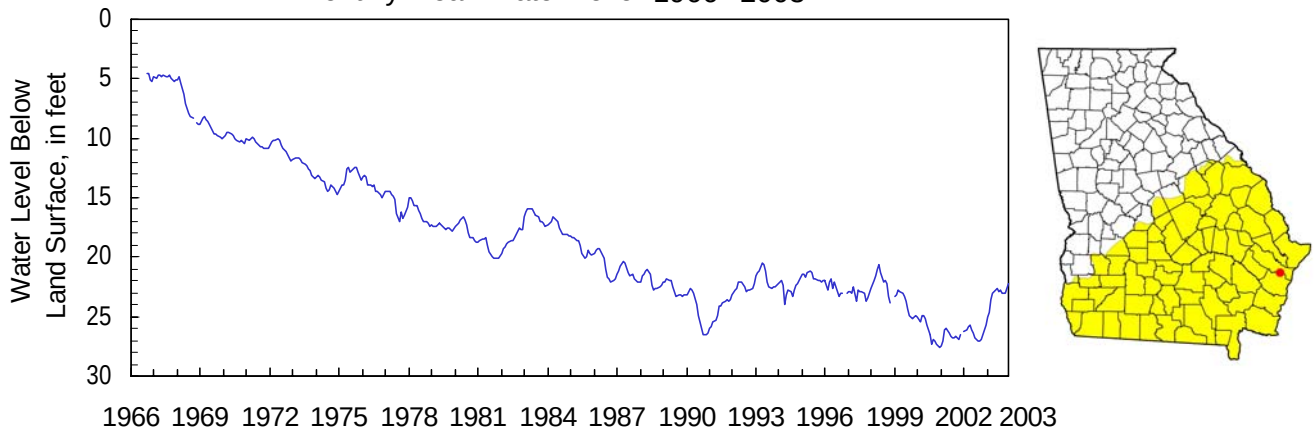
Monthly Mean for 2003 and Max, Mean, and Min Monthly Mean for 1966 - 2003



Monthly Water-Level Statistics

2003												
Max	25.08	25.27	24.02	23.68	23.01	22.90	23.00	22.97	23.53	23.58	23.20	22.59
Mean	25.08	24.70	23.60	23.07	22.77	22.67	22.88	22.77	23.03	23.10	22.66	22.18
Min	24.81	23.99	23.18	22.73	22.54	22.50	22.76	22.58	22.46	22.47	22.34	21.88
1966 - 2003												
Max	27.75	27.53	26.80	26.48	26.85	27.27	27.25	27.84	27.32	27.44	27.91	27.87
Mean	18.30	18.76	18.32	17.96	18.25	18.28	18.57	18.81	18.84	18.67	18.49	18.26
Min	4.19	4.65	4.48	4.44	4.13	4.38	4.64	4.40	4.15	4.35	4.38	4.85

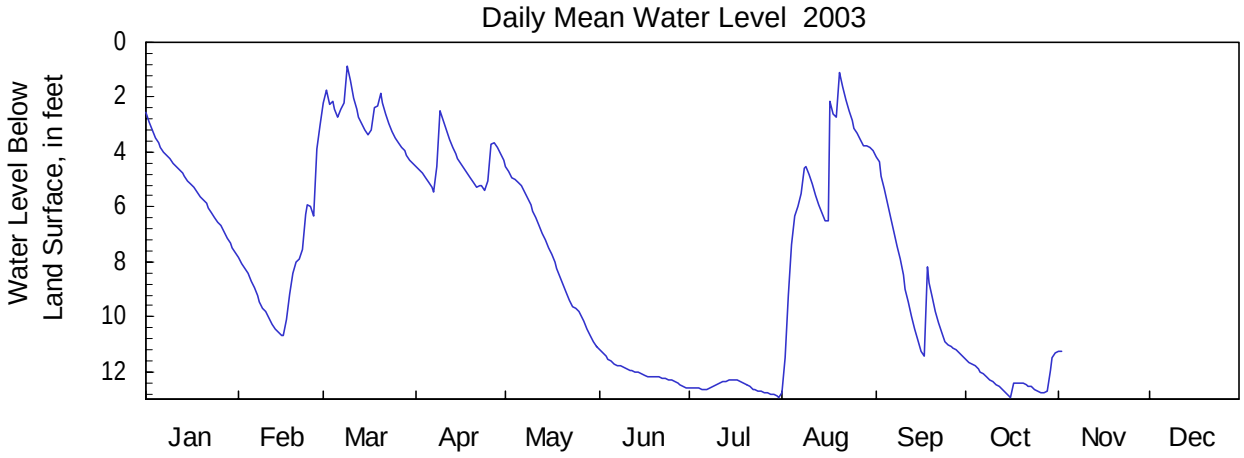
Monthly Mean Water Level 1966 - 2003

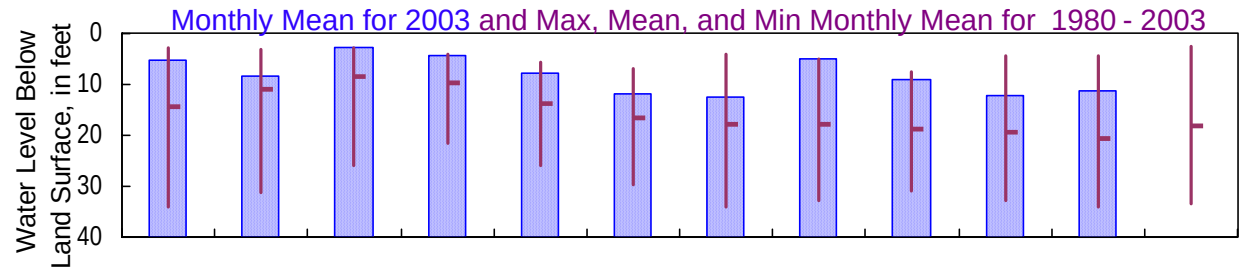


Upper Floridan Aquifer
2003 Calendar Year

311009084495502 **Site Name: 07H002**

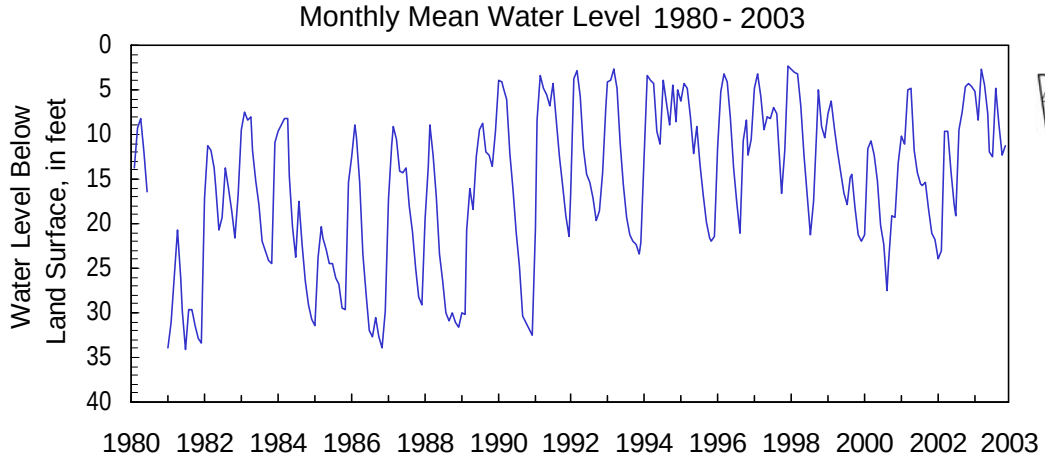
Latitude: 31°10' 08" Longitude: 84°49'54" Miller County Period of Record: 1980
Well Depth: 75 feet Datum: 167 feet Well Diameter: 4 inches

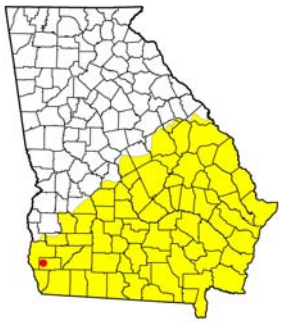




Monthly Water-Level Statistics

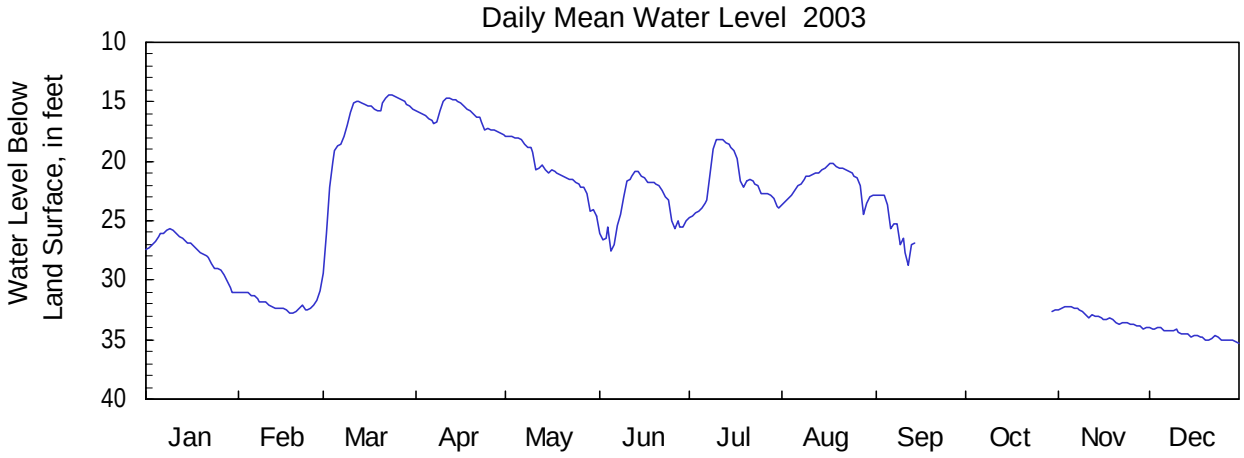
2003												
Max	5.22	10.68	4.42	5.43	11.07	12.60	12.94	12.76	11.45	12.95	11.37	
Mean	5.22	8.34	2.76	4.43	7.73	12.03	12.58	4.89	8.97	12.30	11.28	
Min	2.55	3.00	0.88	2.49	4.50	11.21	12.29	1.10	4.15	11.30	11.24	
1980 - 2003												
Max	34.23	34.28	28.74	23.72	29.53	34.20	35.89	36.00	32.45	33.47	34.35	33.59
Mean	13.93	10.85	8.52	9.65	13.76	16.51	17.76	17.92	18.65	19.45	21.21	18.10
Min	0.46	1.24	0.22	1.88	2.36	2.75	1.42	1.10	0.39	1.43	1.09	0.47

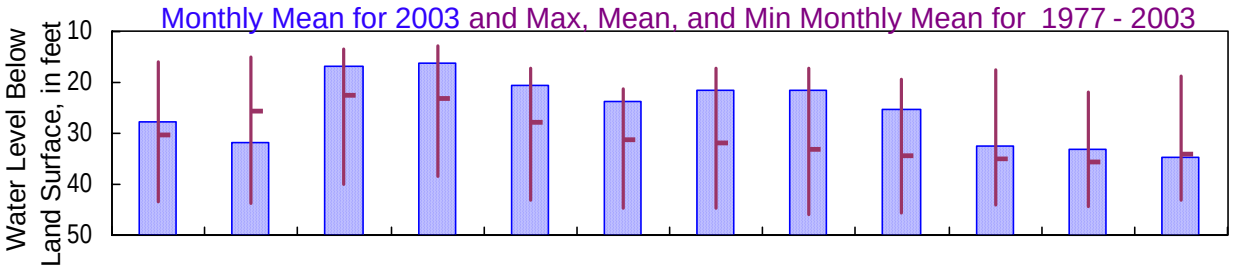




Upper Floridan Aquifer
2003 Calendar Year
310651084404501 Site Name: 08G001

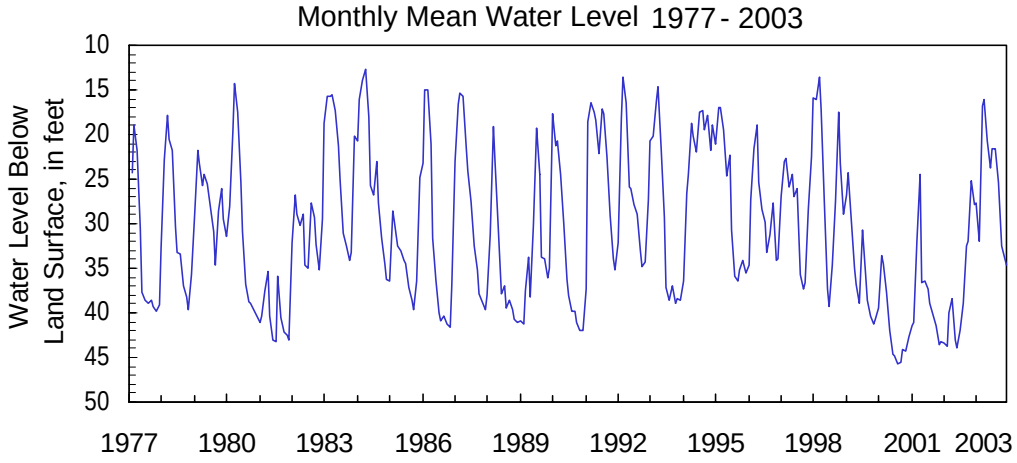
Latitude: 31°06'51" Longitude: 84°40'44" Miller County Period of Record: 1977
Well Depth: 225 feet Datum: 152 feet Well Diameter: 12 inches

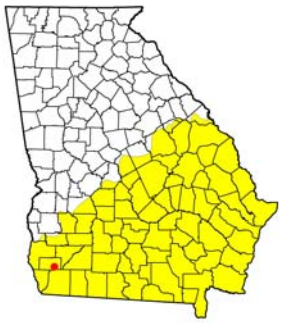




Monthly Water-Level Statistics

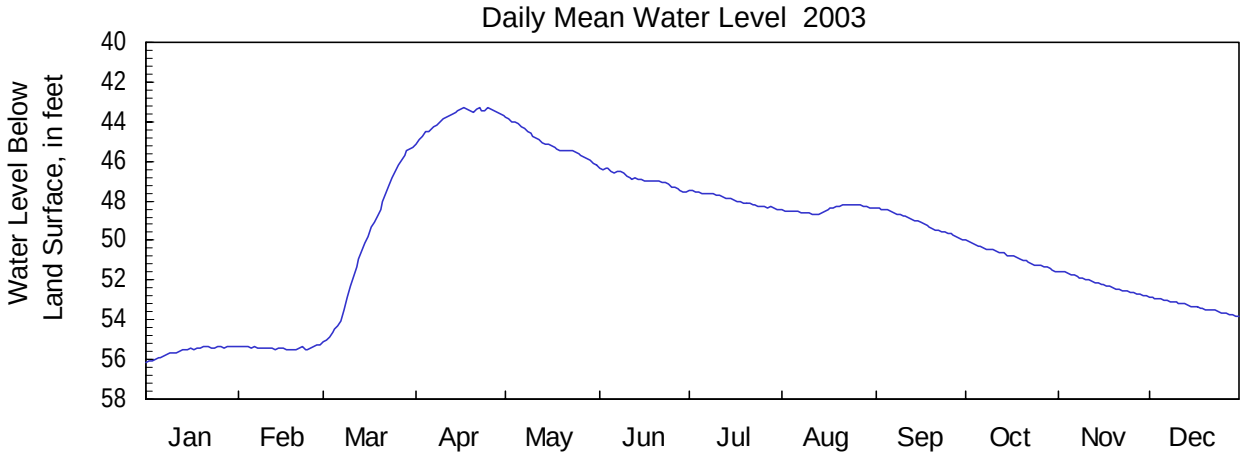
2003												
Max	27.67	32.79	29.42	17.78	24.55	27.50	24.76	24.44	28.73	32.62	34.05	35.26
Mean	27.67	31.96	16.83	16.15	20.63	23.70	21.69	21.67	25.35	32.59	33.13	34.61
Min	25.61	30.93	14.47	14.70	17.85	20.90	18.12	20.23	22.80	32.56	32.24	33.99
1977 - 2003												
Max	43.51	44.18	43.81	40.43	44.40	45.05	45.44	46.70	46.78	45.01	45.30	43.42
Mean	30.52	25.67	22.65	22.96	27.81	31.29	31.88	33.17	34.69	35.16	35.62	34.17
Min	13.15	11.24	11.50	11.18	14.48	16.90	14.47	14.27	16.00	12.35	16.55	16.73

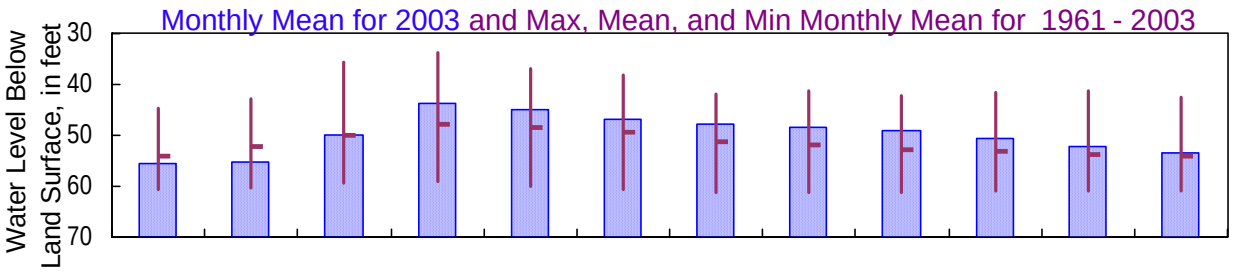




Upper Floridan Aquifer
2003 Calendar Year
310507084262201 Site Name: 10G313

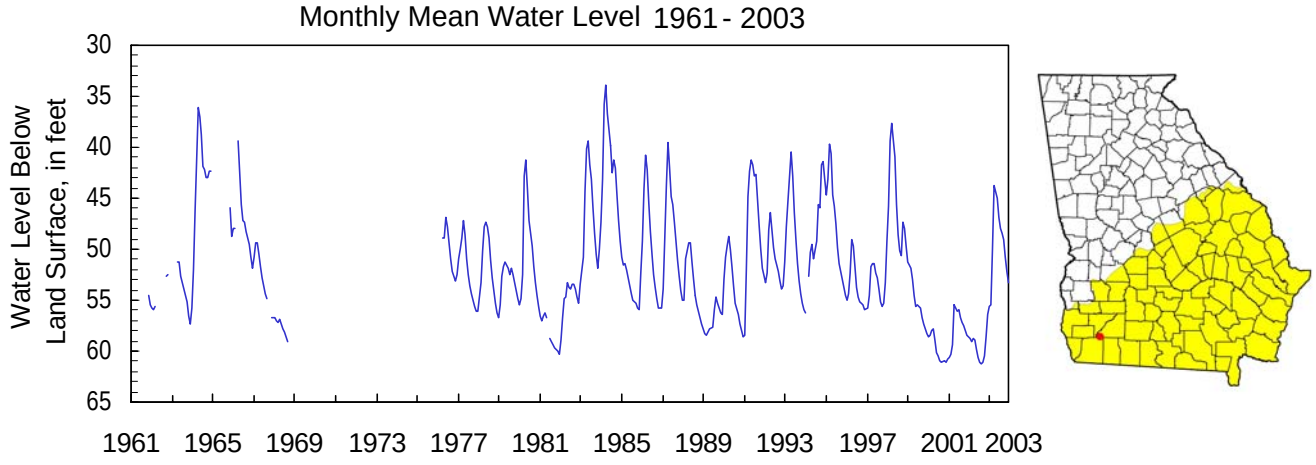
Latitude: 31°05' 07" Longitude: 84°26'22" Mitchell County Period of Record: 1961
Well Depth: 206 feet Datum: 145 feet Well Diameter: 12 inches





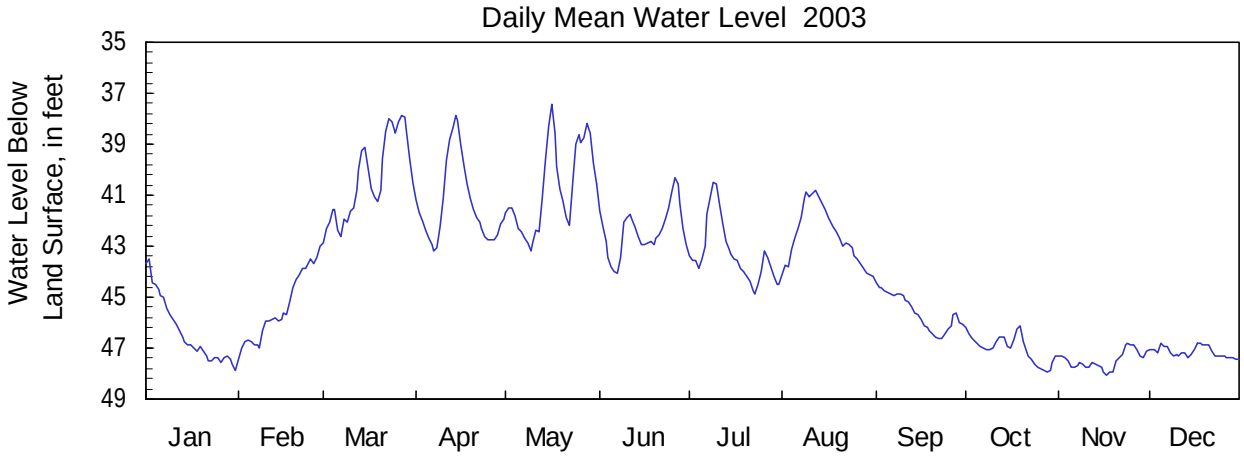
Monthly Water-Level Statistics

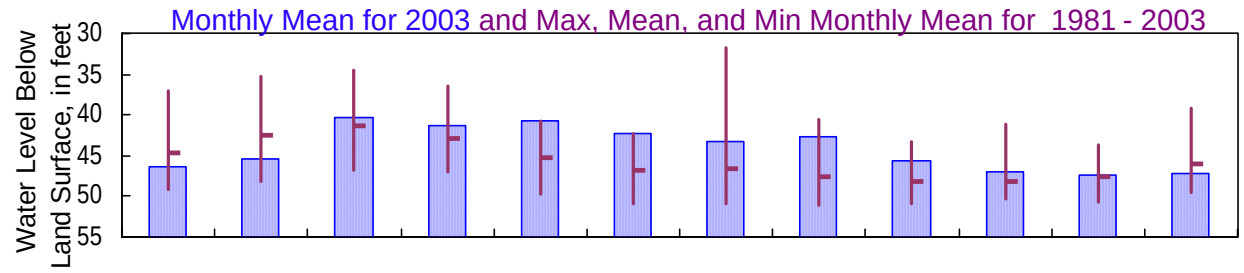
2003												
Max	55.58	55.52	55.10	45.12	46.17	47.56	48.46	48.68	49.96	51.53	52.81	53.82
Mean	55.58	55.41	50.04	43.80	45.07	46.90	47.96	48.41	49.09	50.78	52.19	53.32
Min	55.34	55.28	45.28	43.30	43.74	46.32	47.50	48.16	48.35	50.00	51.56	52.85
1961 - 2003												
Max	60.85	60.50	60.33	59.22	60.27	60.84	61.38	61.48	61.53	61.06	61.09	60.93
Mean	54.00	52.33	49.78	47.71	48.78	49.61	50.88	51.76	52.71	53.21	53.93	54.10
Min	43.89	40.28	33.84	32.98	34.86	37.08	40.63	40.95	41.02	40.38	40.46	41.54



Upper Floridan Aquifer
2003 Calendar Year
311802084192302 Site Name: 11J012

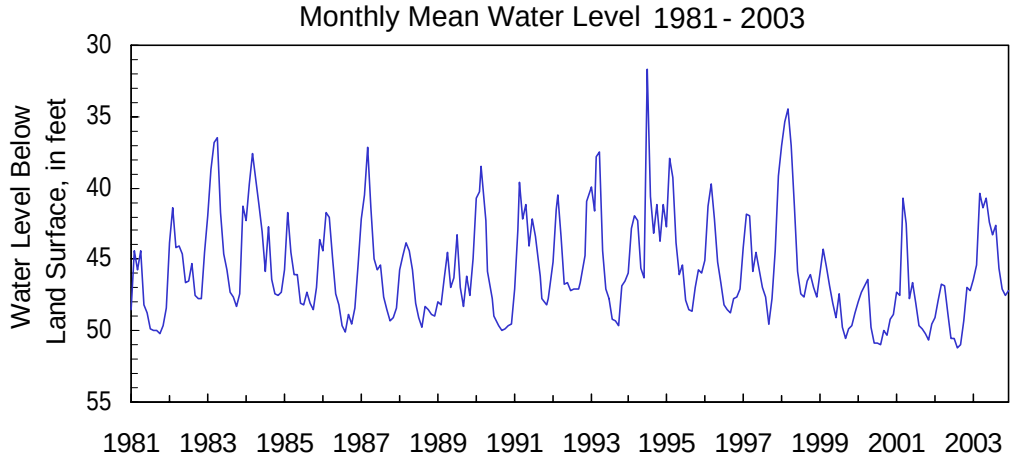
Latitude: 31°18' 02" Longitude: 84°19'23" Mitchell County Period of Record: 1981
Well Depth: 225 feet Datum: 165 feet Well Diameter: 6 inches





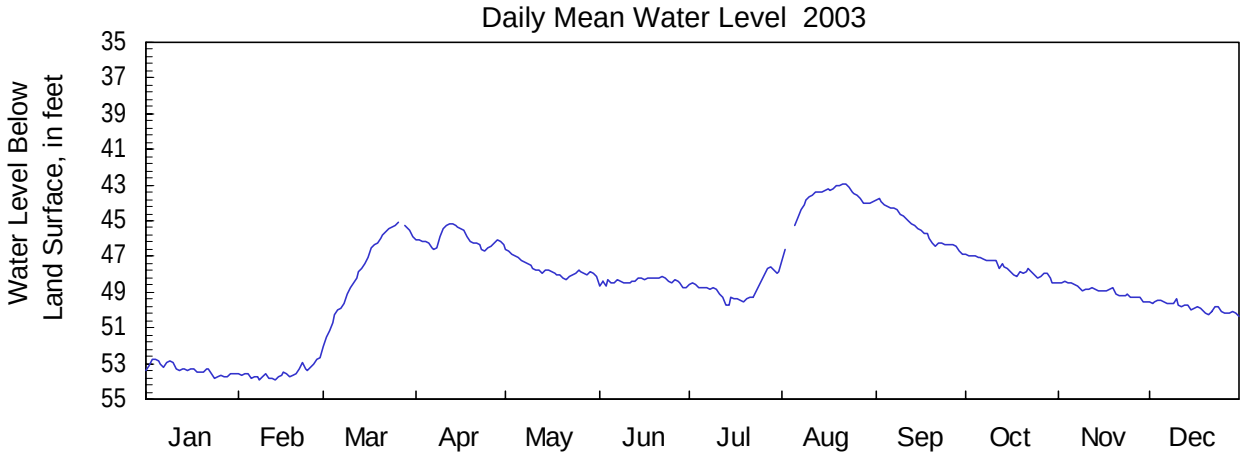
Monthly Water-Level Statistics

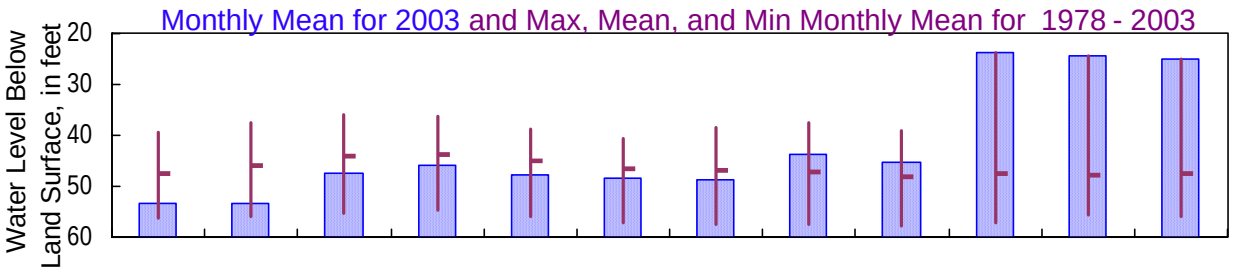
2003												
Max	46.38	47.44	42.90	43.20	43.18	44.05	44.87	44.22	46.64	47.91	48.03	47.42
Mean	46.38	45.42	40.34	41.37	40.69	42.39	43.32	42.60	45.59	47.02	47.47	47.15
Min	43.51	43.01	37.89	37.89	37.44	40.29	40.52	40.84	44.46	46.11	46.84	46.79
1981 - 2003												
Max	49.84	48.98	48.55	48.31	50.75	51.13	51.19	51.85	51.62	50.80	50.86	50.15
Mean	44.66	42.72	41.46	43.01	45.39	46.81	46.60	47.53	48.25	48.09	47.61	46.09
Min	28.87	30.68	26.26	31.39	37.44	40.15	12.01	38.88	41.88	38.71	40.41	29.22



Upper Floridan Aquifer
2003 Calendar Year
312127084065801 Site Name: 13J004

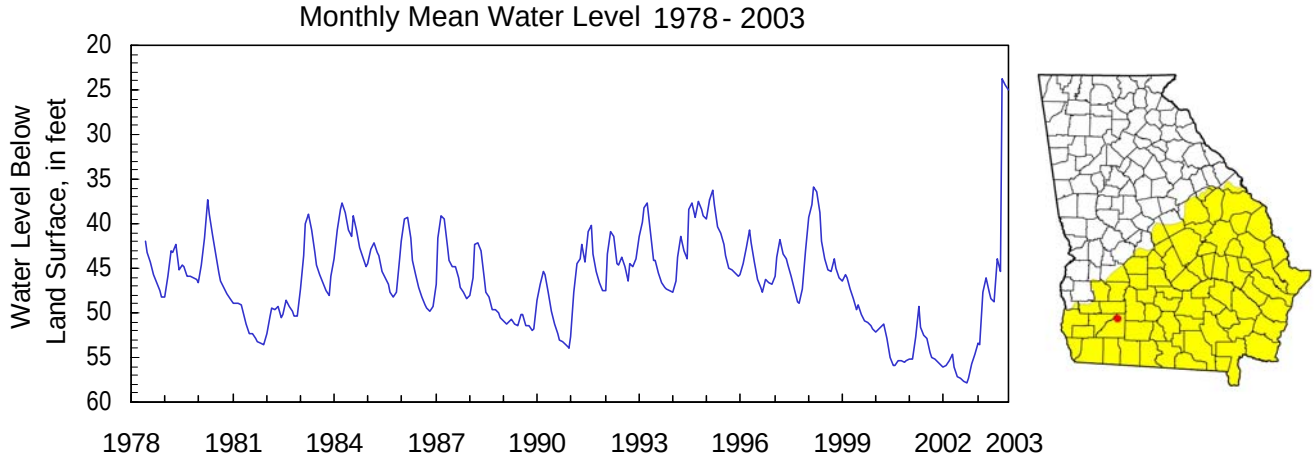
Latitude: 31°21' 29" Longitude: 84°06'57" Mitchell County Period of Record: 1978
Well Depth: 208 feet Datum: 194 feet Well Diameter: 12 inches





Monthly Water-Level Statistics

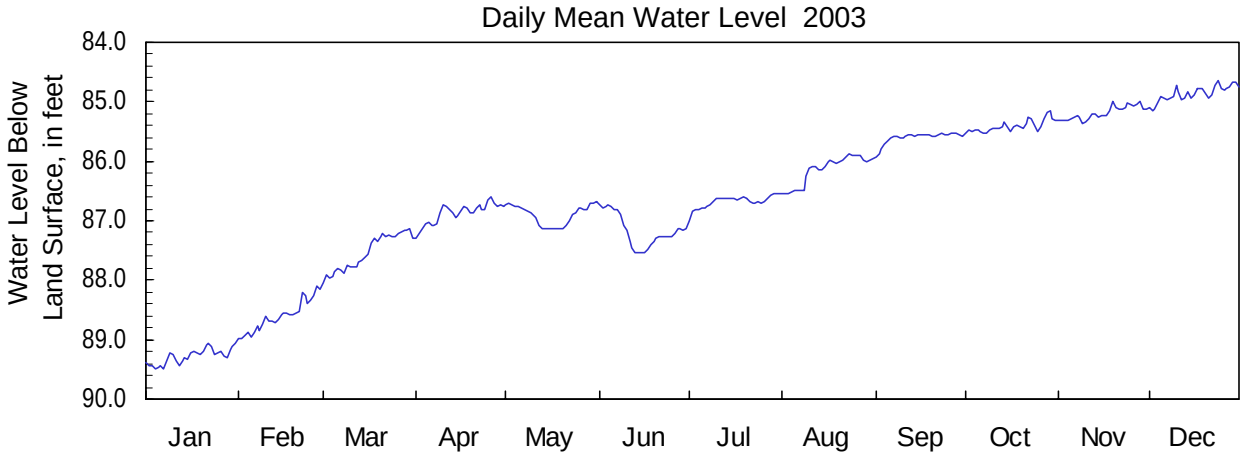
2003												
Max	53.34	53.94	52.09	46.67	48.27	48.75	49.77	47.27	46.85	48.51	49.57	50.33
Mean	53.34	53.52	47.65	46.03	47.69	48.39	48.81	43.86	45.39	23.83	24.47	24.93
Min	52.77	52.66	45.11	45.19	46.57	48.15	47.61	42.97	43.78	0.00	0.00	0.00
1978 - 2003												
Max	56.26	56.22	56.08	55.02	57.38	57.96	57.72	58.01	59.13	57.49	57.31	56.16
Mean	45.98	44.14	43.21	43.61	45.01	46.54	46.80	47.05	48.09	46.56	46.92	46.77
Min	0.00	0.00	0.00	36.07	36.96	38.63	35.80	37.11	38.43	0.00	0.00	0.00

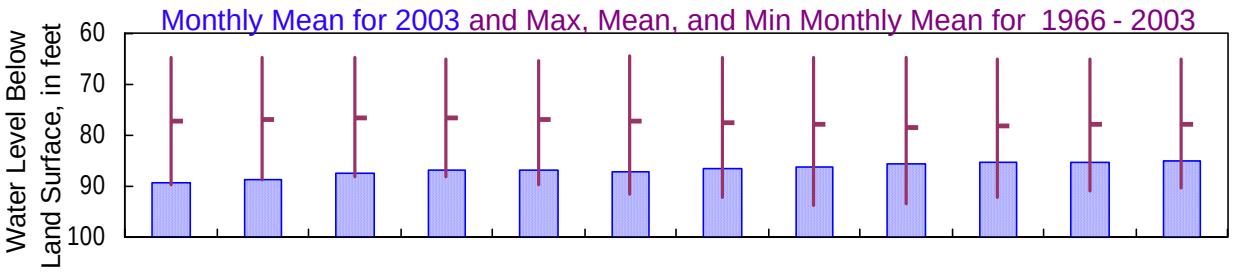


Upper Floridan Aquifer
2003 Calendar Year

320226082301101 **Site Name: 25Q001**

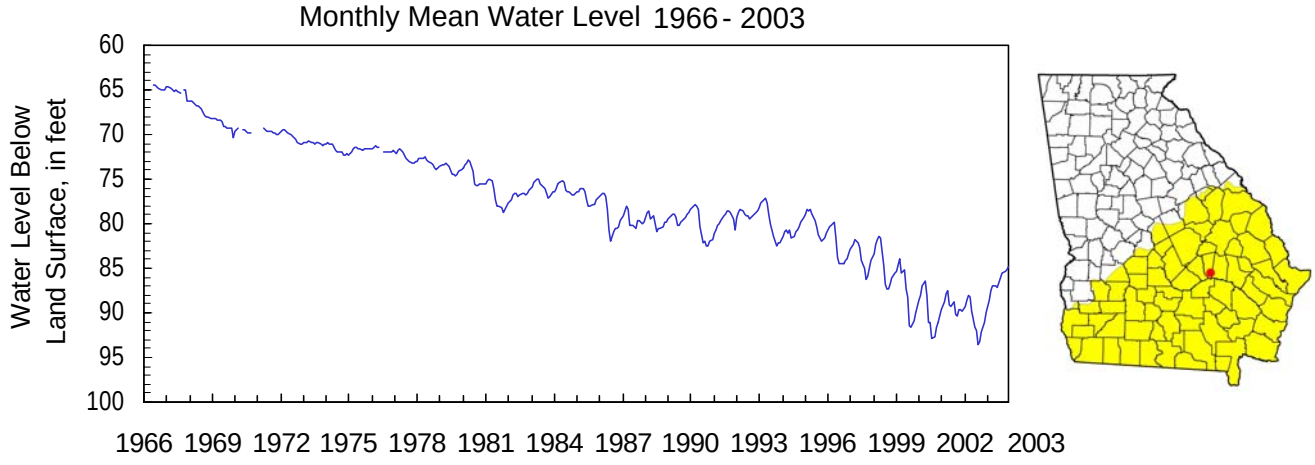
Latitude: 32°02' 25" Longitude: 82°30'05" Montgomery County Period of Record: 1966
Well Depth: 536 feet Datum: 189 feet Well Diameter: 6 inches





Monthly Water-Level Statistics

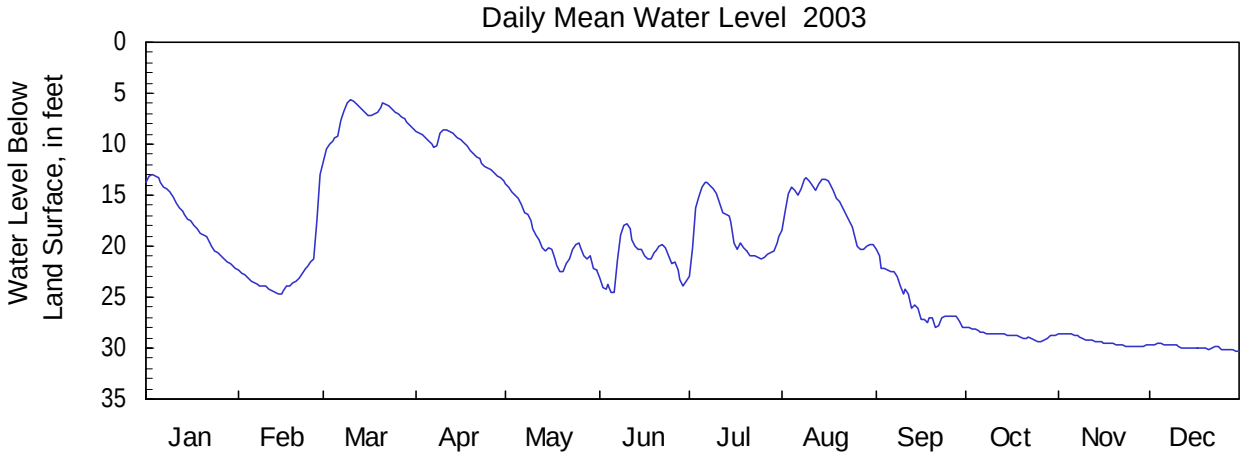
2003												
Max	89.28	88.98	88.05	87.29	87.14	87.55	87.00	86.55	85.93	85.53	85.36	85.14
Mean	89.28	88.61	87.53	86.88	86.91	87.17	86.68	86.14	85.60	85.41	85.19	84.86
Min	89.06	88.10	87.14	86.61	86.67	86.73	86.55	85.89	85.54	85.16	84.98	84.65
1966 - 2003												
Max	90.02	89.02	88.53	89.08	90.85	92.13	92.41	94.41	93.88	92.68	91.59	90.97
Mean	77.50	77.08	76.65	76.77	76.77	77.40	77.80	77.93	78.31	78.54	78.28	78.12
Min	64.44	64.58	64.61	64.84	64.97	64.13	64.32	64.50	64.70	64.73	64.70	64.77

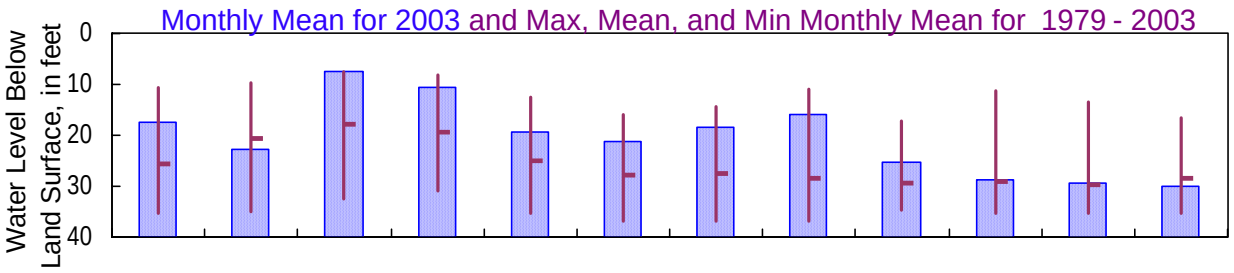


Upper Floridan Aquifer
2003 Calendar Year

305356084534601 **Site Name: 06F001**

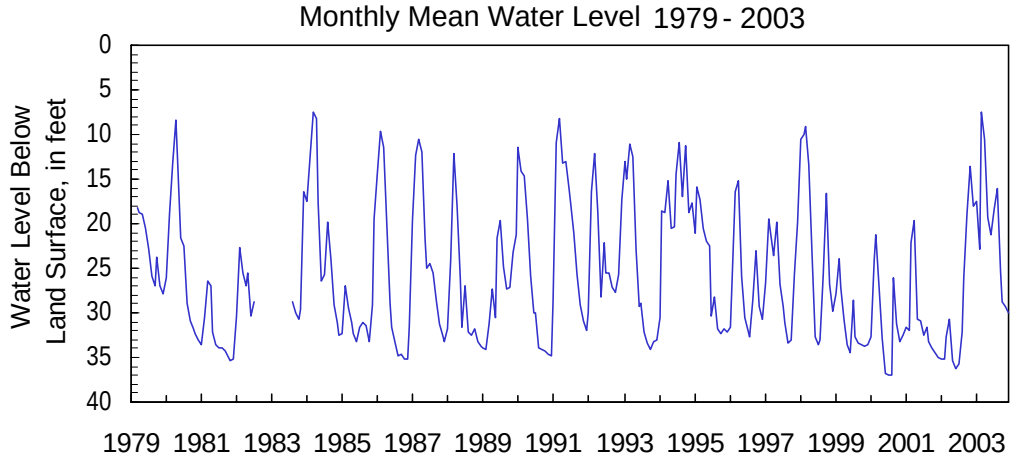
Latitude: 30°53' 49" Longitude: 84°53'55" Seminole County Period of Record: 1979
Well Depth: 98.5 feet Datum: 110 feet Well Diameter: 4 inches

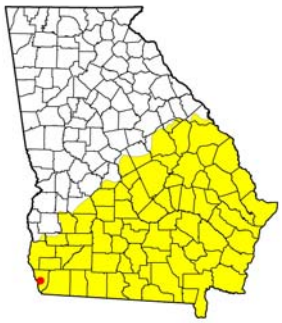




Monthly Water-Level Statistics

2003												
Max	17.45	24.62	11.71	13.58	22.46	24.53	22.95	20.33	27.97	29.40	29.92	30.38
Mean	17.45	22.81	7.44	10.47	19.24	21.34	18.41	16.08	25.33	28.71	29.33	29.93
Min	13.01	13.01	5.62	8.57	13.87	17.89	13.70	13.35	20.32	28.03	28.55	29.57
1979 - 2003												
Max	35.23	35.22	35.11	33.55	36.60	37.61	37.88	37.25	35.39	35.65	35.48	35.53
Mean	25.62	20.67	17.70	19.52	24.97	27.72	27.64	28.28	29.33	29.03	29.58	28.48
Min	7.09	4.92	4.13	6.86	9.33	11.67	10.34	6.88	10.24	8.67	9.67	11.13

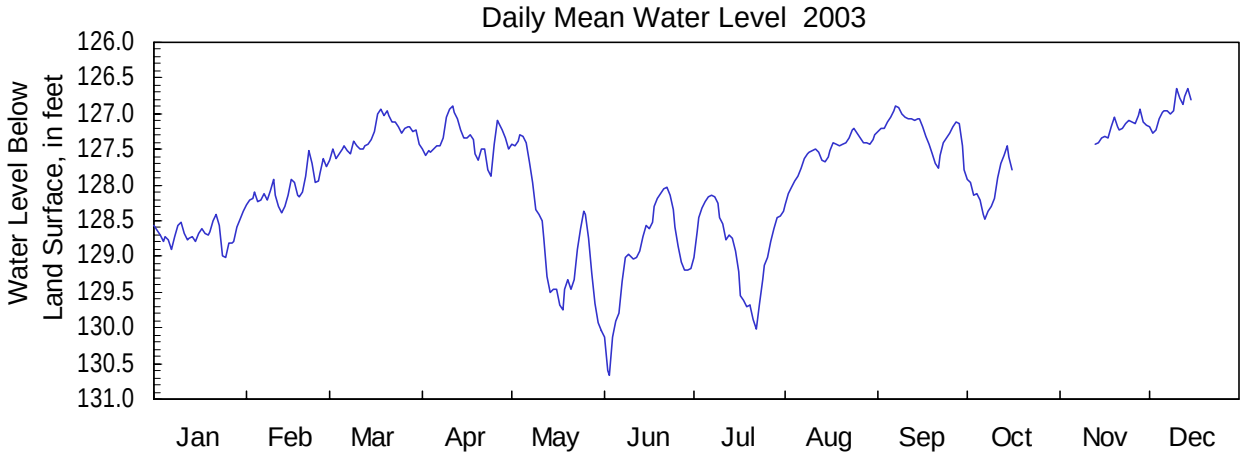


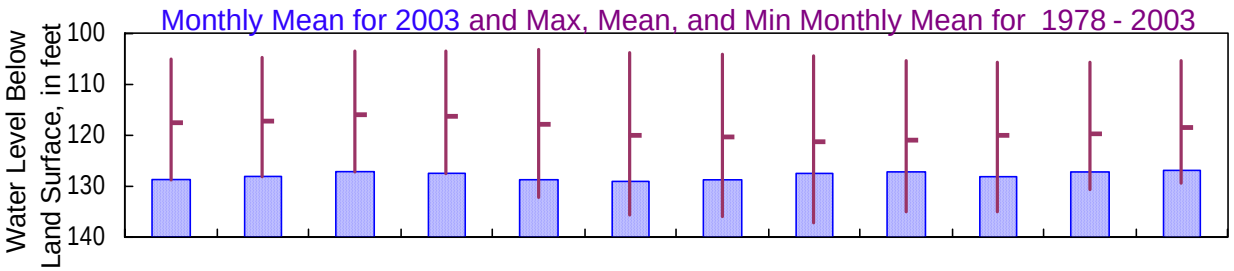


Upper Floridan Aquifer
2003 Calendar Year

312712082593301 **Site Name: 18K049**

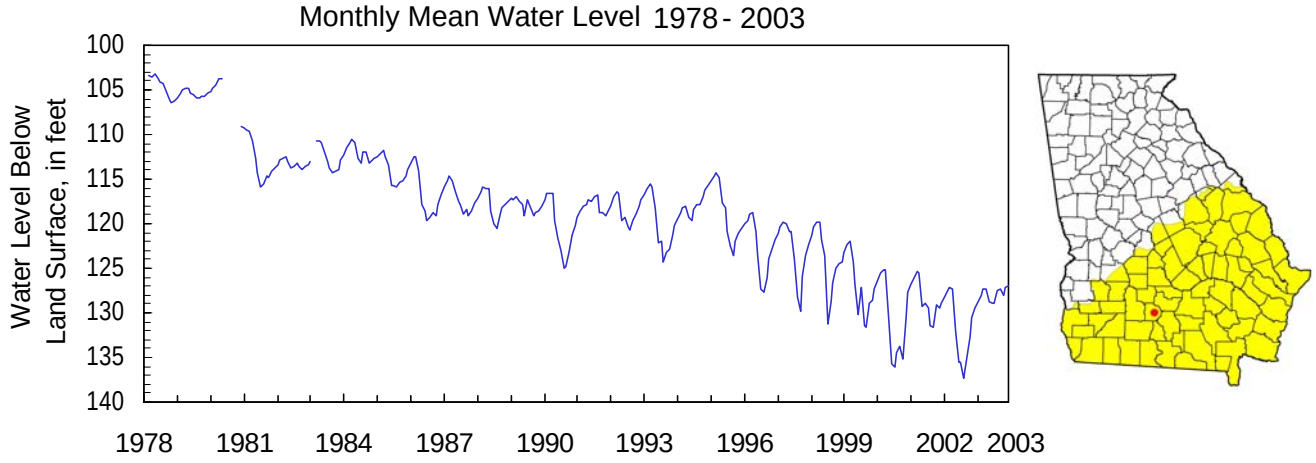
Latitude: 31°27' 12" Longitude: 83°29'33" Tift County Period of Record: 1978
Well Depth: 620 feet Datum: 329 feet Well Diameter: 6 inches





Monthly Water-Level Statistics

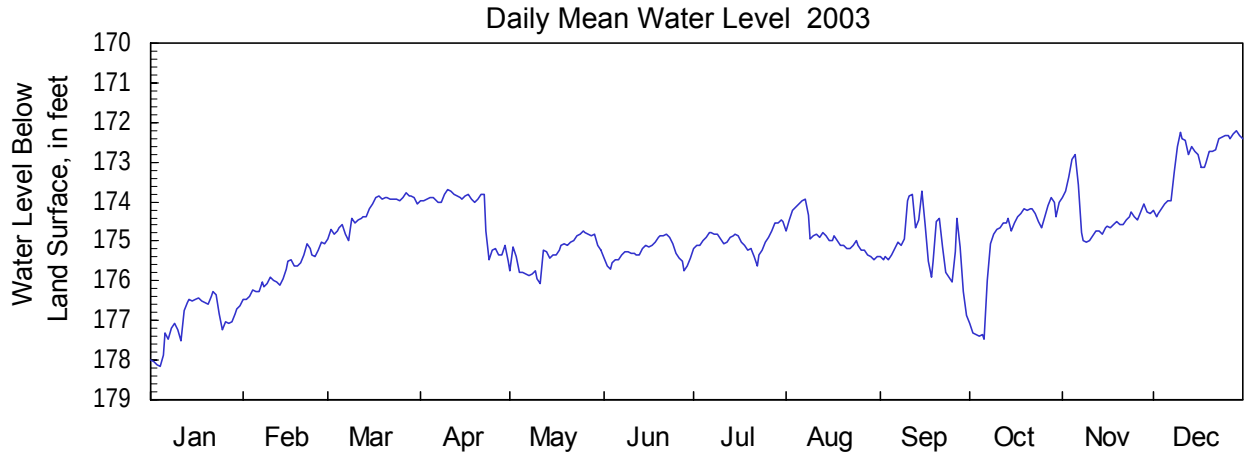
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2003												
Max	128.68	128.38	127.65	127.87	130.05	130.67	130.03	128.27	127.79	128.47	127.43	127.27
Mean	128.68	128.05	127.32	127.37	128.73	129.01	128.87	127.55	127.24	128.01	127.19	126.94
Min	128.37	127.51	126.95	126.89	127.30	128.02	128.14	127.21	126.90	127.45	126.94	126.64
1978 - 2003												
Max	129.01	128.38	127.65	128.80	135.54	137.20	138.12	139.11	136.71	135.70	135.63	130.00
Mean	117.74	117.28	116.74	116.42	118.00	119.22	119.71	120.91	120.51	119.87	119.55	118.54
Min	104.83	104.45	103.24	103.22	102.70	103.25	103.90	104.03	104.55	105.43	105.27	104.87

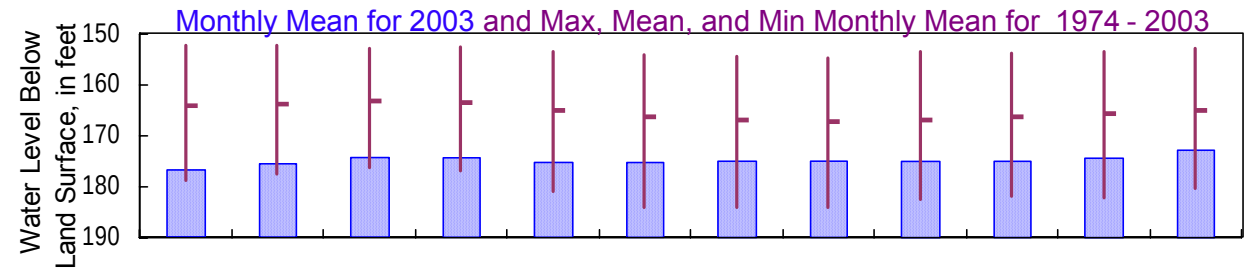


Upper Floridan Aquifer
2003 Calendar Year

321302082243601 **Site Name: 26R001**

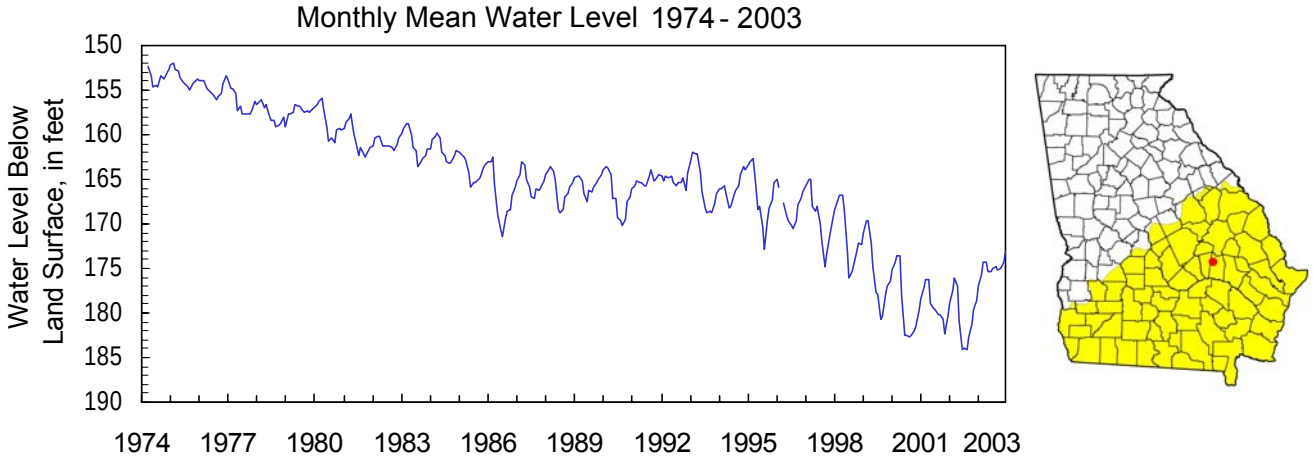
Latitude: 32°13' 02" Longitude: 82°24'36" Toombs County Period of Record: 1974
Well Depth: 1,000 feet Datum: 286 feet Well Diameter: 12 inches





Monthly Water-Level Statistics

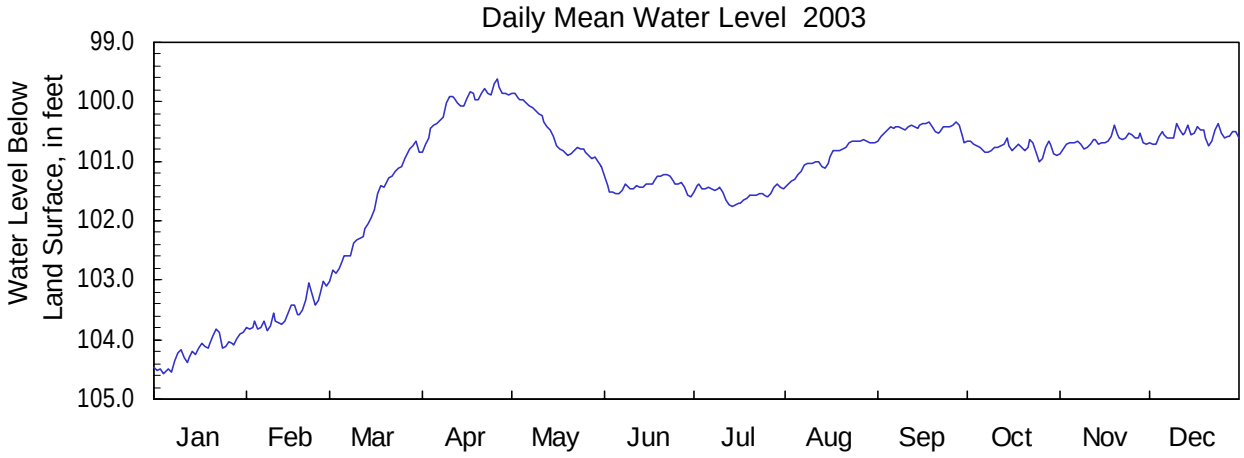
2003												
Max	177.00	176.46	174.98	175.50	176.06	175.73	175.64	175.47	176.88	177.49	175.04	174.38
Mean	177.00	175.76	174.25	174.26	175.30	175.28	174.96	174.86	175.10	175.02	174.34	172.95
Min	176.28	175.02	173.77	173.70	174.74	174.80	174.44	173.95	173.73	173.89	172.80	172.23
1974 - 2003												
Max	180.13	178.37	177.99	178.27	182.75	185.52	184.83	184.95	184.59	182.51	182.80	181.81
Mean	164.14	163.83	163.44	163.80	165.22	165.82	166.56	166.99	166.78	166.35	165.73	164.53
Min	151.72	151.35	151.67	151.64	152.43	153.67	152.92	153.10	153.13	153.26	152.28	152.25

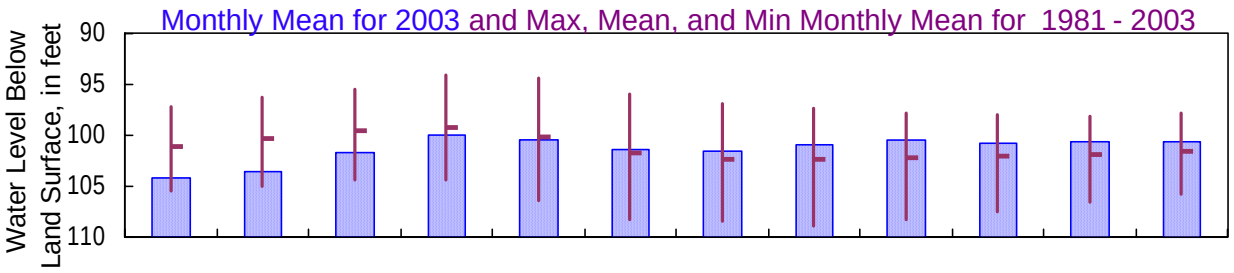


Upper Floridan Aquifer
2003 Calendar Year

310706082155101 **Site Name: 27G003**

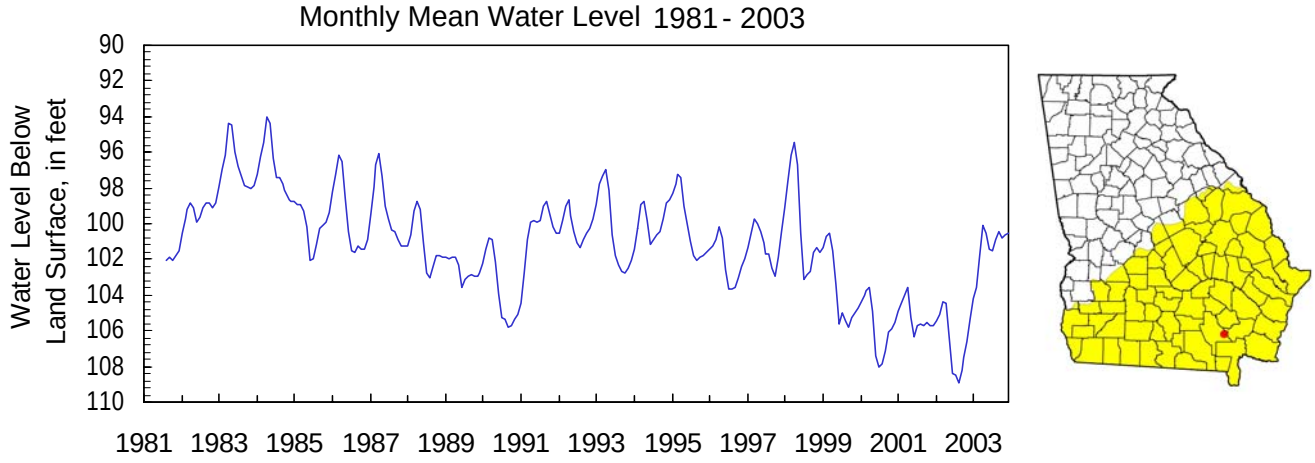
Latitude: 31°07' 06" Longitude: 82°15'56" Ware County Period of Record: 1981
Well Depth: 1,856 feet Datum: 149 feet Well Diameter: 14 inches





Monthly Water-Level Statistics

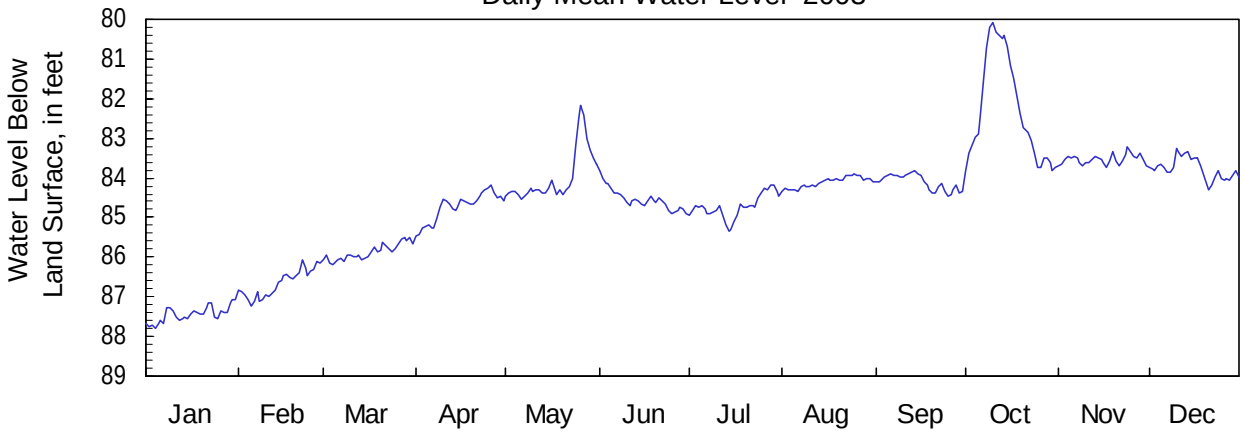
2003												
Max	104.20	103.84	103.03	100.84	101.09	101.59	101.75	101.43	100.67	101.02	100.87	100.74
Mean	104.20	103.54	101.79	100.05	100.52	101.40	101.54	100.93	100.45	100.77	100.66	100.55
Min	103.83	103.02	100.67	99.62	99.86	101.23	101.39	100.63	100.33	100.60	100.39	100.35
1981 - 2003												
Max	105.74	105.34	105.10	104.93	107.43	108.87	108.71	109.31	108.67	107.84	107.19	105.97
Mean	101.16	100.38	99.62	99.25	100.11	101.72	102.28	102.28	102.18	102.17	101.94	101.59
Min	96.96	95.87	94.30	93.67	93.63	95.14	96.38	97.08	97.53	97.78	97.85	97.46



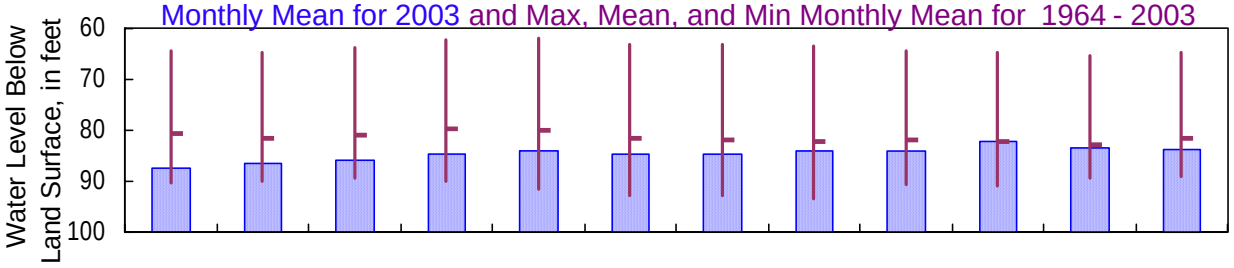
Upper Floridan Aquifer
2003 Calendar Year
313701081543501 Site Name: 30L003

Latitude: 31°37' 01" Longitude: 81°54'34" Wayne County Period of Record: 1964
Well Depth: 594 feet Datum: 105 feet Well Diameter: 4 inches

Daily Mean Water Level 2003



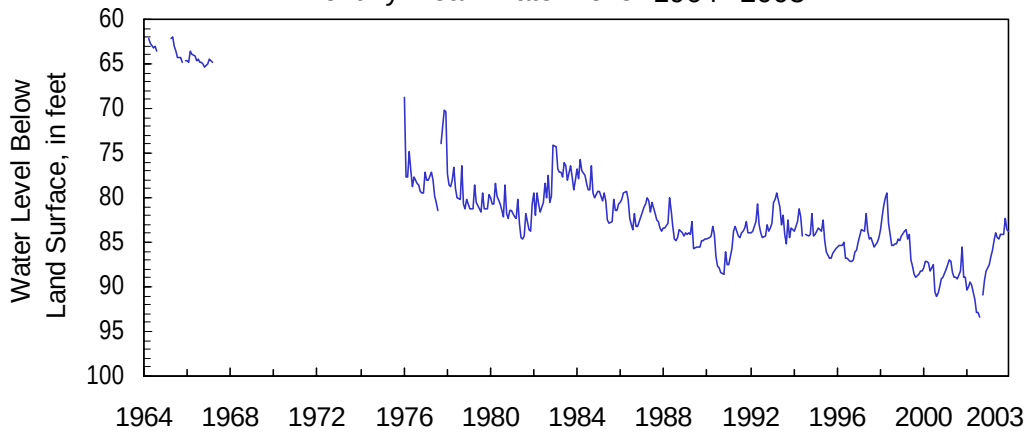
Monthly Mean for 2003 and Max, Mean, and Min Monthly Mean for 1964 - 2003



Monthly Water-Level Statistics

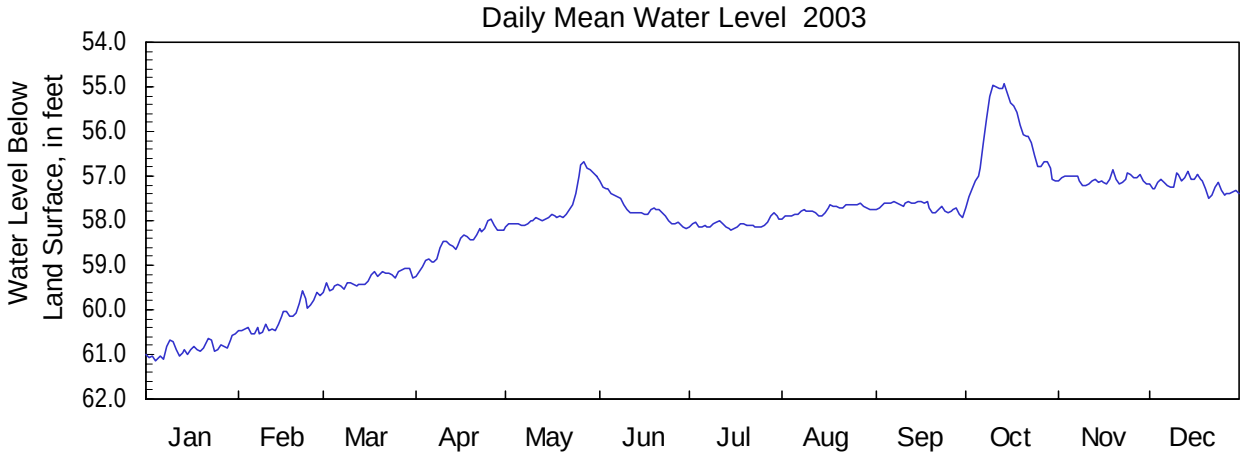
2003												
Max	87.44	87.22	86.19	85.45	84.54	84.91	85.34	84.34	84.46	83.82	83.74	84.32
Mean	87.44	86.66	85.87	84.73	83.98	84.54	84.73	84.11	84.11	82.29	83.53	83.77
Min	87.06	86.07	85.51	84.19	82.16	83.81	84.16	83.89	83.83	80.07	83.20	83.26
1964 - 2003												
Max	90.46	90.38	89.89	90.28	92.37	93.34	93.07	94.00	90.96	91.10	91.23	89.56
Mean	81.98	82.00	81.85	81.28	81.42	83.03	83.50	83.81	82.93	83.18	83.23	82.61
Min	63.05	64.17	61.56	60.88	59.77	62.45	62.05	63.49	63.86	0.01	65.32	63.42

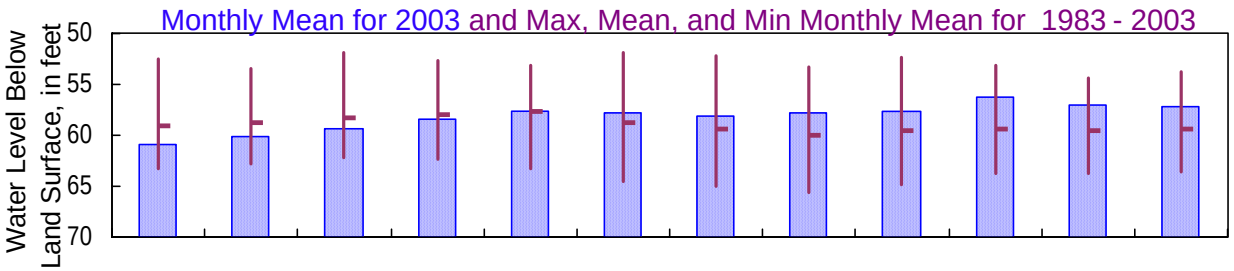
Monthly Mean Water Level 1964 - 2003



Upper Floridan Aquifer
2003 Calendar Year
313253081433502 Site Name: 32L015

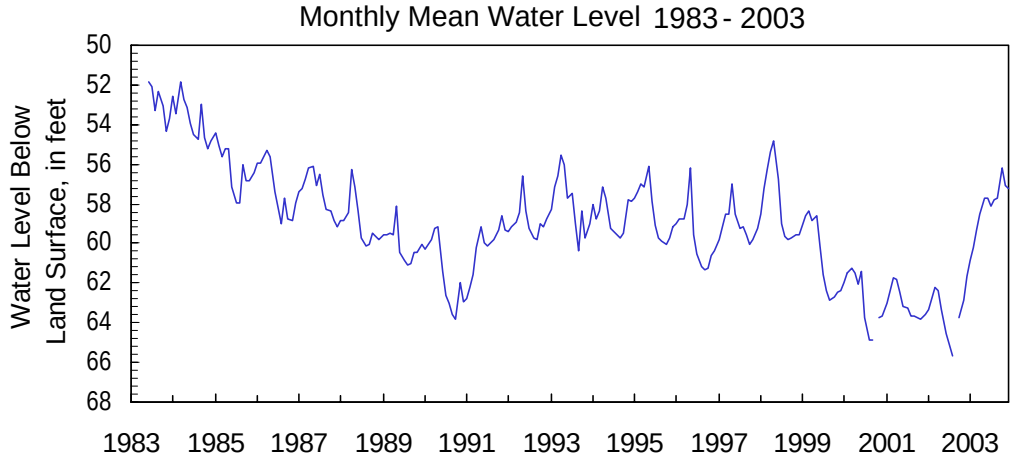
Latitude: 31°32' 52" Longitude: 81°43'36" Wayne County Period of Record: 1983
Well Depth: 750 feet Datum: 73 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

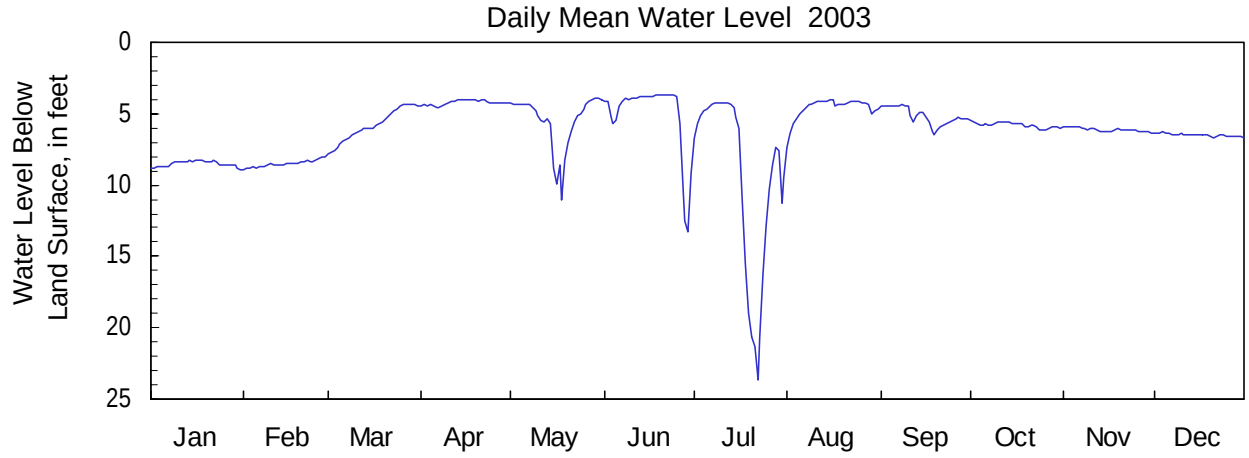
2003												
Max	60.87	60.55	59.59	59.26	58.14	58.19	58.21	57.95	57.93	57.72	57.22	57.49
Mean	60.87	60.18	59.32	58.51	57.70	57.74	58.08	57.76	57.69	56.19	57.07	57.20
Min	60.55	59.59	59.07	57.95	56.69	57.12	57.82	57.62	57.56	54.94	56.87	56.89
1983 - 2003												
Max	63.67	63.30	62.68	62.57	63.87	64.92	65.47	65.77	64.97	64.12	64.14	64.03
Mean	59.05	58.80	58.32	57.90	57.61	58.86	59.43	59.81	59.67	59.43	59.49	59.37
Min	50.62	53.15	49.12	52.12	52.71	51.75	51.81	52.46	50.33	52.60	53.99	50.57

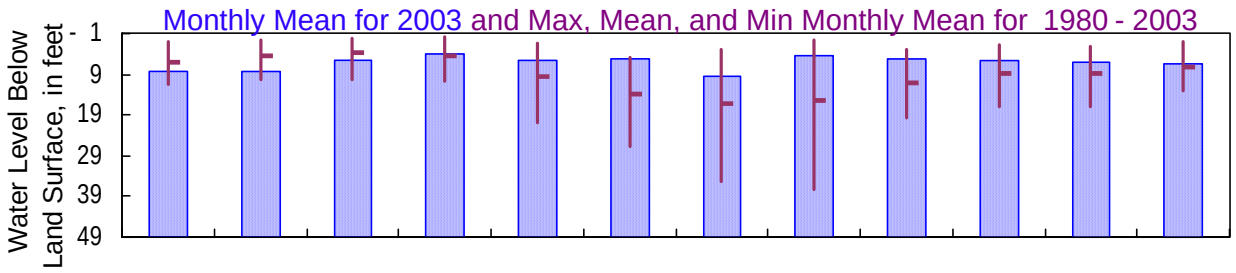


Upper Floridan Aquifer
2003 Calendar Year

314330084005402 **Site Name: 13M006**

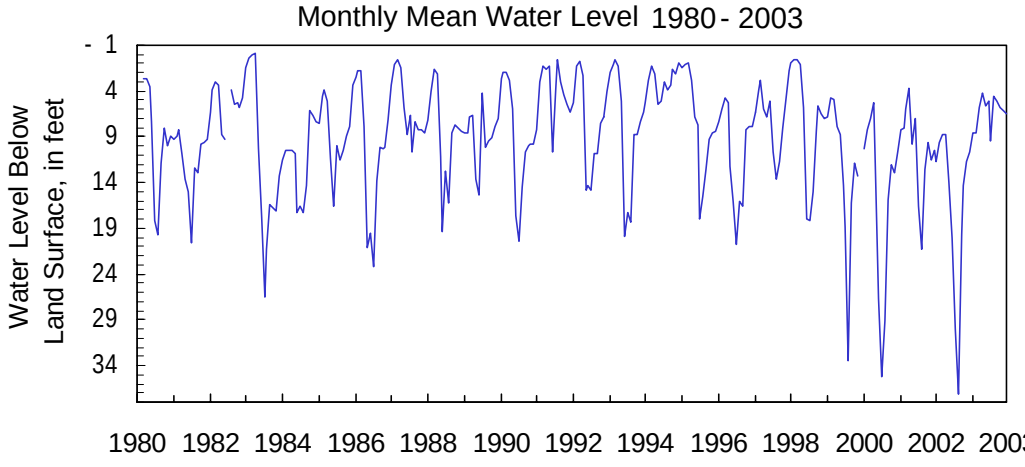
Latitude: 31°43'30" Longitude: 84°00'51" Worth County Period of Record: 1980
Well Depth: 123 feet Datum: 237 feet Well Diameter: 4 inches





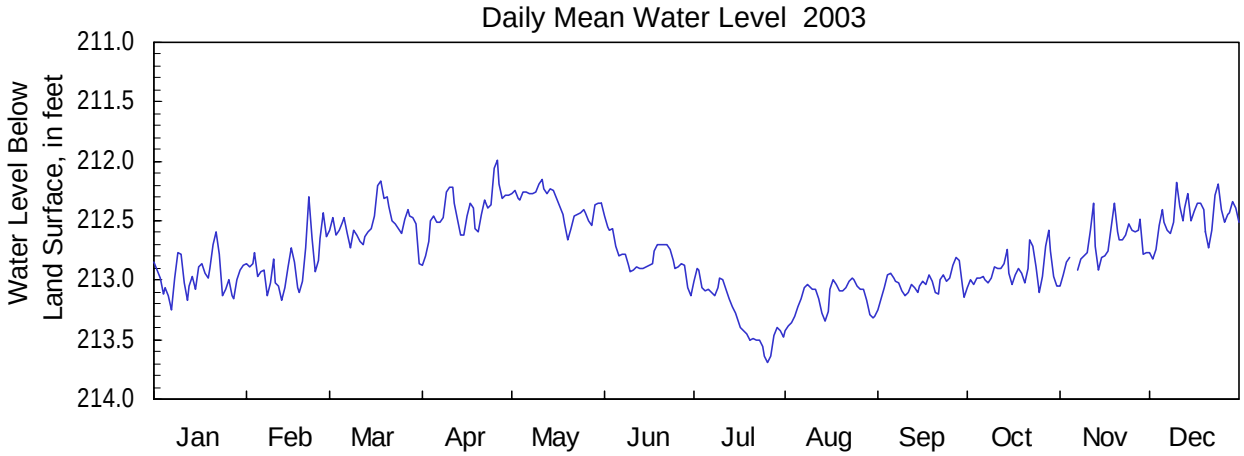
Monthly Water-Level Statistics

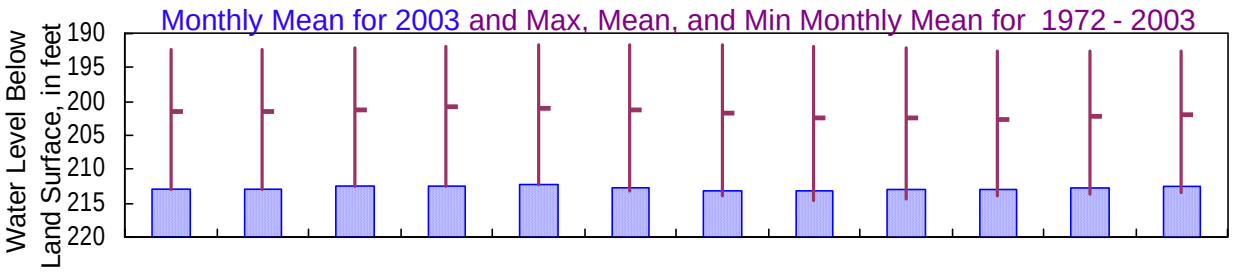
2003												
Max	8.52	8.88	7.84	4.61	11.07	13.25	23.62	7.36	6.46	6.18	6.31	6.70
Mean	8.52	8.50	5.82	4.23	5.54	5.08	9.44	4.59	5.17	5.80	6.13	6.49
Min	8.25	7.99	4.30	3.98	3.94	3.69	4.23	4.04	4.40	5.41	5.92	6.30
1980 - 2003												
Max	13.39	12.63	12.51	18.97	26.01	38.46	44.18	43.32	32.48	17.62	17.47	15.94
Mean	6.17	4.77	3.72	4.40	9.37	13.94	16.17	15.34	10.93	8.63	8.61	7.33
Min	0.61	-0.10	-0.47	-0.49	0.70	1.10	0.27	0.25	1.53	1.16	1.56	0.56



Upper Floridan Aquifer
2003 Calendar Year
313146083491601 Site Name: 15L020

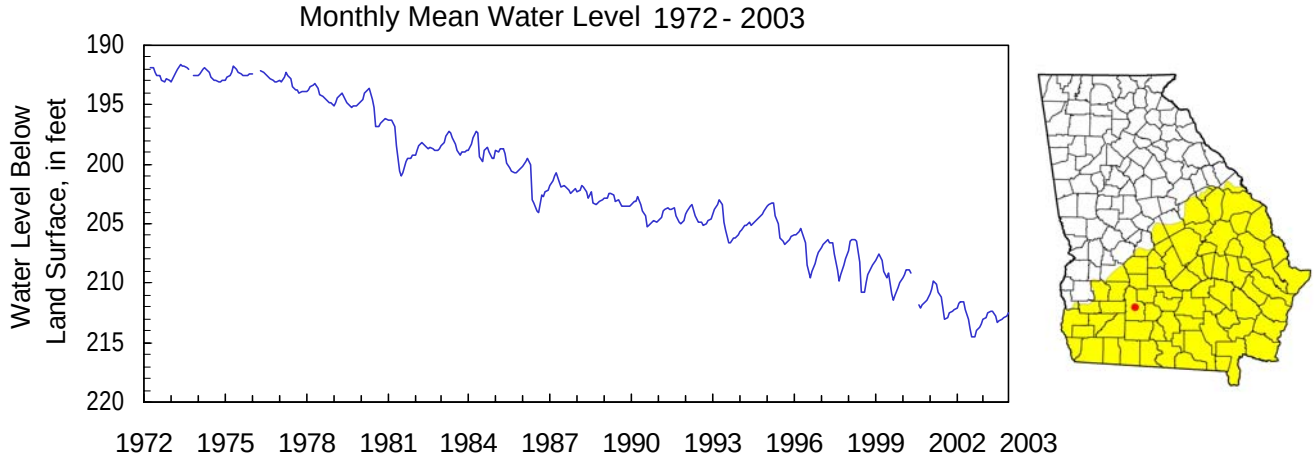
Latitude: 31°31' 46" Longitude: 83°49'16" Worth County Period of Record: 1972
Well Depth: 450 feet Datum: 419 feet Well Diameter: 18 inches





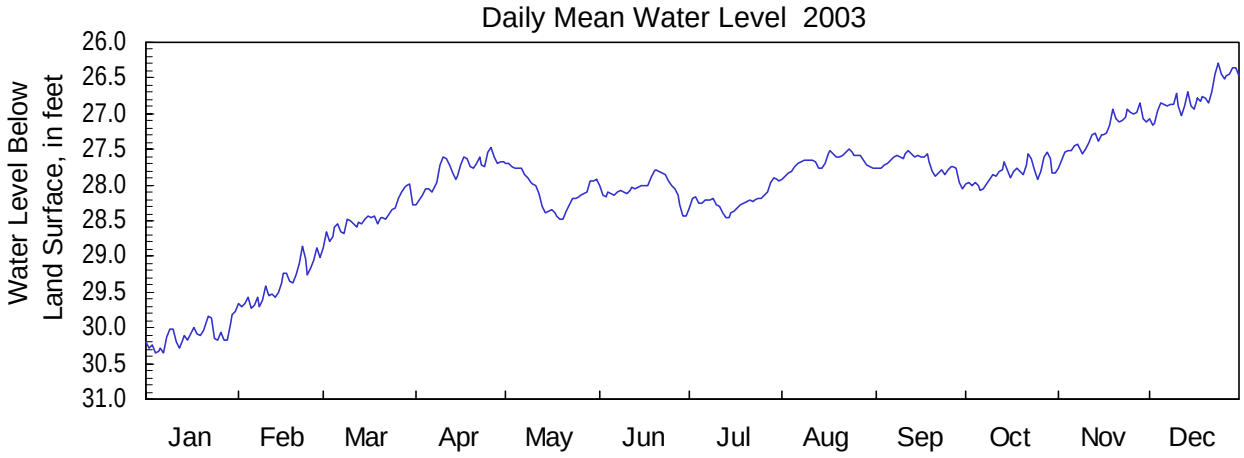
Monthly Water-Level Statistics

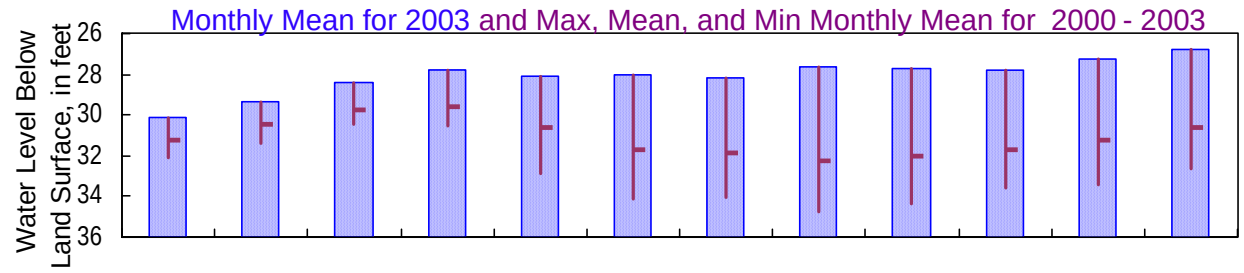
2003												
Max	212.97	213.17	212.86	212.88	212.66	213.12	213.69	213.42	213.26	213.10	213.04	212.82
Mean	212.97	212.87	212.52	212.42	212.35	212.80	213.29	213.16	213.03	212.92	212.70	212.47
Min	212.60	212.30	212.17	211.99	212.15	212.46	212.90	212.99	212.81	212.58	212.35	212.17
1972 - 2003												
Max	213.25	213.17	212.86	212.88	212.73	213.80	214.25	214.94	214.90	214.26	213.96	213.77
Mean	202.01	201.73	201.20	201.00	200.79	201.27	202.00	202.32	202.63	202.63	202.27	202.01
Min	192.26	191.98	191.50	191.61	191.50	191.38	191.70	191.70	191.90	192.24	192.38	192.11



Lower Floridan Aquifer
2003 Calendar Year
315443081185901 Site Name: 35P109

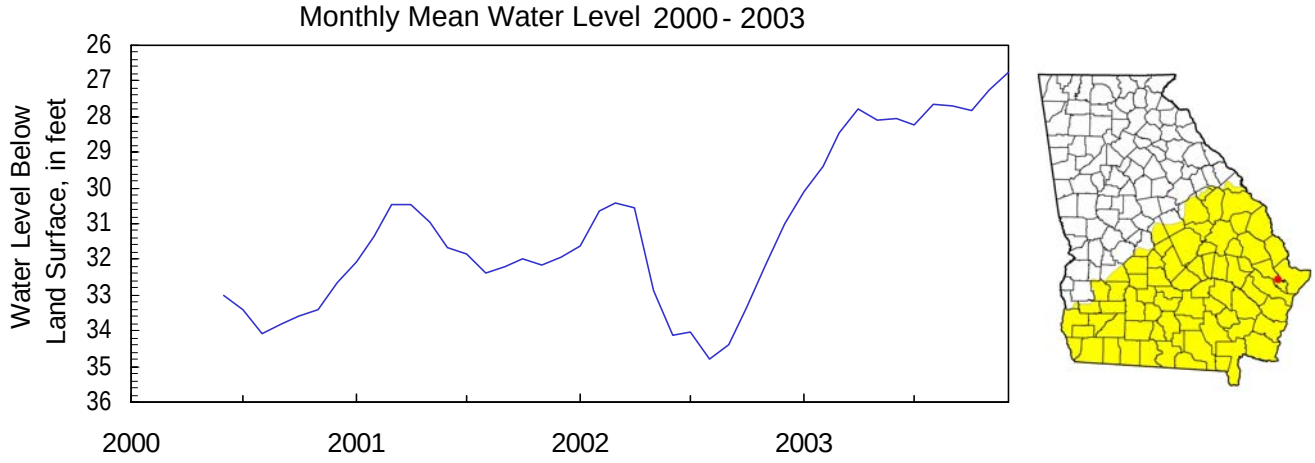
Latitude: 31°54' 43" Longitude: 81°18'59" Bryan County Period of Record: 2000
Well Depth: 1,275 feet Datum: 10 feet Well Diameter: 8 inches





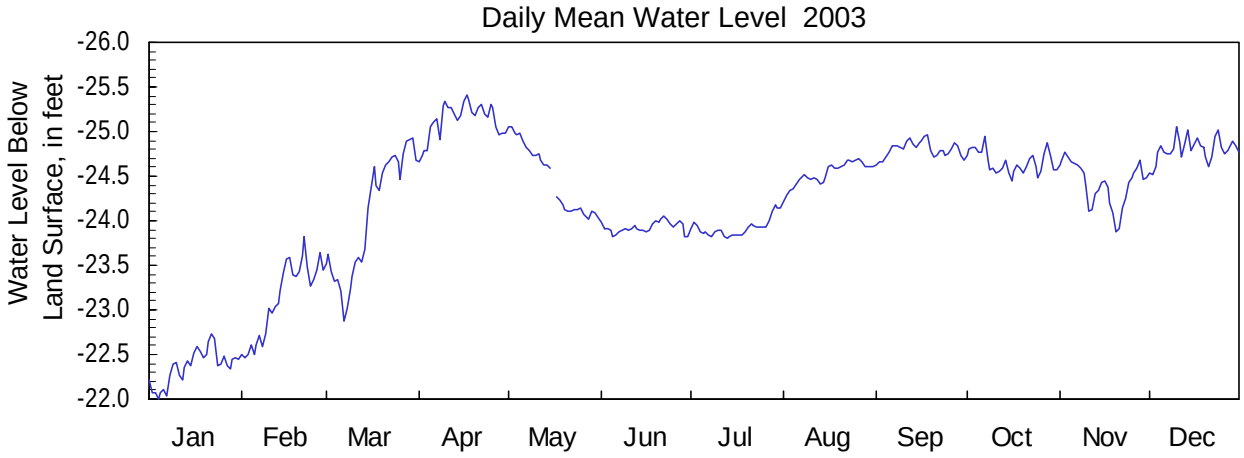
Monthly Water-Level Statistics

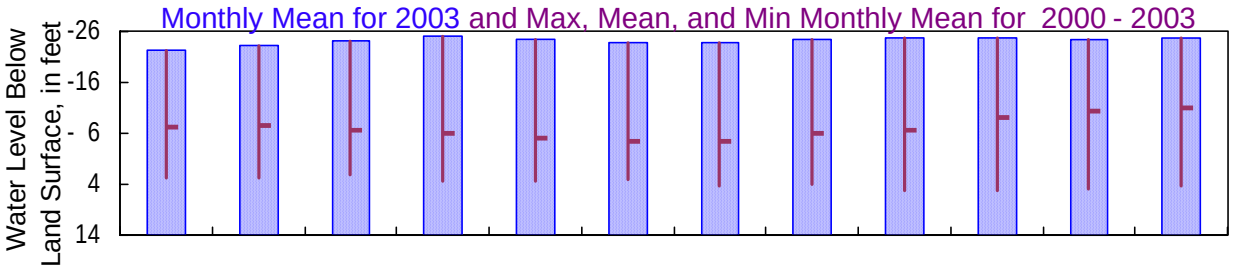
2003												
Max	30.11	29.72	28.88	28.28	28.47	28.43	28.46	27.91	28.06	28.07	27.76	27.15
Mean	30.11	29.38	28.45	27.80	28.09	28.05	28.22	27.67	27.71	27.83	27.27	26.75
Min	29.77	28.85	27.99	27.47	27.69	27.79	27.89	27.51	27.51	27.54	26.86	26.29
2000 - 2003												
Max	32.59	31.72	30.79	31.21	33.54	34.59	34.46	35.06	34.82	33.99	33.68	33.10
Mean	30.36	30.45	29.50	29.62	30.50	31.53	31.89	32.22	31.89	31.61	31.25	30.60
Min	26.25	28.85	27.99	27.47	27.69	27.79	27.89	27.51	27.51	27.54	26.86	26.29



Lower Floridan Aquifer
2003 Calendar Year
304406081330504 Site Name: 33D073

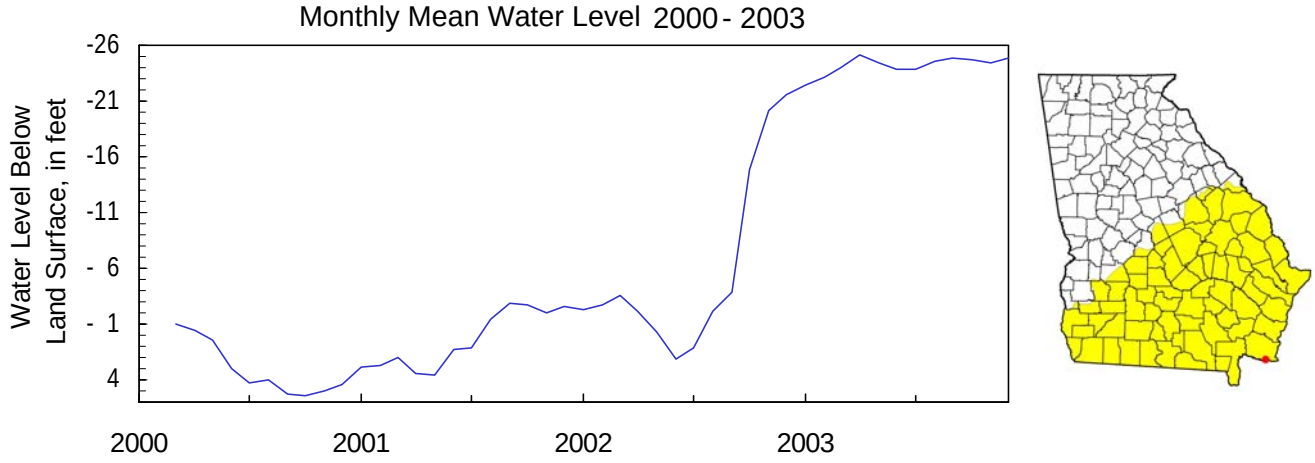
Latitude: 30°44' 06" Longitude: 81°33'05" Camden County Period of Record: 2000
Well Depth: 1,500 feet Datum: 9 feet Well Diameter: 8 inches





Monthly Water-Level Statistics

2003												
Max	-22.36	-22.46	-22.87	-24.66	-24.02	-23.82	-23.81	-24.21	-24.63	-24.45	-23.87	-24.53
Mean	-22.36	-23.12	-24.05	-25.13	-24.47	-23.92	-23.92	-24.53	-24.80	-24.65	-24.42	-24.80
Min	-22.74	-23.82	-24.94	-25.41	-25.06	-24.05	-24.17	-24.71	-24.96	-24.94	-24.77	-25.05
2000 - 2003												
Max	5.24	3.69	4.36	4.54	4.69	4.32	4.80	4.55	6.87	5.97	6.08	5.63
Mean	-10.10	-7.71	-6.68	-6.08	-5.04	-4.40	-4.72	-6.21	-6.56	-9.23	-10.39	-11.12
Min	-25.12	-23.82	-24.94	-25.41	-25.06	-24.05	-24.17	-24.71	-24.96	-24.94	-24.77	-25.05



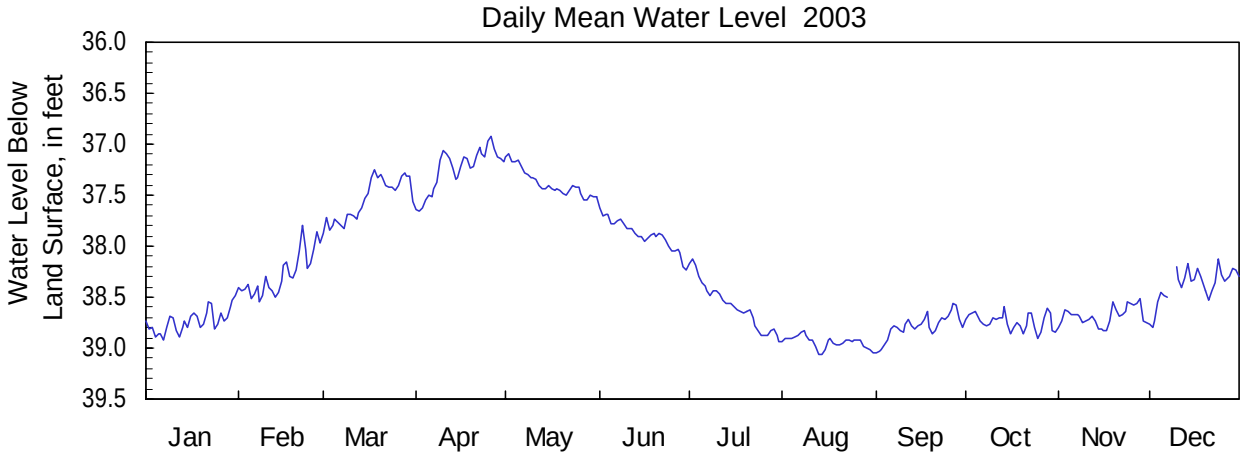
Lower Floridan Aquifer

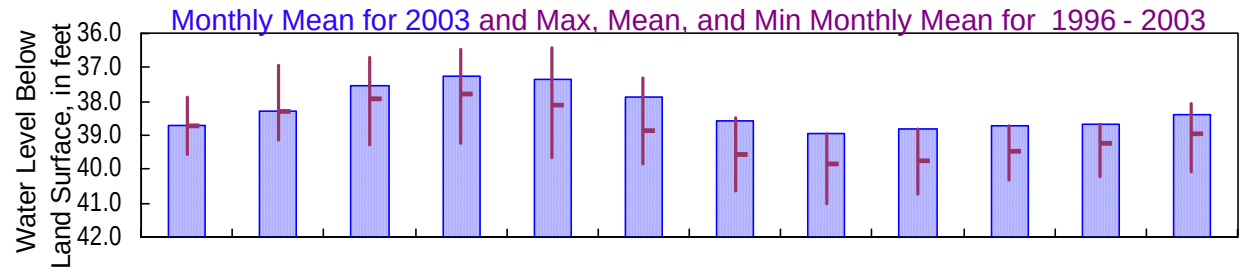
2003 Calendar Year

320127080511201 **Site Name: 39Q024**

Latitude: 32°01' 27" Longitude: 80°51'12" Chatham County Period of Record: 1996

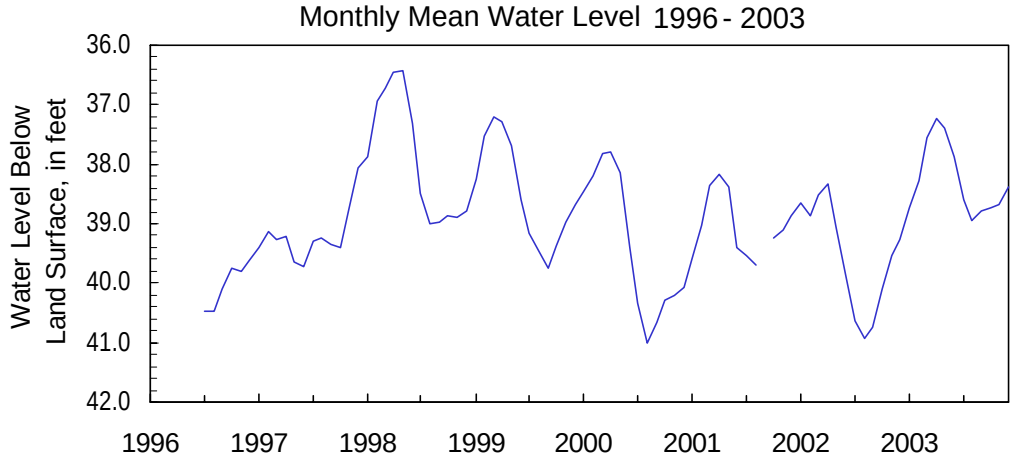
Well Depth: 888 feet Datum: 9 feet Well Diameter: 4 inches

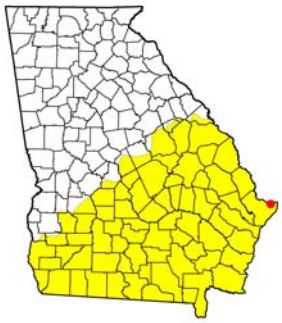




Monthly Water-Level Statistics

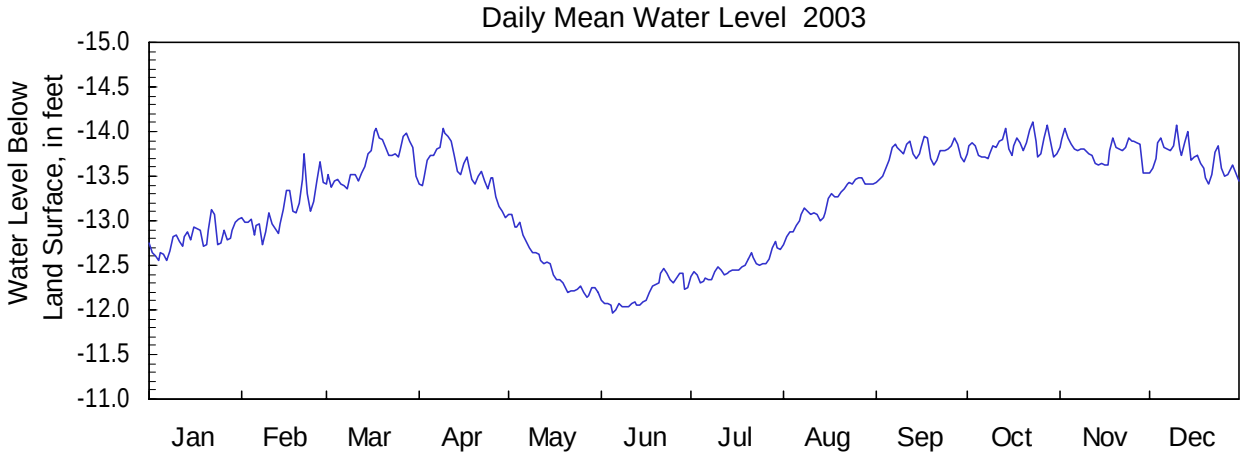
2003												
Max	38.73	38.55	37.88	37.65	37.55	38.23	38.93	39.06	39.04	38.91	38.82	38.79
Mean	38.73	38.28	37.55	37.24	37.38	37.88	38.59	38.94	38.79	38.74	38.68	38.38
Min	38.49	37.80	37.26	36.92	37.10	37.62	38.13	38.83	38.56	38.59	38.51	38.13
1996 - 2003												
Max	40.05	39.59	39.44	39.39	39.89	40.43	40.93	41.17	40.97	40.51	40.51	40.36
Mean	38.68	38.23	37.87	37.78	38.09	38.85	39.57	39.86	39.77	39.47	39.25	38.97
Min	37.33	36.60	36.36	36.25	36.24	36.68	37.89	38.81	38.56	38.59	38.20	37.49

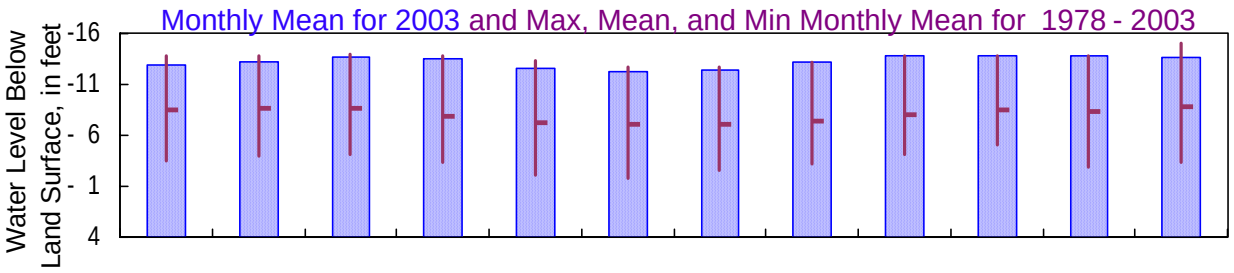




Lower Floridan Aquifer
2003 Calendar Year
310810081323501 Site Name: 33H188

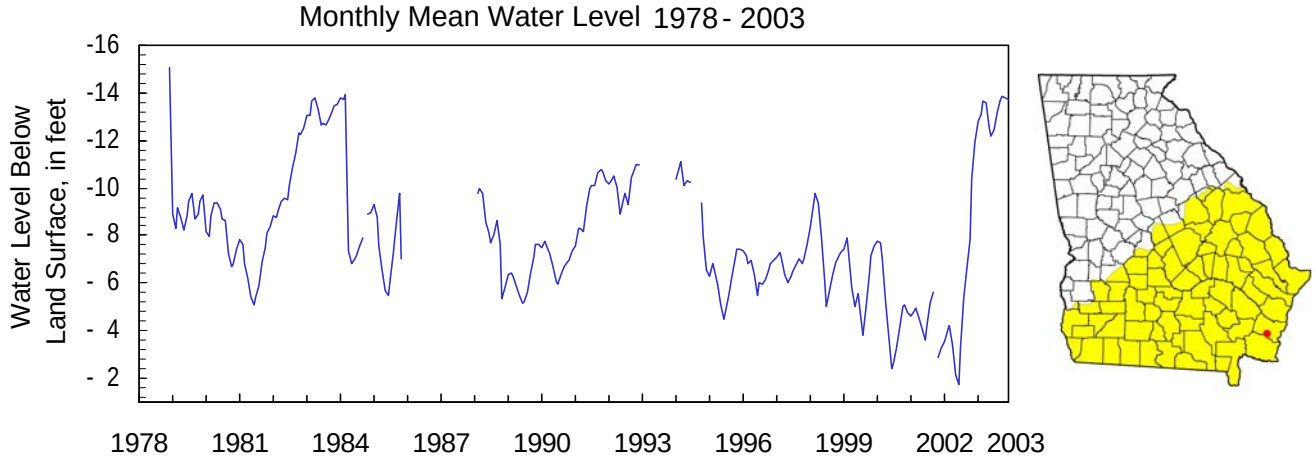
Latitude: 31°08' 09" Longitude: 81°32'35" Glynn County Period of Record: 1978
Well Depth: 2,720 feet Datum: 8 feet Well Diameter: 10 inches





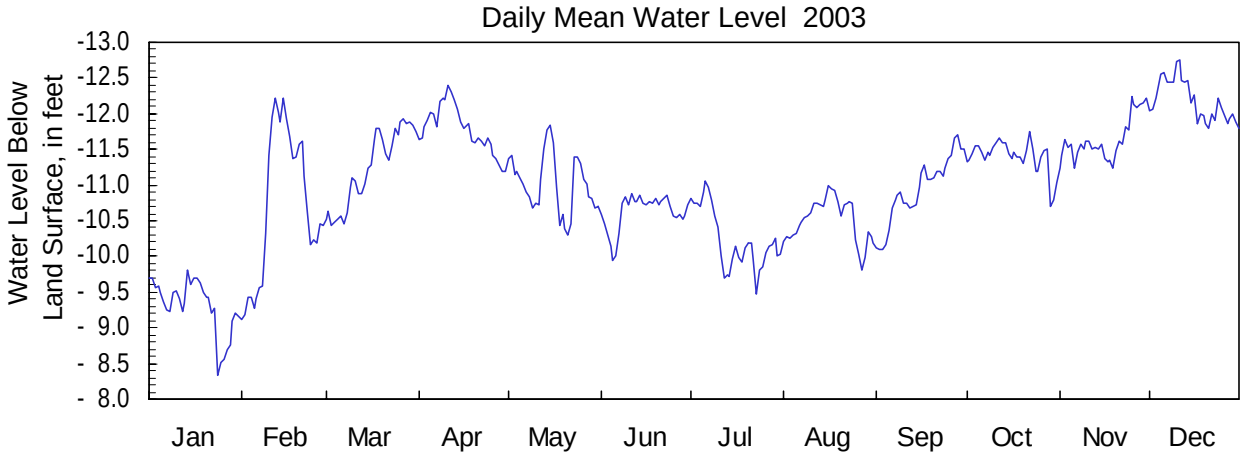
Monthly Water-Level Statistics

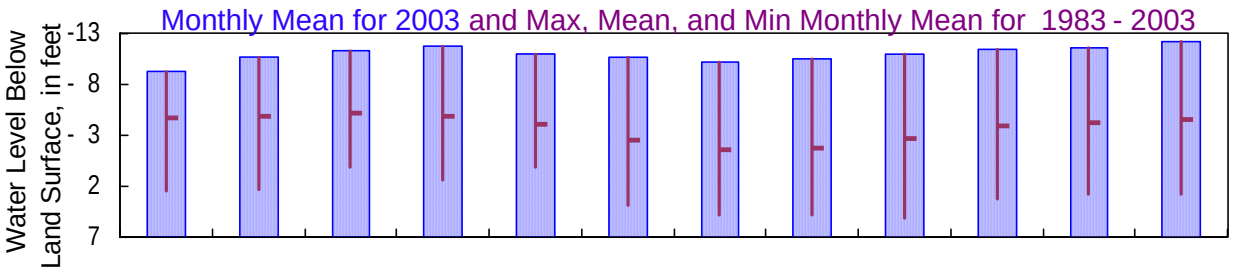
2003												
Max	-12.80	-12.73	-13.35	-13.04	-12.14	-11.96	-12.30	-12.74	-13.42	-13.70	-13.53	-13.41
Mean	-12.80	-13.13	-13.66	-13.57	-12.49	-12.19	-12.48	-13.19	-13.75	-13.84	-13.79	-13.69
Min	-13.12	-13.75	-14.04	-14.04	-13.07	-12.46	-12.76	-13.49	-13.94	-14.11	-14.03	-14.08
1978 - 2003												
Max	-3.30	-3.73	-3.74	-2.99	-1.74	-1.46	-2.13	-2.73	-3.61	-4.75	-2.80	-2.92
Mean	-8.51	-8.62	-8.70	-7.88	-7.36	-6.98	-6.99	-7.44	-7.95	-8.54	-8.33	-8.47
Min	-14.13	-14.18	-14.50	-14.20	-13.70	-13.00	-13.00	-13.49	-13.94	-14.11	-14.03	-17.20



Lower Floridan Aquifer
2003 Calendar Year
310925081312201 Site Name: 33H206

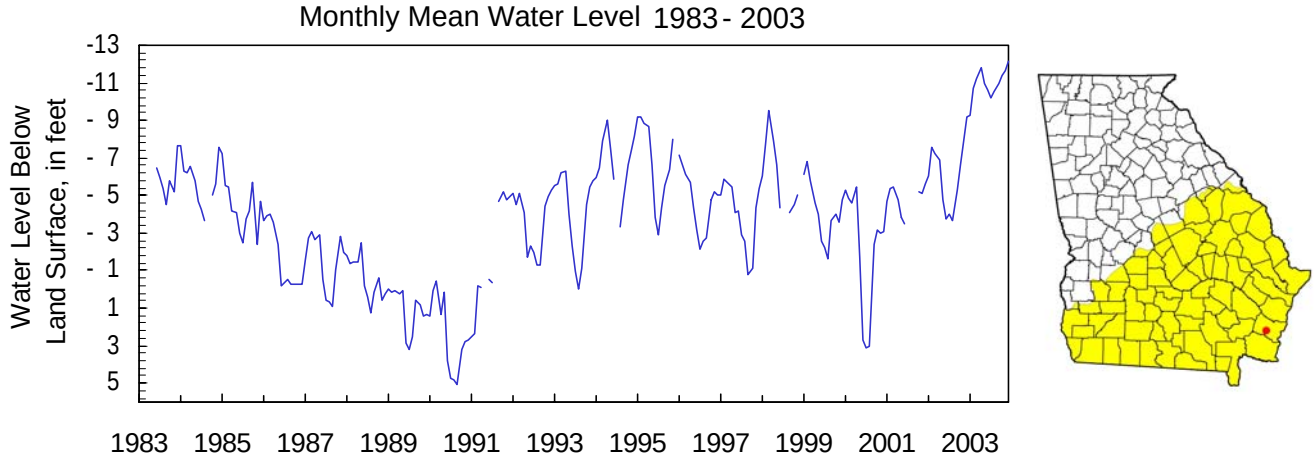
Latitude: 31°09' 25" Longitude: 81°31'22" Glynn County Period of Record: 1983
Well Depth: 1,100 feet Datum: 6 feet Well Diameter: 10 inches





Monthly Water-Level Statistics

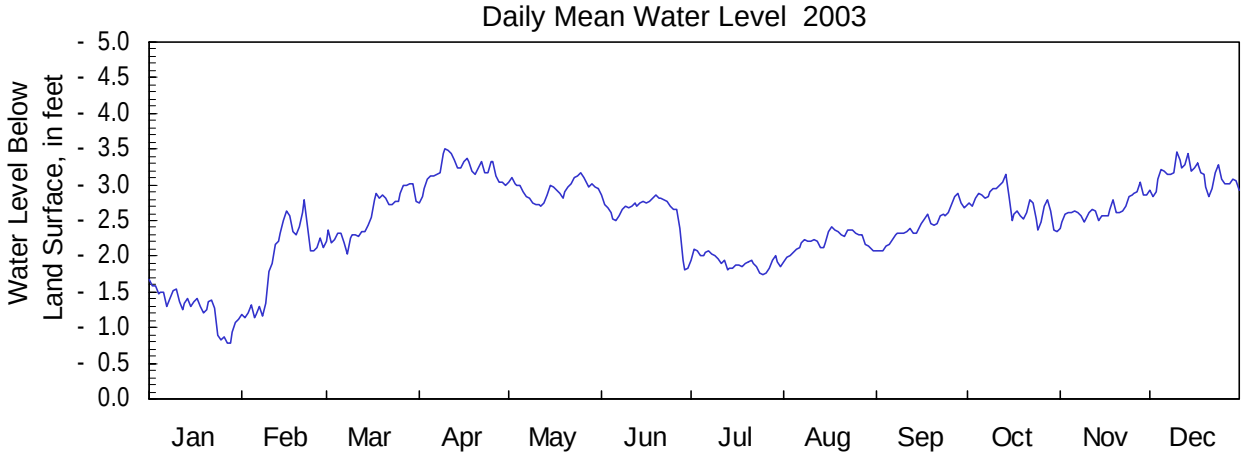
2003												
Max	-9.31	-9.12	-10.44	-11.18	-10.30	-9.95	-9.48	-9.81	-10.09	-10.69	-11.23	-11.80
Mean	-9.31	-10.71	-11.24	-11.78	-11.01	-10.62	-10.23	-10.51	-10.94	-11.39	-11.63	-12.18
Min	-9.81	-12.22	-11.93	-12.40	-11.84	-10.88	-11.05	-10.98	-11.71	-11.74	-12.24	-12.75
1983 - 2003												
Max	3.17	3.37	0.99	3.68	2.30	5.04	5.93	5.36	5.89	4.27	3.31	3.27
Mean	-4.79	-4.84	-5.23	-4.91	-4.02	-2.36	-1.44	-1.92	-2.50	-3.98	-4.21	-4.59
Min	-11.95	-12.22	-11.93	-12.40	-11.84	-10.88	-11.05	-10.98	-11.71	-12.80	-12.24	-15.23

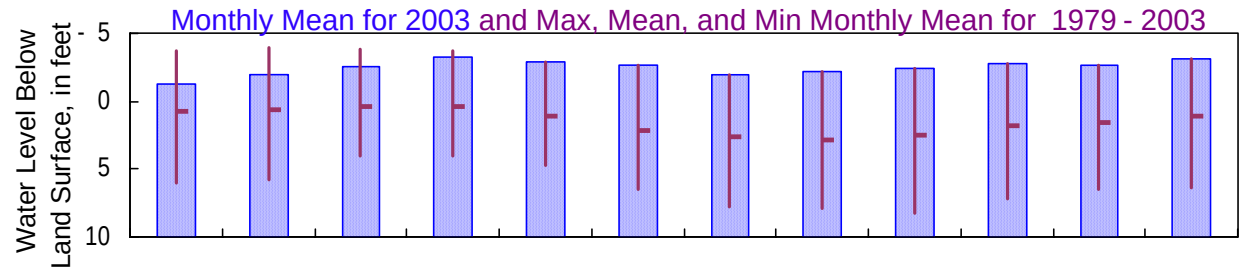


Lower Floridan Aquifer
2003 Calendar Year

311633081324001 **Site Name: 33J044**

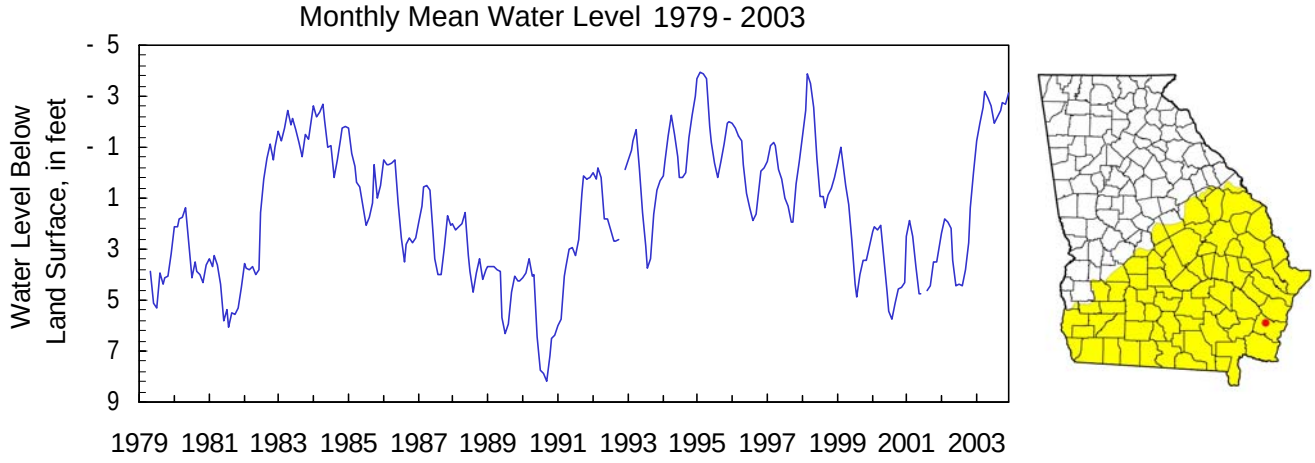
Latitude: 31°16'33" Longitude: 81°32'40" Glynn County Period of Record: 1979
Well Depth: 1910 feet Datum: 19 feet Well Diameter: 9 inches





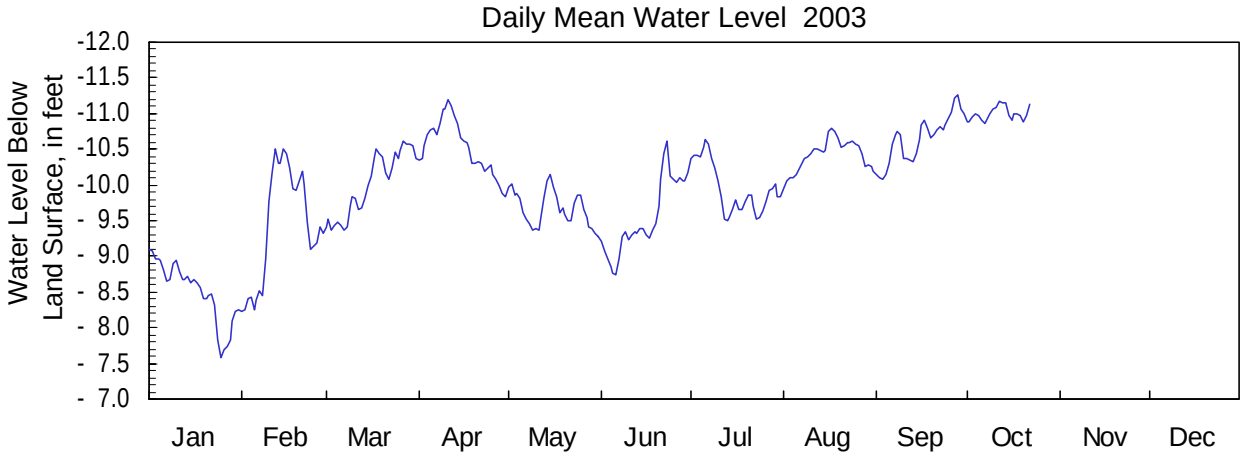
Monthly Water-Level Statistics

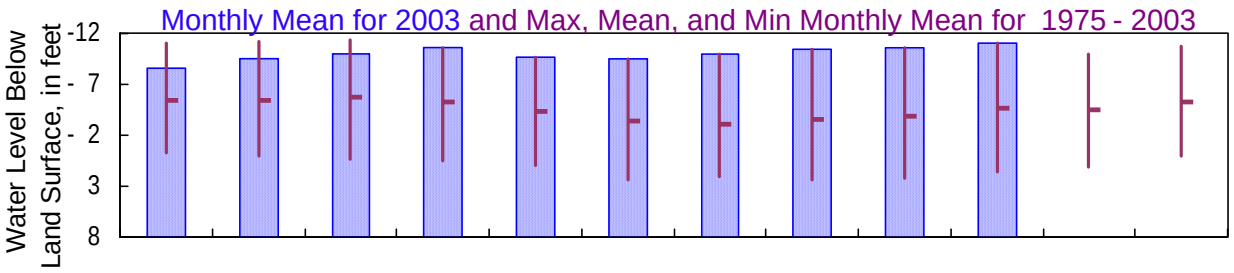
2003												
Max	-1.28	-1.14	-2.03	-2.76	-2.70	-1.80	-1.74	-1.92	-2.07	-2.34	-2.39	-2.83
Mean	-1.28	-1.95	-2.56	-3.20	-2.94	-2.62	-1.92	-2.21	-2.43	-2.72	-2.66	-3.12
Min	-1.67	-2.79	-3.01	-3.50	-3.17	-2.86	-2.09	-2.40	-2.88	-3.15	-3.04	-3.46
1979 - 2003												
Max	6.31	6.14	4.87	4.63	5.39	7.52	8.23	8.09	8.44	7.82	6.79	6.53
Mean	0.80	0.60	0.33	0.42	1.08	2.16	2.65	2.86	2.49	1.85	1.60	1.26
Min	-4.24	-4.18	-5.09	-4.56	-3.44	-2.92	-2.12	-2.40	-2.98	-3.15	-3.04	-3.65



Lower Floridan Aquifer
2003 Calendar Year
310818081294201 Site Name: 34H391

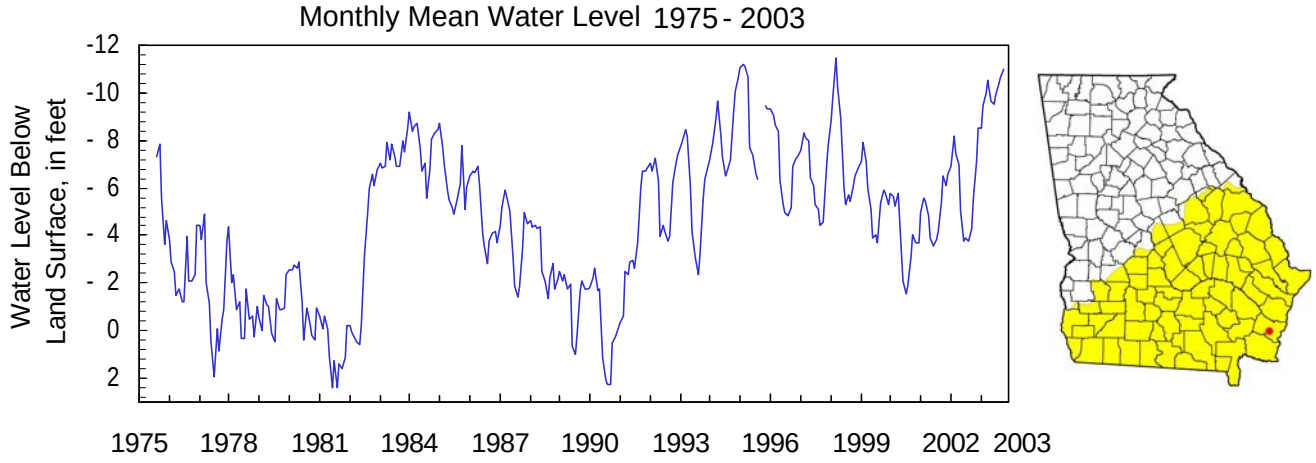
Latitude: 31°08' 18" Longitude: 81°29'42" Glynn County Period of Record: 1975
Well Depth: 1,158 feet Datum: 6 feet Well Diameter: 4 inches





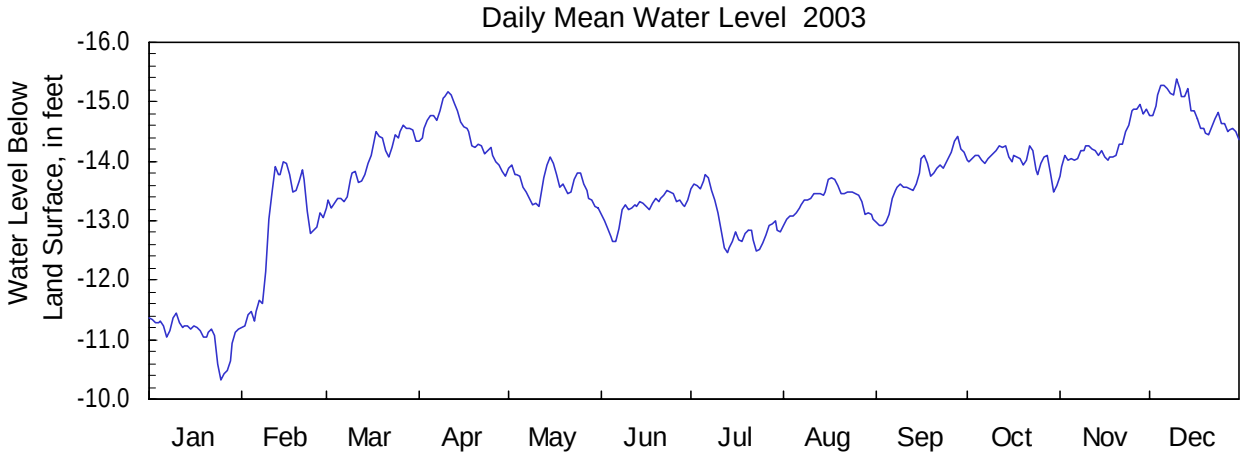
Monthly Water-Level Statistics

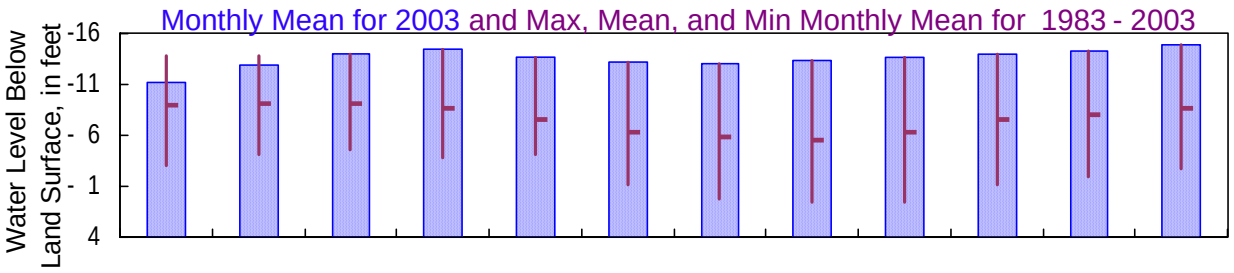
2003												
Max	-8.50	-8.23	-9.36	-9.84	-9.28	-8.74	-9.49	-9.96	-10.09	-10.86		
Mean	-8.50	-9.42	-10.01	-10.52	-9.66	-9.53	-9.95	-10.42	-10.65	-10.99		
Min	-9.10	-10.51	-10.61	-11.19	-10.14	-10.62	-10.64	-10.79	-11.26	-11.17		
1975 - 2003												
Max	0.33	0.55	0.72	0.86	1.93	2.83	2.96	2.83	2.90	1.96	1.44	1.45
Mean	-5.42	-5.55	-5.74	-5.33	-4.42	-3.31	-3.04	-3.42	-3.82	-4.49	-4.47	-5.12
Min	-11.72	-11.71	-12.85	-12.34	-10.14	-10.62	-10.64	-10.79	-11.26	-11.65	-10.62	-11.17



Lower Floridan Aquifer
2003 Calendar Year
310901081284401 Site Name: 34H436

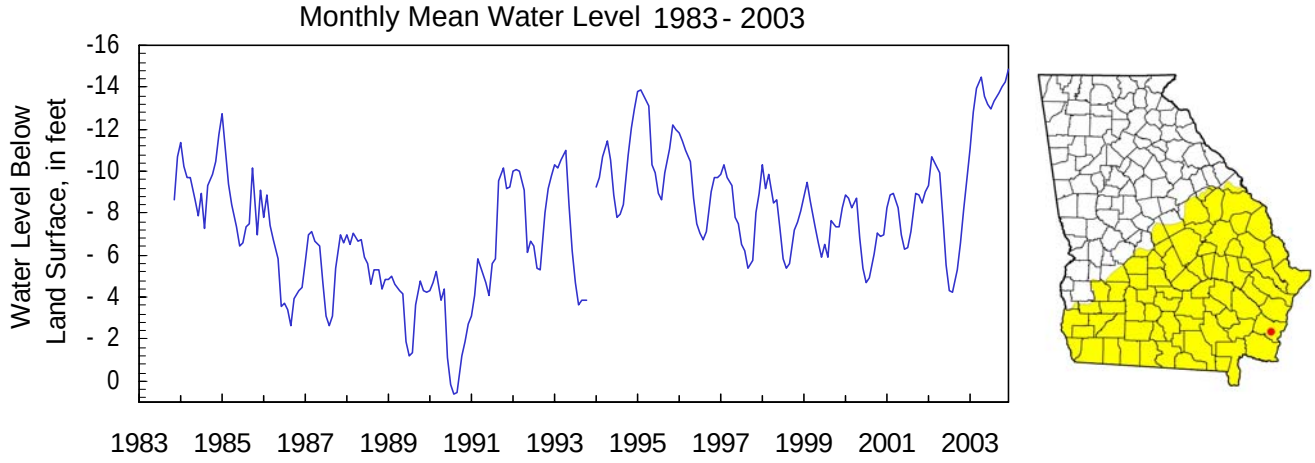
Latitude: 31°09'01" Longitude: 81°28'44" Glynn County Period of Record: 1983
Well Depth: 1,103 feet Datum: 6 feet Well Diameter: 4 inches





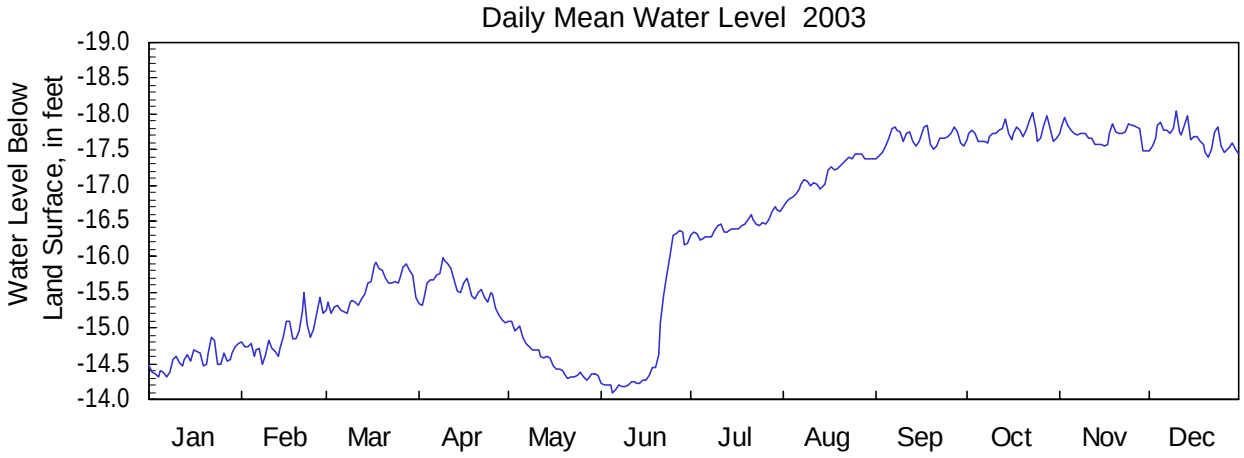
Monthly Water-Level Statistics

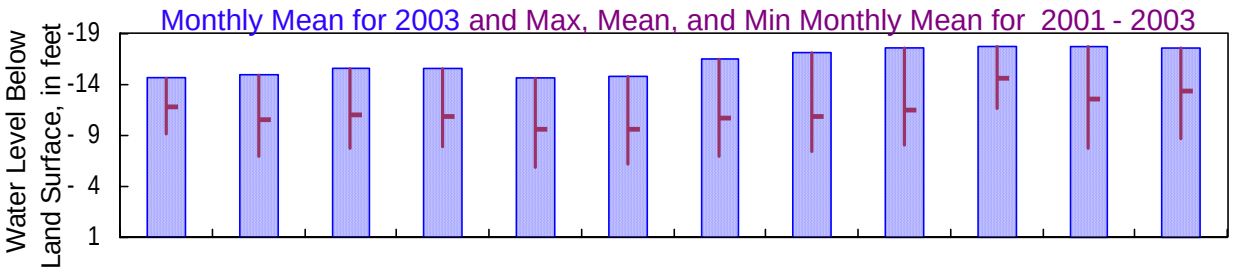
2003												
Max	-11.09	-11.20	-13.20	-13.76	-13.20	-12.64	-12.48	-12.93	-12.91	-13.49	-13.74	-14.35
Mean	-11.09	-12.83	-13.97	-14.49	-13.60	-13.20	-12.99	-13.35	-13.71	-14.02	-14.29	-14.83
Min	-11.44	-14.00	-14.61	-15.18	-14.07	-13.50	-13.79	-13.72	-14.42	-14.25	-14.95	-15.38
1983 - 2003												
Max	-2.70	-2.90	-4.10	-3.10	-2.70	0.30	0.90	1.10	1.30	-0.40	-1.30	-2.50
Mean	-9.01	-9.10	-9.13	-8.67	-7.55	-6.32	-5.83	-5.60	-6.16	-7.53	-8.01	-8.81
Min	-14.70	-14.31	-14.61	-15.18	-14.07	-13.50	-13.79	-13.72	-14.42	-18.79	-14.95	-17.00



Lower Floridan Aquifer
2003 Calendar Year
310835081294501 Site Name: 34H495

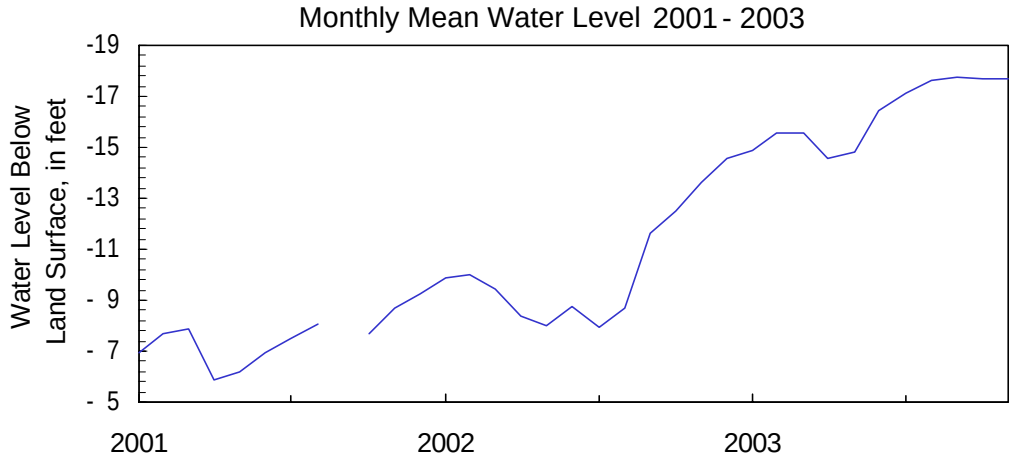
Latitude: 31°08'35" Longitude: 81°29'45" Glynn County Period of Record: 2001
Well Depth: 2720 feet Datum: 9 feet Well Diameter: 8 inches

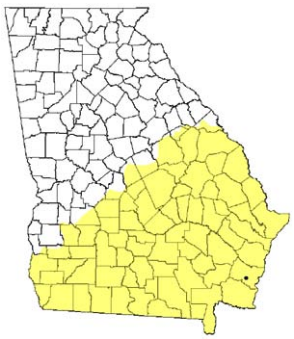




Monthly Water-Level Statistics

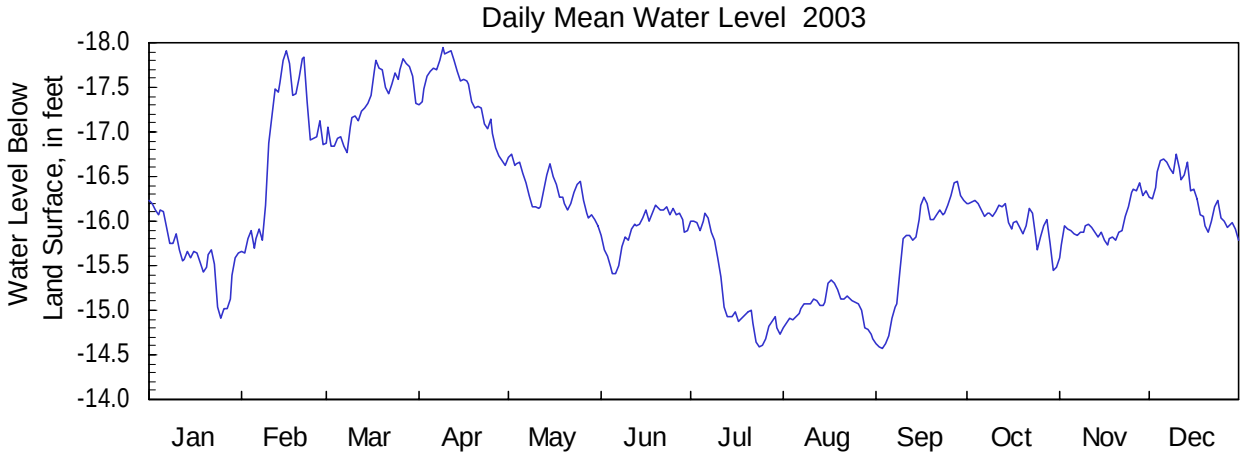
2003												
Max	-14.55	-14.49	-15.20	-15.06	-14.26	-14.09	-16.23	-16.69	-17.38	-17.59	-17.48	-17.38
Mean	-14.55	-14.89	-15.54	-15.54	-14.57	-14.84	-16.43	-17.15	-17.65	-17.74	-17.72	-17.66
Min	-14.87	-15.50	-15.92	-15.99	-15.10	-16.35	-16.71	-17.45	-17.84	-18.01	-17.94	-18.04
2001 - 2003												
Max	-8.92	-6.16	-7.42	-7.74	-5.44	-5.61	-6.26	-6.87	-7.54	-10.33	-7.26	-8.08
Mean	-13.32	-10.65	-11.08	-11.51	-10.77	-9.68	-10.70	-10.85	-12.38	-14.69	-13.61	-13.31
Min	-17.91	-15.50	-15.92	-15.99	-15.10	-16.35	-16.71	-17.45	-17.84	-18.01	-17.94	-18.04

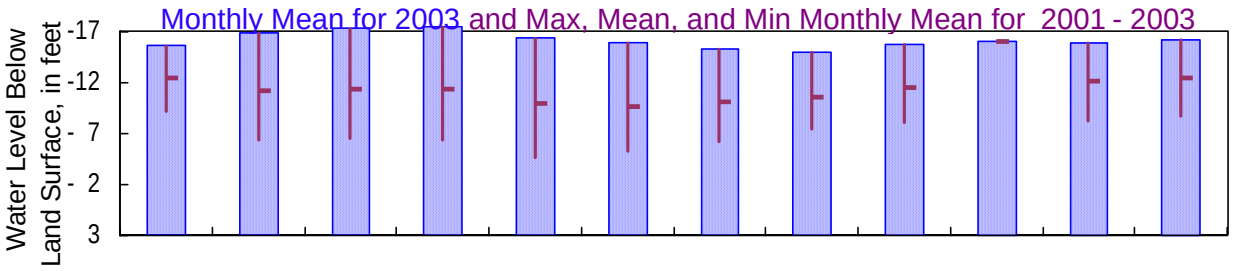




Lower Floridan Aquifer
2003 Calendar Year
310835081294502 Site Name: 34H500

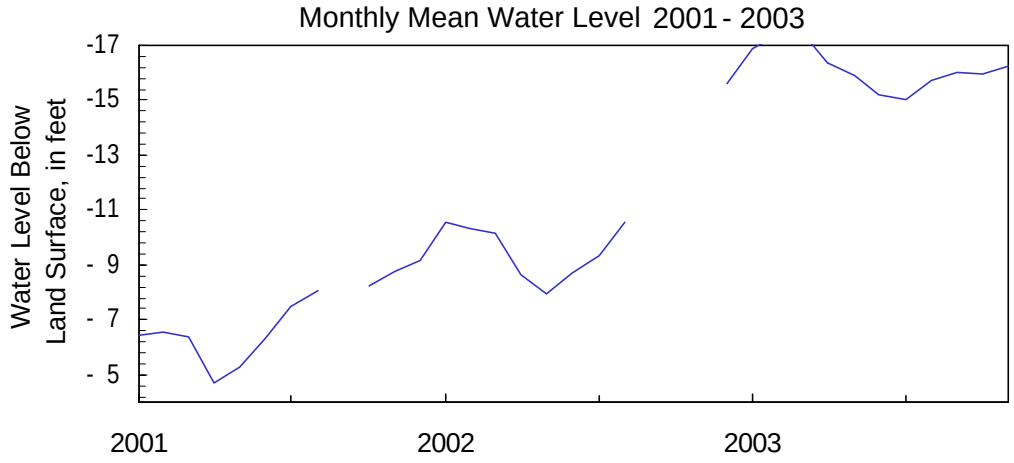
Latitude: 31°08'35" Longitude: 81°29'45" Glynn County Period of Record: 2001
Well Depth: 1400 feet Datum: 9 feet Well Diameter: 8 inches

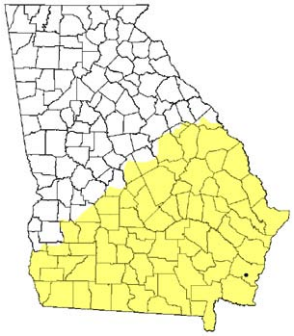




Monthly Water-Level Statistics

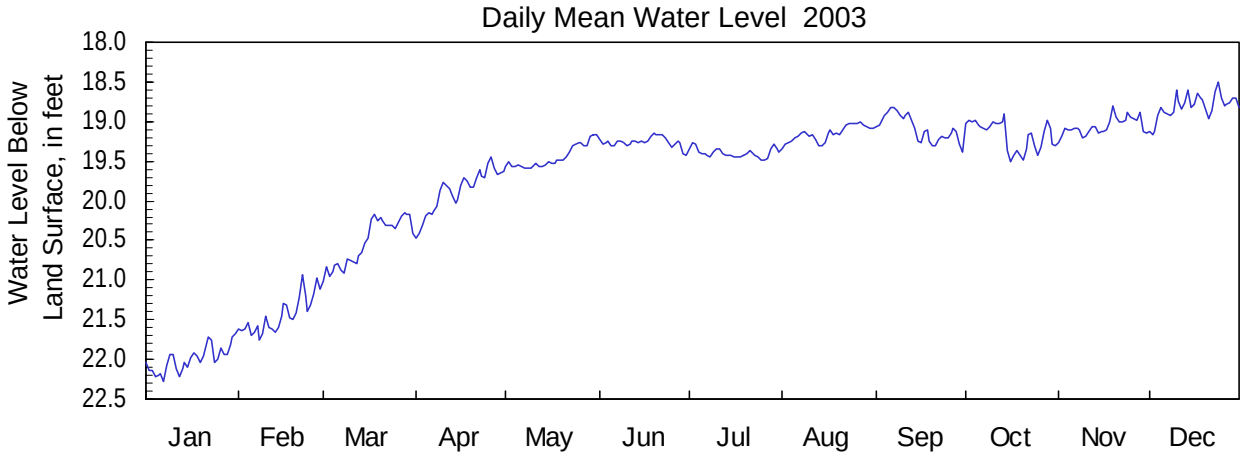
2003												
Max	-15.63	-15.65	-16.78	-16.62	-15.94	-15.41	-14.59	-14.67	-14.56	-15.44	-15.59	-15.78
Mean	-15.63	-16.88	-17.34	-17.41	-16.33	-15.91	-15.22	-15.03	-15.72	-16.00	-15.96	-16.27
Min	-16.23	-17.91	-17.83	-17.95	-16.76	-16.18	-16.08	-15.33	-16.45	-16.23	-16.43	-16.76
2001 - 2003												
Max	-8.73	-5.93	-6.20	-5.75	-4.33	-4.71	-6.02	-6.72	-7.68	-15.44	-8.07	-8.27
Mean	-12.41	-11.27	-11.41	-12.07	-11.50	-9.71	-10.06	-10.62	-12.36	-16.00	-13.39	-12.52
Min	-16.23	-17.91	-17.83	-17.95	-16.76	-16.18	-16.08	-15.33	-16.45	-16.23	-16.43	-16.76

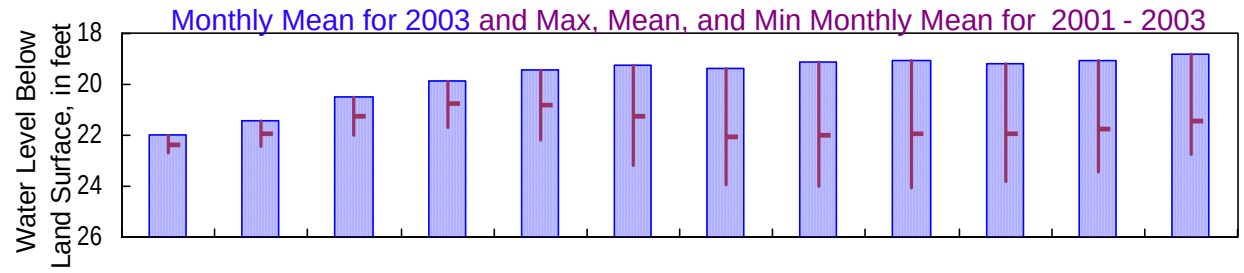




Lower Floridan Aquifer
2003 Calendar Year
313608081182701 Site Name: 35L085

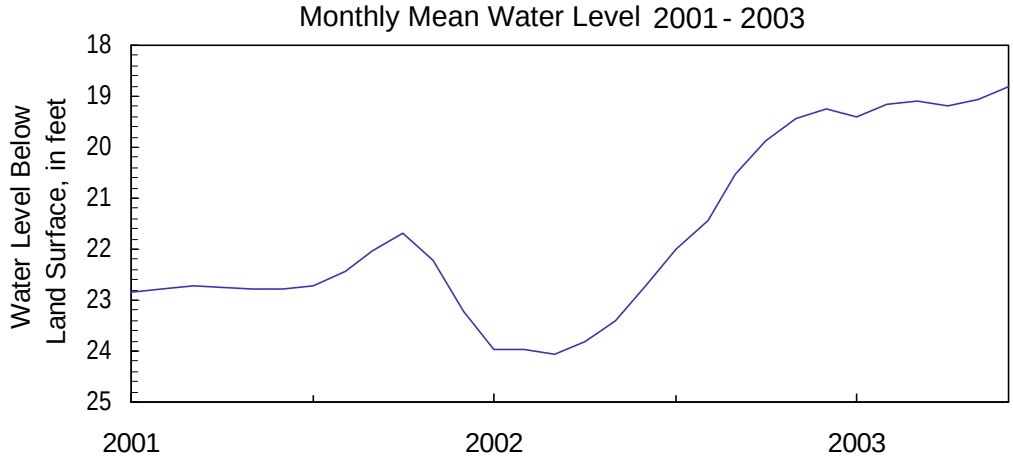
Latitude: 31°36' 08" Longitude: 81°18'27" McIntosh County Period of Record: 2001
Well Depth: 1422 feet Datum: 9 feet Well Diameter: 8 inches

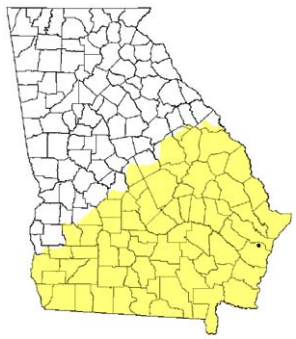




Monthly Water-Level Statistics

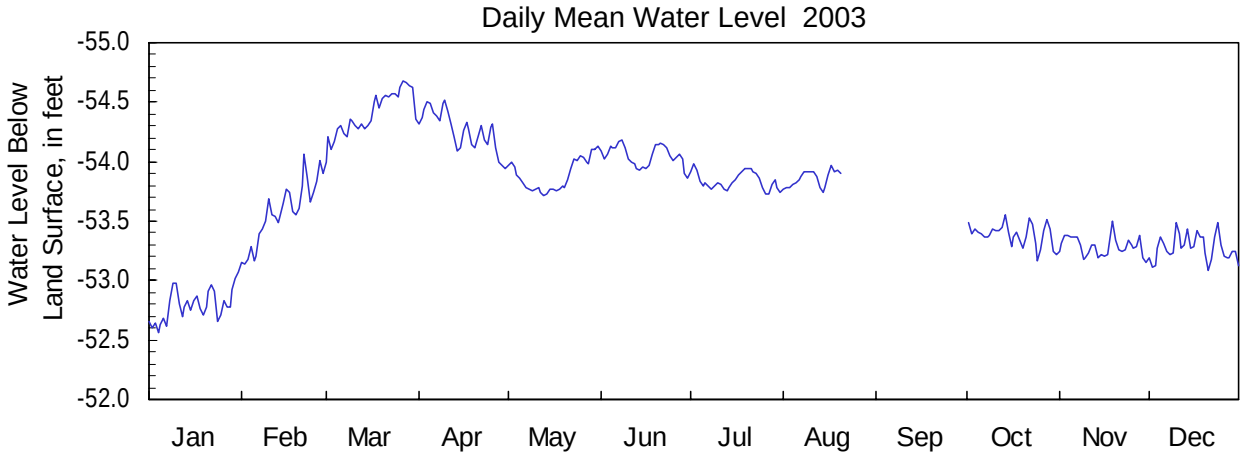
2003												
Max	22.00	21.75	21.01	20.46	19.59	19.43	19.49	19.34	19.39	19.50	19.27	19.17
Mean	22.00	21.44	20.52	19.88	19.45	19.26	19.40	19.15	19.09	19.18	19.06	18.81
Min	21.68	20.93	20.14	19.45	19.16	19.15	19.26	19.00	18.82	18.90	18.79	18.50
2001 - 2003												
Max	22.91	22.72	22.44	21.87	22.44	23.90	24.21	24.16	24.18	24.14	23.65	23.15
Mean	21.68	21.94	21.27	20.78	20.83	21.24	21.70	21.97	21.95	21.91	21.75	21.44
Min	18.57	20.93	20.14	19.45	19.16	19.15	19.26	19.00	18.82	18.90	18.79	18.50

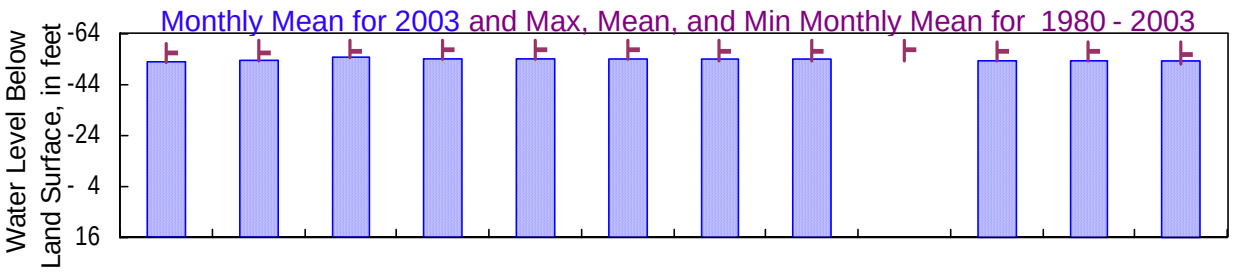




Lower Floridan Aquifer
2003 Calendar Year
313253081433501 Site Name: 32L005

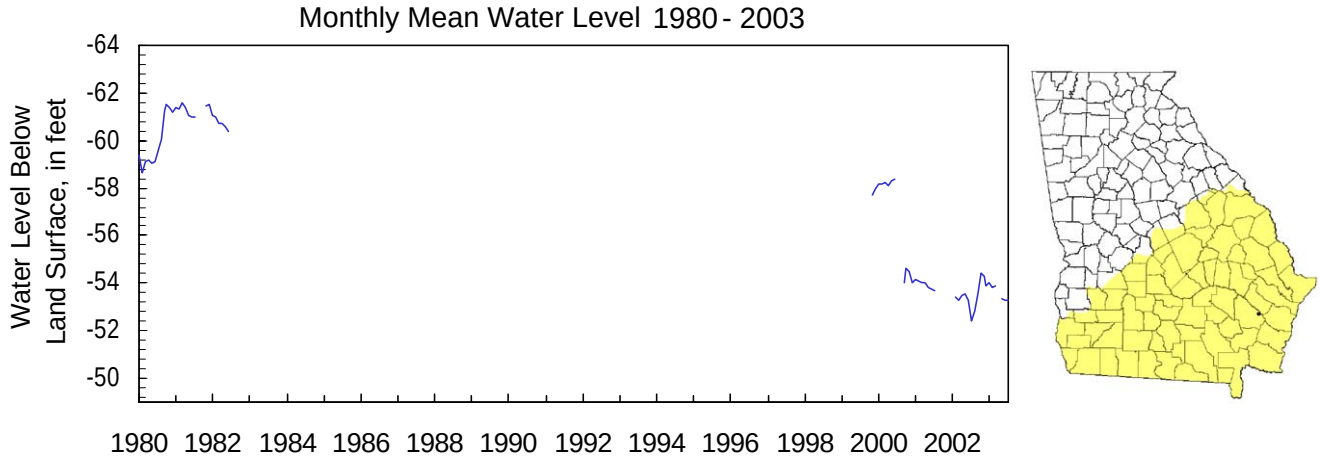
Latitude: 31°32' 52" Longitude: 81°43'36" Wayne County Period of Record: 1980
Well Depth: 2,070 feet Datum: 73 feet Well Diameter: 9 inches





Monthly Water-Level Statistics

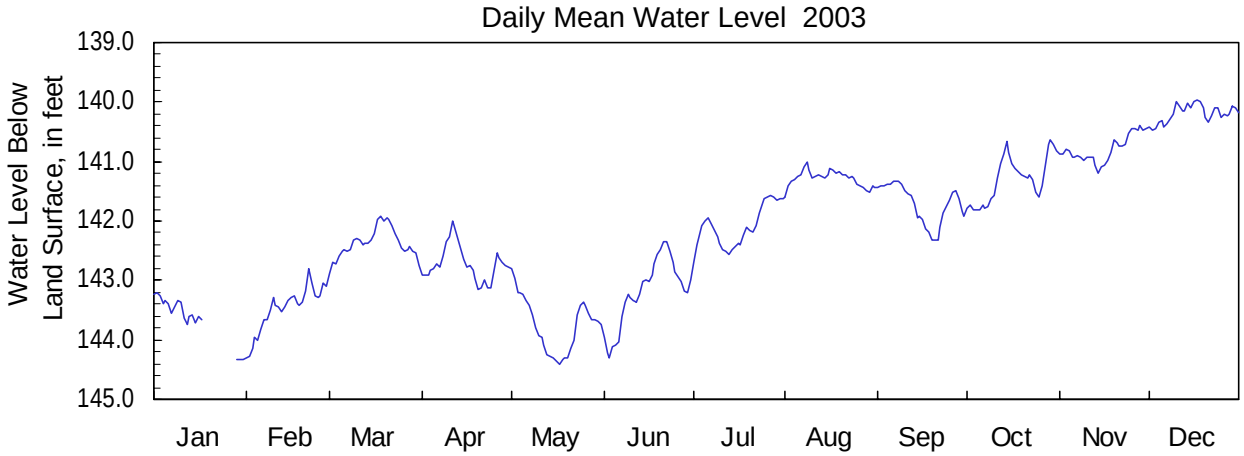
2003												
Max	-52.79	-53.14	-54.00	-53.94	-53.71	-53.86	-53.72	-53.74		-53.17	-53.15	-53.09
Mean	-52.79	-53.57	-54.40	-54.27	-53.88	-54.05	-53.84	-53.86		-53.38	-53.29	-53.27
Min	-53.07	-54.06	-54.68	-54.51	-54.13	-54.19	-53.98	-53.96		-53.55	-53.50	-53.49
1980 - 2003												
Max	-52.57	-53.14	-54.00	-53.94	-53.71	-53.86	-53.30	-53.19	-53.35	-53.17	-53.04	-52.06
Mean	-53.49	-55.34	-56.84	-57.75	-57.72	-57.97	-57.43	-56.94	-57.82	-57.13	-56.39	-55.52
Min	-60.08	-61.64	-61.82	-61.70	-61.90	-61.65	-61.50	-61.66	-61.58	-61.30	-61.10	-61.10

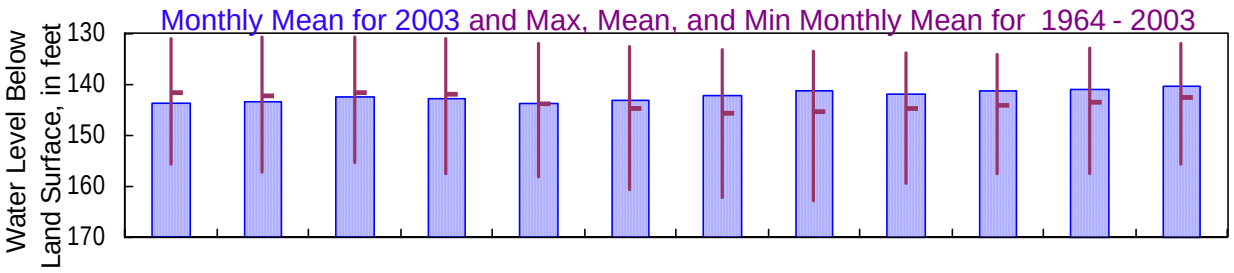


Floridan Aquifer System
2003 Calendar Year

305235084125101 **Site Name: 12F036**

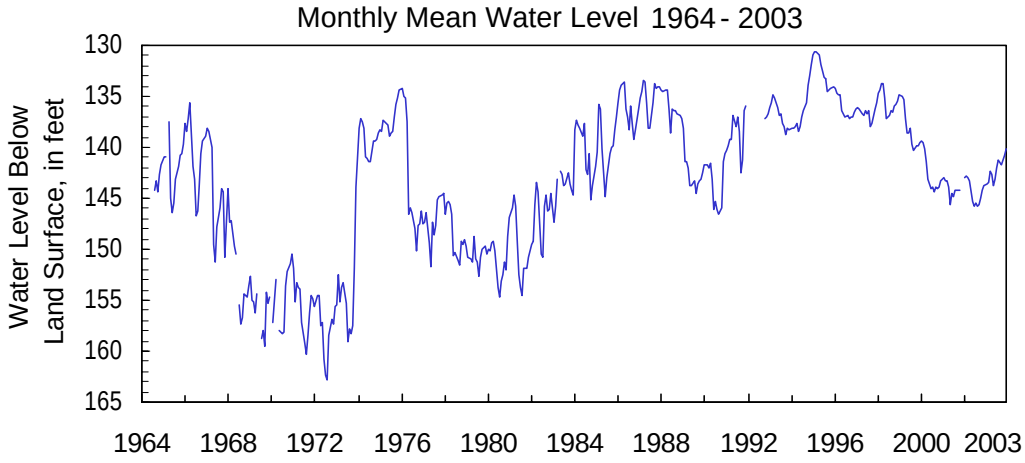
Latitude: 30°52' 35" Longitude: 84° 12 '52" Grady County Period of Record: 1964
Well Depth: 467 feet Datum: 204 feet Well Diameter: 6 inches

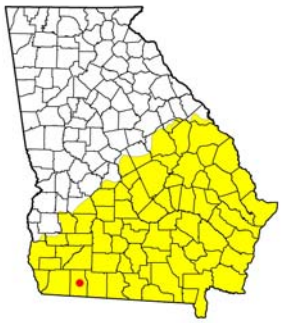




Monthly Water-Level Statistics

2003												
Max	143.60	144.31	142.89	143.15	144.40	144.31	142.69	141.59	142.32	141.82	141.20	140.48
Mean	143.60	143.48	142.38	142.72	143.75	143.20	142.10	141.28	141.72	141.30	140.79	140.20
Min	143.21	142.80	141.91	142.01	142.80	142.35	141.58	141.02	141.32	140.64	140.40	139.98
1964 - 2003												
Max	159.20	157.80	157.60	161.00	161.00	165.21	165.19	166.55	163.60	161.39	158.91	158.20
Mean	141.59	141.26	141.09	141.33	142.95	143.83	144.14	144.25	143.88	143.52	143.02	142.24
Min	130.49	130.14	130.32	130.52	131.26	131.88	132.77	132.77	133.24	133.20	132.54	131.46



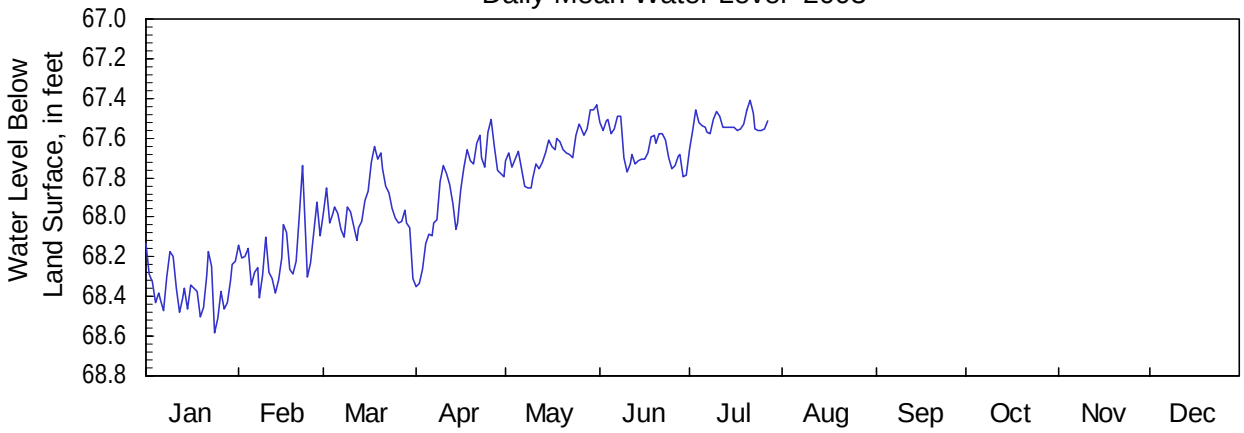


Palocene Aquifer
2003 Calendar Year

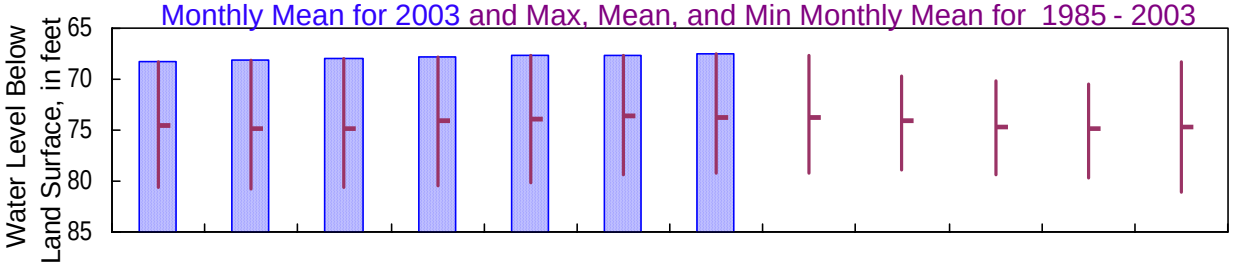
320622081063702 **Site Name: 37Q186**

Latitude: 32°06' 22" Longitude: 81°06'37" Chatham County Period of Record: 1985
Well Depth: 1520 feet Datum: 5 feet Well Diameter: 4 inches

Daily Mean Water Level 2003



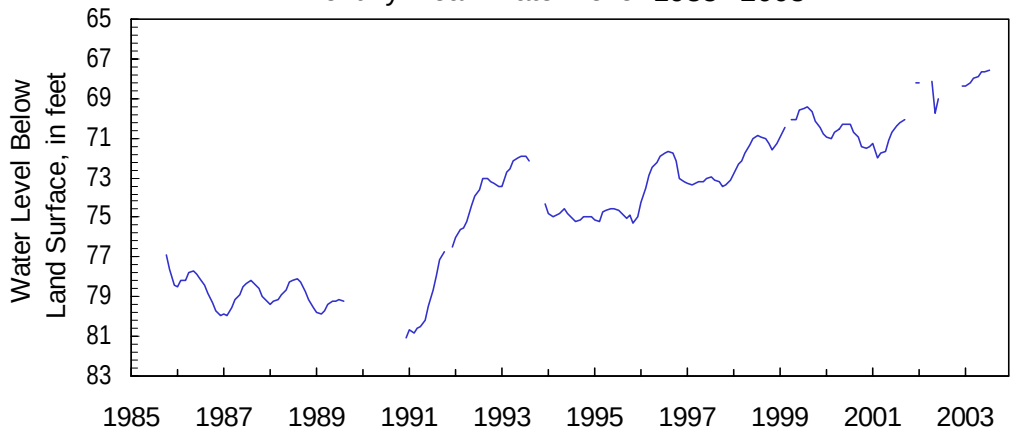
Monthly Mean for 2003 and Max, Mean, and Min Monthly Mean for 1985 - 2003



Monthly Water-Level Statistics

2003												
Max	68.36	68.40	68.31	68.35	67.85	67.79	67.66					
Mean	68.36	68.19	67.95	67.86	67.66	67.65	67.53					
Min	68.14	67.74	67.64	67.50	67.43	67.49	67.41					
1985 - 2003												
Max	81.23	80.90	80.73	80.81	80.51	80.07	79.51	79.37	79.21	79.89	79.93	81.88
Mean	74.64	74.62	74.91	74.19	74.09	73.96	73.84	74.03	74.32	74.51	74.91	74.83
Min	68.00	67.74	67.64	67.42	67.43	66.90	67.41	67.59	69.36	69.76	70.13	68.07

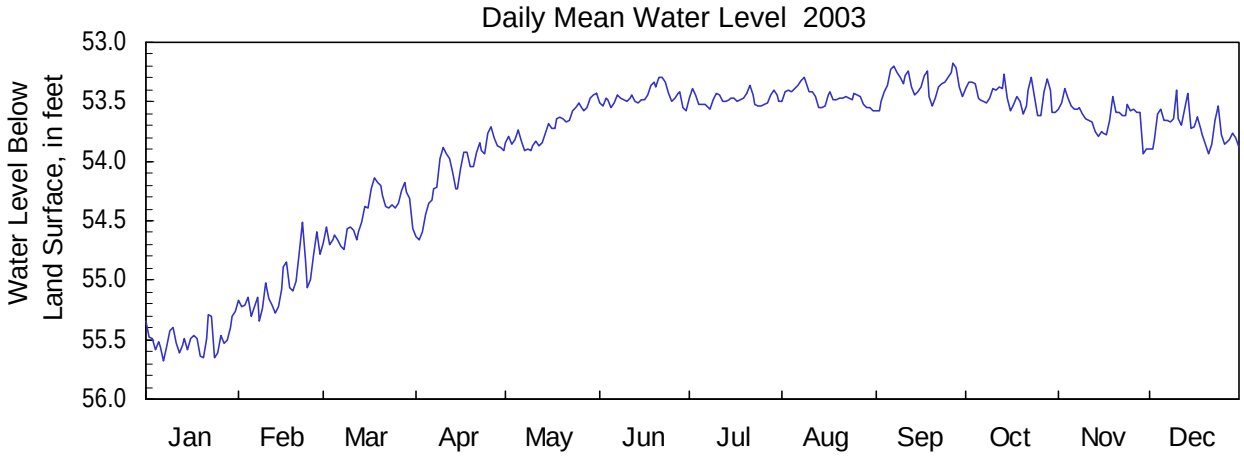
Monthly Mean Water Level 1985 - 2003

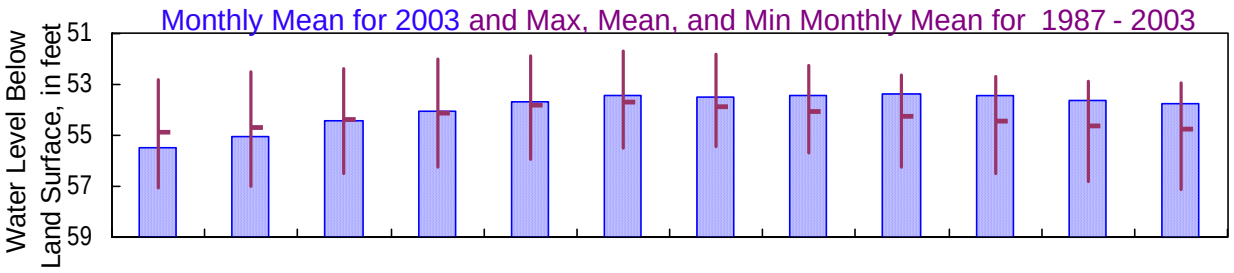


Palocene Aquifer
2003 Calendar Year

320150080540601 **Site Name: 38Q201**

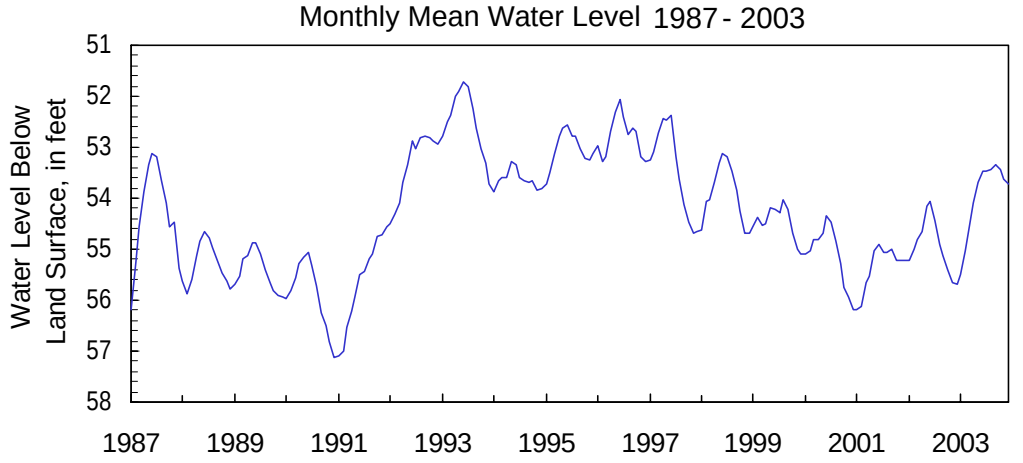
Latitude: 32°01'50" Longitude: 80°54'06" Chatham County Period of Record: 1987
Well Depth: 1,546 feet Datum: 6 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

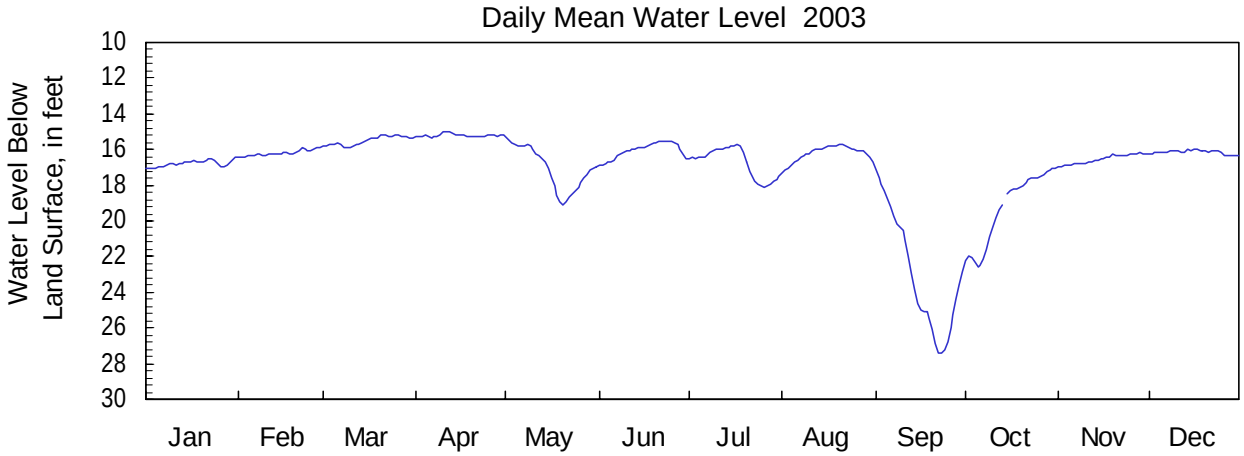
2003												
Max	55.49	55.34	54.74	54.66	53.91	53.58	53.56	53.57	53.58	53.62	53.94	53.93
Mean	55.49	55.04	54.45	54.08	53.70	53.45	53.48	53.45	53.36	53.45	53.63	53.72
Min	55.26	54.52	54.14	53.71	53.43	53.29	53.37	53.30	53.17	53.27	53.39	53.41
1987 - 2003												
Max	57.38	57.32	56.72	56.58	56.10	55.63	55.62	56.00	56.44	56.74	57.02	57.28
Mean	54.76	54.71	54.42	54.13	53.73	53.60	53.80	54.08	54.22	54.46	54.65	54.76
Min	52.46	52.12	51.98	51.71	51.40	51.40	51.60	51.98	52.11	52.10	52.23	52.52

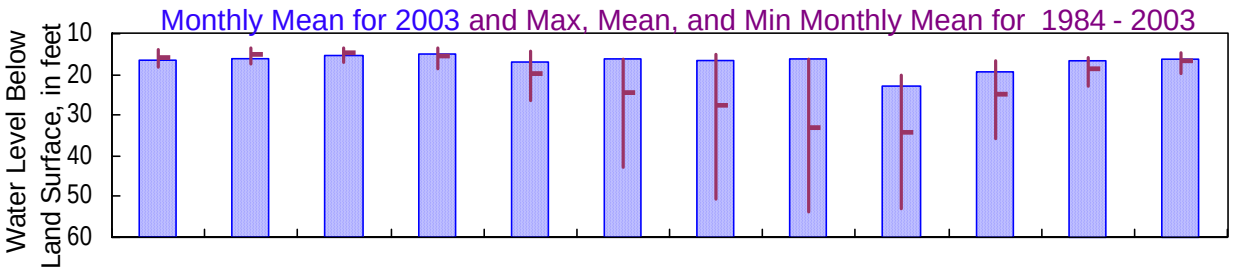


Claiborne Aquifer
2003 Calendar Year

315731083542302 **Site Name: 14P015**

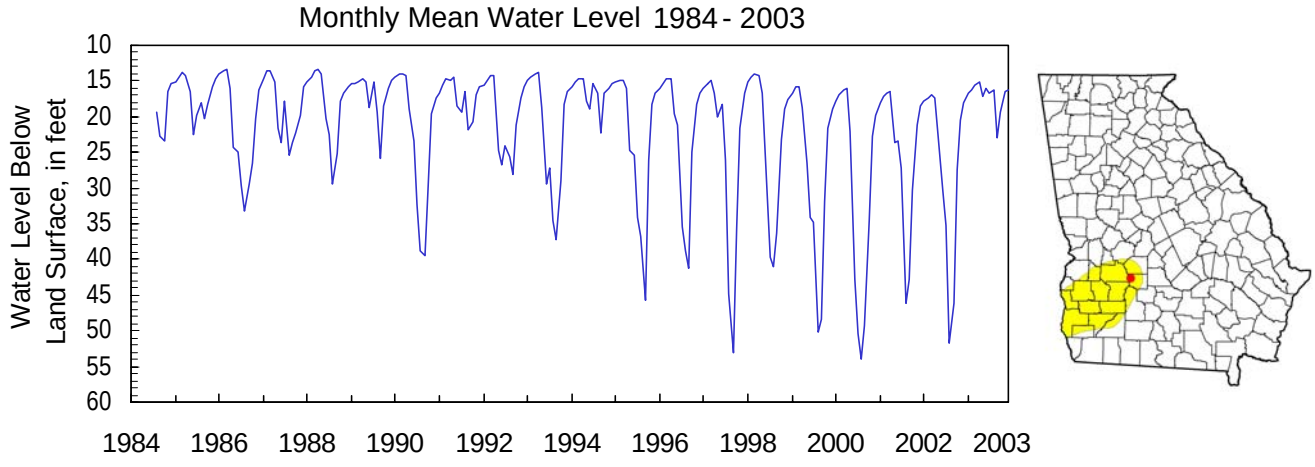
Latitude: 31°57'31" Longitude: 83°54'23" Crisp County Period of Record: 1984
Well Depth: 340 feet Datum: 251 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

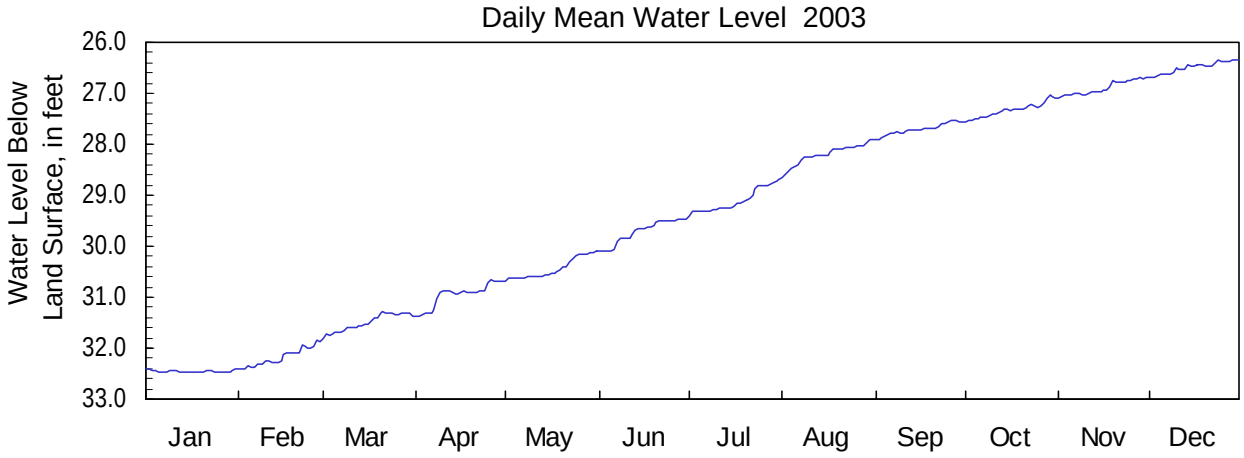
2003												
Max	16.79	16.47	15.89	15.33	19.07	16.88	18.09	17.31	27.39	22.58	16.98	16.36
Mean	16.79	16.20	15.50	15.21	17.05	16.05	16.73	16.22	22.95	19.27	16.54	16.15
Min	16.47	15.87	15.16	15.00	15.28	15.50	15.74	15.71	17.12	17.08	16.19	16.01
1984 - 2003												
Max	18.84	17.68	17.26	25.51	34.80	48.64	54.90	58.90	56.63	47.66	27.42	20.81
Mean	15.86	15.22	14.79	15.30	19.93	24.45	27.53	33.02	33.41	24.67	18.60	16.66
Min	13.73	13.23	12.97	13.21	13.28	14.75	11.13	14.33	17.12	16.07	15.22	14.33

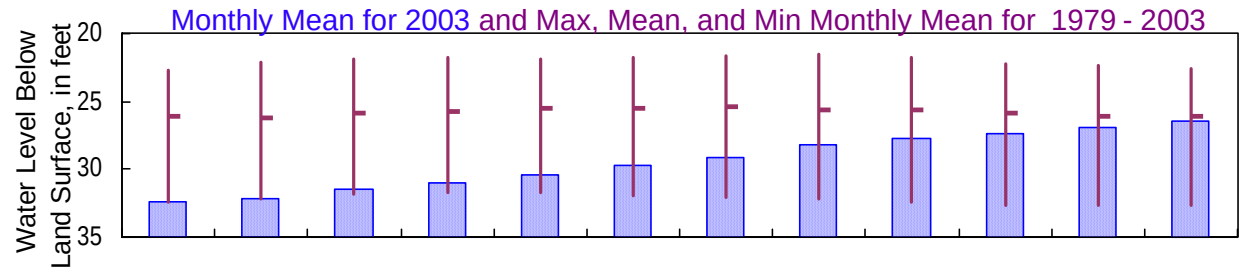


Claiborne Aquifer
2003 Calendar Year

312654084210102 **Site Name: 11K002**

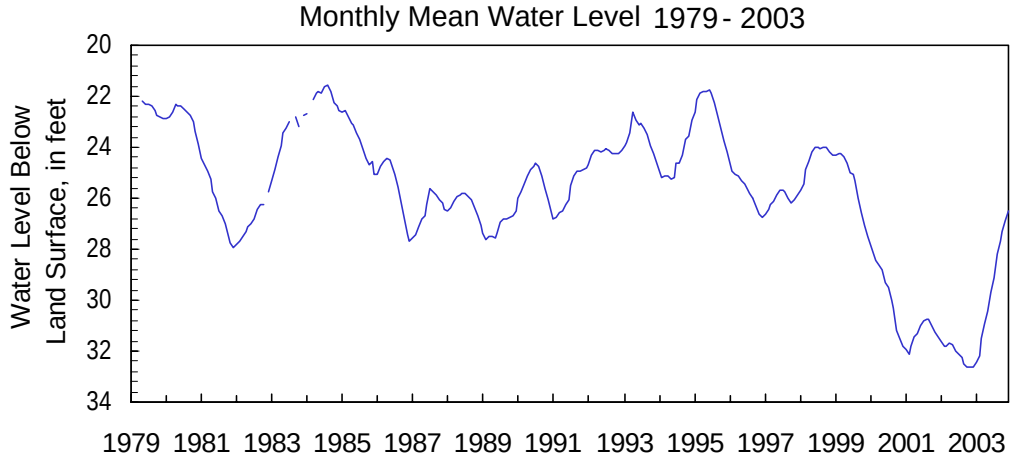
Latitude: 31°26' 54" Longitude: 84°21'01" Dougherty County Period of Record: 1979
Well Depth: 320 feet Datum: 183 feet Well Diameter: 4 inches

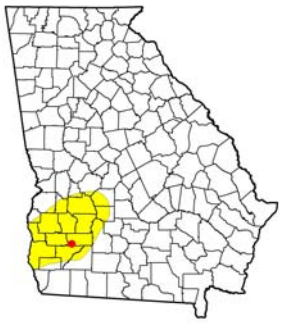




Monthly Water-Level Statistics

2003												
Max	32.46	32.40	31.80	31.38	30.68	30.11	29.41	28.66	27.91	27.56	27.09	26.69
Mean	32.46	32.18	31.50	30.96	30.44	29.72	29.10	28.20	27.70	27.33	26.90	26.49
Min	32.40	31.86	31.29	30.66	30.10	29.47	28.69	27.91	27.52	27.04	26.68	26.34
1979 - 2003												
Max	32.48	32.40	32.16	31.77	31.84	32.16	32.19	32.46	32.65	32.68	32.67	32.70
Mean	26.26	26.17	25.99	25.84	25.74	25.58	25.60	25.70	25.68	25.91	26.13	26.18
Min	22.41	21.90	21.82	21.77	21.75	21.57	21.60	21.48	21.62	22.05	22.26	22.40

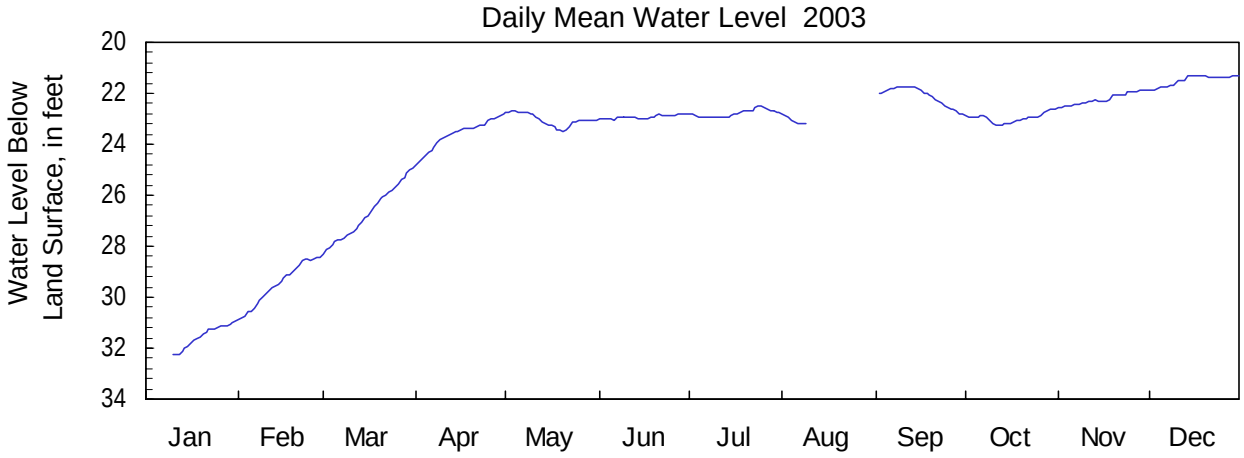


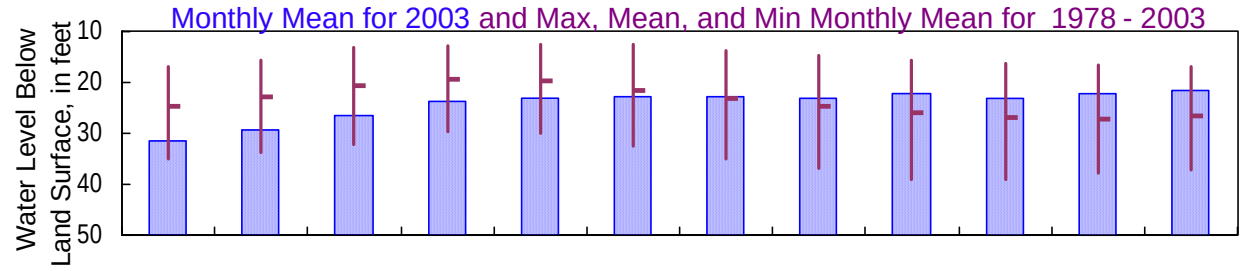


Claiborne Aquifer
2003 Calendar Year

313530084203202 **Site Name: 11L001**

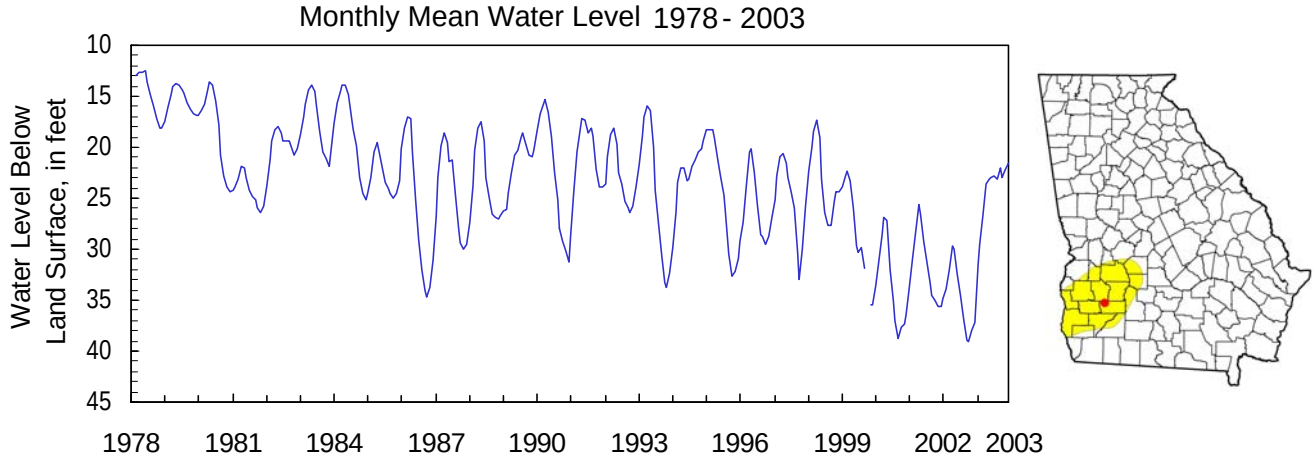
Latitude: 31°35'30" Longitude: 84°20'34" Dougherty County Period of Record: 1978
Well Depth: 251 feet Datum: 220 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

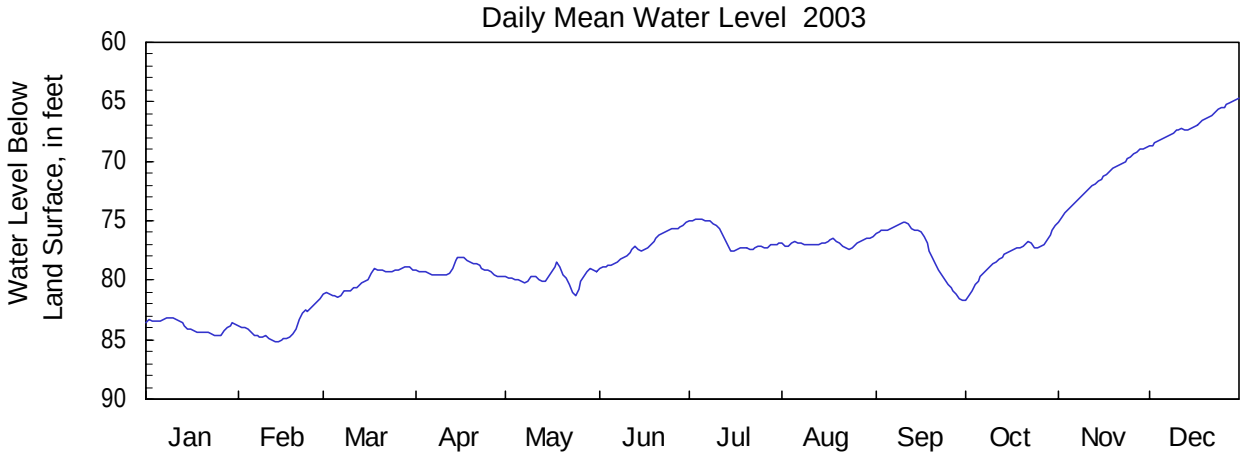
2003												
Max	31.53	30.87	28.29	24.81	23.47	23.03	22.96	23.21	22.84	23.23	22.59	21.87
Mean	31.53	29.49	26.69	23.61	23.05	22.93	22.79	23.05	22.11	22.97	22.23	21.49
Min	30.92	28.42	24.94	22.79	22.71	22.83	22.50	22.78	21.75	22.64	21.89	21.31
1978 - 2003												
Max	35.43	34.41	33.87	30.50	30.66	33.94	35.80	38.42	39.32	39.27	38.35	37.38
Mean	24.52	22.63	20.68	19.34	19.70	21.46	23.19	24.62	26.02	26.80	27.04	26.02
Min	16.62	14.92	12.80	12.39	12.20	12.11	12.98	14.03	15.04	16.00	16.48	16.81

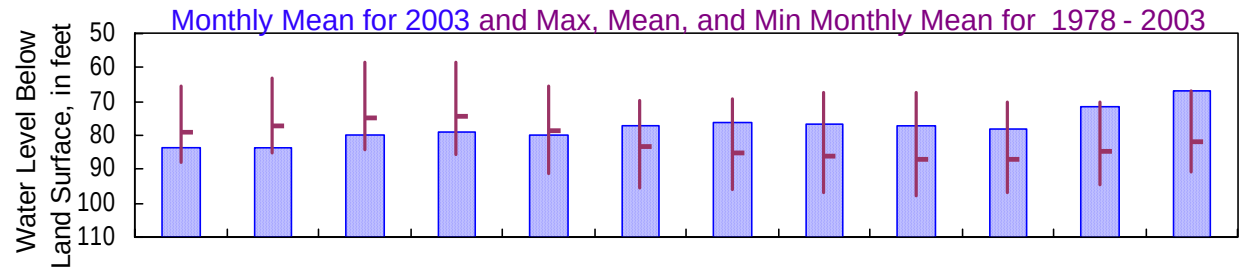


Claiborne Aquifer
2003 Calendar Year

313534084103001 **Site Name: 12L019**

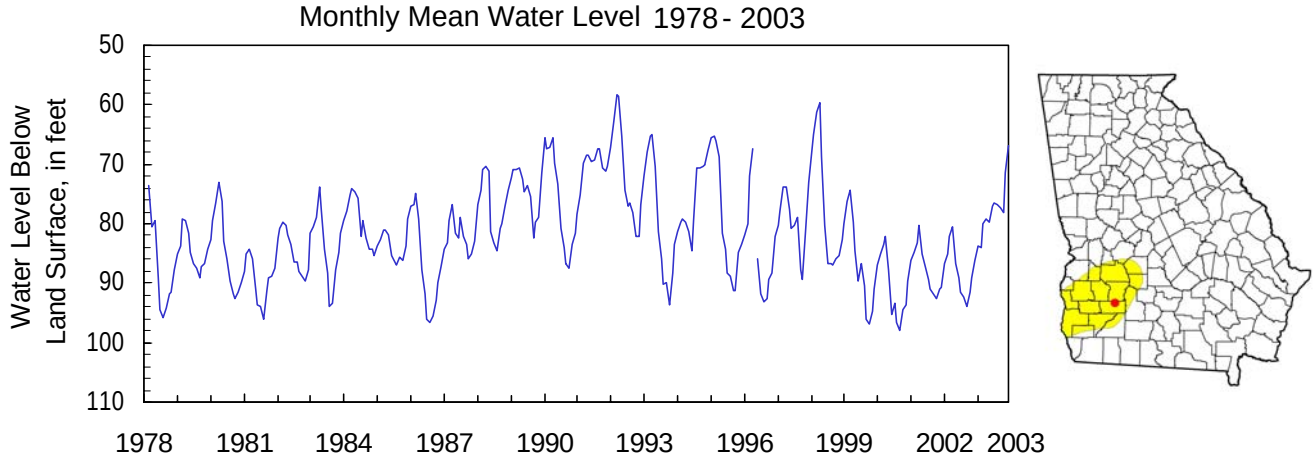
Latitude: 31°35'36" Longitude: 84°10'30" Dougherty County Period of Record: 1978
Well Depth: 257 feet Datum: 194 feet Well Diameter: 6 inches





Monthly Water-Level Statistics

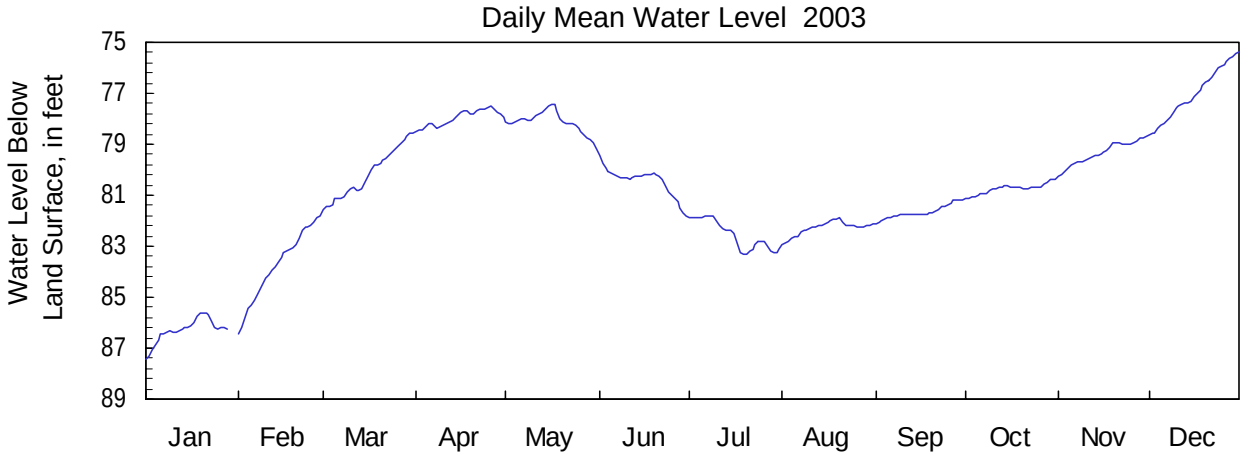
2003												
Max	83.87	85.13	81.38	79.73	81.23	78.99	77.54	77.43	81.70	81.64	75.07	68.67
Mean	83.87	83.98	80.01	79.08	79.79	77.16	76.42	76.89	77.42	78.08	71.53	66.81
Min	83.11	81.57	78.90	78.04	78.53	75.19	74.89	76.29	75.13	75.46	68.79	64.69
1978 - 2003												
Max	89.50	86.55	86.29	87.93	94.14	96.77	99.53	99.53	99.57	97.55	96.74	92.69
Mean	78.82	77.26	74.66	74.54	78.55	83.18	84.91	86.01	87.08	86.90	84.91	81.73
Min	63.73	60.05	57.54	57.31	61.16	67.70	67.58	66.40	66.11	69.41	68.79	64.69

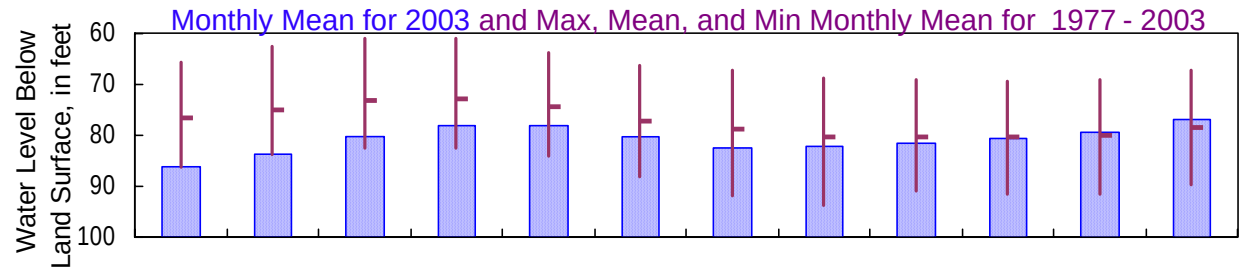


Claiborne Aquifer
2003 Calendar Year

313105084064301 **Site Name: 13L011**

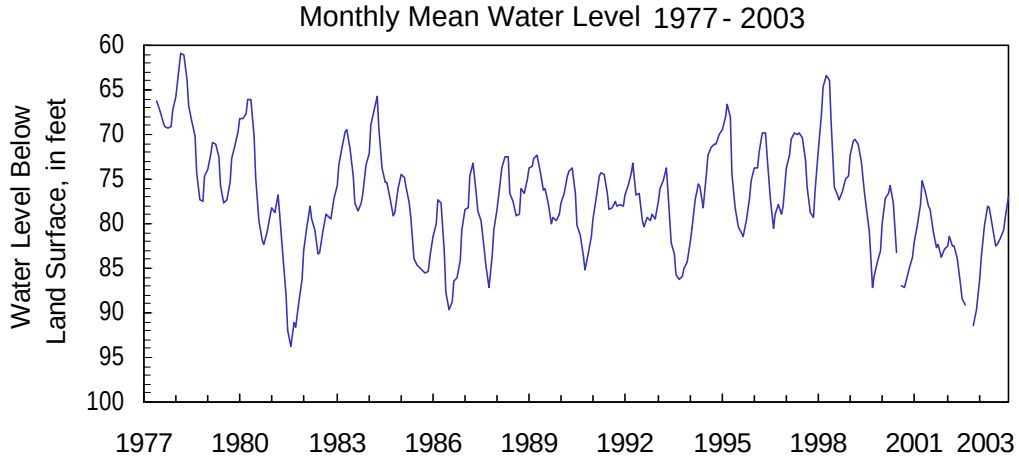
Latitude: 31°31' 05" Longitude: 84°06'43" Dougherty County Period of Record: 1977
Well Depth: 418 feet Datum: 194 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

2003												
Max	86.29	86.47	81.56	78.53	79.19	81.82	83.31	82.93	82.10	81.15	80.26	78.63
Mean	86.29	83.74	80.16	77.97	78.13	80.45	82.54	82.29	81.67	80.74	79.35	77.02
Min	85.63	81.78	78.55	77.53	77.42	79.46	81.79	81.90	81.16	80.35	78.71	75.38
1977 - 2003												
Max	87.42	86.47	84.32	84.55	86.16	90.02	94.38	94.97	91.79	92.48	91.91	92.10
Mean	76.46	74.91	73.25	72.72	74.46	77.42	78.79	79.91	80.62	80.55	79.95	78.55
Min	63.92	61.75	60.25	60.01	62.23	65.47	66.41	68.30	68.84	69.14	68.50	66.60

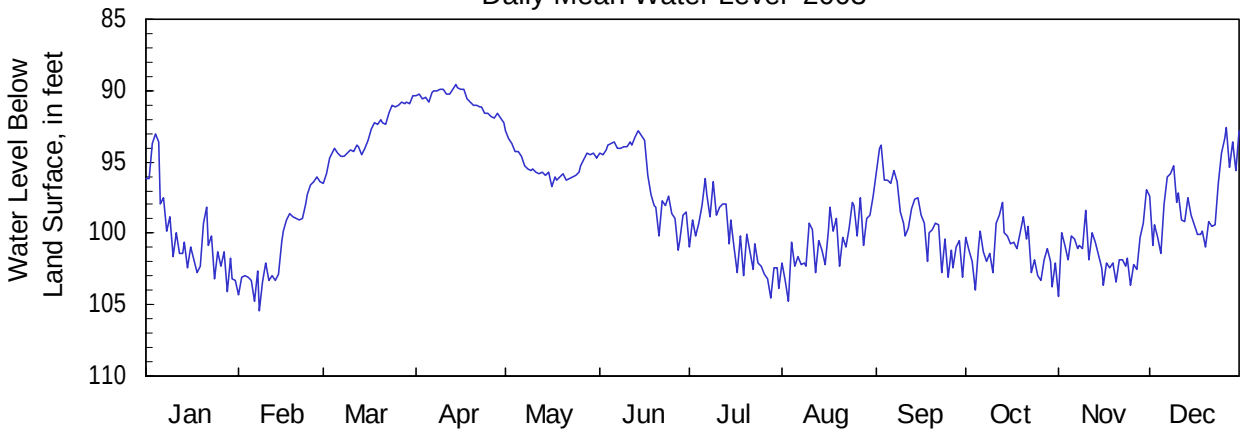


Claiborne Aquifer
2003 Calendar Year

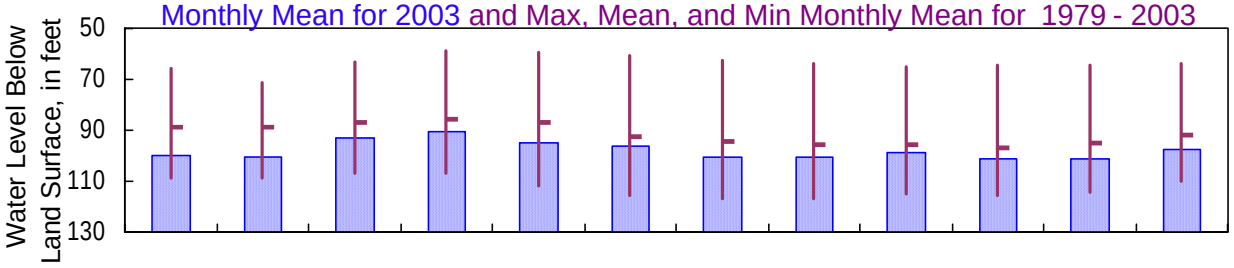
313625084041501 **Site Name: 13L015**

Latitude: 31°36'21" Longitude: 84°04'09" Dougherty County Period of Record: 1979
Well Depth: 351 feet Datum: 199 feet Well Diameter: 4 inches

Daily Mean Water Level 2003



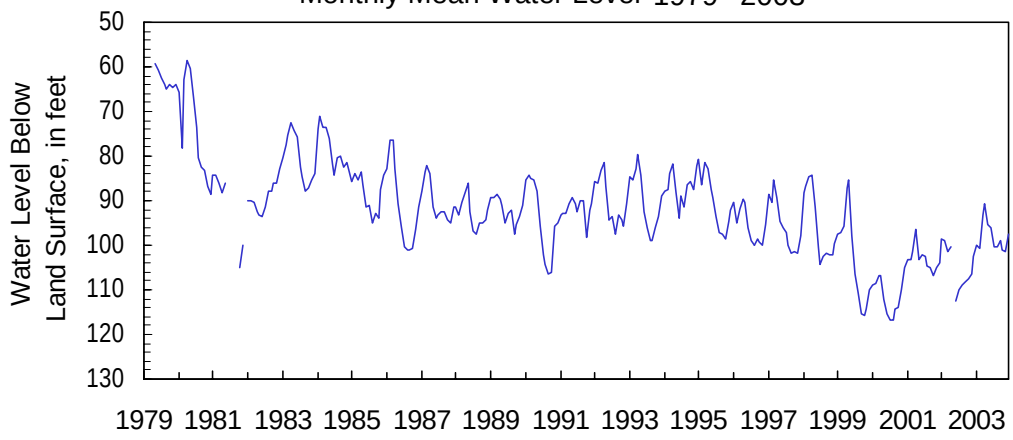
Monthly Mean for 2003 and Max, Mean, and Min Monthly Mean for 1979 - 2003



Monthly Water-Level Statistics

2003												
Max	100.04	105.41	96.53	92.21	96.69	101.18	104.49	104.80	103.10	103.99	104.41	101.46
Mean	100.04	100.78	93.04	90.67	95.26	95.99	100.45	100.52	98.94	101.12	101.39	97.64
Min	93.06	96.07	90.39	89.60	92.82	92.86	96.18	97.39	93.85	97.83	96.98	92.63
1979 - 2003												
Max	112.82	112.02	111.64	109.25	116.71	118.78	120.22	121.31	117.65	118.53	117.59	114.47
Mean	89.06	89.68	87.02	85.81	87.65	91.72	94.63	96.01	96.07	96.56	94.74	92.10
Min	62.65	67.84	59.58	58.05	58.02	59.57	61.46	63.02	64.59	62.57	63.82	63.17

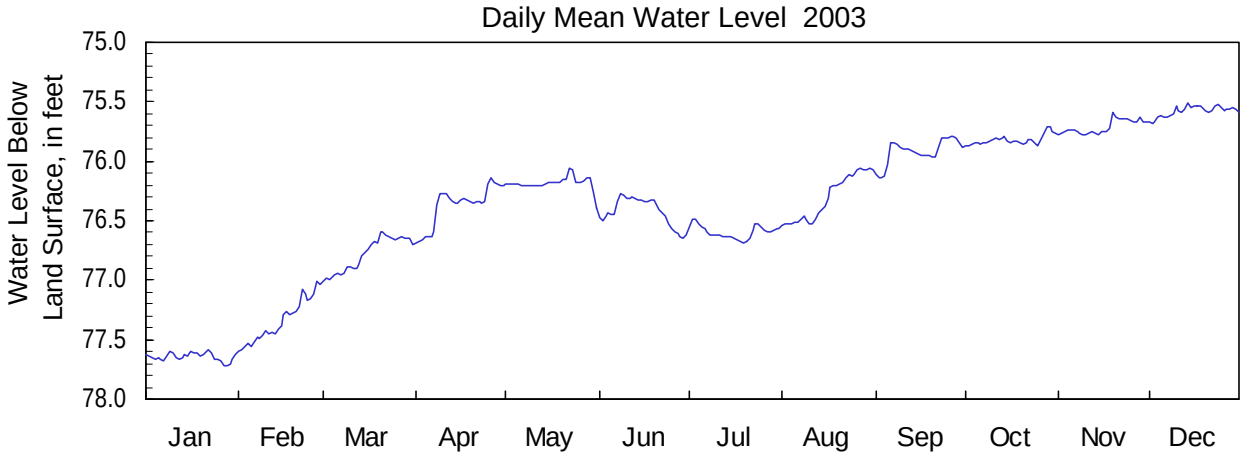
Monthly Mean Water Level 1979 - 2003

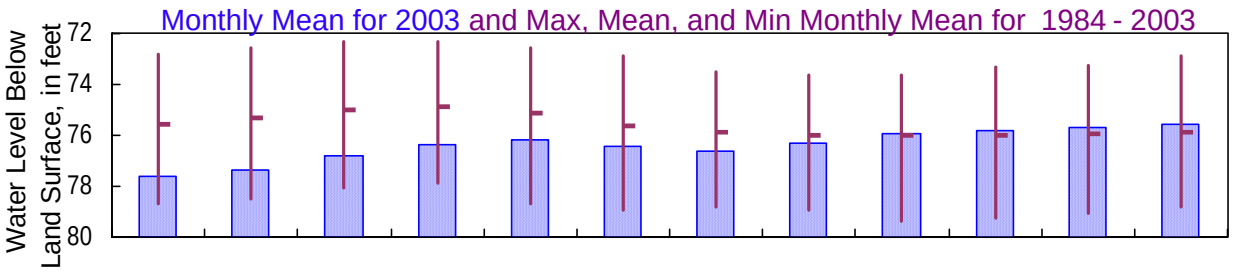


Claiborne Aquifer
2003 Calendar Year

312827084551503 **Site Name: 06K010**

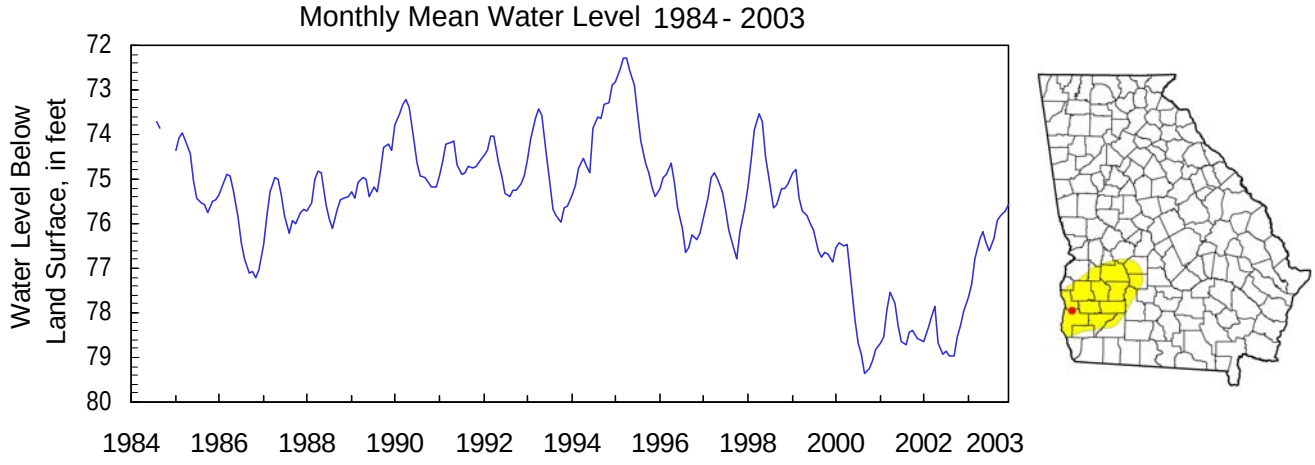
Latitude: 31°28' 24" Longitude: 84°55'15" Early County Period of Record: 1984
Well Depth: 140 feet Datum: 310 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

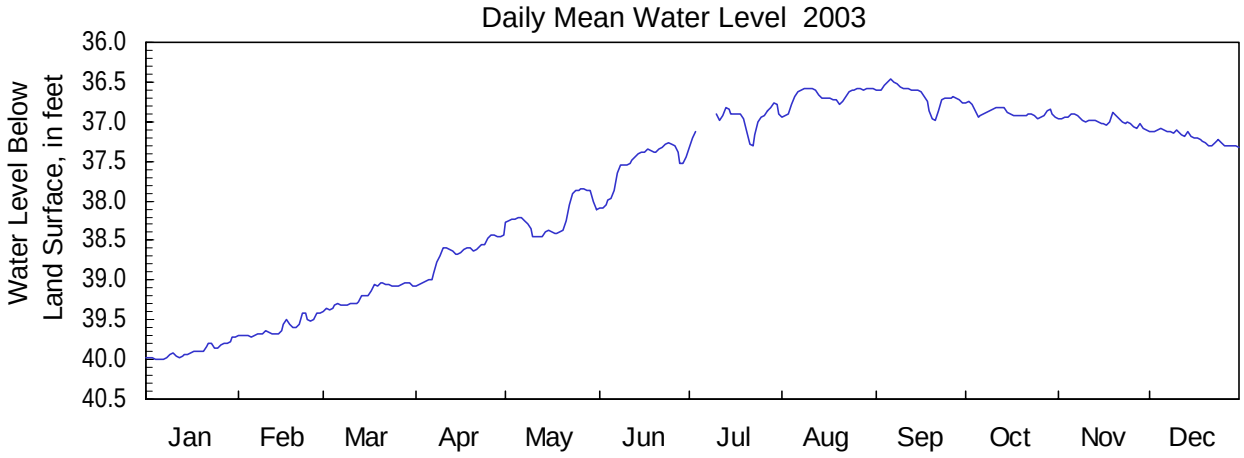
2003												
Max	77.64	77.60	77.01	76.69	76.40	76.64	76.69	76.54	76.14	75.88	75.78	75.68
Mean	77.64	77.34	76.78	76.37	76.19	76.42	76.60	76.31	75.92	75.82	75.71	75.58
Min	77.58	77.01	76.60	76.14	76.06	76.27	76.48	76.06	75.79	75.71	75.59	75.51
1984 - 2003												
Max	78.81	78.56	78.45	78.02	79.07	79.02	79.01	79.33	79.66	79.47	79.30	78.91
Mean	75.57	75.29	75.00	74.87	75.10	75.60	75.89	76.12	76.00	76.03	75.96	75.86
Min	72.66	72.37	72.22	72.23	72.33	72.70	73.08	73.51	73.43	73.23	73.04	72.82

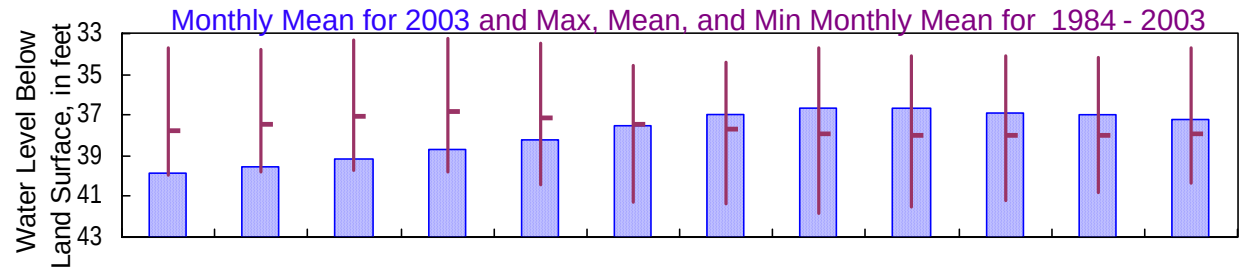


Claiborne Aquifer
2003 Calendar Year

315353084192502 **Site Name: 11P015**

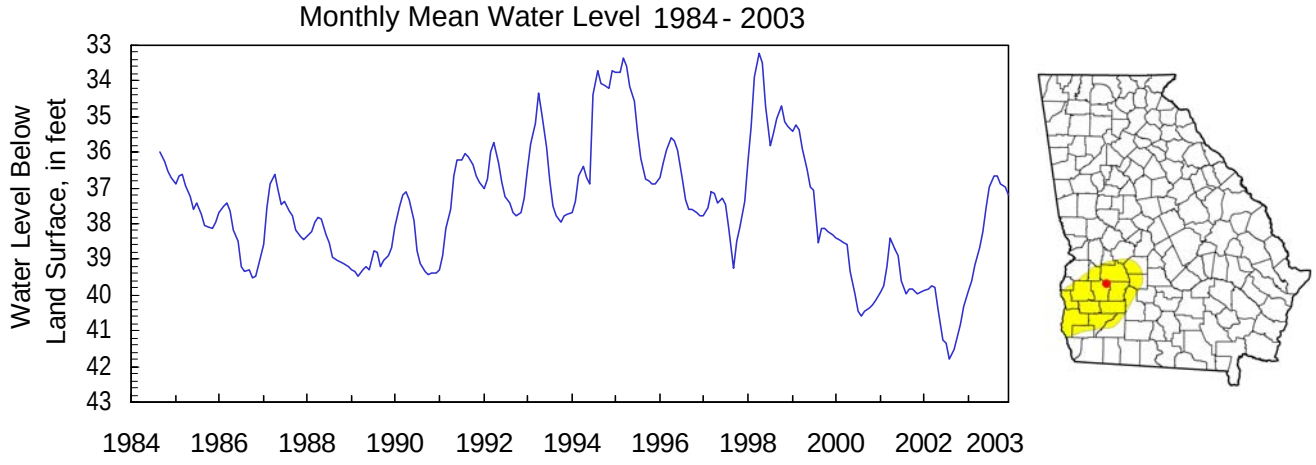
Latitude: 31°53' 50" Longitude: 84°19'21" Lee County Period of Record: 1984
Well Depth: 151 feet Datum: 338 feet Well Diameter: 6 inches





Monthly Water-Level Statistics

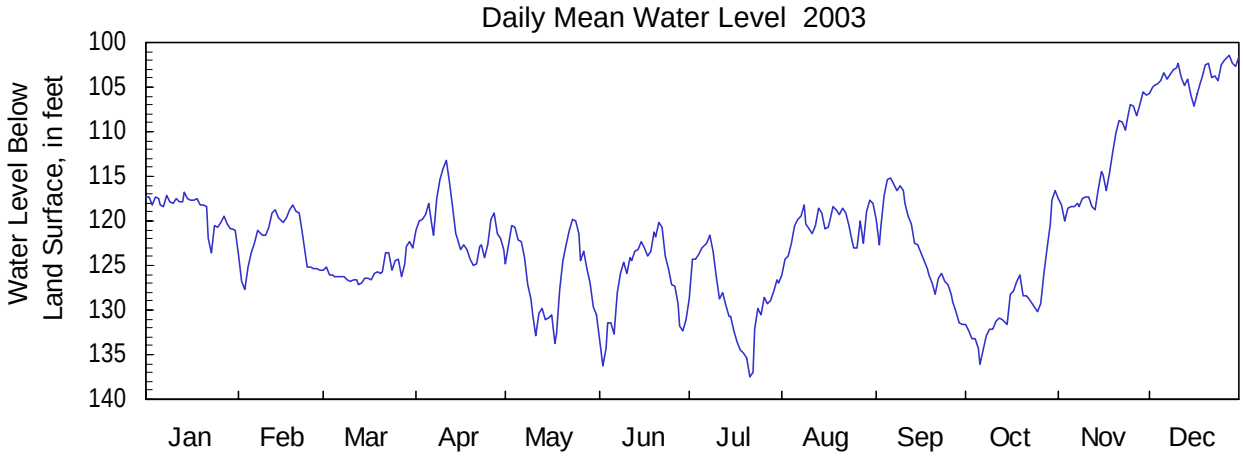
2003												
Max	39.90	39.71	39.39	39.07	38.46	38.09	37.33	36.94	36.98	36.96	37.11	37.33
Mean	39.90	39.60	39.18	38.68	38.20	37.54	36.99	36.67	36.66	36.88	36.99	37.20
Min	39.71	39.41	39.04	38.43	37.85	37.27	36.77	36.58	36.46	36.75	36.89	37.09
1984 - 2003												
Max	40.02	39.93	39.87	40.09	41.01	41.67	41.74	42.10	41.97	41.30	41.08	40.58
Mean	37.69	37.44	37.04	36.86	37.12	37.48	37.67	37.94	38.02	37.99	38.01	37.92
Min	33.59	33.50	33.22	33.01	32.98	33.81	33.58	33.60	33.89	33.98	34.04	33.53

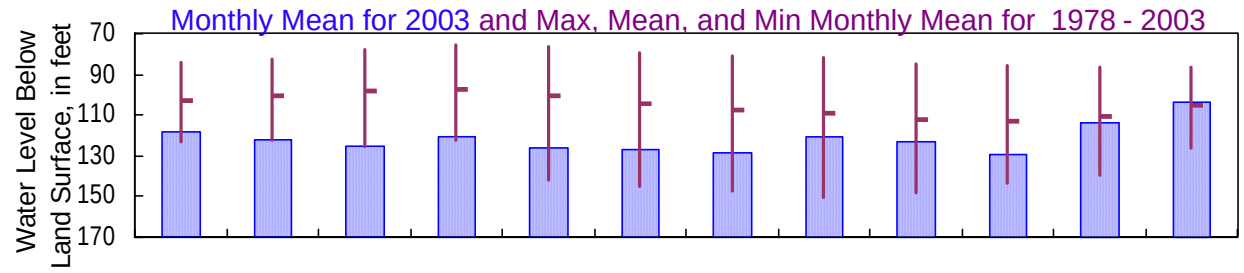


Claiborne Aquifer
2003 Calendar Year

313813084125001 **Site Name: 12M001**

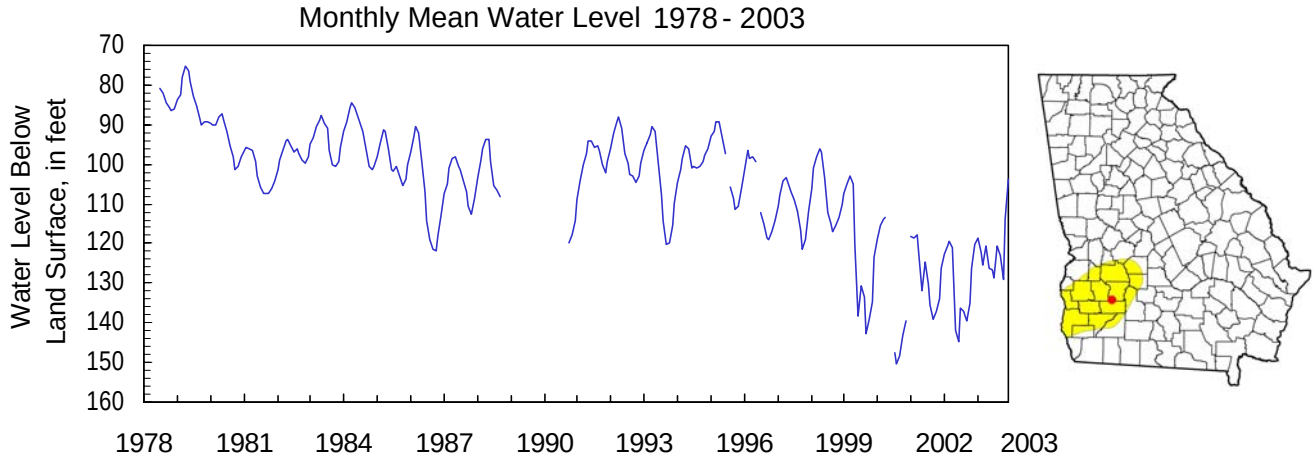
Latitude: 31°38' 11" Longitude: 84°12'49" Lee County Period of Record: 1978
Well Depth: 385 feet Datum: 238 feet Well Diameter: 6 inches





Monthly Water-Level Statistics

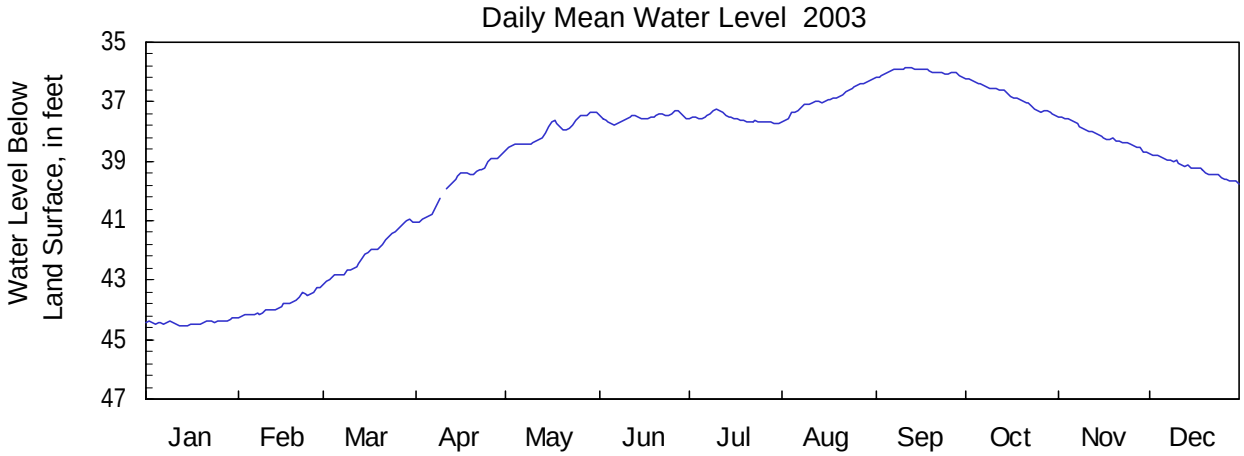
2003												
Max	118.77	127.65	127.13	124.96	133.67	136.25	137.42	126.10	131.69	136.02	119.93	107.17
Mean	118.77	122.13	125.56	120.64	126.22	126.81	128.83	120.56	123.03	129.17	113.77	103.70
Min	116.81	118.21	122.30	113.25	119.85	120.22	121.53	117.62	115.24	116.64	105.63	101.35
1978 - 2003												
Max	123.55	127.65	127.13	131.21	147.15	148.75	152.89	158.47	157.57	145.41	142.90	132.66
Mean	102.62	100.46	98.00	95.62	97.92	103.57	108.02	110.22	112.90	113.67	110.29	105.58
Min	83.27	80.07	76.20	74.47	74.71	77.48	80.98	81.28	83.78	84.89	86.23	85.00

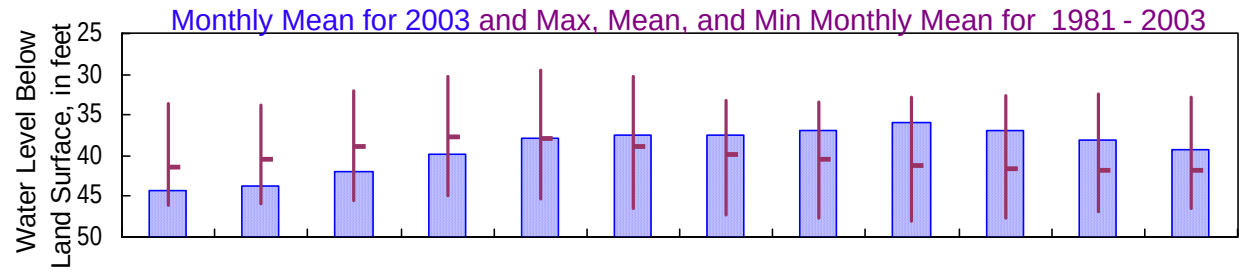


Claiborne Aquifer
2003 Calendar Year

311802084192301 **Site Name: 11J011**

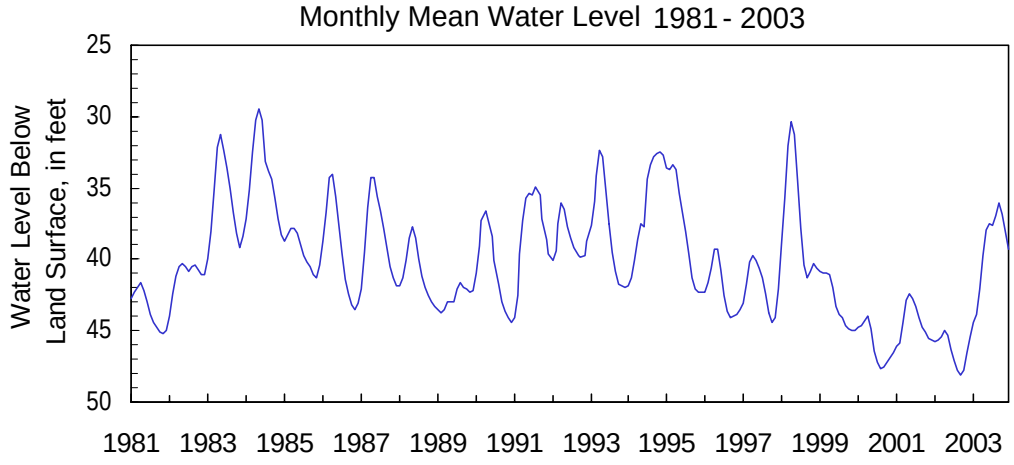
Latitude: 31°18' 02" Longitude: 84°19'23" Mitchell County Period of Record: 1981
Well Depth: 417 feet Datum: 165 feet Well Diameter: 4 inches

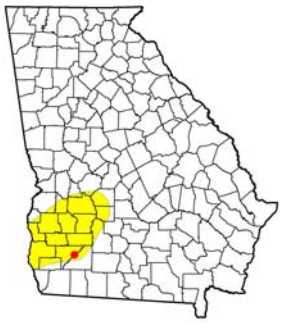




Monthly Water-Level Statistics

2003												
Max	44.42	44.26	43.14	41.08	38.63	37.77	37.75	37.69	36.20	37.47	38.71	39.74
Mean	44.42	43.83	42.09	39.76	37.98	37.53	37.56	36.91	35.99	36.82	38.11	39.23
Min	44.26	43.24	40.96	38.71	37.35	37.28	37.27	36.23	35.85	36.21	37.50	38.74
1981 - 2003												
Max	46.26	45.95	45.88	45.20	45.64	46.87	47.47	48.10	48.36	48.09	47.20	46.66
Mean	41.30	40.39	38.94	37.76	37.94	39.04	39.74	40.49	41.12	41.61	41.88	41.77
Min	33.22	32.59	29.78	29.54	29.13	29.67	29.86	32.72	32.72	32.33	32.30	32.34

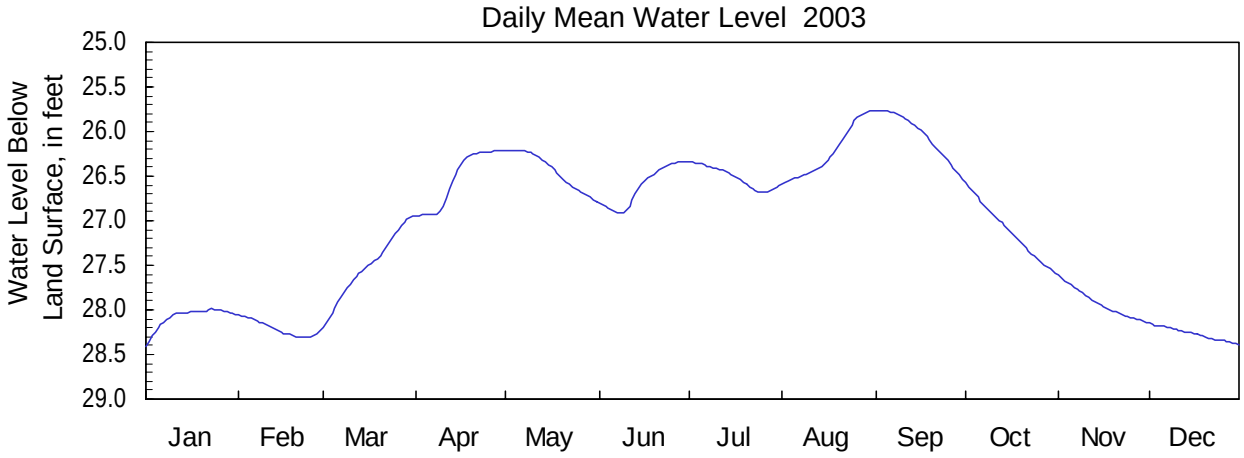


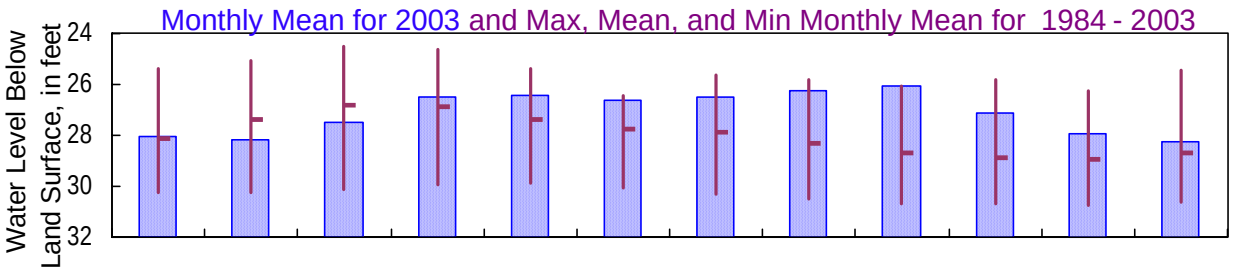


Claiborne Aquifer
2003 Calendar Year

313953084361201 **Site Name: 09M009**

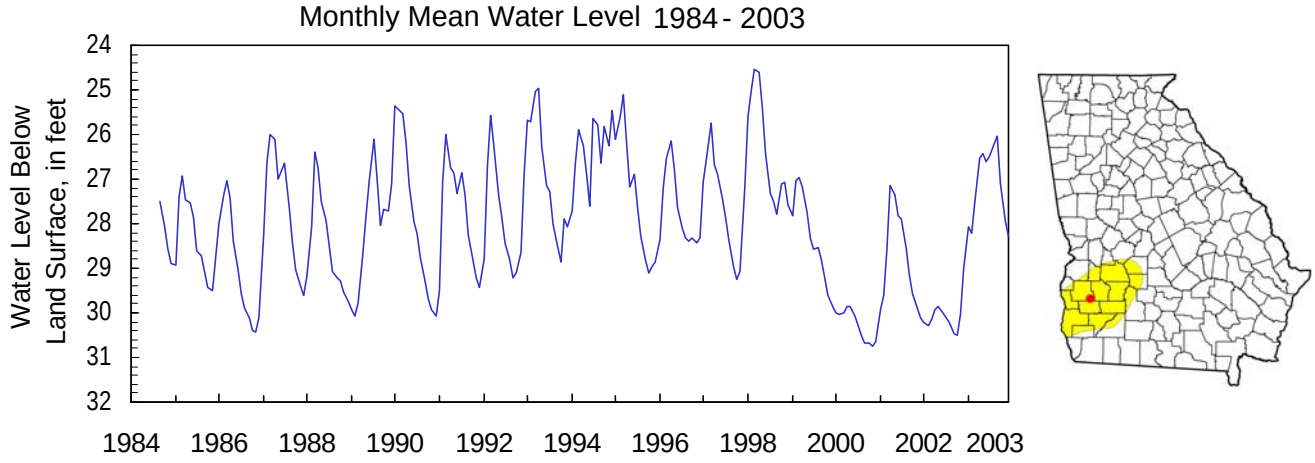
Latitude: 31°39' 52" Longitude: 84°36'15" Randolph County Period of Record: 1984
Well Depth: 94 feet Datum: 320 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

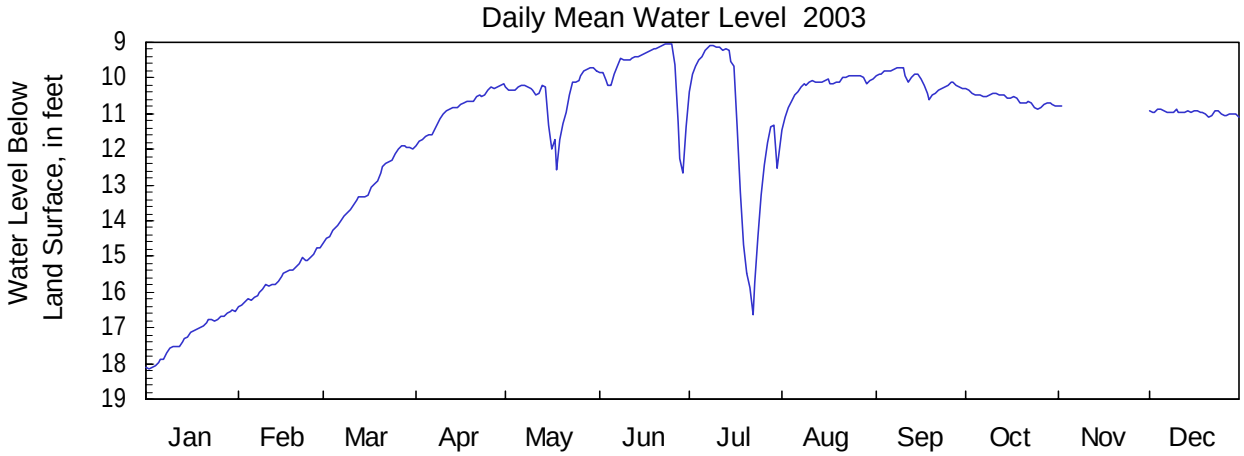
2003												
Max	28.08	28.30	28.19	26.94	26.78	26.91	26.67	26.59	26.53	27.59	28.13	28.38
Mean	28.08	28.21	27.52	26.53	26.44	26.61	26.51	26.23	26.04	27.12	27.92	28.27
Min	27.99	28.06	26.95	26.22	26.21	26.34	26.34	25.76	25.76	26.57	27.61	28.14
1984 - 2003												
Max	30.45	30.29	30.25	30.01	29.96	30.16	30.40	30.63	30.71	30.71	30.76	30.72
Mean	28.15	27.40	26.80	26.90	27.39	27.78	27.90	28.33	28.69	28.86	28.95	28.71
Min	24.98	24.90	24.25	24.28	24.97	25.92	25.06	25.39	25.76	25.57	25.83	25.10

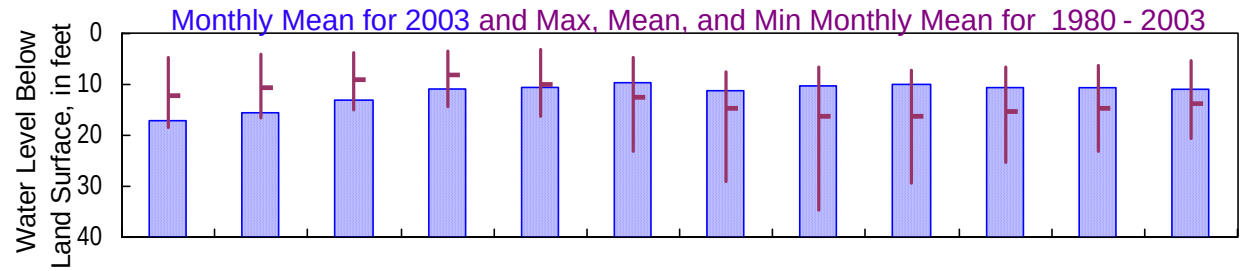


Claiborne Aquifer
2003 Calendar Year

314330084005401 **Site Name: 13M005**

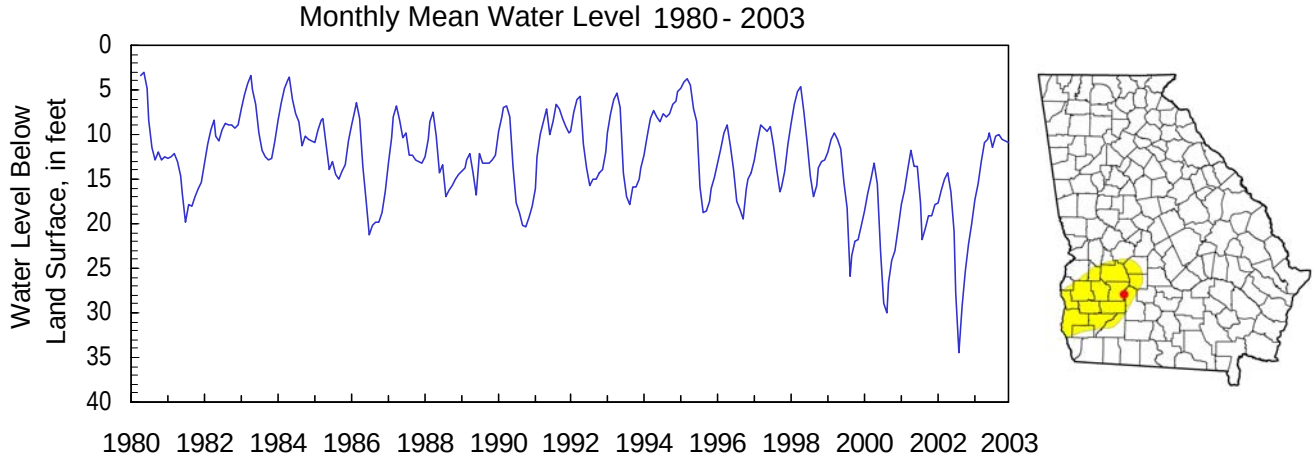
Latitude: 31°43' 30" Longitude: 84°00'51" Worth County Period of Record: 1980
Well Depth: 345 feet Datum: 237 feet Well Diameter: 3 inches





Monthly Water-Level Statistics

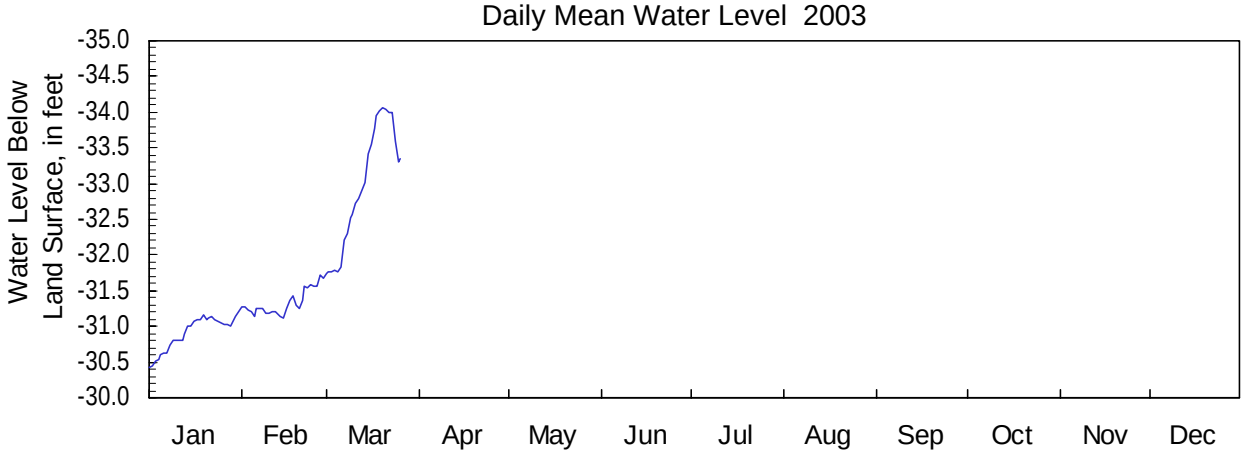
2003												
Max	17.25	16.42	14.62	11.89	12.55	12.67	16.62	11.44	10.59	10.88	10.79	11.09
Mean	17.25	15.61	13.11	10.88	10.49	9.80	11.38	10.22	10.07	10.59	10.78	10.97
Min	16.52	14.76	11.89	10.15	9.71	9.02	9.08	9.92	9.71	10.31	10.77	10.87
1980 - 2003												
Max	19.40	17.43	15.86	15.76	21.57	27.55	32.72	36.35	32.61	26.21	23.98	21.39
Mean	12.16	10.49	8.98	8.49	10.08	12.59	14.81	16.34	16.23	15.30	14.88	13.64
Min	4.57	3.47	3.53	3.02	2.89	3.08	5.09	6.31	6.48	6.27	5.96	4.89



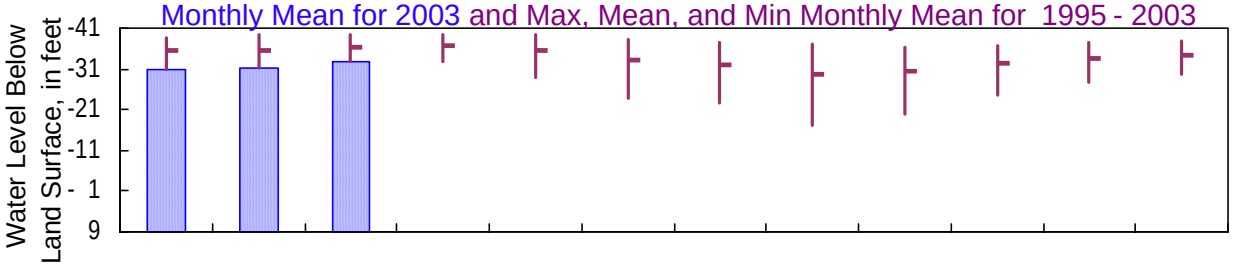
Gordon Aquifer
2003 Calendar Year
330548081391103 Site Name: 32Y033

Latitude: 33°05' 48" Longitude: 81°39'11" Burke County Period of Record: 1995
Well Depth: 210 feet Datum: 84 feet Well Diameter: 4 inches

Daily Mean Water Level 2003



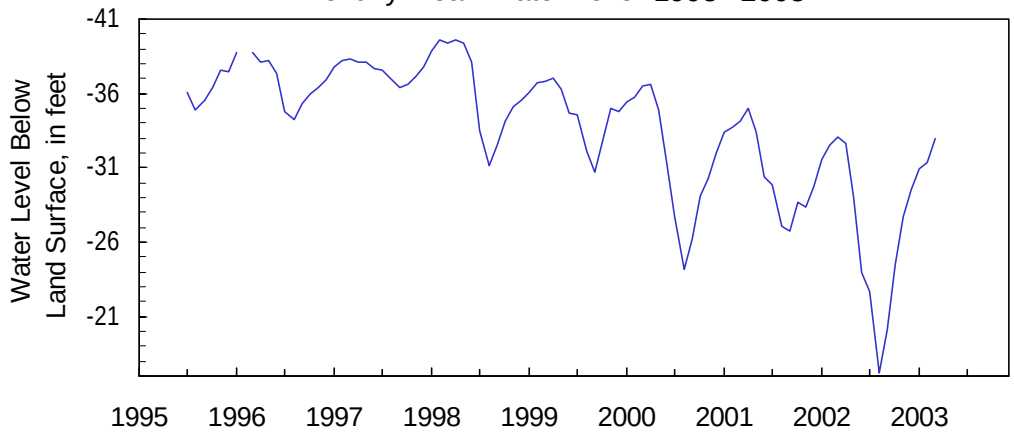
Monthly Mean for 2003 and Max, Mean, and Min Monthly Mean for 1995 - 2003

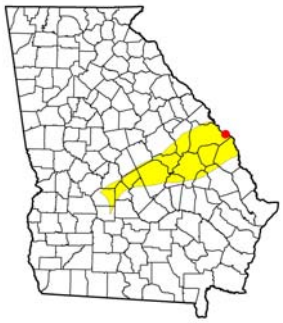


Monthly Water-Level Statistics

2003												
Max	-30.91	-31.11	-31.74									
Mean	-30.91	-31.33	-32.95									
Min	-31.21	-31.71	-34.07									
1995 - 2003												
Max	-30.43	-31.11	-31.74	-31.08	-26.53	-22.87	-20.33	-15.26	-17.11	-22.58	-26.28	-28.84
Mean	-34.75	-35.41	-36.09	-36.66	-35.59	-33.35	-31.88	-29.71	-30.31	-32.13	-33.44	-33.92
Min	-39.43	-40.15	-39.74	-40.20	-40.19	-38.44	-37.77	-37.37	-36.59	-37.09	-38.50	-38.91

Monthly Mean Water Level 1995 - 2003



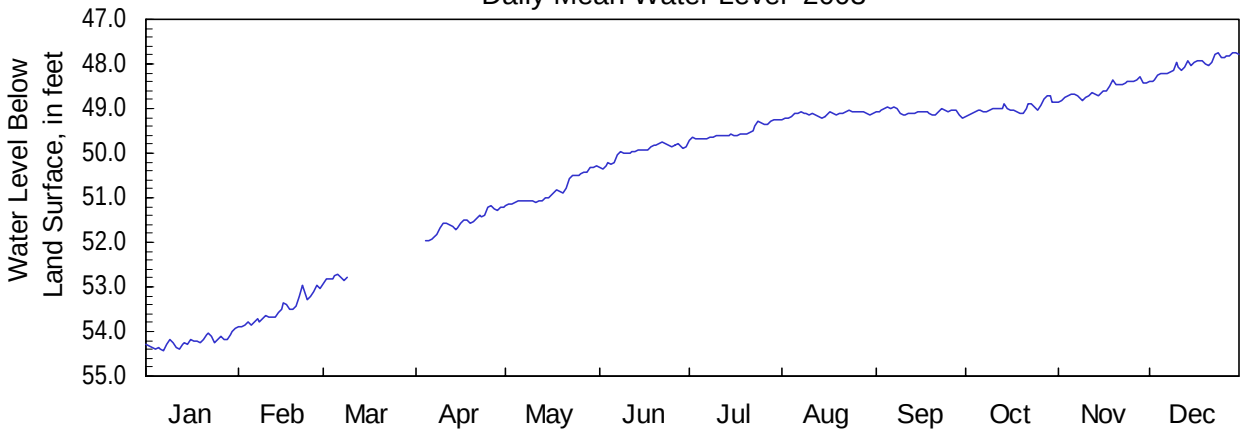


Clayton Aquifer
2003 Calendar Year

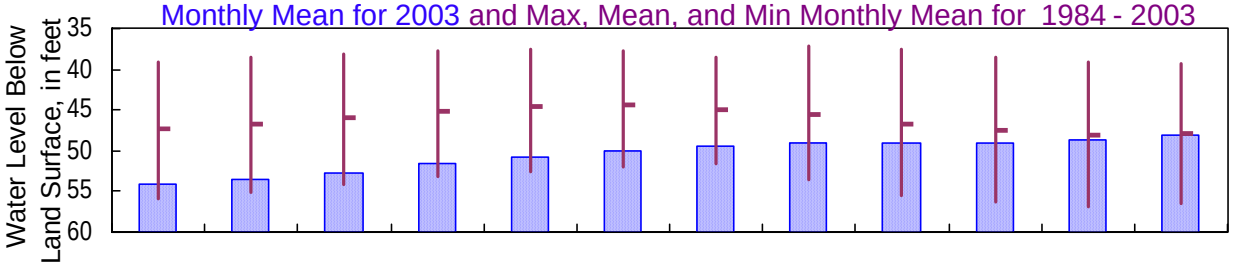
315731083542301 **Site Name: 14P014**

Latitude: 31°57'31" Longitude: 83°54'23" Crisp County Period of Record: 1984
Well Depth: 550 feet Datum: 251 feet Well Diameter: 6 inches

Daily Mean Water Level 2003



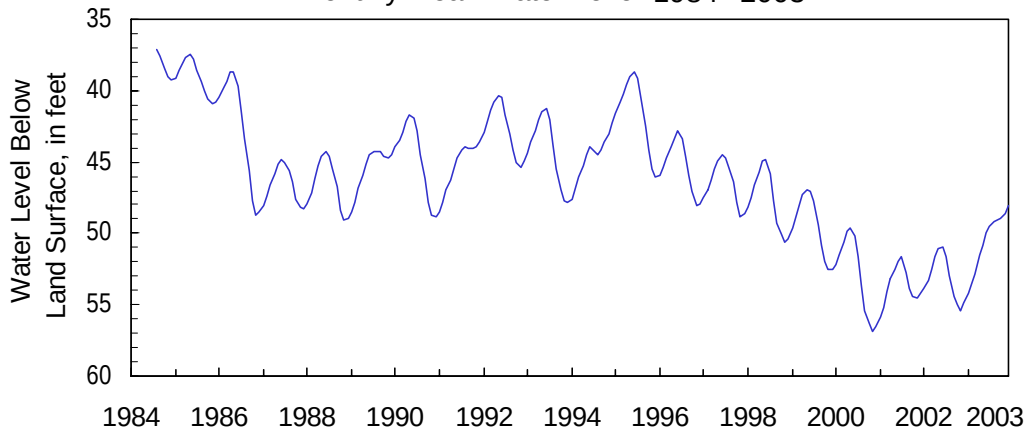
Monthly Mean for 2003 and Max, Mean, and Min Monthly Mean for 1984 - 2003



Monthly Water-Level Statistics

2003												
Max	54.22	53.91	52.92	51.97	51.17	50.34	49.72	49.23	49.21	49.18	48.85	48.41
Mean	54.22	53.51	52.80	51.55	50.83	49.97	49.53	49.12	49.07	48.99	48.59	48.01
Min	53.93	52.97	52.70	51.17	50.27	49.75	49.23	49.05	48.98	48.70	48.29	47.73
1984 - 2003												
Max	56.29	55.52	54.73	53.59	52.82	52.28	52.61	54.74	55.92	56.65	57.02	56.92
Mean	47.38	46.71	45.68	45.14	44.61	44.44	44.94	45.96	46.67	47.53	48.01	47.84
Min	38.93	38.40	37.88	37.52	37.26	37.50	38.18	37.17	37.16	37.88	38.66	39.01

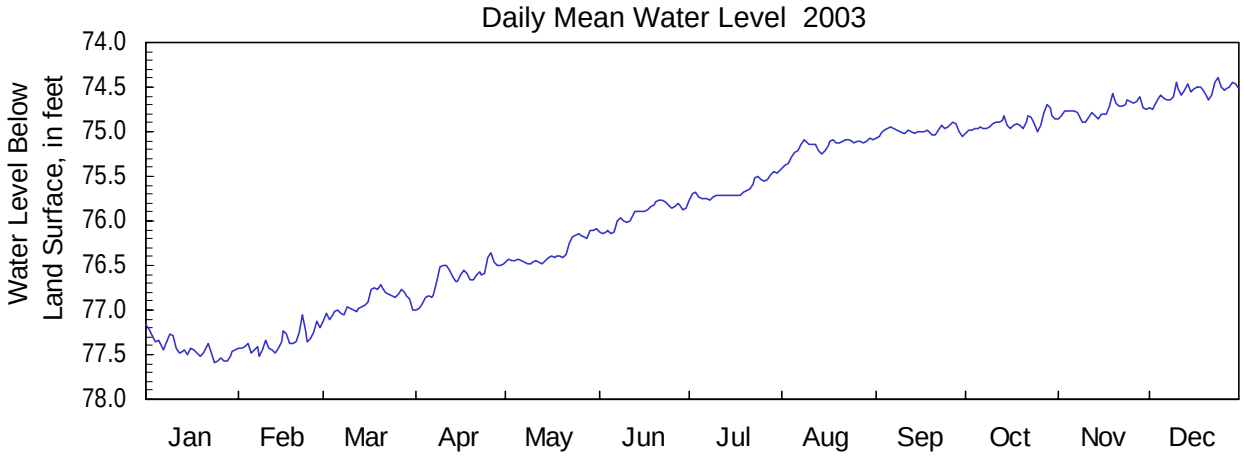
Monthly Mean Water Level 1984 - 2003

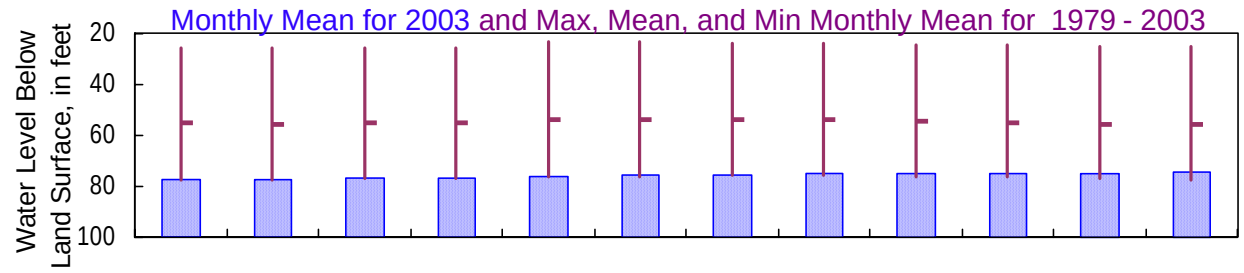


Clayton Aquifer
2003 Calendar Year

312654084210103 **Site Name: 11K005**

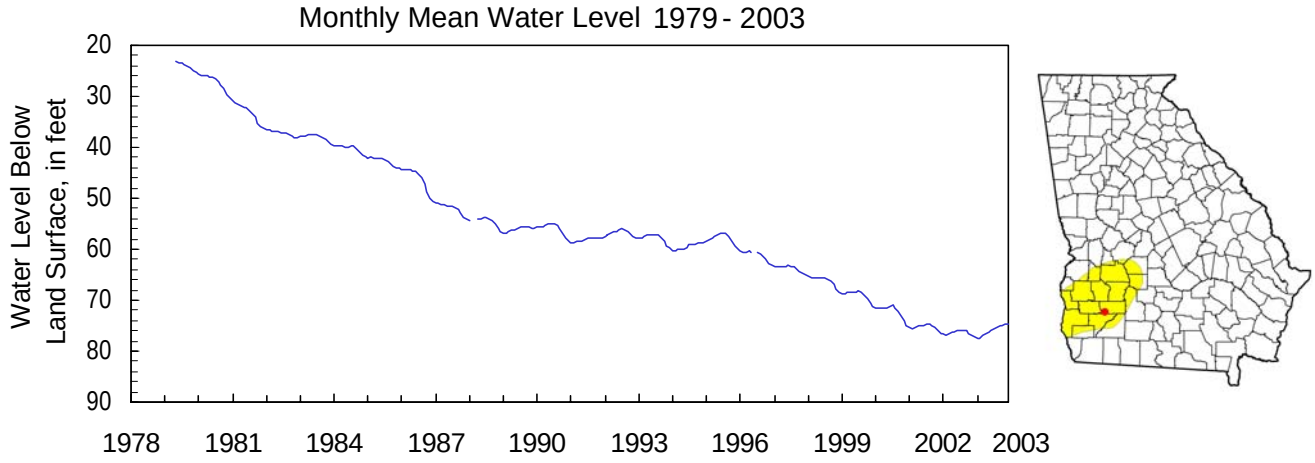
Latitude: 31°26' 54" Longitude: 84°21'01" Dougherty County Period of Record: 1979
Well Depth: 646 feet Datum: 181 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

2003												
Max	77.43	77.51	77.12	77.01	76.48	76.15	75.77	75.42	75.08	75.02	74.89	74.75
Mean	77.43	77.35	76.92	76.64	76.35	75.93	75.65	75.16	74.99	74.90	74.75	74.56
Min	77.17	77.05	76.71	76.37	76.08	75.77	75.44	75.08	74.89	74.69	74.57	74.40
1979 - 2003												
Max	77.58	77.51	77.12	77.01	76.48	76.15	75.97	75.98	76.20	76.67	77.20	77.44
Mean	55.94	54.93	54.89	55.64	53.94	52.95	53.58	54.19	54.60	55.24	55.81	56.24
Min	25.38	25.62	25.60	25.75	23.03	23.07	23.39	23.53	23.90	24.23	24.70	25.00

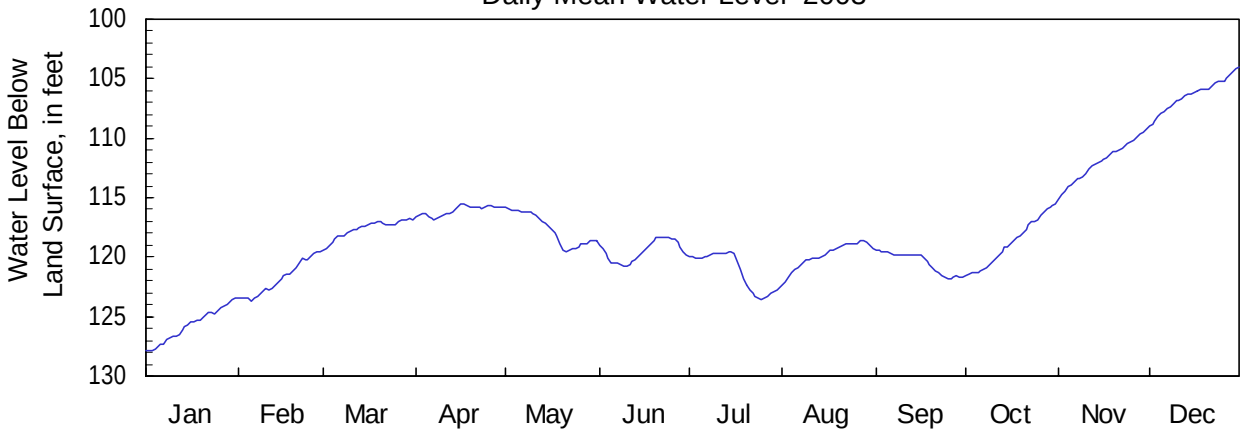


Clayton Aquifer
2003 Calendar Year

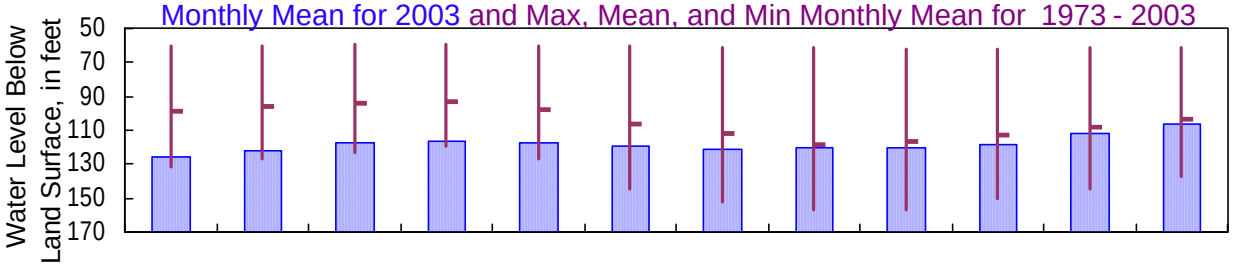
313532084203501 **Site Name: 11L002**

Latitude: 31°35'32" Longitude: 84°20'32" Dougherty County Period of Record: 1973
Well Depth: 656 feet Datum: 222 feet Well Diameter: 3 inches

Daily Mean Water Level 2003



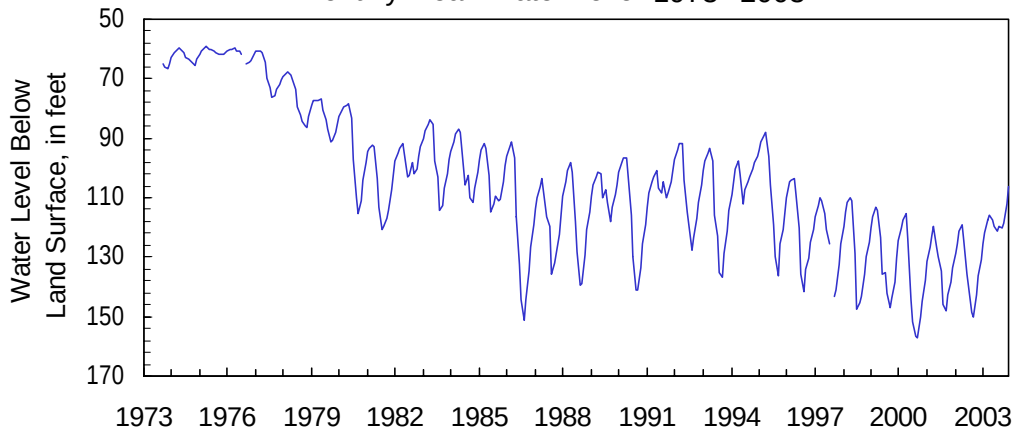
Monthly Mean for 2003 and Max, Mean, and Min Monthly Mean for 1973 - 2003



Monthly Water-Level Statistics

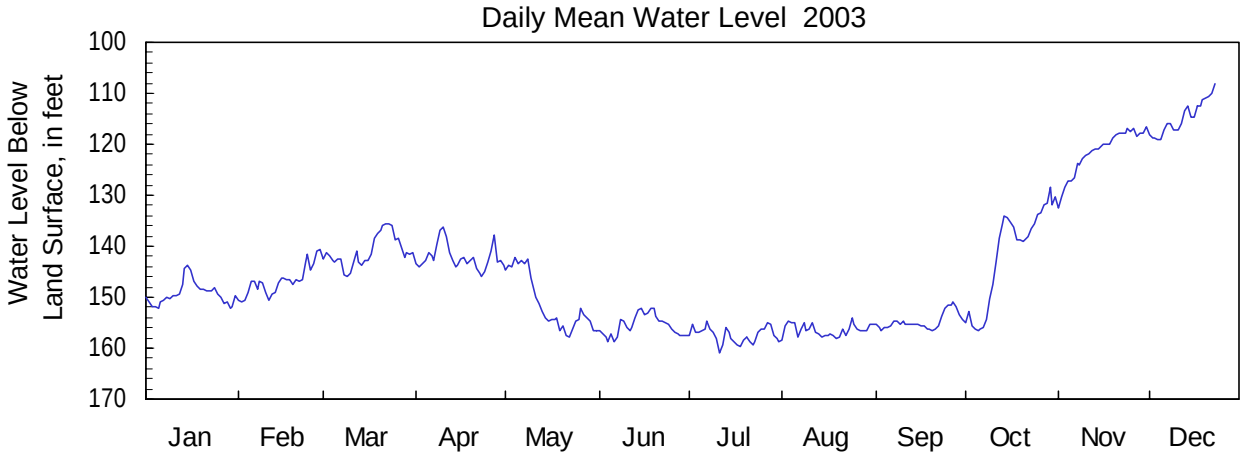
2003												
Max	125.72	123.65	119.47	116.85	119.50	120.75	123.53	122.35	121.84	121.56	115.10	109.00
Mean	125.72	121.83	117.61	116.10	117.65	119.49	121.19	119.85	120.44	118.79	111.97	106.32
Min	123.44	119.50	116.77	115.57	115.85	118.30	119.55	118.65	119.40	115.49	109.29	104.05
1973 - 2003												
Max	134.49	128.77	124.64	120.85	135.53	148.58	156.18	160.82	160.71	152.52	147.77	141.07
Mean	99.43	96.11	94.10	93.37	99.04	107.33	112.92	117.72	118.61	113.55	108.26	103.76
Min	60.35	60.00	59.30	58.90	59.13	60.17	60.85	61.00	61.68	61.34	61.53	60.93

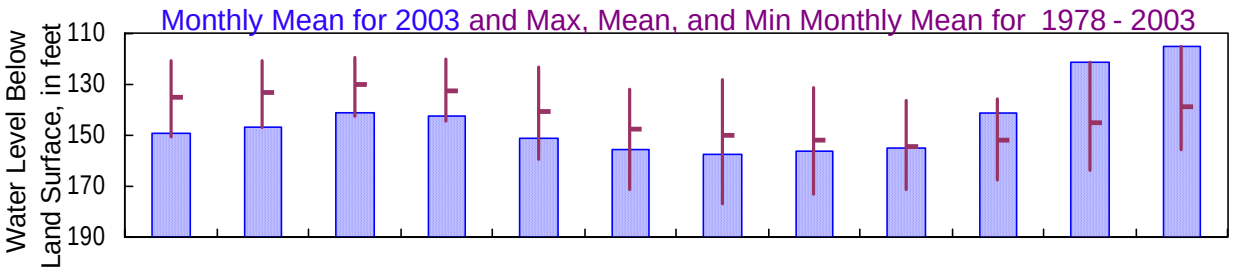
Monthly Mean Water Level 1973 - 2003



Clayton Aquifer
2003 Calendar Year
313534084103002 Site Name: 12L020

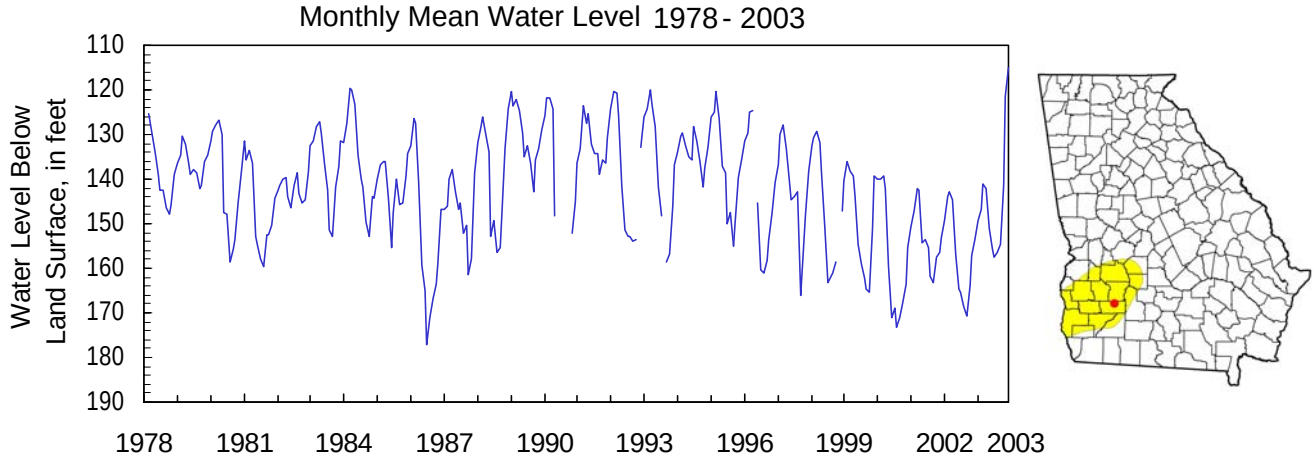
Latitude: 31°35'35" Longitude: 84°10'30" Dougherty County Period of Record: 1978
Well Depth: 690 feet Datum: 194 feet Well Diameter: 3 inches





Monthly Water-Level Statistics

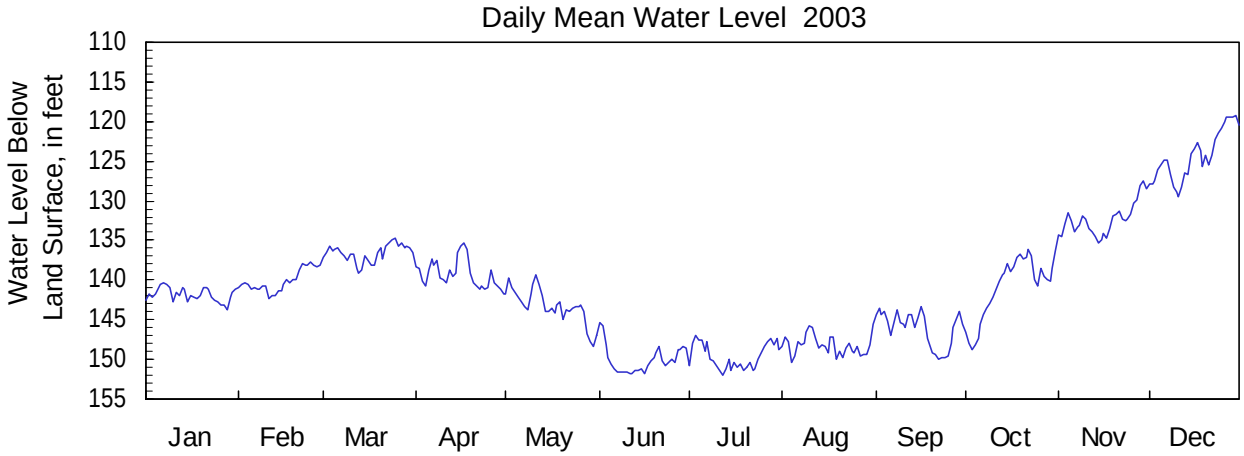
2003												
Max	149.32	151.03	146.04	145.81	157.78	158.67	160.79	158.42	156.63	156.47	132.39	119.10
Mean	149.32	146.79	141.04	142.27	151.17	155.59	157.44	156.39	154.80	141.44	121.44	114.84
Min	143.82	140.54	135.75	136.31	142.09	152.06	154.57	153.96	151.06	128.56	116.71	108.14
1978 - 2003												
Max	153.57	152.86	149.42	152.75	170.41	173.74	180.74	178.15	177.64	173.42	169.63	161.15
Mean	135.28	132.85	130.14	132.35	140.85	147.99	149.94	151.96	154.06	151.77	145.06	138.74
Min	117.84	116.95	115.60	116.45	115.83	122.04	119.78	127.13	131.58	127.05	116.71	108.14

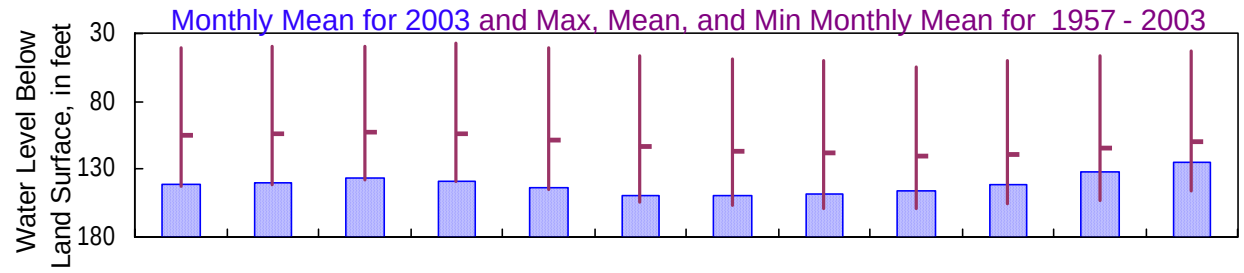


Clayton Aquifer
2003 Calendar Year

313554084062501 **Site Name: 13L002**

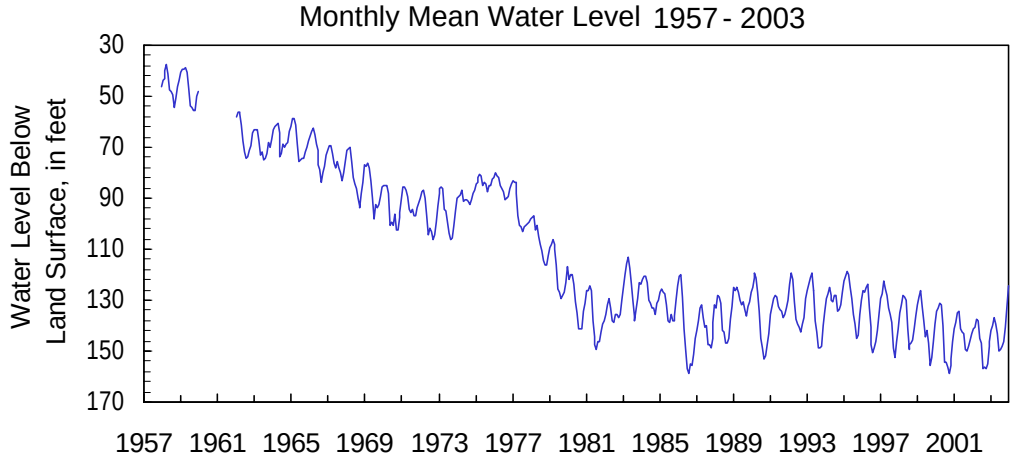
Latitude: 31°35'51" Longitude: 84°06'24" Dougherty County Period of Record: 1957
Well Depth: 760 feet Datum: 212 feet Well Diameter: 12 inches





Monthly Water-Level Statistics

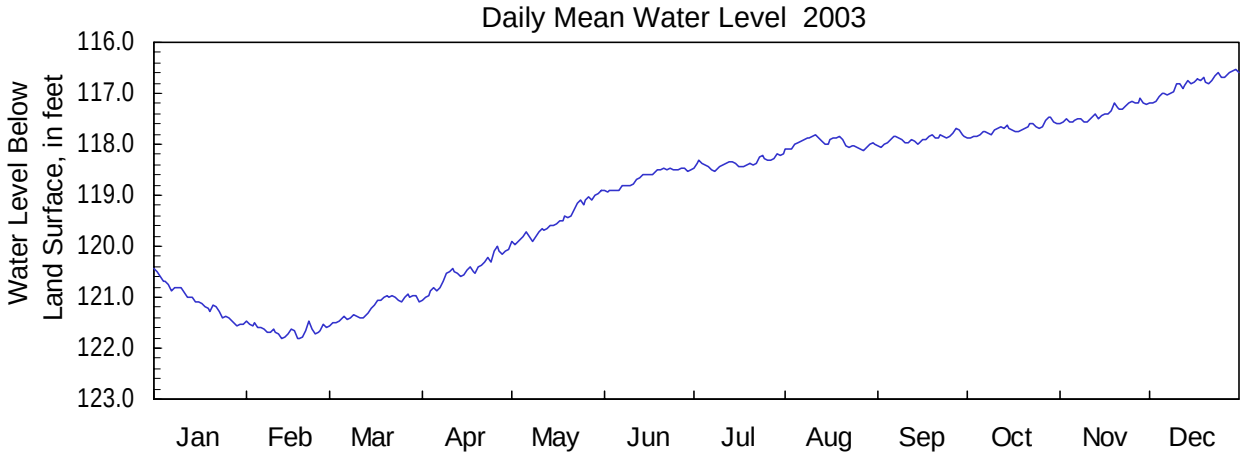
2003												
Max	141.81	142.40	139.22	141.75	148.39	151.85	151.93	150.37	149.92	148.77	135.24	129.52
Mean	141.81	140.11	136.60	139.25	143.28	150.05	149.64	148.22	146.10	140.87	132.43	124.36
Min	140.35	137.67	134.65	135.39	139.27	145.36	146.97	145.60	143.36	136.02	127.50	119.22
1957 - 2003												
Max	144.50	144.01	141.39	144.86	150.83	156.34	160.88	161.36	163.08	158.86	158.23	149.93
Mean	105.36	104.21	102.29	103.49	108.45	113.09	115.97	117.46	119.72	118.43	114.48	109.87
Min	40.51	38.92	37.50	36.15	38.78	44.17	47.03	47.62	52.45	46.70	45.87	41.20

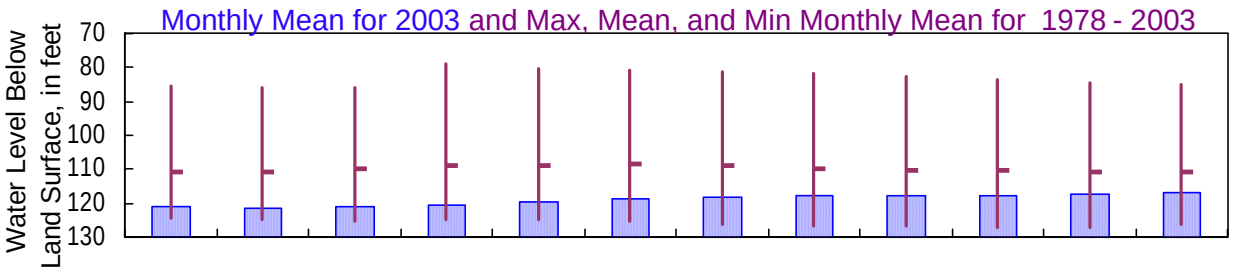


Clayton Aquifer
2003 Calendar Year

313105084064202 **Site Name: 13L013**

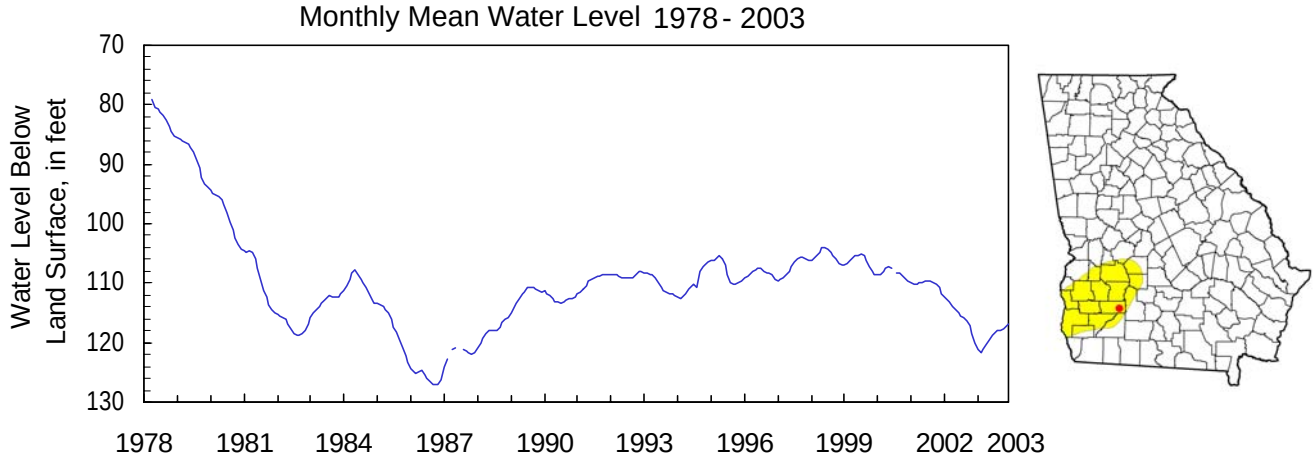
Latitude: 31°31' 05" Longitude: 84°06'43" Dougherty County Period of Record: 1978
Well Depth: 882 feet Datum: 194 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

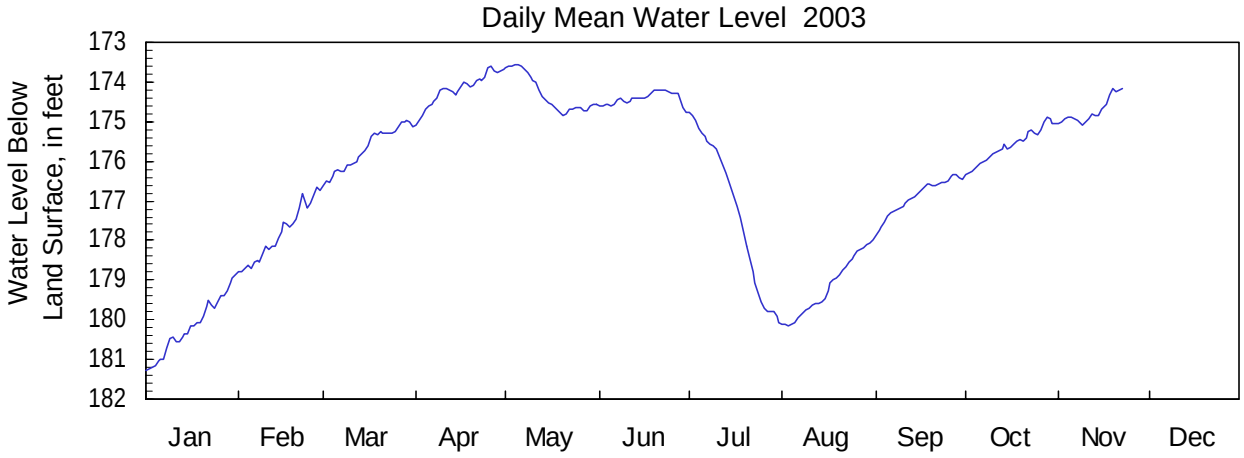
2003												
Max	121.07	121.80	121.56	121.06	119.98	118.93	118.52	118.11	118.06	117.89	117.60	117.20
Mean	121.07	121.65	121.21	120.49	119.49	118.65	118.36	117.97	117.88	117.69	117.38	116.82
Min	120.44	121.47	120.95	120.01	118.90	118.46	118.17	117.82	117.70	117.46	117.10	116.54
1978 - 2003												
Max	125.12	124.97	125.20	125.03	125.07	125.78	126.33	126.72	127.24	127.17	127.23	126.91
Mean	110.93	110.52	109.88	109.69	109.30	109.60	109.68	109.51	110.18	110.52	110.78	110.96
Min	85.43	85.74	85.93	79.09	79.01	80.73	80.92	81.27	82.03	83.13	84.10	84.75

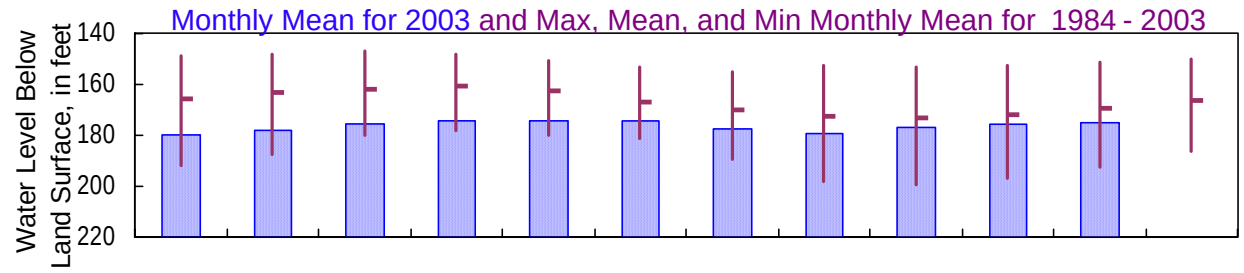


Clayton Aquifer
2003 Calendar Year

312827084551501 **Site Name: 06K009**

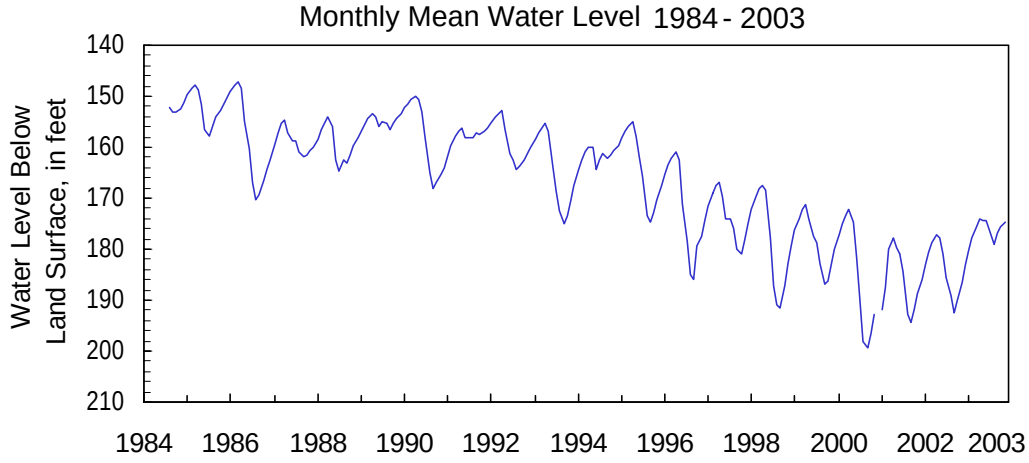
Latitude: 31°28' 24" Longitude: 84°55'16" Early County Period of Record: 1984
Well Depth: 612 feet Datum: 310 feet Well Diameter: 6 inches





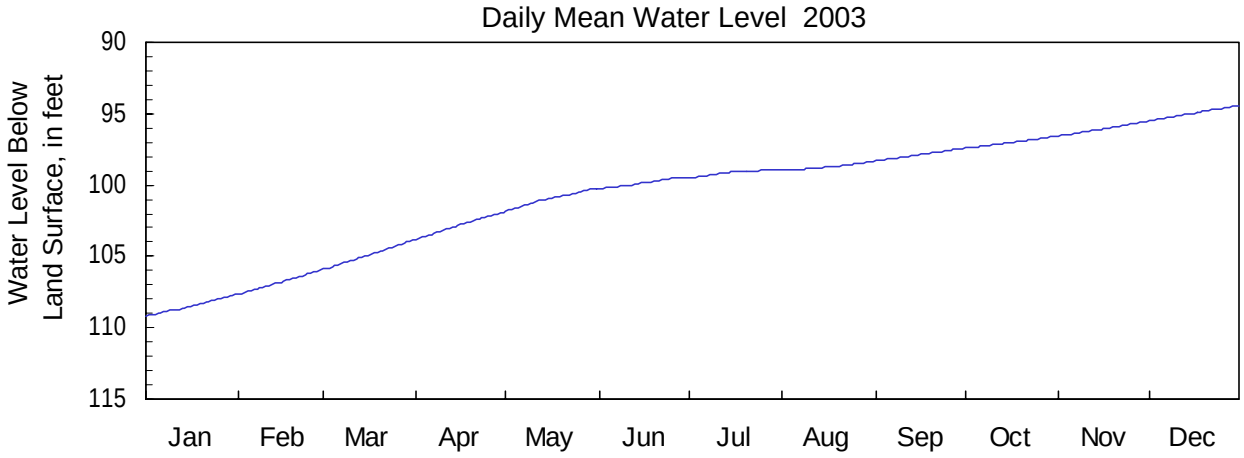
Monthly Water-Level Statistics

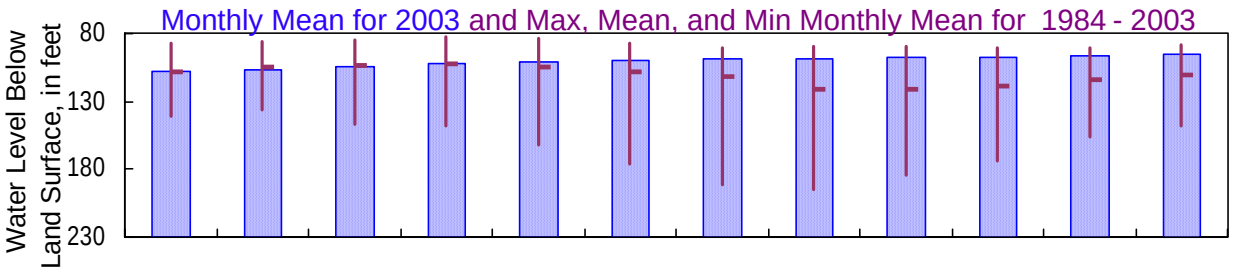
2003												
Max	180.17	178.79	176.61	175.09	174.85	174.78	180.06	180.14	177.86	176.35	175.08	
Mean	180.17	177.83	175.68	174.18	174.30	174.42	177.29	179.17	176.89	175.60	174.74	
Min	178.85	176.66	174.98	173.61	173.55	174.20	174.77	177.96	176.33	174.89	174.16	
1984 - 2003												
Max	193.02	190.60	183.07	178.53	181.05	184.86	194.37	198.91	199.60	199.19	193.79	187.31
Mean	164.95	163.40	161.69	160.93	162.77	167.12	170.21	173.33	173.01	171.28	169.33	166.01
Min	148.46	147.22	146.76	146.62	149.88	152.37	154.47	152.25	152.30	151.67	150.77	149.57



Clayton Aquifer
2003 Calendar Year
315353084192501 Site Name: 11P014

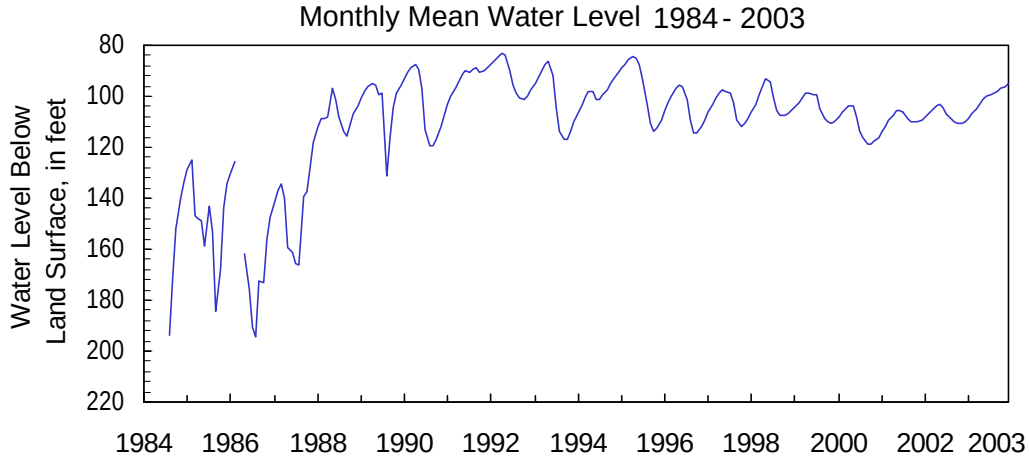
Latitude: 31°53'51" Longitude: 84°19'25" Lee County Period of Record: 1984
Well Depth: 384 feet Datum: 338 feet Well Diameter: 4 inches





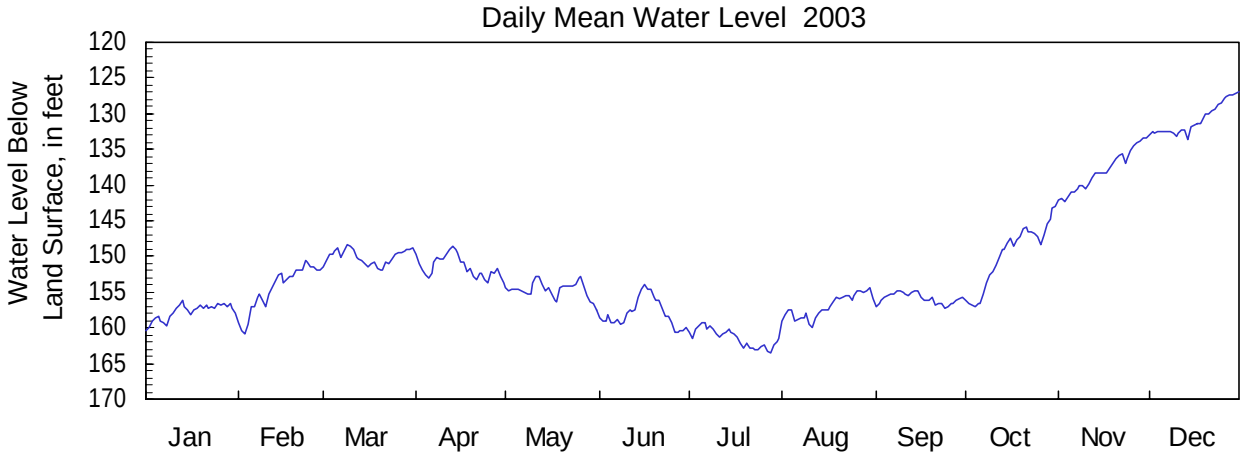
Monthly Water-Level Statistics

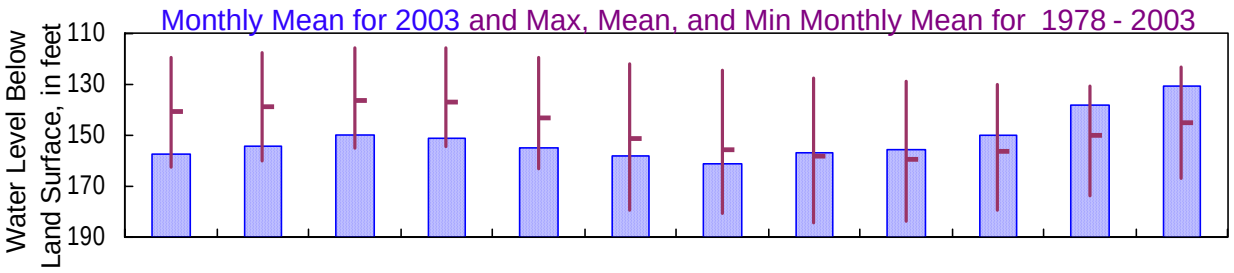
2003												
Max	108.46	107.60	105.90	103.80	101.80	100.30	99.46	98.94	98.31	97.42	96.54	95.51
Mean	108.46	106.82	104.90	102.82	100.96	99.86	99.13	98.71	97.87	97.01	96.06	94.96
Min	107.69	105.98	103.87	101.89	100.30	99.47	98.93	98.35	97.45	96.57	95.54	94.41
1984 - 2003												
Max	143.71	138.50	171.58	157.90	179.28	187.08	198.84	212.89	193.90	181.75	160.74	151.59
Mean	106.64	103.99	103.22	101.92	102.40	108.37	112.07	117.84	120.36	117.36	113.48	110.06
Min	86.49	85.06	83.47	82.42	82.38	86.29	88.81	88.72	88.42	89.91	89.49	88.00



Clayton Aquifer
2003 Calendar Year
313812084125001 Site Name: 12M002

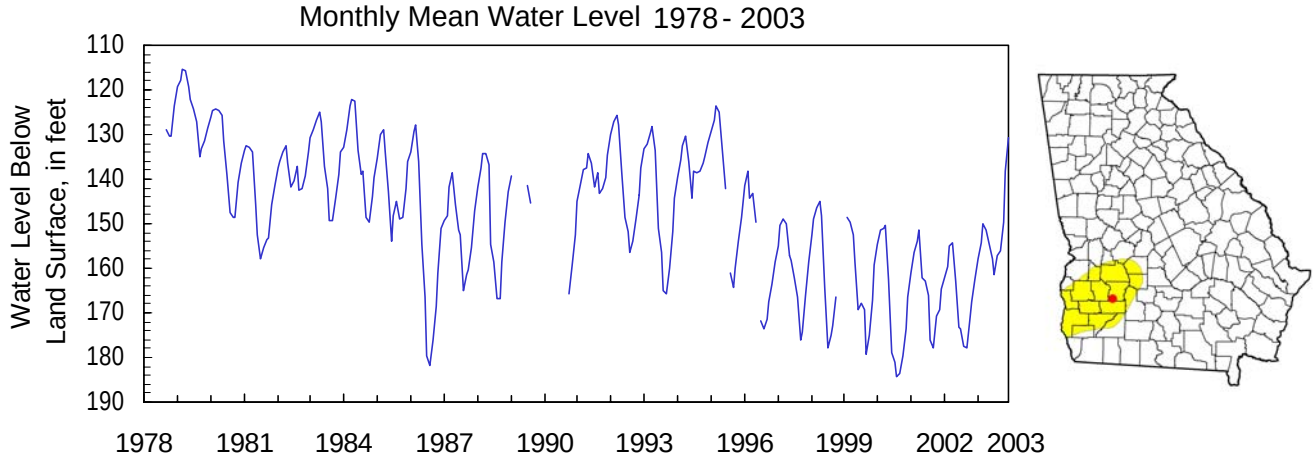
Latitude: 31°38' 10" Longitude: 84°12'49" Lee County Period of Record: 1978
Well Depth: 650 feet Datum: 238 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

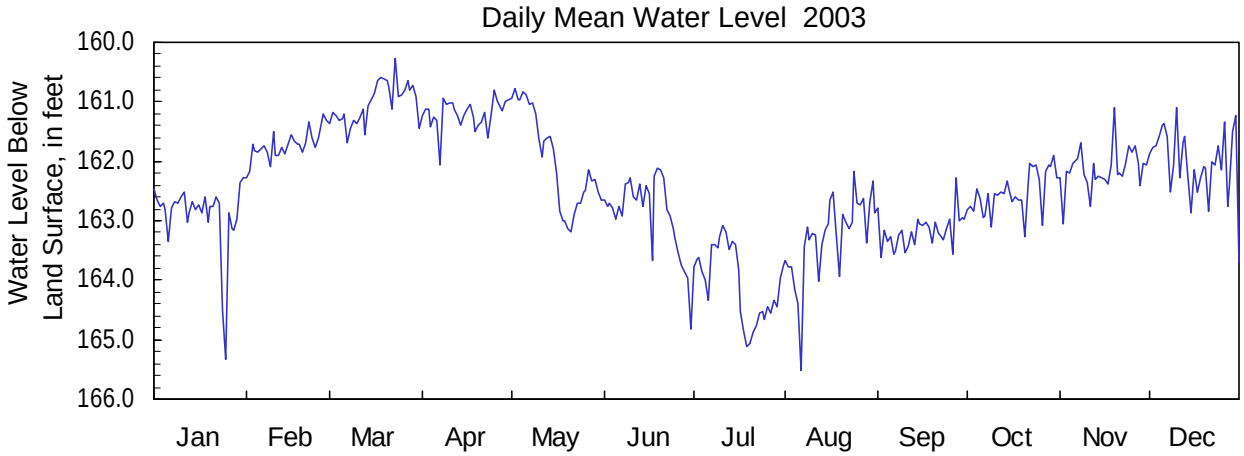
2003												
Max	157.73	160.77	152.02	153.76	157.59	160.52	163.59	159.86	157.33	157.15	142.24	133.56
Mean	157.73	154.37	150.10	151.47	154.69	157.94	161.41	157.00	155.92	149.77	138.05	130.83
Min	156.09	150.57	148.37	148.55	152.83	153.89	159.21	154.33	154.77	143.08	133.29	126.93
1978 - 2003												
Max	164.56	163.99	157.49	158.78	174.12	182.09	186.62	190.54	189.46	182.00	179.32	169.54
Mean	140.61	138.23	136.34	136.20	142.61	151.64	154.88	158.02	159.33	156.21	150.34	144.42
Min	117.78	116.22	114.79	115.53	115.75	119.06	123.31	123.61	128.41	129.50	128.77	118.98

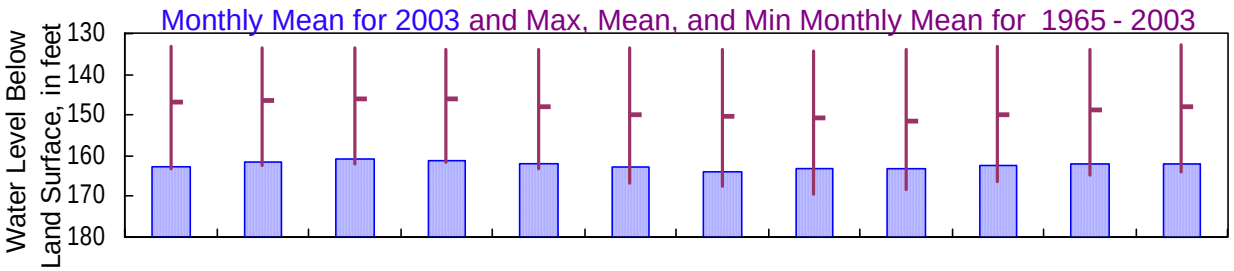


Clayton Aquifer
2003 Calendar Year

314602084473701 **Site Name: 07N001**

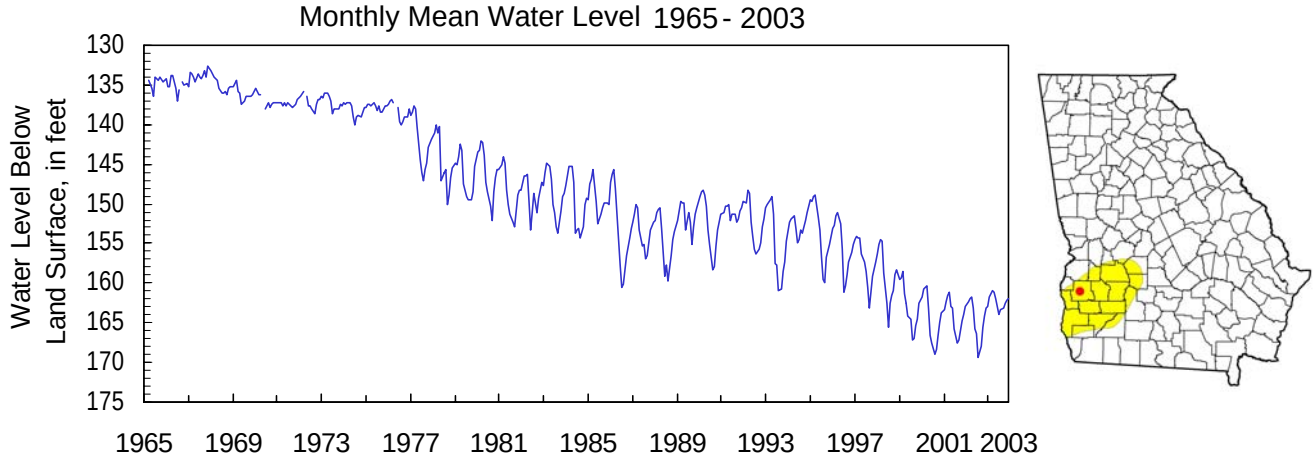
Latitude: 31°46' 09" Longitude: 84°47'43" Randolph County Period of Record: 1965
Well Depth: 372 feet Datum: 445 feet Well Diameterr 8 inches





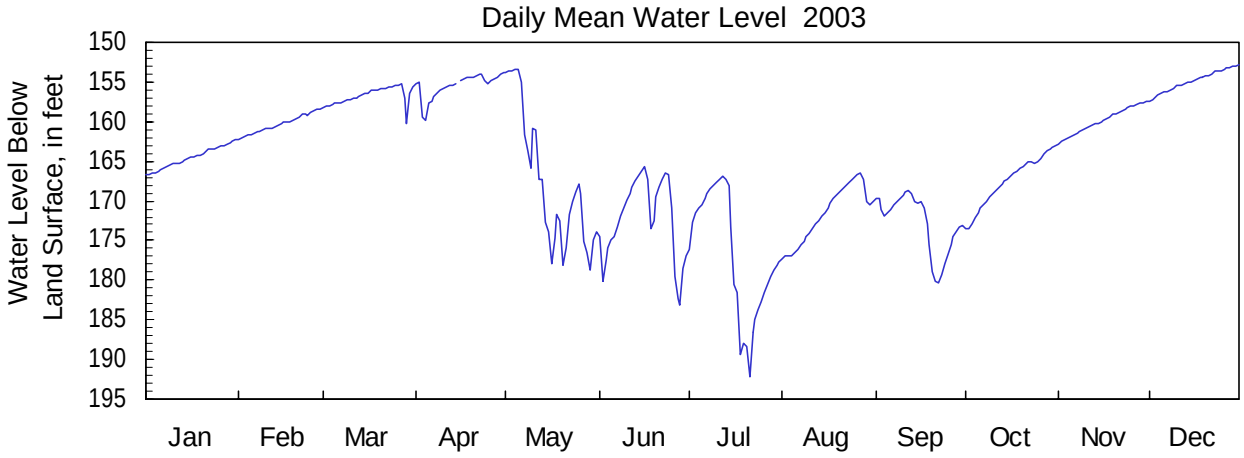
Monthly Water-Level Statistics

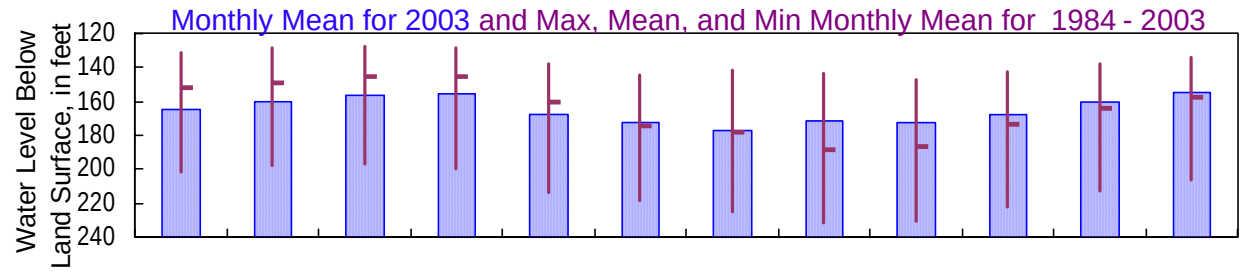
2003												
Max	162.91	162.27	161.69	162.07	163.19	164.82	165.13	165.51	163.60	163.27	163.05	163.69
Mean	162.91	161.73	161.03	161.21	161.98	162.88	164.05	163.26	163.18	162.53	162.13	162.01
Min	162.28	161.19	160.26	160.82	160.78	162.11	163.09	162.18	162.27	161.91	161.09	161.10
1965 - 2003												
Max	165.83	163.49	164.24	164.05	166.15	169.62	169.79	171.90	170.55	167.44	166.37	165.21
Mean	147.52	146.99	146.62	147.00	148.04	150.48	151.45	151.51	151.67	150.43	149.02	148.64
Min	130.90	132.66	132.99	133.20	133.32	132.98	133.12	132.59	132.20	131.44	133.20	132.00



Clayton Aquifer
2003 Calendar Year
313953084361202 Site Name: 09M007

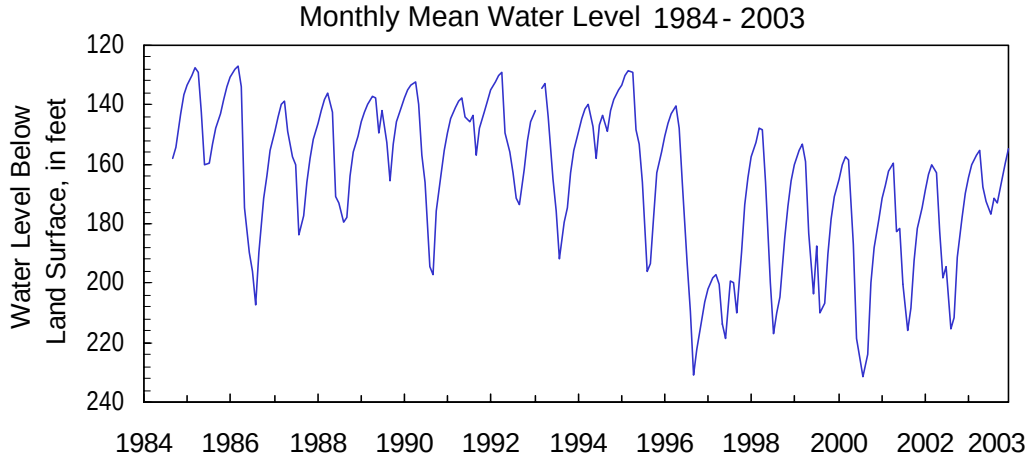
Latitude: 31°39' 52" Longitude: 84°36'16" Randolph County Period of Record: 1984
Well Depth: 430 feet Datum: 320 feet Well Diameter: 6 inches

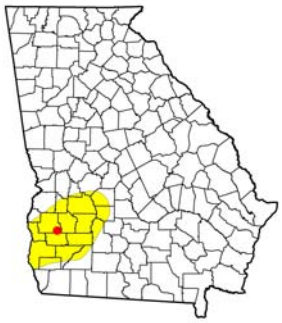




Monthly Water-Level Statistics

2003												
Max	164.56	162.19	160.33	159.86	178.83	183.22	192.15	177.26	180.35	173.57	162.85	157.38
Mean	164.56	160.34	156.76	155.45	167.57	172.34	176.82	171.62	172.82	167.51	159.89	154.86
Min	162.33	158.47	155.18	153.90	153.36	165.73	166.84	166.48	168.61	163.12	157.50	152.86
1984 - 2003												
Max	203.67	199.59	202.52	208.10	232.32	230.04	233.26	242.37	239.95	228.37	216.92	208.93
Mean	152.89	149.13	145.19	144.57	160.24	174.47	178.02	187.83	186.00	173.88	164.57	157.42
Min	129.58	126.99	126.55	126.96	129.58	138.52	139.73	140.72	145.11	139.80	136.15	132.36

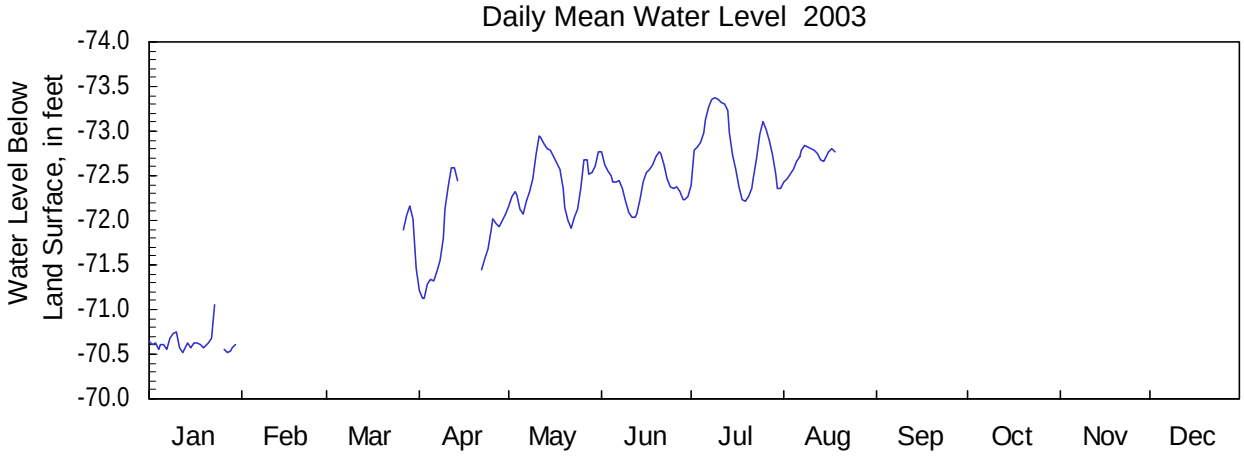


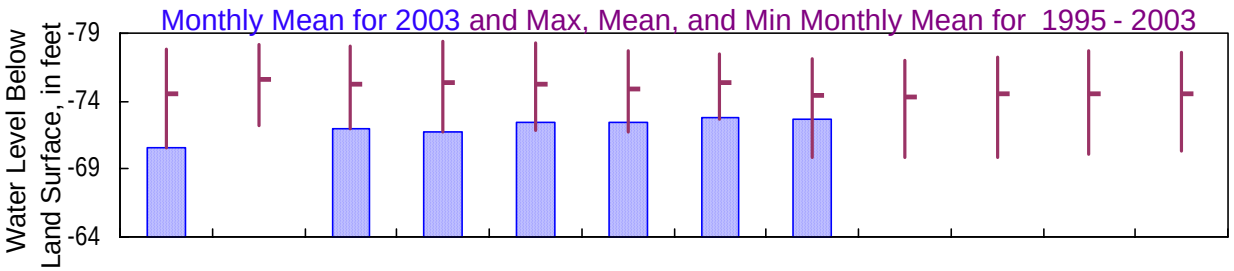


Lower Dublin Aquifer
2003 Calendar Year

330548081391102 **Site Name: 32Y031**

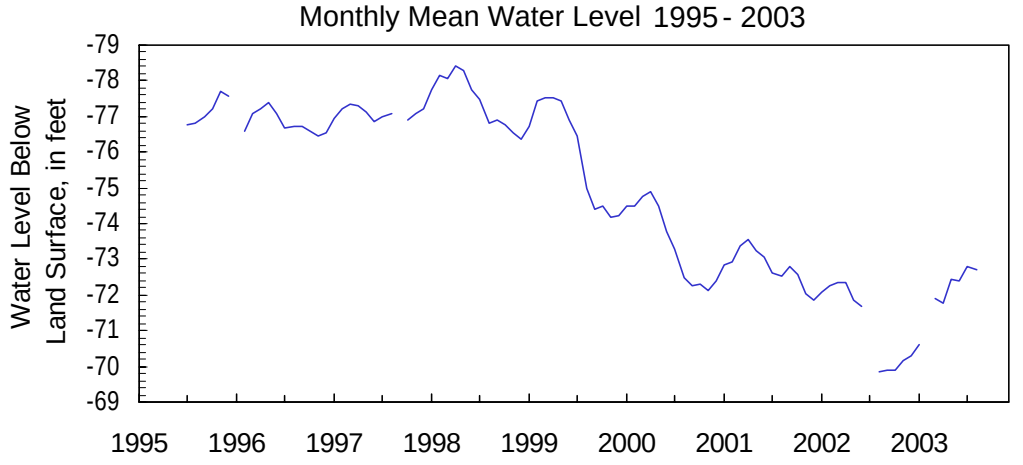
Latitude: 33°05' 49" Longitude: 81°39'11" Burke County Period of Record: 1995
Well Depth: 562 feet Datum: 84 feet Well Diameter: 4 inches

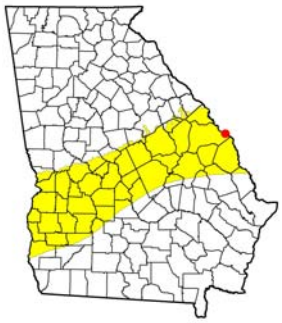




Monthly Water-Level Statistics

2003												
Max	-70.62		-71.47	-71.13	-71.91	-72.03	-72.21	-72.43				
Mean	-70.62		-71.92	-71.78	-72.45	-72.41	-72.81	-72.69				
Min	-71.06		-72.16	-72.59	-72.94	-72.77	-73.38	-72.84				
1995 - 2003												
Max	-70.51	-72.06	-71.47	-71.13	-71.62	-71.67	-72.21	-69.78	-69.75	-69.77	-69.95	-70.02
Mean	-74.33	-75.48	-75.72	-75.48	-75.29	-75.37	-75.30	-74.78	-74.45	-74.55	-74.54	-74.14
Min	-78.13	-78.47	-78.40	-78.77	-78.81	-77.91	-77.76	-77.70	-77.21	-77.48	-78.21	-77.84





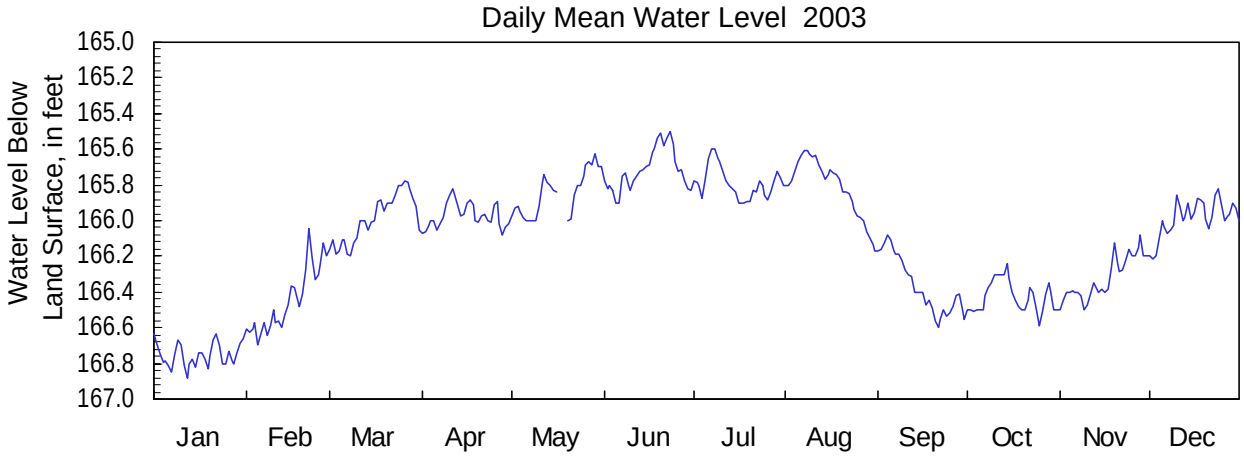
Dublin Aquifer System

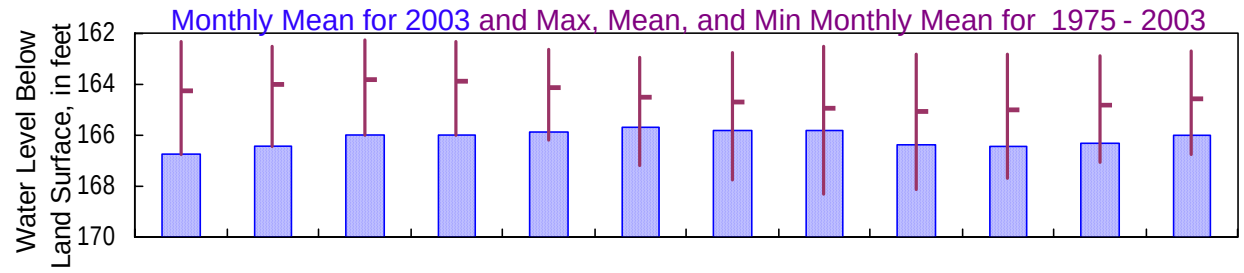
2003 Calendar Year

323302083263401 **Site Name: 18U001**

Latitude: 32°33' 02" Longitude: 83°26'34" Twiggs County Period of Record: 1975

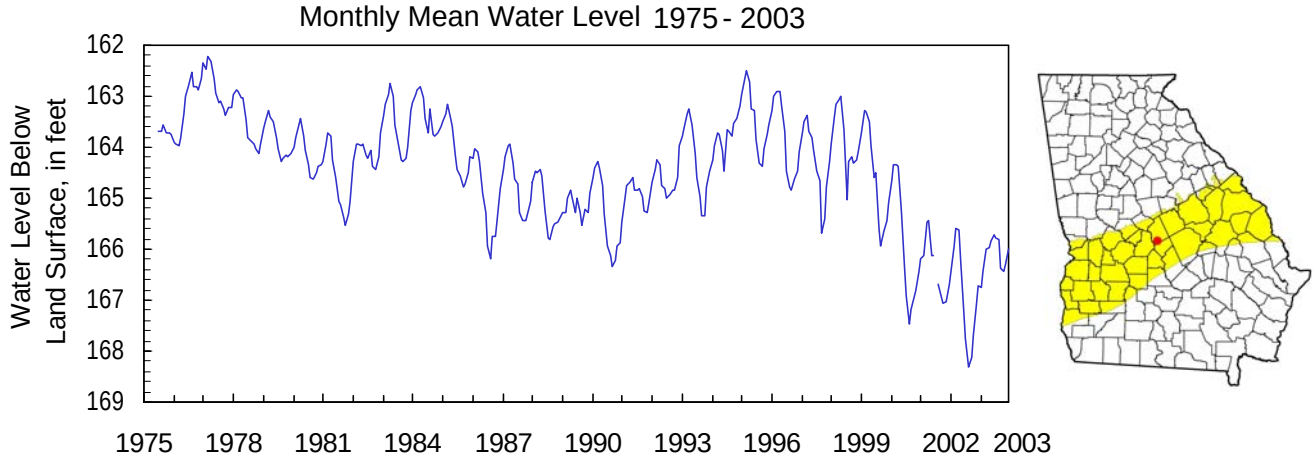
Well Depth: 616 feet Datum: 444 feet Well Diameter: 3 inches





Monthly Water-Level Statistics

2003												
Max	166.76	166.70	166.20	166.08	166.00	165.90	165.90	166.17	166.60	166.59	166.50	166.21
Mean	166.76	166.45	165.99	165.97	165.85	165.72	165.79	165.81	166.37	166.43	166.32	165.98
Min	166.63	166.05	165.78	165.82	165.62	165.50	165.60	165.61	166.08	166.24	166.08	165.82
1975 - 2003												
Max	166.88	166.70	166.20	166.08	166.00	166.60	167.20	167.80	167.68	168.00	167.82	167.75
Mean	164.14	163.91	163.70	163.73	163.97	164.35	164.58	164.72	164.86	164.85	164.69	164.44
Min	162.17	162.25	162.06	162.00	162.46	162.76	162.60	162.40	162.70	162.70	162.78	162.34



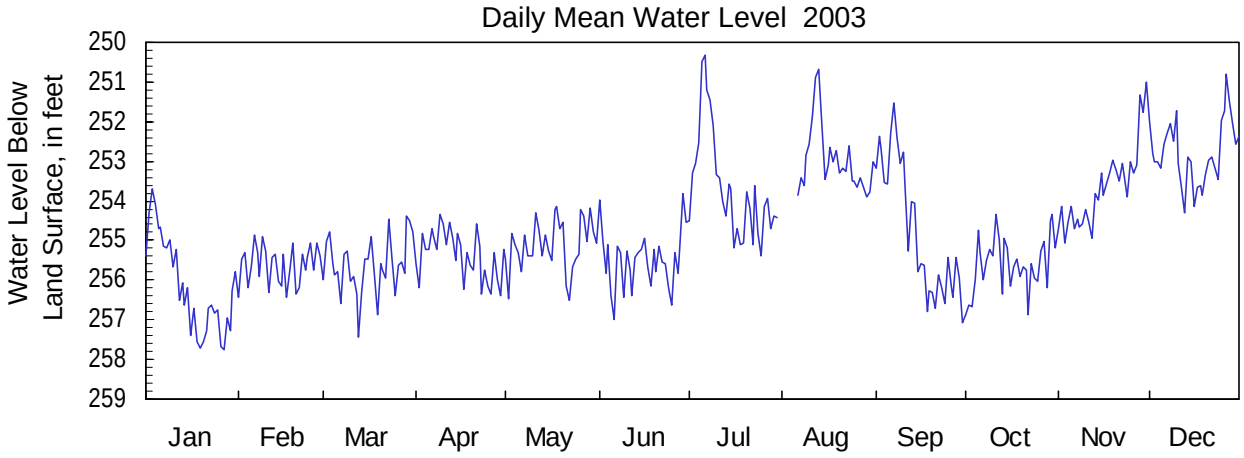
Dublin-Midville Aquifer System

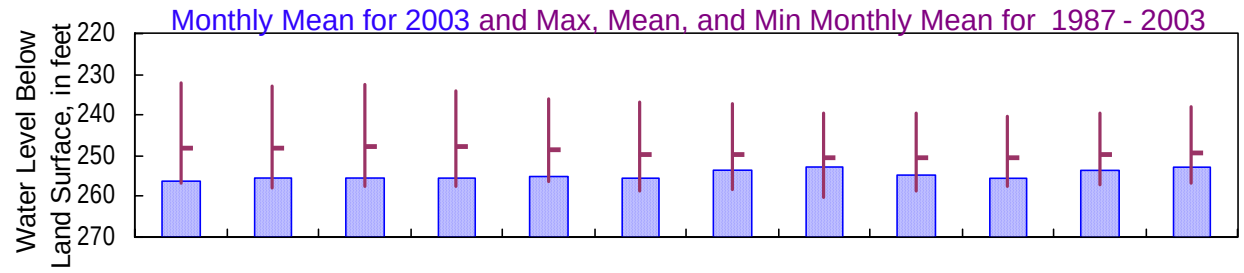
2003 Calendar Year

325848082480901 **Site Name: 23X027**

Latitude: 32°58' 48" Longitude: 82°48'08" Washington County Period of Record: 1985

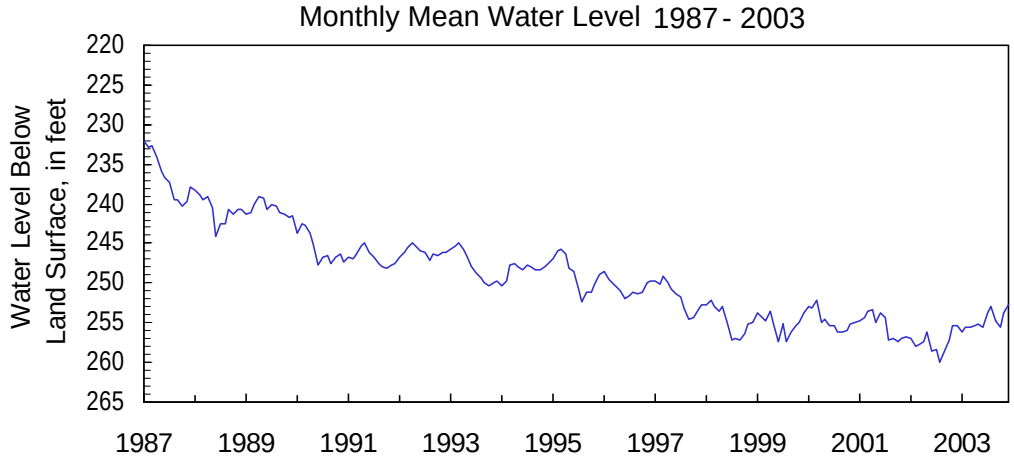
Well Depth: 750 feet Datum: 450 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

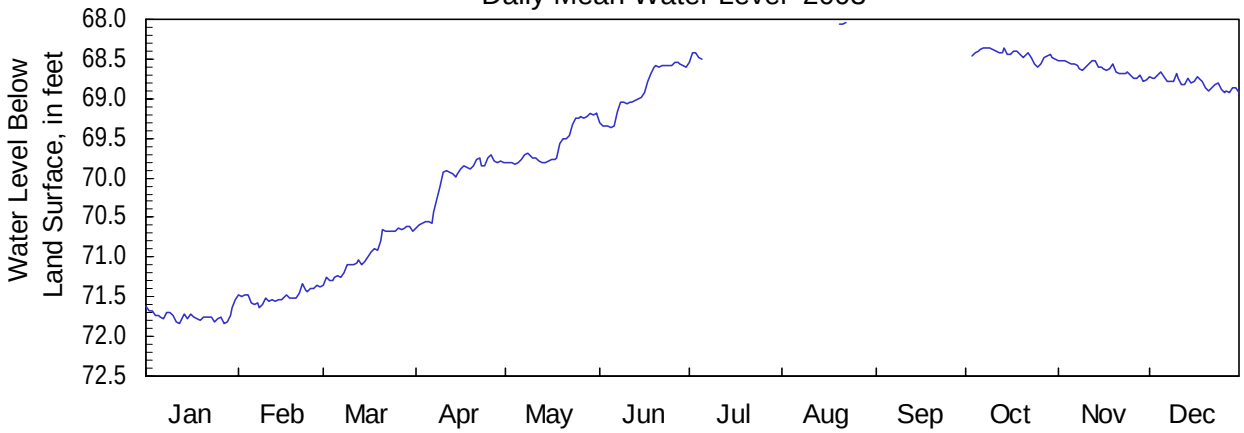
2003												
Max	256.17	256.44	257.44	256.40	256.52	256.99	255.38	253.90	257.06	256.89	255.05	254.30
Mean	256.17	255.63	255.65	255.36	255.11	255.50	253.66	252.98	254.75	255.60	253.68	252.78
Min	253.71	254.86	254.39	254.35	254.14	253.82	250.32	250.70	251.51	254.33	251.01	250.79
1987 - 2003												
Max	258.99	258.96	258.73	258.87	258.48	260.83	260.45	262.13	261.02	258.85	261.74	261.80
Mean	247.41	247.34	245.73	246.01	246.73	248.27	248.63	249.58	248.72	248.38	247.57	248.03
Min	229.72	229.75	228.21	227.68	229.99	231.14	231.09	233.94	231.40	230.24	229.76	229.40



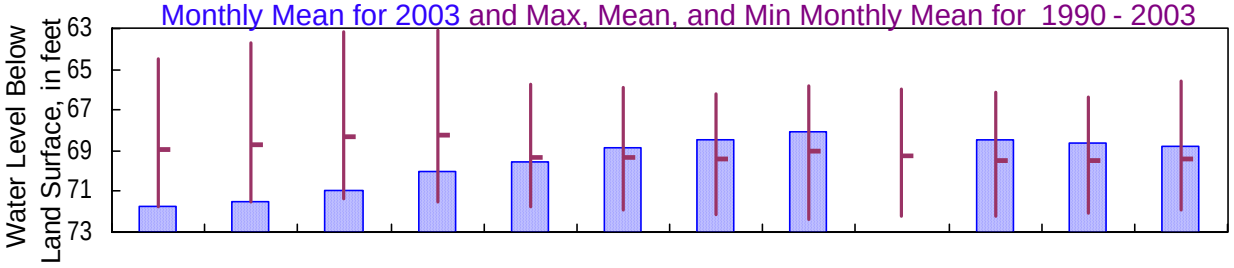
Upper Midville Aquifer
2003 Calendar Year
332131082013401 Site Name: 29AA09

Latitude: 33°21'31" Longitude: 82°01'34" Richmond County Period of Record: 1990
Well Depth: 213 feet Datum: 241 feet Well Diameter: 3 inches

Daily Mean Water Level 2003



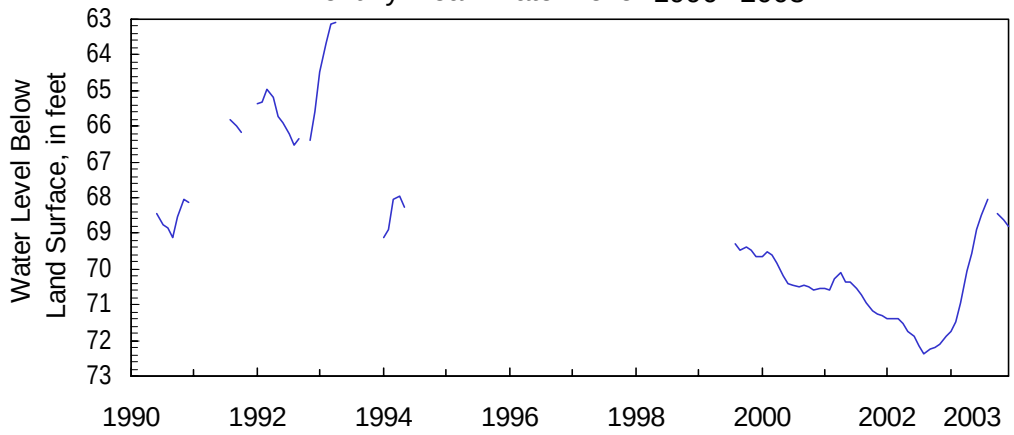
Monthly Mean for 2003 and Max, Mean, and Min Monthly Mean for 1990 - 2003



Monthly Water-Level Statistics

2003												
Max	71.74	71.63	71.35	70.64	69.82	69.38	68.54	68.06		68.61	68.78	68.92
Mean	71.74	71.49	70.95	70.04	69.58	68.89	68.47	68.05		68.44	68.62	68.80
Min	71.54	71.33	70.61	69.70	69.18	68.54	68.42	68.05		68.35	68.51	68.66
1990 - 2003												
Max	71.83	71.63	71.52	71.72	71.87	72.01	72.25	72.42	72.52	72.25	72.28	72.07
Mean	68.93	68.70	68.36	68.32	69.48	69.36	69.58	69.27	69.30	69.97	69.56	69.43
Min	64.03	63.43	63.10	63.08	65.31	65.80	65.93	65.71	65.78	66.14	65.81	65.43

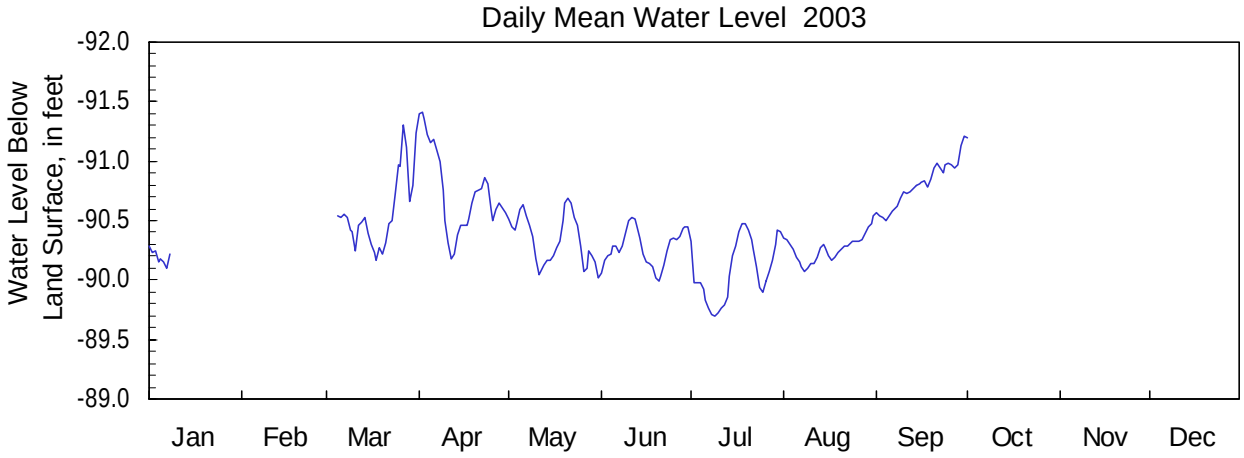
Monthly Mean Water Level 1990 - 2003

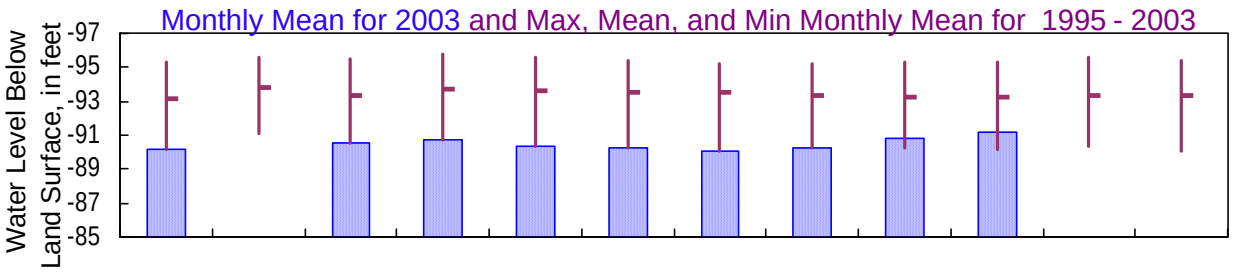


Lower Midville Aquifer
2003 Calendar Year

330548081391101 **Site Name: 32Y030**

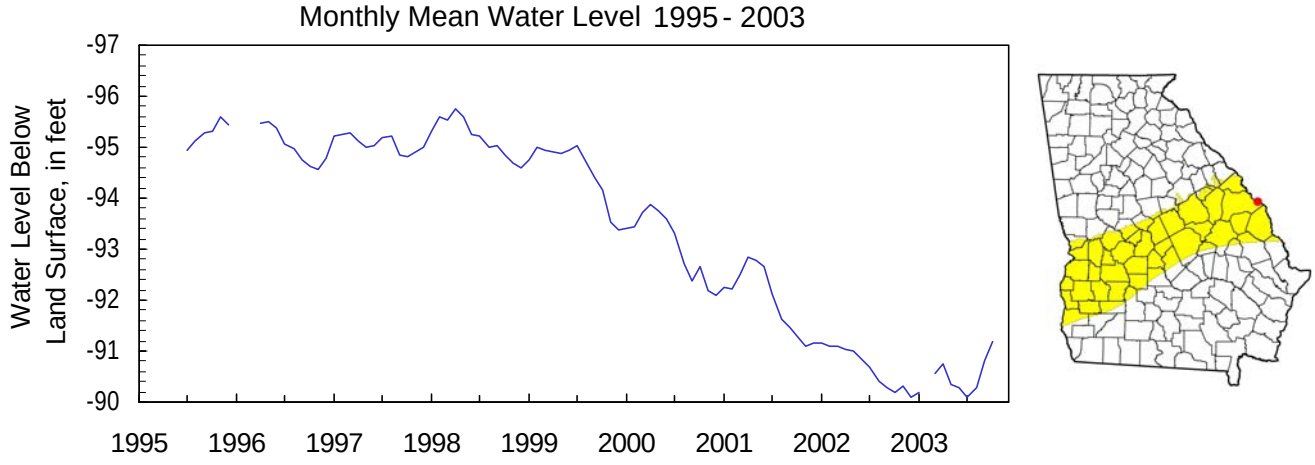
Latitude: 33°05' 48" Longitude: 81°39'11" Burke County Period of Record: 1995
Well Depth: 982 feet Datum: 84 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

2003												
Max	-90.18		-90.17	-90.18	-90.01	-89.98	-89.70	-90.08	-90.50	-91.19		
Mean	-90.18		-90.57	-90.74	-90.34	-90.27	-90.08	-90.27	-90.80	-91.19		
Min	-90.29		-91.31	-91.41	-90.68	-90.53	-90.48	-90.53	-91.21	-91.19		
1995 - 2003												
Max	-90.00	-90.71	-90.17	-90.18	-90.01	-89.98	-89.70	-90.08	-90.18	-90.09	-90.14	-89.93
Mean	-93.44	-93.79	-93.47	-93.59	-93.61	-93.50	-93.44	-93.33	-93.37	-93.47	-93.35	-93.04
Min	-95.65	-95.89	-95.86	-96.00	-96.01	-95.47	-95.38	-95.48	-95.45	-95.50	-95.91	-95.60



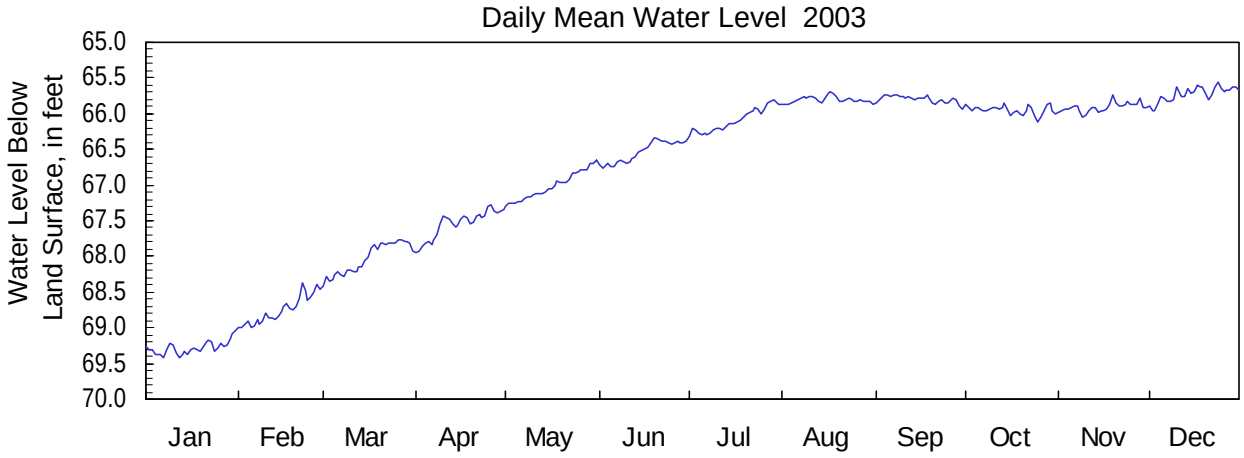
Midville Aquifer System

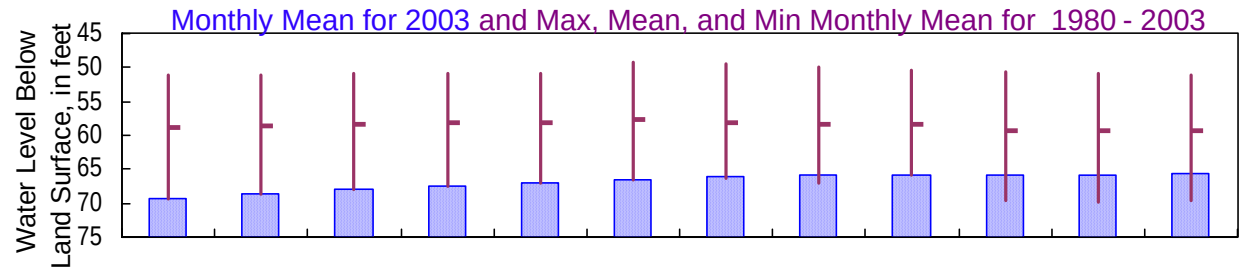
2003 Calendar Year

325232082131501 **Site Name: 28X001**

Latitude: 32°52' 33" Longitude: 82°13'15" Burke County Period of Record: 1980

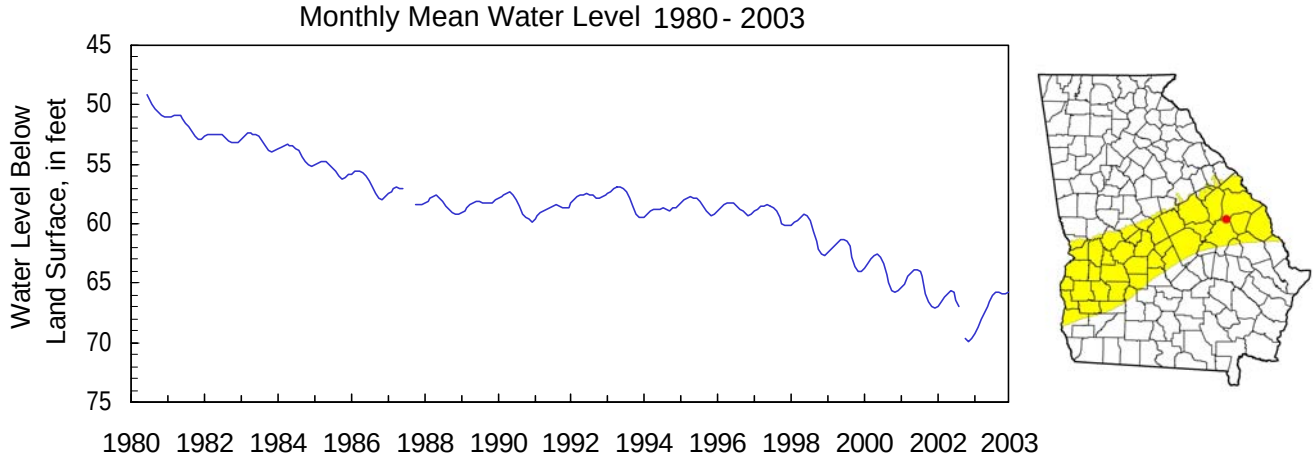
Well Depth: 1045 feet Datum: 268 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

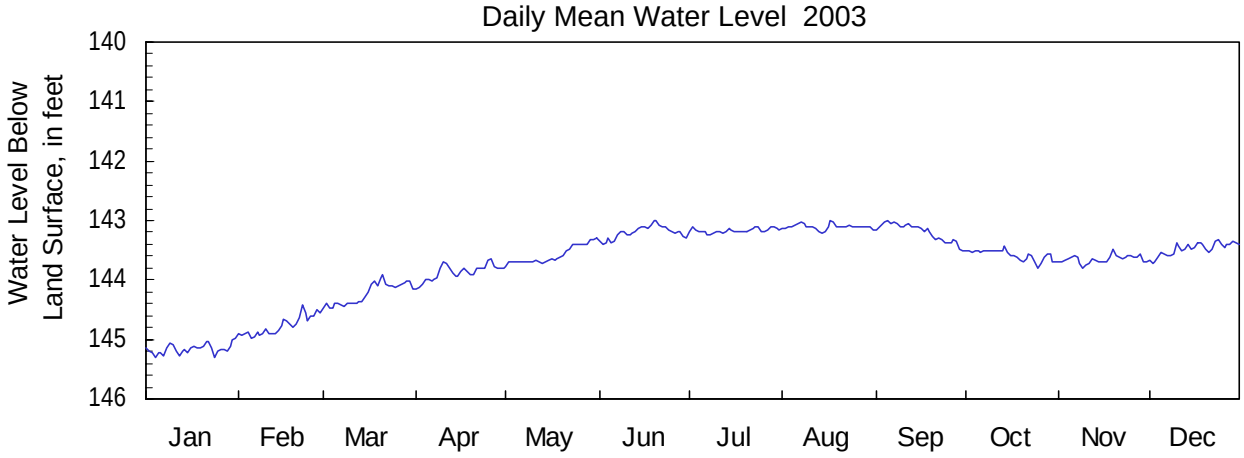
2003												
Max	69.28	68.99	68.41	67.94	67.31	66.76	66.31	65.87	65.93	66.11	66.04	65.95
Mean	69.28	68.76	68.03	67.55	67.01	66.54	66.09	65.80	65.80	65.95	65.91	65.72
Min	69.05	68.37	67.77	67.27	66.65	66.34	65.80	65.69	65.74	65.85	65.74	65.55
1980 - 2003												
Max	69.43	68.99	68.41	67.94	67.31	66.76	66.79	67.18	66.20	69.86	70.05	69.90
Mean	58.92	58.50	58.50	58.23	58.10	57.81	58.02	57.81	58.34	59.14	59.33	59.29
Min	50.99	50.78	50.87	50.75	50.83	49.07	49.17	49.67	50.14	50.26	50.70	50.92

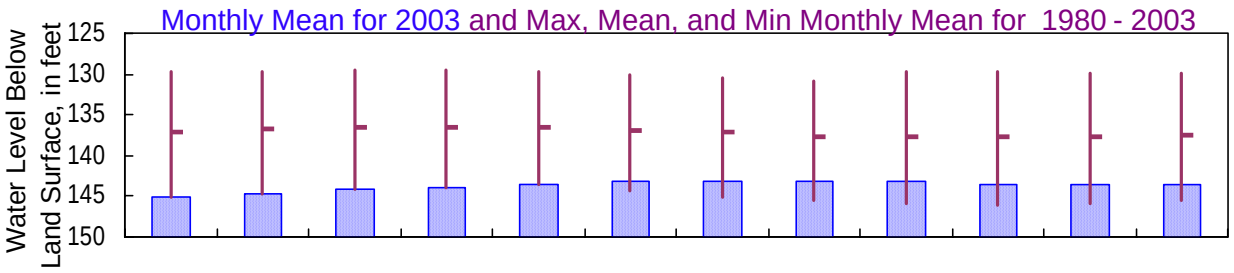


Midville Aquifer System
2003 Calendar Year

324209082430201 **Site Name: 24V001**

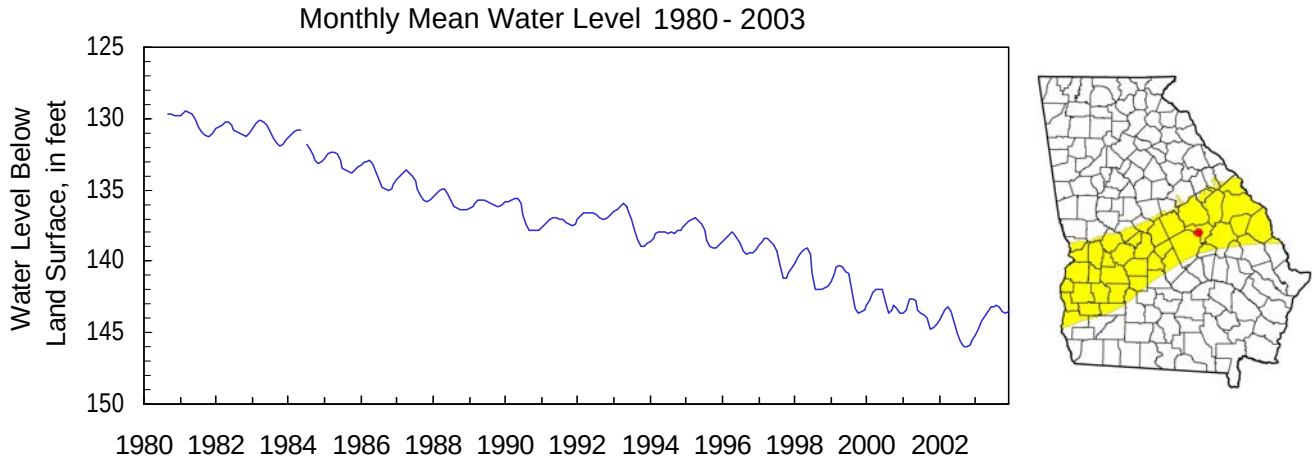
Latitude: 32°42' 09" Longitude: 82°43'02" Johnson County Period of Record: 1980
Well Depth: 1780 feet Datum: 355 feet Well Diameter: 2 inches





Monthly Water-Level Statistics

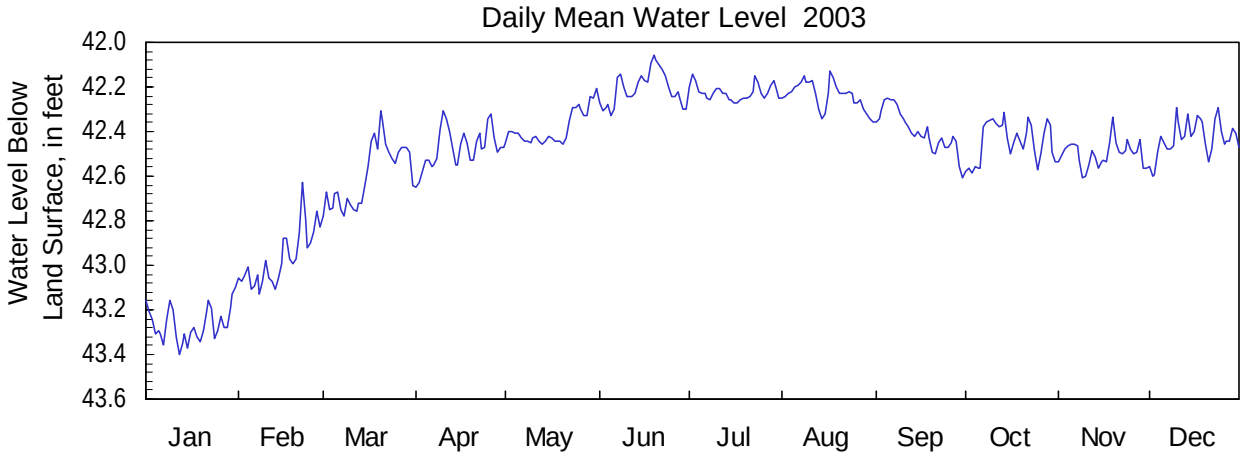
2003												
Max	145.16	144.97	144.48	144.16	143.76	143.40	143.24	143.22	143.50	143.80	143.80	143.72
Mean	145.16	144.77	144.23	143.87	143.58	143.20	143.17	143.10	143.19	143.58	143.65	143.48
Min	144.97	144.43	143.91	143.64	143.29	143.00	143.10	143.00	143.01	143.44	143.48	143.31
1980 - 2003												
Max	145.29	144.97	144.48	144.16	143.77	144.78	145.50	145.88	146.06	146.11	146.09	145.81
Mean	137.23	136.86	136.97	136.95	136.35	136.89	137.28	137.76	138.12	138.05	137.87	137.73
Min	129.66	129.46	129.27	129.49	129.56	129.82	130.30	130.88	129.63	129.43	129.73	129.67

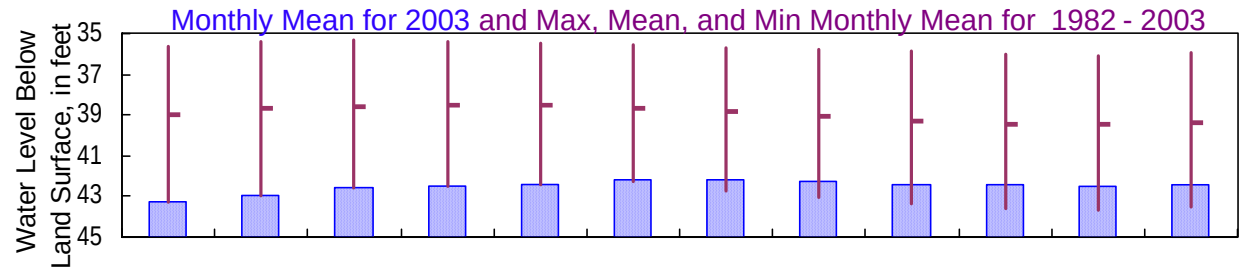


Midville Aquifer System
2003 Calendar Year

323030083030003 **Site Name: 21U004**

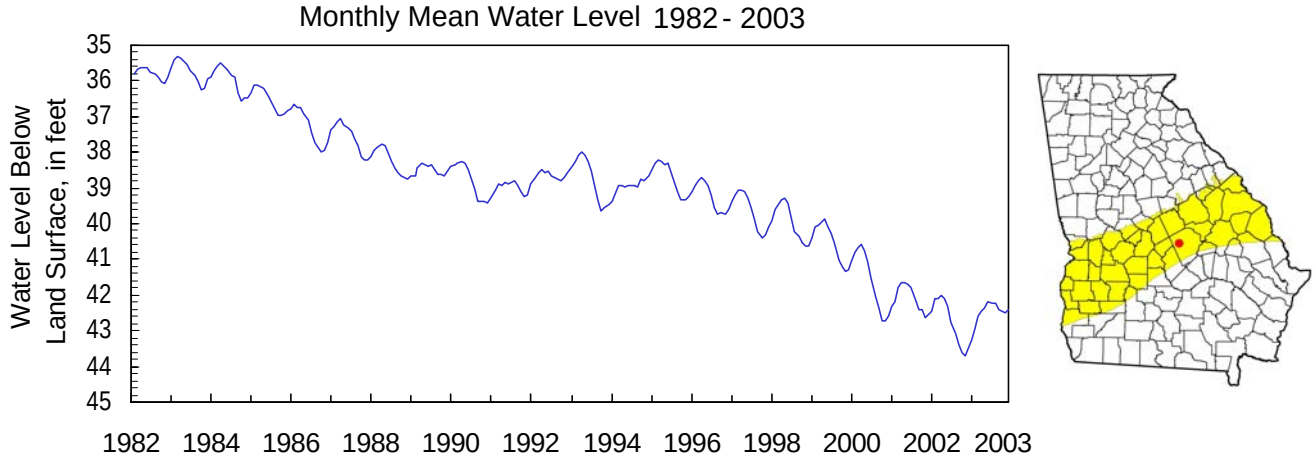
Latitude: 32°30' 27" Longitude: 83°02'44" Laurens County Period of Record: 1982
Well Depth: 1,685 feet Datum: 281 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

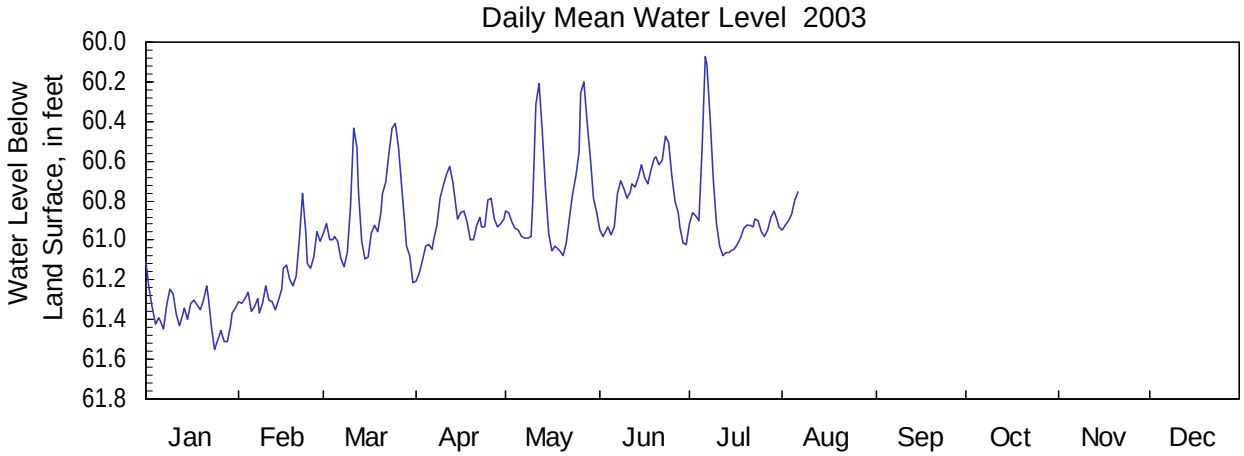
2003												
Max	43.26	43.13	42.78	42.65	42.46	42.33	42.27	42.36	42.61	42.58	42.61	42.60
Mean	43.26	42.97	42.59	42.48	42.39	42.21	42.22	42.24	42.40	42.45	42.50	42.43
Min	43.10	42.63	42.31	42.31	42.21	42.06	42.14	42.13	42.25	42.32	42.34	42.29
1982 - 2003												
Max	43.40	43.13	42.78	42.65	42.46	42.53	42.93	43.30	43.54	43.86	43.91	43.68
Mean	39.16	38.95	38.58	38.51	38.55	38.66	38.85	39.07	39.29	39.44	39.47	39.34
Min	35.53	35.19	35.15	35.11	35.30	35.40	35.56	35.68	35.81	35.87	35.93	35.72

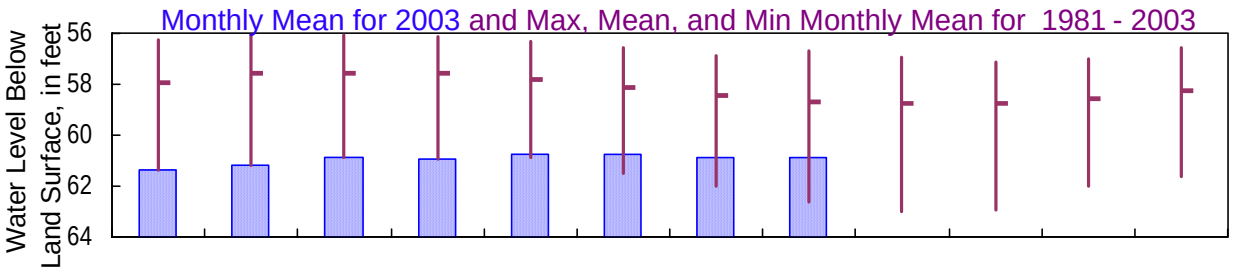


Midville Aquifer System
2003 Calendar Year

322245083290101 **Site Name: 18T001**

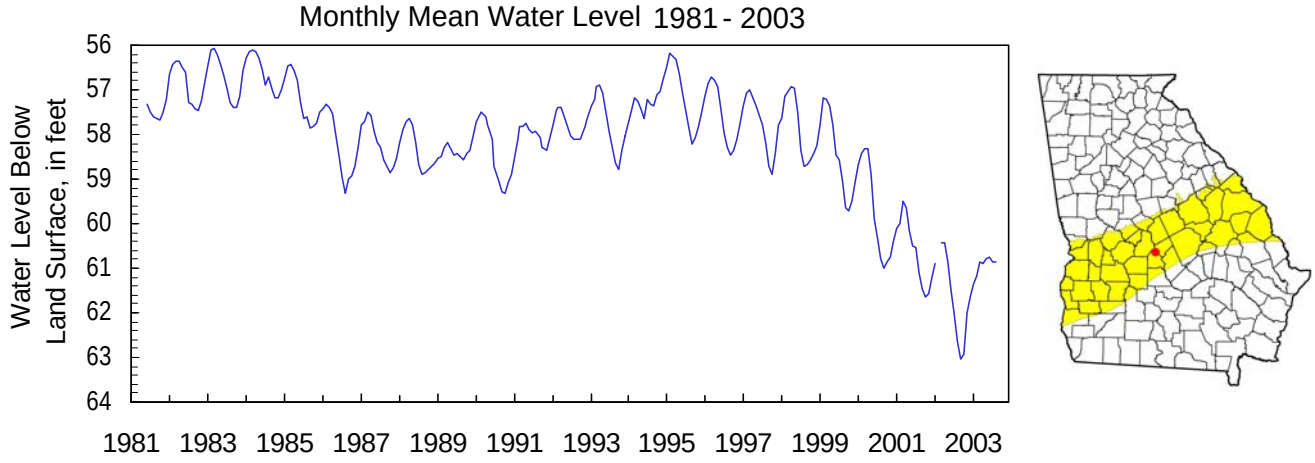
Latitude: 32°22' 45" Longitude: 83°29'01" Pulaski County Period of Record: 1981
Well Depth: 1,555 feet Datum: 333 feet Well Diameter: 4 inches





Monthly Water-Level Statistics

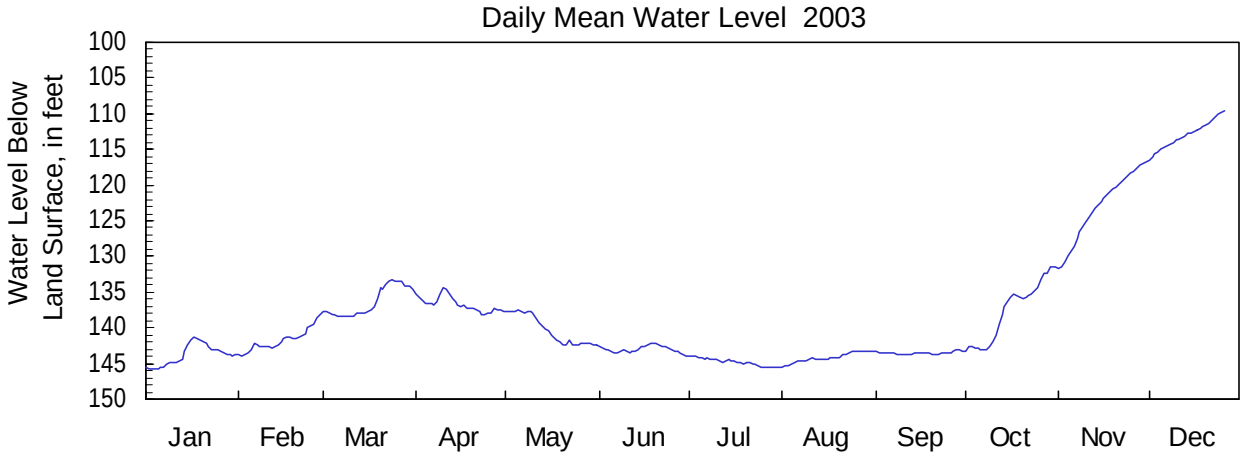
2003												
Max	61.37	61.37	61.22	61.21	61.08	61.02	61.08	60.95				
Mean	61.37	61.20	60.87	60.91	60.78	60.76	60.86	60.87				
Min	61.11	60.76	60.41	60.62	60.20	60.48	60.07	60.76				
1981 - 2003												
Max	61.55	61.37	61.22	61.21	61.08	61.86	62.29	63.03	63.10	63.09	62.03	61.96
Mean	58.00	57.66	57.55	57.60	57.86	58.20	58.46	58.61	58.78	58.72	58.44	58.26
Min	55.95	55.16	55.51	55.48	55.94	56.33	53.90	56.00	56.83	56.96	56.40	56.25

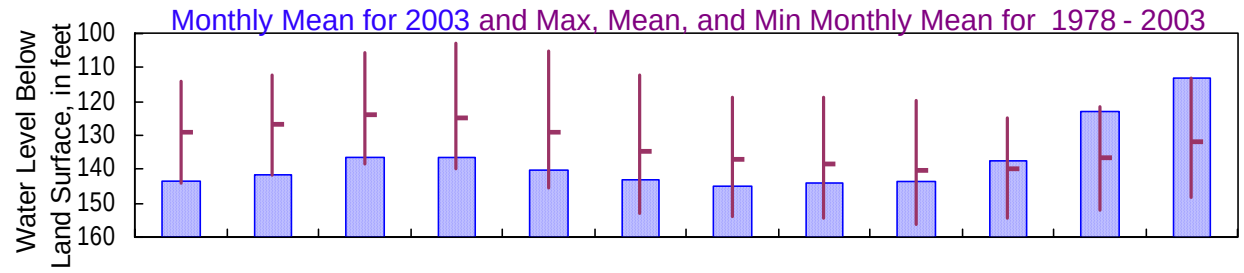


Providence Aquifer
2003 Calendar Year

313534084103003 **Site Name: 12L021**

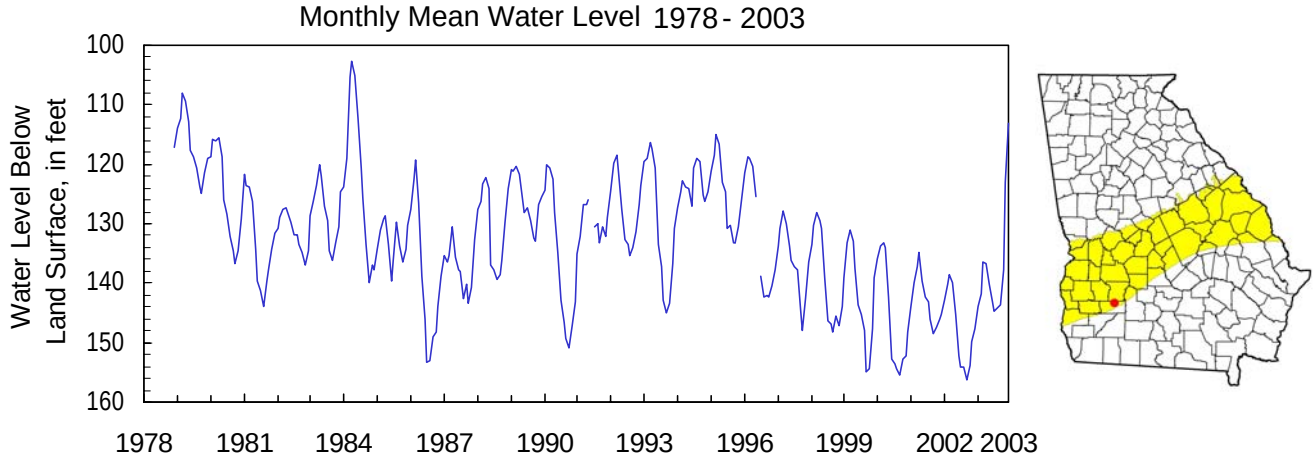
Latitude: 31°35' 37" Longitude: 84° 10 '29" Dougherty County Period of Record: 1978
Well Depth: 846 feet Datum: 194 feet Well Diameter: 6 inches





Monthly Water-Level Statistics

2003												
Max	143.83	143.87	138.49	138.27	142.48	143.94	145.60	145.44	143.76	143.21	131.59	116.41
Mean	143.83	141.76	136.37	136.74	140.31	143.02	144.81	144.17	143.54	137.64	122.99	113.01
Min	141.34	138.21	133.24	134.47	137.58	142.12	143.92	143.24	143.11	131.52	116.67	109.66
1978 - 2003												
Max	146.44	143.87	140.00	141.65	148.82	154.73	156.36	156.76	157.10	156.54	153.07	150.24
Mean	128.88	126.35	123.99	124.59	128.79	134.93	137.11	138.73	140.50	139.94	136.68	132.44
Min	113.17	110.67	103.05	101.59	102.44	107.65	117.14	115.59	118.25	120.22	116.67	109.66

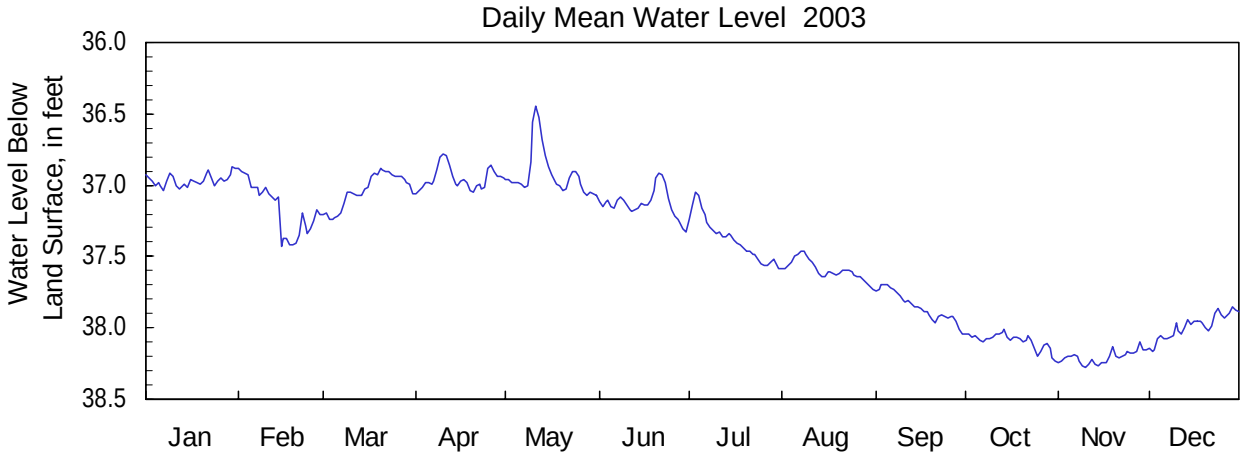


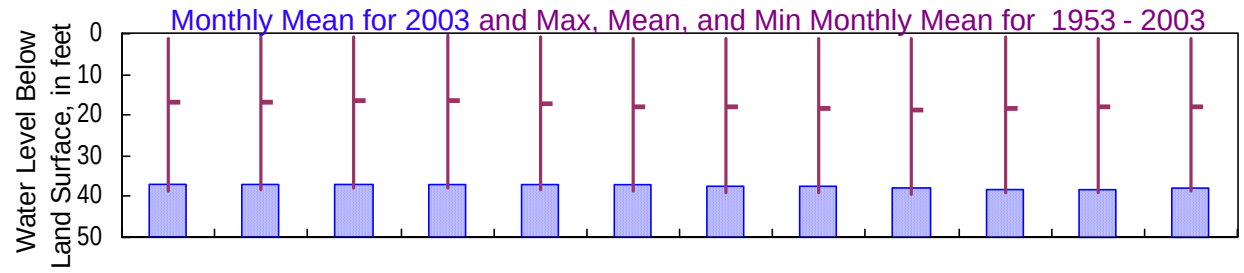
Cretaceous Aquifer System

2003 Calendar Year

322036084590301 **Site Name: 06S001**

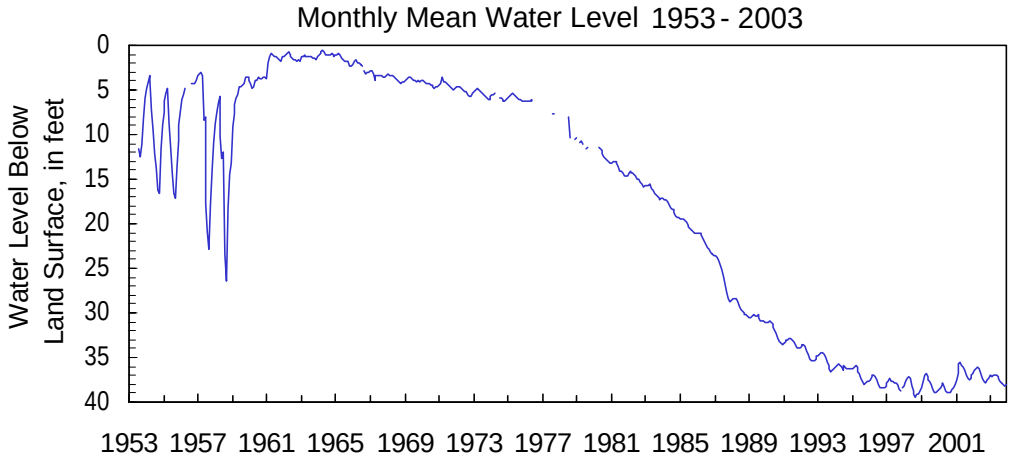
Latitude: 32°20'31" Longitude: 84°59'10" Chattahoochee County Period of Record: 1953
Well Depth: 550 feet Datum: 255 feet Well Diameter: 10 inches

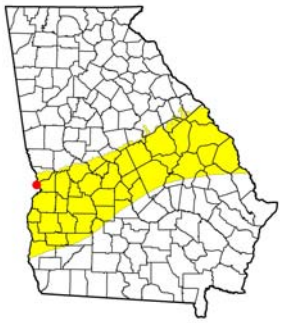




Monthly Water-Level Statistics

2003												
Max	36.97	37.43	37.24	37.06	37.07	37.33	37.58	37.73	38.04	38.24	38.27	38.17
Mean	36.97	37.17	37.04	36.95	36.92	37.13	37.38	37.59	37.85	38.09	38.21	37.99
Min	36.88	36.89	36.88	36.78	36.45	36.91	37.05	37.46	37.69	38.01	38.10	37.86
1953 - 2003												
Max	38.65	38.38	38.27	37.95	38.60	38.97	39.06	39.27	39.51	39.27	39.14	38.97
Mean	18.54	18.08	17.26	17.24	17.95	18.62	19.15	19.02	19.56	18.94	18.06	17.99
Min	0.85	0.77	0.46	0.12	0.29	0.95	0.98	0.78	0.85	0.74	1.04	0.60





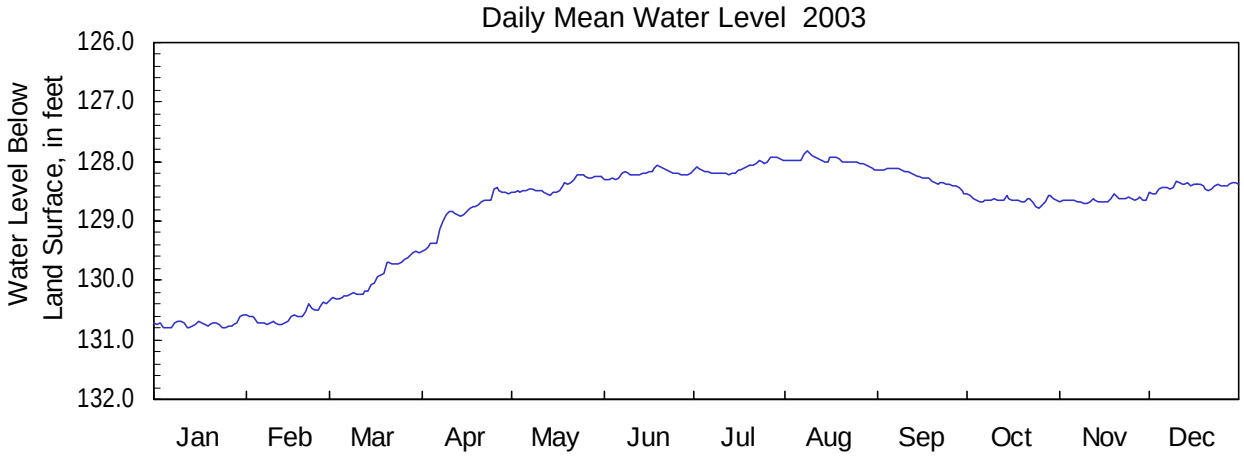
Cretaceous Aquifer System

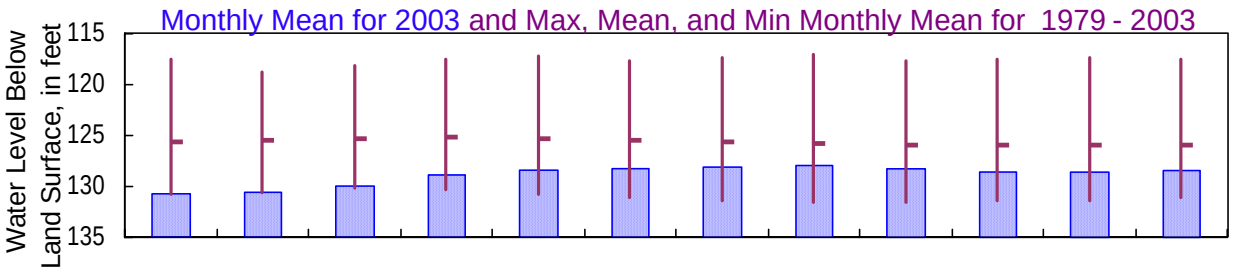
2003 Calendar Year

331711081573701 **Site Name: 30AA04**

Latitude: 33°15'25" Longitude: 81°57'47" Richmond County Period of Record: 1979

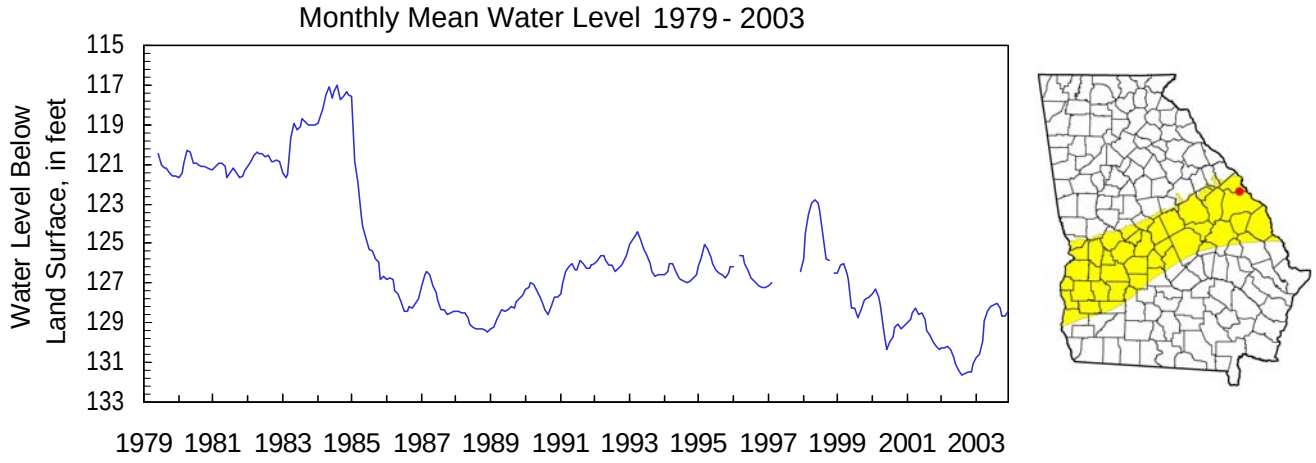
Well Depth: 455 feet Datum: 292 feet Well Diameter: 6 inches





Monthly Water-Level Statistics

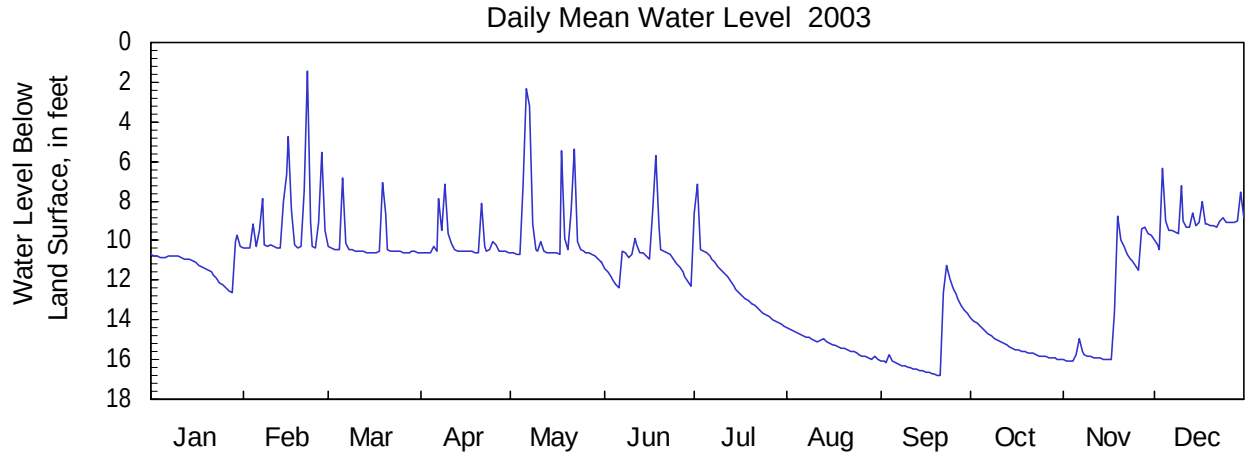
2003												
Max	130.74	130.75	130.33	129.51	128.57	128.31	128.21	128.14	128.54	128.78	128.72	128.55
Mean	130.74	130.61	129.97	128.88	128.41	128.20	128.10	127.99	128.27	128.65	128.65	128.42
Min	130.58	130.37	129.51	128.45	128.23	128.07	127.93	127.81	128.11	128.55	128.55	128.34
1979 - 2003												
Max	130.80	130.75	130.44	130.60	130.90	131.24	131.48	131.83	131.82	131.51	131.80	131.30
Mean	125.63	125.50	125.28	125.22	125.41	125.38	125.59	125.73	125.95	125.91	126.06	125.93
Min	117.47	118.47	117.94	117.13	116.70	116.74	116.86	116.74	117.20	117.09	117.21	117.31

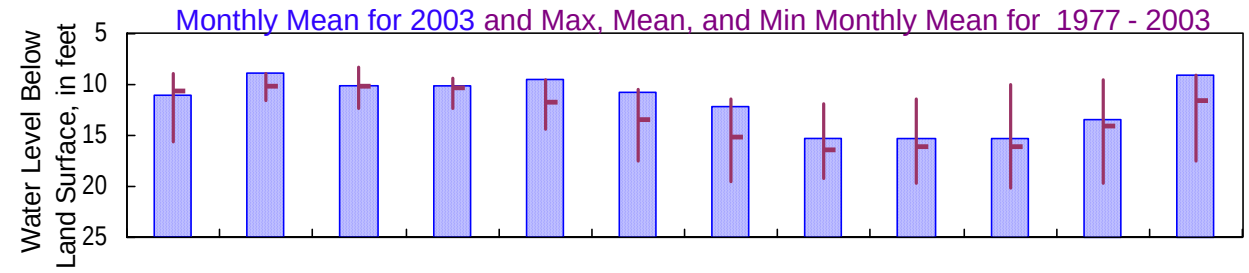


Chickamauga Limestone Aquifer
2003 Calendar Year

345403085160001 **Site Name: 03PP01**

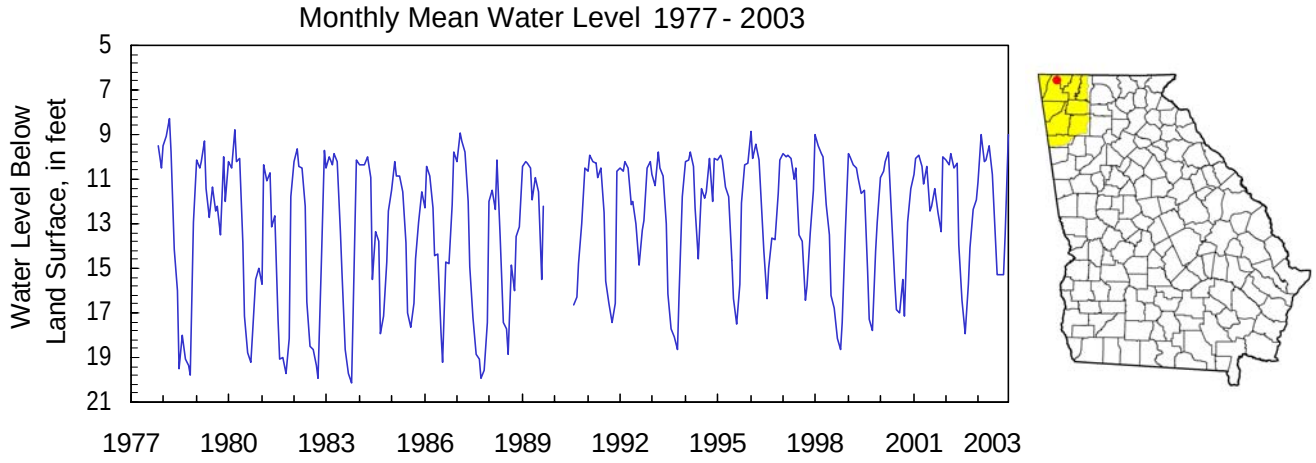
Latitude: 34°54' 03" Longitude: 85°16'00" Walker County Period of Record: 1977
Well Depth: 72 feet Datum: 73 feet Well Diameter: 8 inches





Monthly Water-Level Statistics

2003												
Max	11.17	10.40	10.60	10.59	11.11	12.37	14.32	15.99	16.81	16.00	16.05	10.42
Mean	11.17	8.97	10.21	10.13	9.50	10.80	12.25	15.25	15.28	15.27	13.52	9.02
Min	9.76	1.44	6.80	7.16	2.36	5.68	7.16	14.39	11.23	13.87	8.76	6.38
1977 - 2003												
Max	17.55	12.57	13.52	13.66	16.65	18.83	21.40	21.70	20.17	20.33	20.32	20.21
Mean	10.71	10.13	10.12	10.38	11.72	13.54	15.30	16.53	16.12	16.32	14.08	11.55
Min	0.32	1.44	1.97	2.55	2.36	4.52	2.96	10.03	3.54	4.29	2.36	3.27

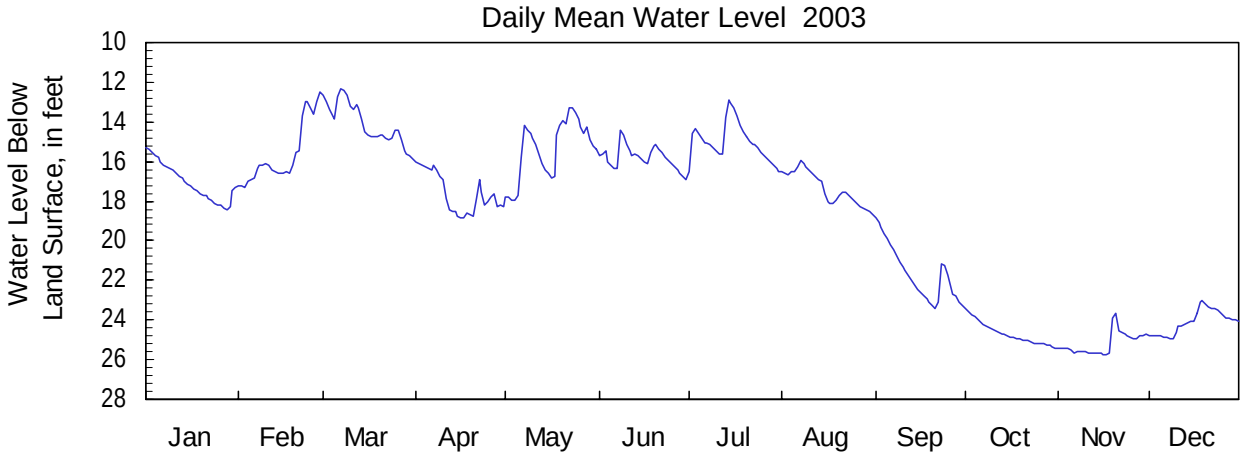


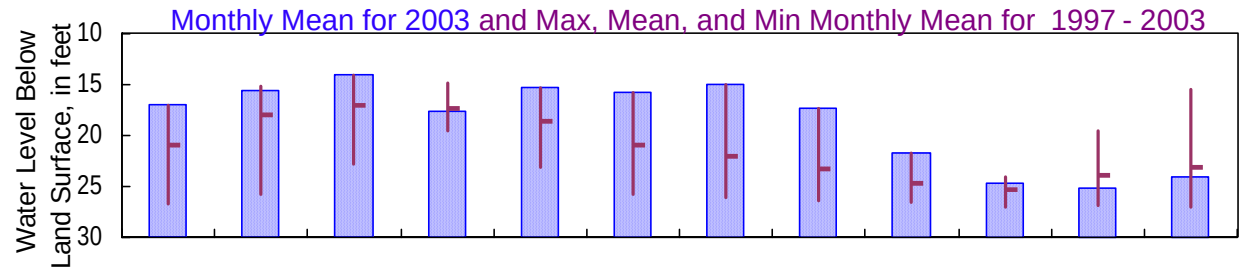
Paleozoic-Rock Aquifer

2003 Calendar Year

342922084511601 **Site Name: 07KK64**

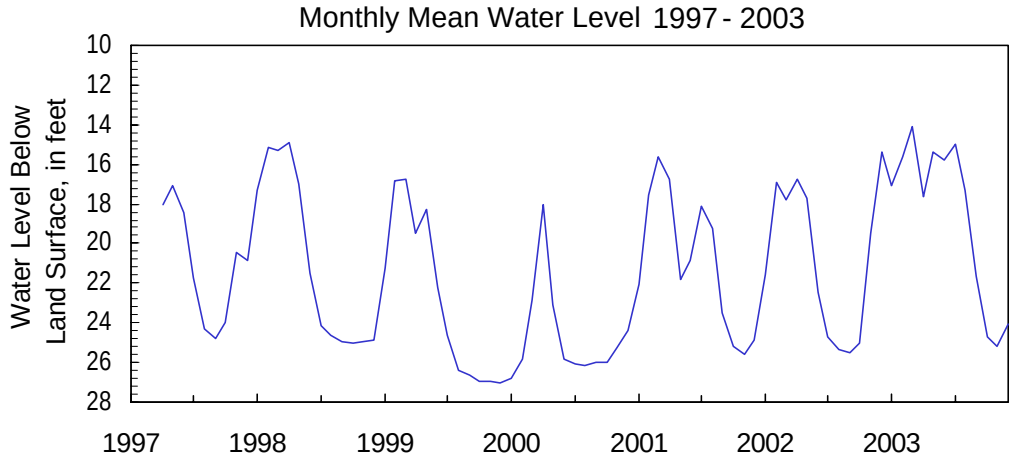
Latitude: 34°29' 22" Longitude: 84°51'16" Gordon County Period of Record: 1997
Well Depth: 300 feet Datum: 695 feet Well Diameter: 7 inches





Monthly Water-Level Statistics

2003												
Max	17.06	17.27	15.90	18.83	17.98	16.89	16.48	18.66	23.39	25.40	25.72	24.95
Mean	17.06	15.66	14.10	17.60	15.35	15.80	15.00	17.34	21.67	24.68	25.20	24.10
Min	15.28	12.53	12.29	16.00	13.27	14.41	12.91	15.98	18.85	23.42	23.66	23.06
1997 - 2003												
Max	27.20	26.57	26.20	22.78	25.31	26.09	26.21	26.65	26.79	27.28	27.23	27.25
Mean	21.33	17.92	17.10	17.31	18.61	21.01	22.07	23.35	24.72	25.28	23.98	23.07
Min	14.90	12.53	12.29	12.54	13.27	14.41	12.91	15.98	18.85	19.42	16.52	14.43



Crystalline-Rock Aquifer

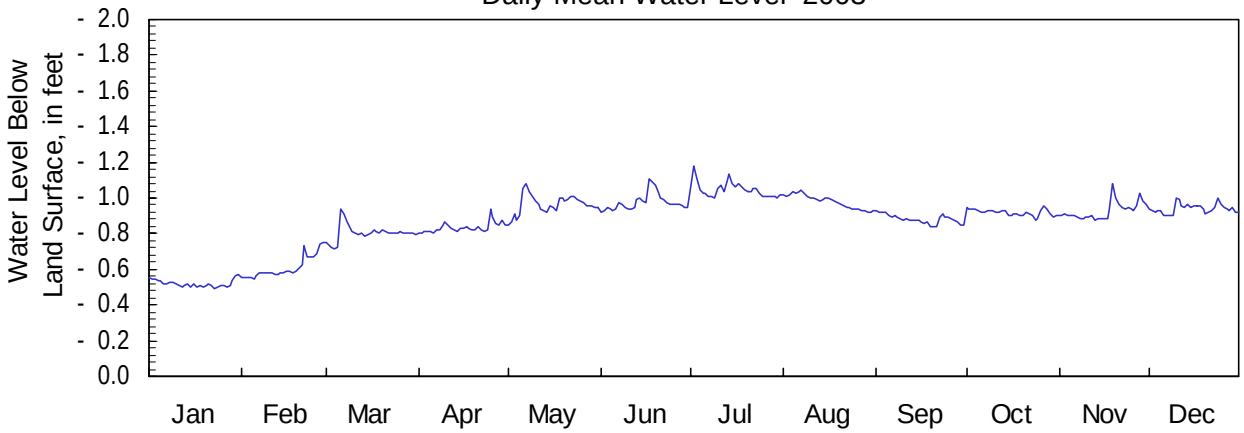
2003 Calendar Year

341913084325301 **Site Name: 09JJ02**

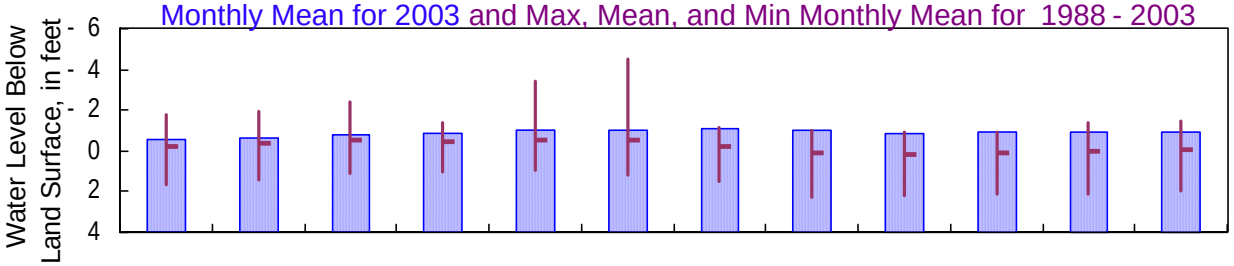
Latitude: 34°19' 13" Longitude: 84°32'53" Cherokee County Period of Record: 1988

Well Depth: 370 feet Datum: 1,060 feet Well Diameter: 8 inches

Daily Mean Water Level 2003



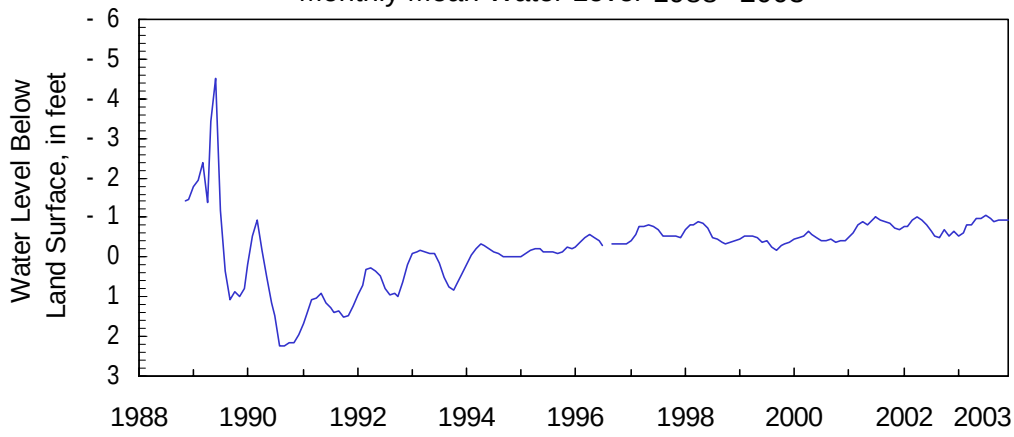
Monthly Mean for 2003 and Max, Mean, and Min Monthly Mean for 1988 - 2003

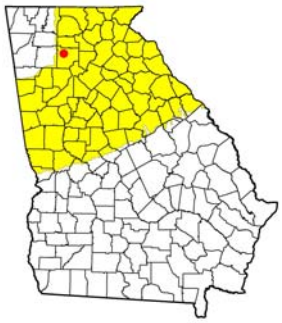


Monthly Water-Level Statistics

2003												
Max	-0.52	-0.55	-0.72	-0.80	-0.85	-0.92	-1.00	-0.92	-0.84	-0.88	-0.87	-0.90
Mean	-0.52	-0.61	-0.80	-0.83	-0.96	-0.97	-1.05	-0.98	-0.88	-0.92	-0.93	-0.94
Min	-0.57	-0.75	-0.94	-0.94	-1.08	-1.11	-1.18	-1.05	-0.93	-0.96	-1.08	-1.00
1988 - 2003												
Max	1.80	1.66	1.25	1.15	1.06	1.56	1.82	2.62	2.77	2.32	2.25	2.37
Mean	-0.24	-0.38	-0.56	-0.47	-0.57	-0.52	-0.18	0.08	0.14	0.12	0.02	-0.11
Min	-1.92	-2.25	-4.65	-5.15	-4.83	-5.79	-2.11	-1.05	-0.98	-0.96	-1.48	-1.62

Monthly Mean Water Level 1988 - 2003





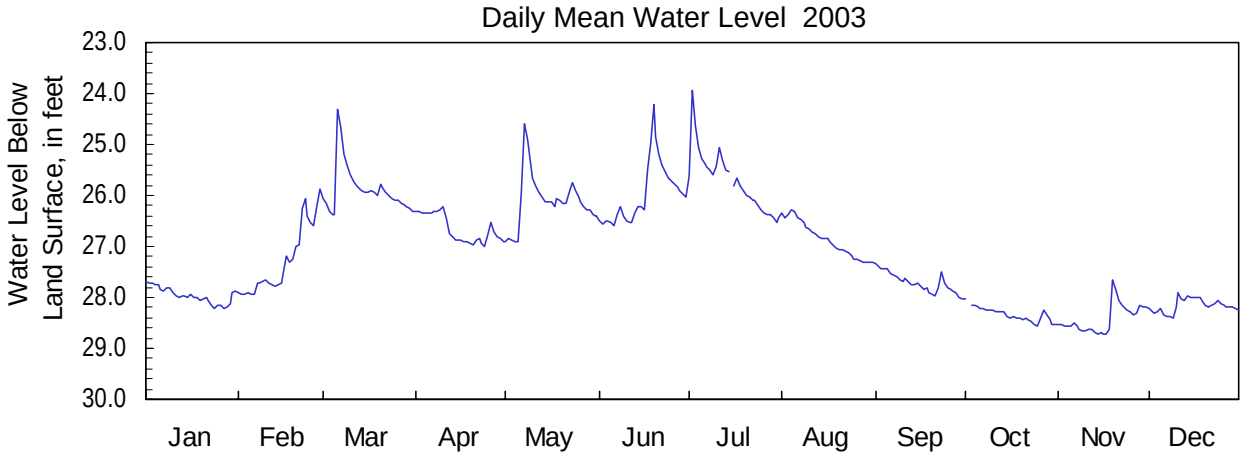
Crystalline-Rock Aquifer

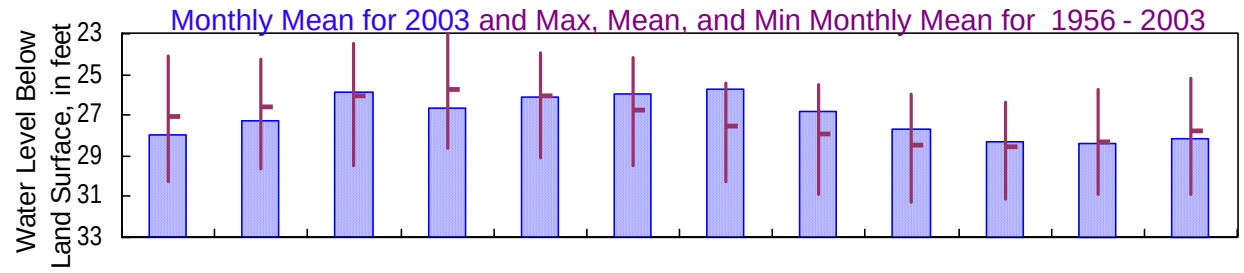
2003 Calendar Year

342125084083301 **Site Name: 12JJ04**

Latitude: 34°21' 27" Longitude: 84°08'34" Dawson County Period of Record: 1956

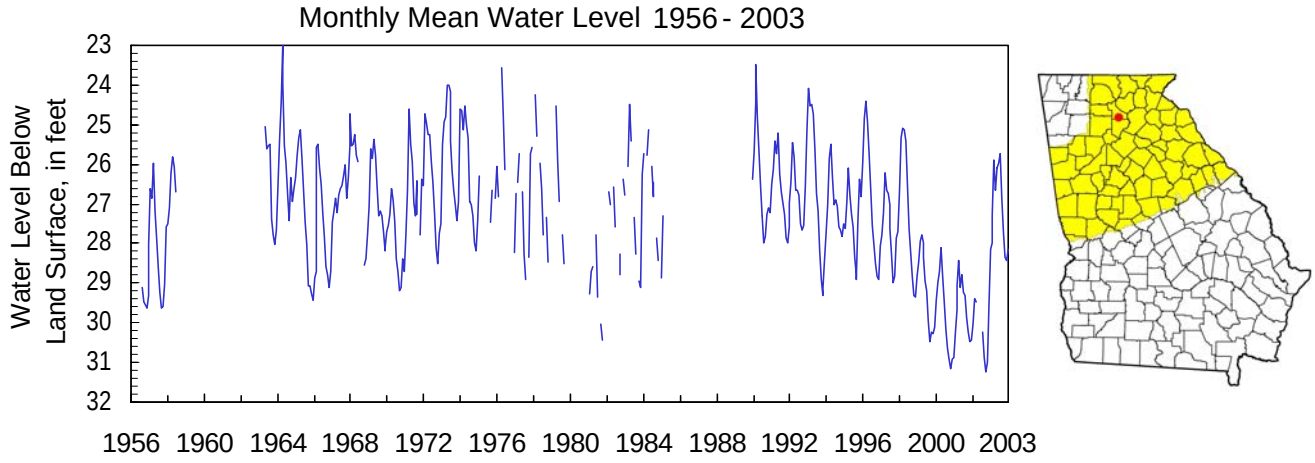
Well Depth: 399 feet Datum: 1,040 feet Well Diameter: 6 inches





Monthly Water-Level Statistics

2003												
Max	27.97	27.95	26.39	26.99	26.92	26.59	26.52	27.32	28.04	28.55	28.71	28.41
Mean	27.97	27.30	25.88	26.66	26.10	25.98	25.72	26.86	27.71	28.34	28.42	28.16
Min	27.69	25.89	24.31	26.21	24.58	24.23	23.94	26.27	27.35	28.03	27.65	27.90
1956 - 2003												
Max	30.82	29.86	29.68	28.86	29.26	29.74	30.46	31.26	31.58	31.32	30.98	31.10
Mean	27.33	26.51	25.74	25.70	26.19	26.79	27.43	27.91	28.45	28.58	28.33	27.91
Min	21.57	23.10	19.51	19.29	22.05	23.42	23.94	23.40	25.40	24.25	24.61	23.51

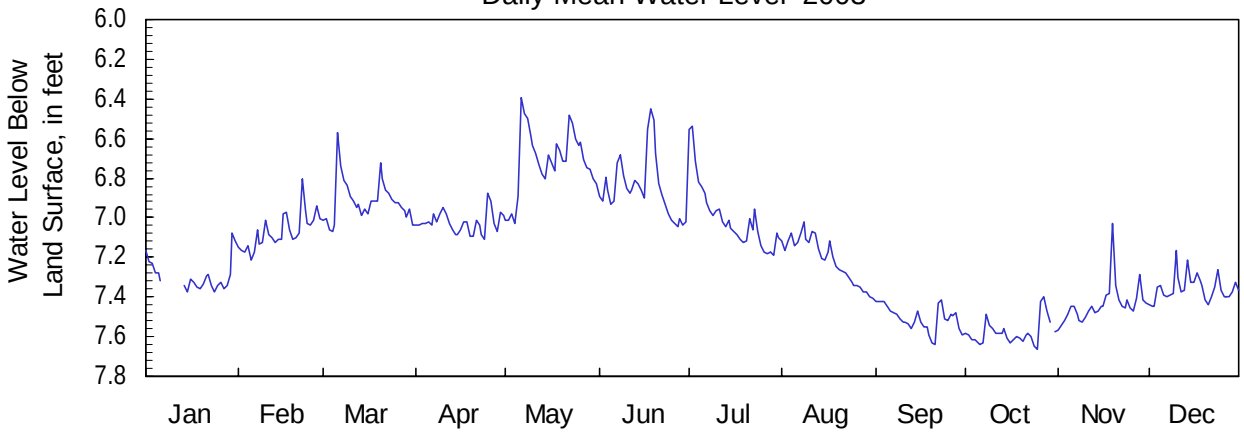


Crystalline-Rock Aquifer
2003 Calendar Year

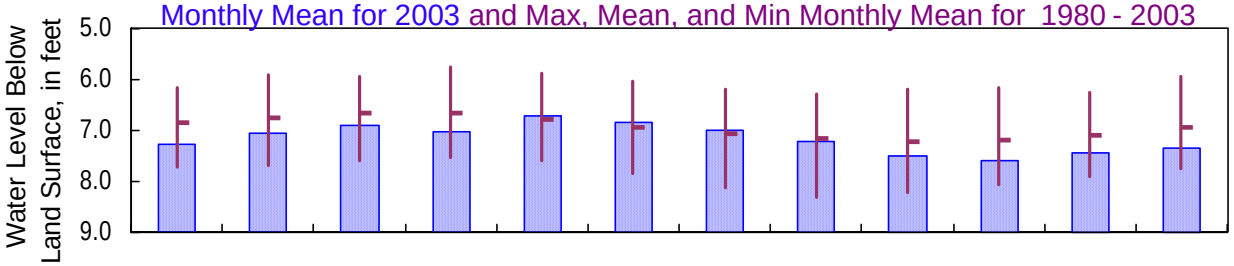
335517084164001 **Site Name: 11FF04**

Latitude: 33°55' 17" Longitude: 84°16'40" De Kalb County Period of Record: 1980
Well Depth: 620 feet Datum: 963 feet Well Diameter: 6 inches

Daily Mean Water Level 2003



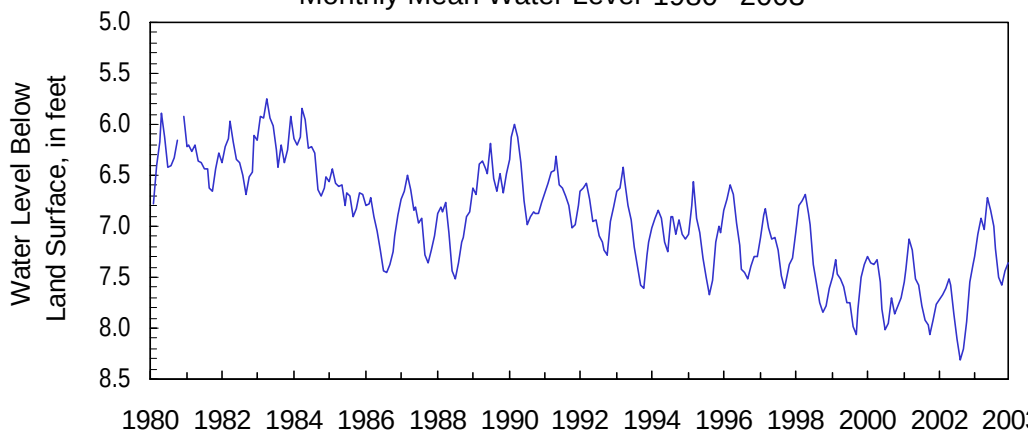
Monthly Mean for 2003 and Max, Mean, and Min Monthly Mean for 1980 - 2003



Monthly Water-Level Statistics

2003												
Max	7.29	7.21	7.07	7.11	7.03	7.05	7.19	7.41	7.64	7.66	7.57	7.45
Mean	7.29	7.07	6.92	7.02	6.71	6.85	7.00	7.21	7.51	7.58	7.44	7.36
Min	7.07	6.81	6.57	6.87	6.39	6.45	6.54	7.02	7.41	7.40	7.03	7.17
1980 - 2003												
Max	7.93	7.80	7.81	7.65	7.78	7.99	8.26	8.44	8.51	8.11	8.03	7.93
Mean	6.86	6.74	6.66	6.70	6.79	6.99	7.09	7.16	7.23	7.20	7.10	6.97
Min	5.60	5.46	4.98	5.48	5.28	5.90	5.59	5.74	5.75	5.67	5.69	5.33

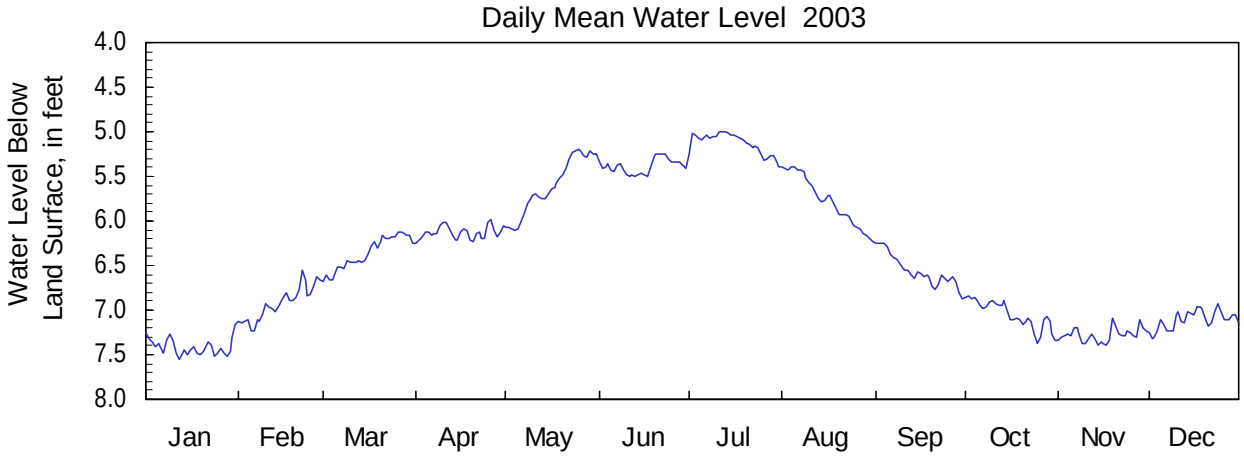
Monthly Mean Water Level 1980 - 2003

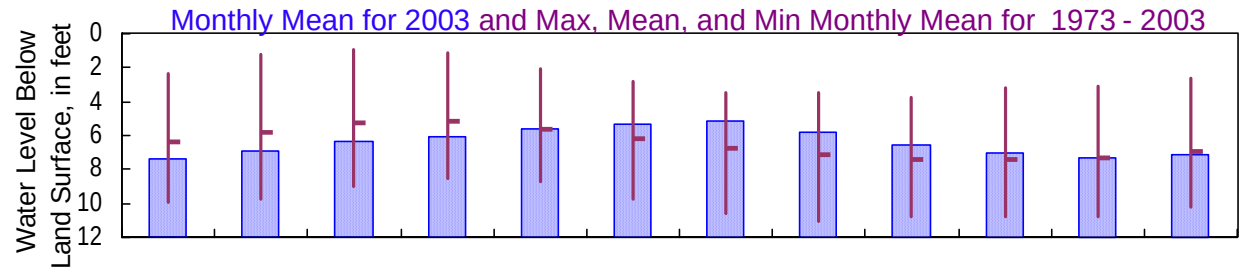


Crystalline-Rock Aquifer
2003 Calendar Year

334207084254801 **Site Name: 10DD02**

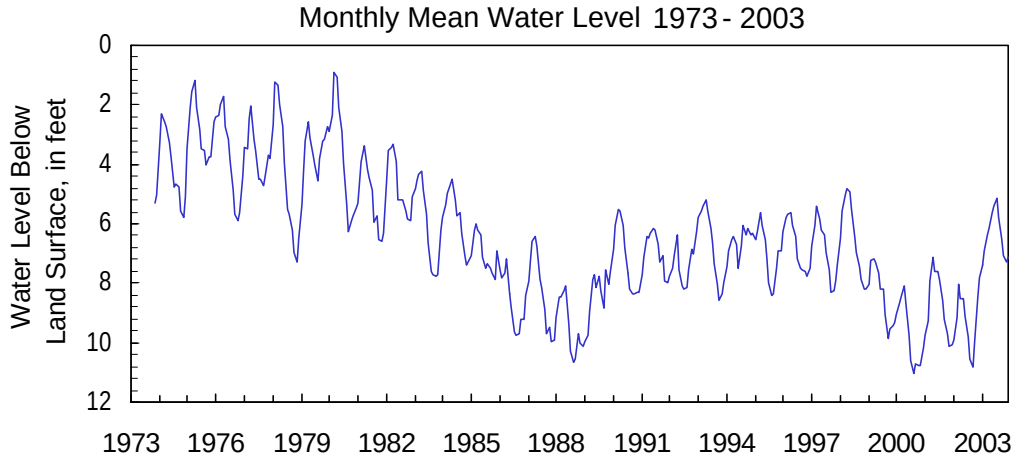
Latitude: 33°42' 07" Longitude: 84°25'48" Fulton County Period of Record: 1973
Well Depth: 338 feet Datum: 1,013 feet Well Diameter: 12 inches





Monthly Water-Level Statistics

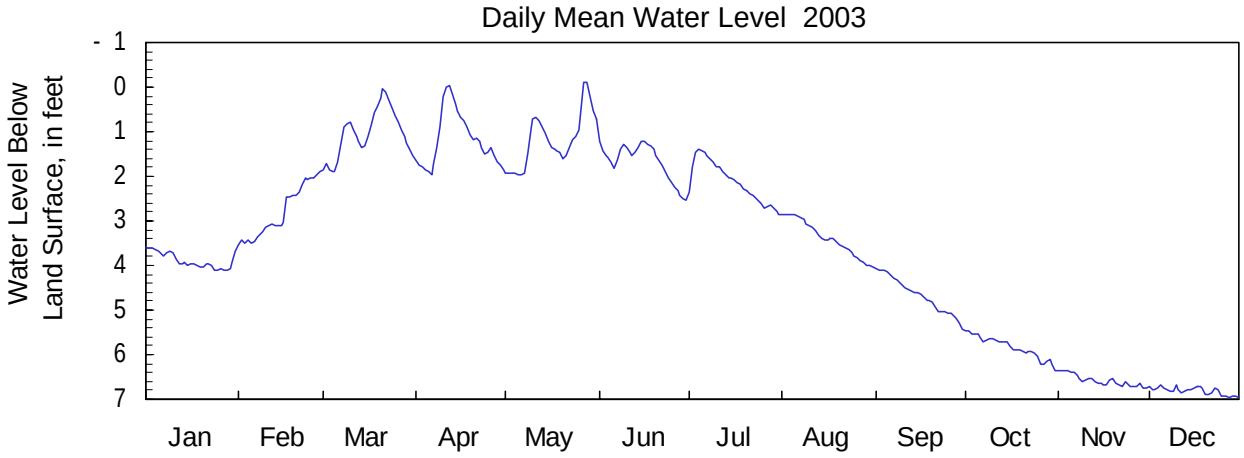
2003												
Max	7.41	7.24	6.67	6.25	6.10	5.50	5.39	6.23	6.87	7.38	7.39	7.31
Mean	7.41	6.93	6.36	6.13	5.61	5.38	5.13	5.77	6.56	7.05	7.28	7.11
Min	7.17	6.55	6.12	5.98	5.20	5.25	4.99	5.40	6.25	6.85	7.10	6.93
1973 - 2003												
Max	10.21	9.94	9.40	8.66	9.10	10.26	10.91	11.30	11.28	11.05	11.11	10.46
Mean	6.41	5.77	5.29	5.15	5.60	6.20	6.72	7.16	7.48	7.39	7.39	6.97
Min	0.60	0.80	0.10	0.33	1.67	2.27	3.21	2.26	2.87	2.75	1.87	2.13

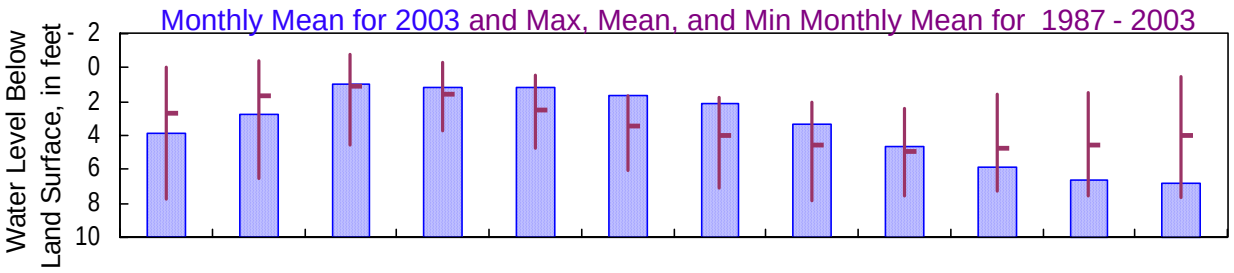


Crystalline-Rock Aquifer
2003 Calendar Year

332808083010201 **Site Name: 21BB04**

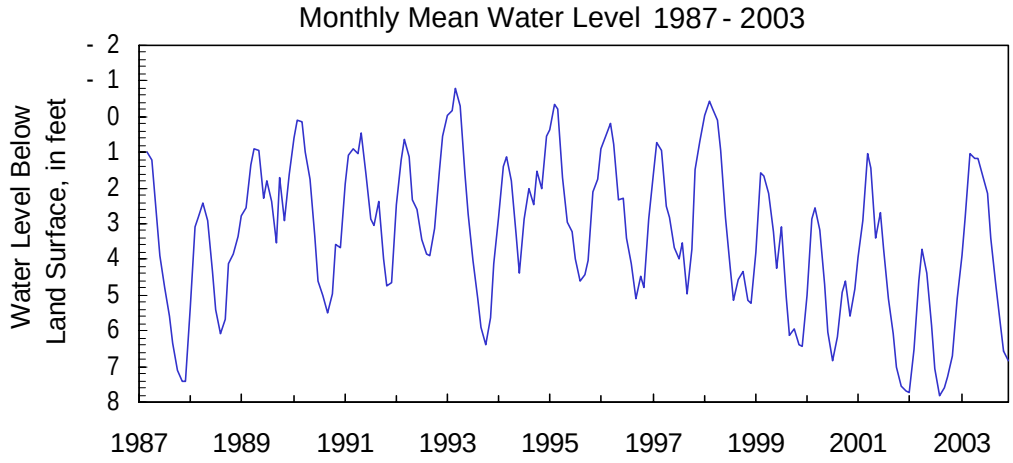
Latitude: 33°28' 08" Longitude: 83°01'02" Greene County Period of Record: 1987
Well Depth: 497 feet Datum: 675 feet Well Diameter: 6 inches





Monthly Water-Level Statistics

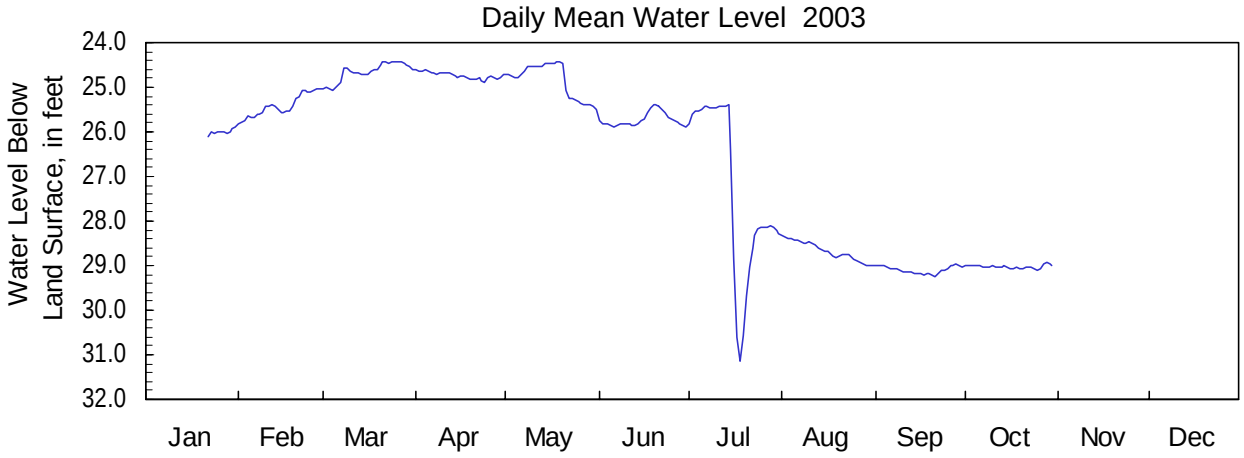
2003												
Max	3.89	3.52	1.90	1.97	1.98	2.54	2.86	4.04	5.42	6.35	6.75	6.97
Mean	3.89	2.82	1.04	1.19	1.18	1.67	2.13	3.39	4.66	5.83	6.58	6.82
Min	3.59	1.88	0.04	-0.05	-0.09	1.20	1.38	2.84	4.08	5.47	6.35	6.68
1987 - 2003												
Max	7.85	7.73	6.39	4.29	5.49	6.53	7.58	8.00	8.07	7.46	7.87	7.77
Mean	2.98	1.87	1.15	1.52	2.48	3.40	4.01	4.59	4.95	4.72	4.59	4.00
Min	-0.78	-1.12	-1.25	-1.20	-0.18	0.42	0.72	0.22	1.28	0.30	-0.18	0.03

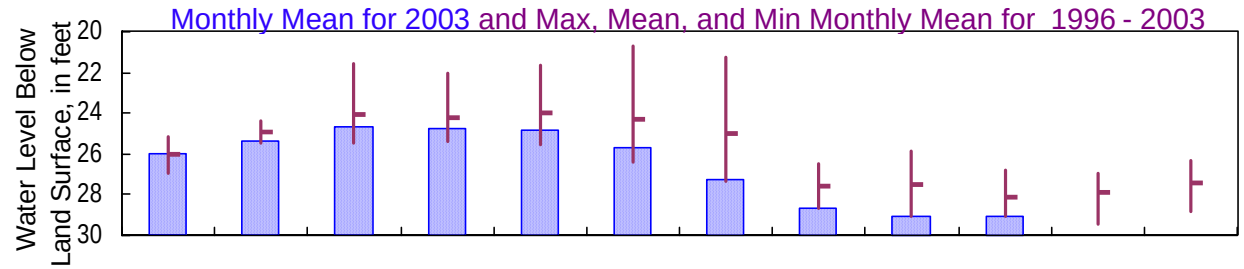


Crystalline-Rock Aquifer
2003 Calendar Year

335839083572301 **Site Name: 14FF42**

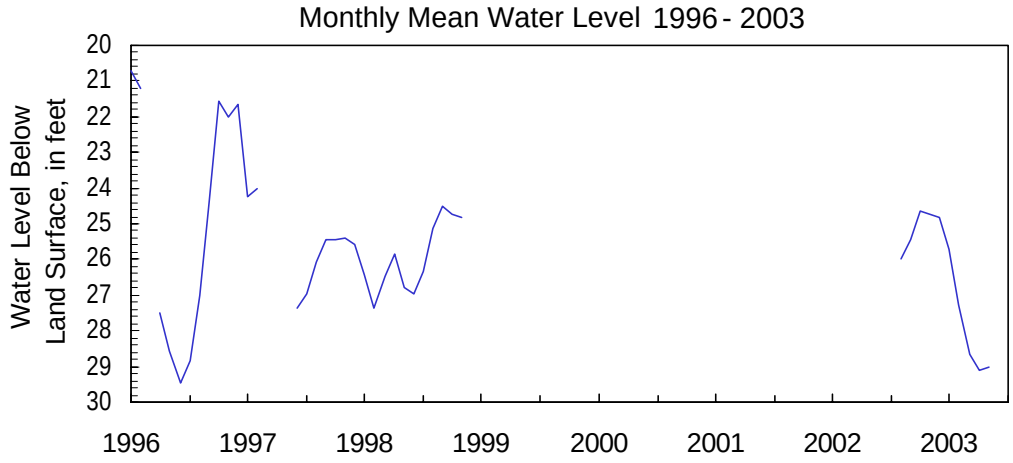
Latitude: 33°58' 39" Longitude: 83°57'23" Gwinnett County Period of Record: 1996
Well Depth: 599 feet Datum: 1,029 feet Well Diameter: 8 inches

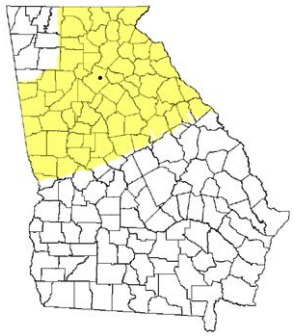




Monthly Water-Level Statistics

2003												
Max	26.00	25.82	25.06	24.88	25.52	25.91	31.15	29.02	29.24	29.12		
Mean	26.00	25.42	24.66	24.74	24.84	25.73	27.28	28.67	29.10	29.03		
Min	25.89	25.03	24.41	24.62	24.42	25.39	25.41	28.32	28.97	28.94		
1996 - 2003												
Max	28.33	25.88	25.80	25.77	26.26	27.17	31.15	29.02	29.24	29.43	29.54	29.26
Mean	26.06	24.90	24.37	24.13	24.02	24.99	25.62	27.57	27.48	28.12	28.06	27.39
Min	24.66	23.72	21.08	21.23	21.09	20.32	21.05	25.77	25.27	26.35	26.66	25.55

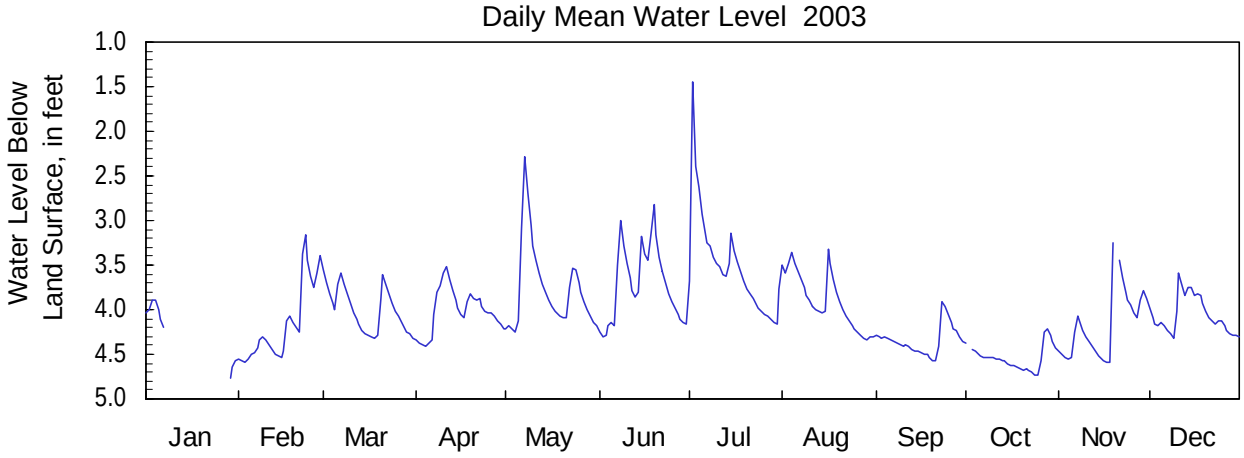


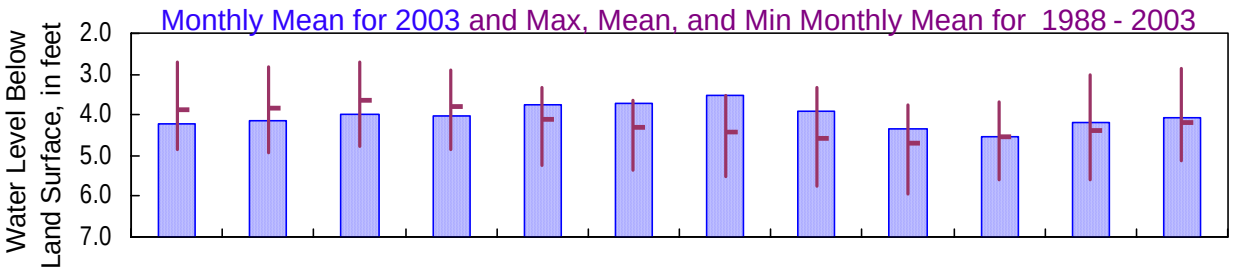


Crystalline-Rock Aquifer
2003 Calendar Year

344314083433201 **Site Name: 16MM03**

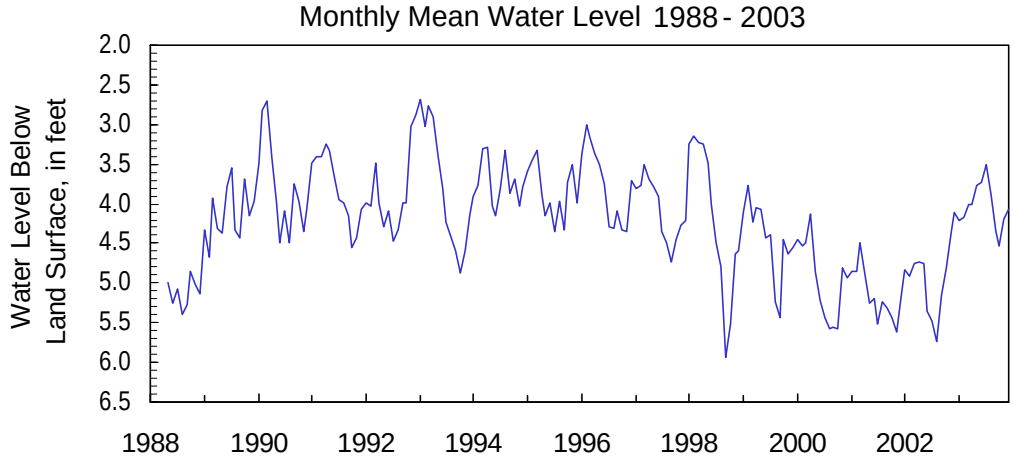
Latitude: 34°43' 14" Longitude: 83°43'32" White County Period of Record: 1988
Well Depth: 400 feet Datum: 1,550 feet Well Diameter: 6 inches

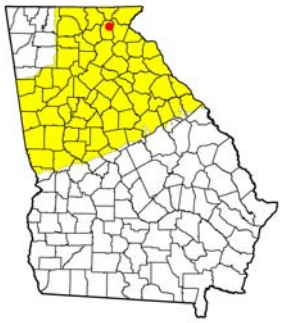




Monthly Water-Level Statistics

2003												
Max	4.21	4.59	4.32	4.41	4.25	4.30	4.17	4.34	4.58	4.72	4.60	4.31
Mean	4.21	4.17	4.00	4.01	3.77	3.72	3.51	3.90	4.35	4.54	4.18	4.06
Min	3.89	3.17	3.56	3.51	2.29	2.82	1.45	3.31	3.92	4.21	3.25	3.59
1988 - 2003												
Max	5.44	5.27	5.29	5.20	5.39	5.51	5.70	5.85	6.49	5.80	5.72	5.52
Mean	3.90	3.85	3.69	3.81	4.12	4.30	4.44	4.59	4.70	4.54	4.37	4.21
Min	0.58	1.51	0.74	2.30	2.25	1.90	1.45	0.94	1.55	1.01	2.16	1.19





Chloride Concentration in Water from the Floridan Aquifer System

Chloride concentration in water from the Floridan aquifer system has been monitored by the U.S. Geological Survey in Coastal Georgia since the 1950's. During 2003 wells completed in the Upper and Lower Floridan aquifers in the Brunswick, Glynn County area were pumped and sampled. Water supply in the Brunswick area primarily is obtained from wells completed in the Upper Floridan aquifer. Intense pumping has reduced pressure in the aquifer and resulted in saltwater intrusion locally at Brunswick. Saltwater was first detected in the southernmost part of Brunswick during the late 1950's (Wait, 1965). Saltwater was migrating upward from deep saline zones through breaches in confining units as a result of reduced pressure in the aquifer. By the 1960's, a plume had migrated northward toward two major industrial pumping centers. Currently (2003), chloride concentration in water from the Upper Floridan aquifer is above State and Federal secondary drinking-water standards (Georgia Environmental protection Division, 1997; U.S. Environmental Protection Agency, 2000) in a 2-square-mile area in downtown Brunswick, and exceeds 2,250 milligrams per liter in part of the area (Leeth and others, 2003). More information on the Brunswick area monitoring can be accessed at URL: http://ga2.er.usgs.gov/Brunswick.

References Cited

Georgia Environmental Protection Division, 1997, Secondary maximum contaminant levels for drinking water: Environmental Rule 391-3-5-19, revised October 1997: Official Code of Georgia Annotated Statutes, Statute 12-5-170 (Georgia Safe Drinking Water Act), variously paginated.

Leeth, D.C., Clarke, J.S., Craigg, S.D., and Wipperfurth, C.J., 2003, Ground-water conditions and studies in Georgia, 2001: U.S. Geological Survey Water-Resources Investigations Report 03-4032, p. 96.

U.S. Environmental Protection Agency, 2000, Maximum contaminant levels (Part 143, National Secondary Drinking Water Regulations): U.S. Code of Federal Regulations, Title 40, Parts 100-149, revised as of July 1, 2000, p. 612-614.

Wait, R.L., 1965, Geology and occurrence of fresh and brackish ground water in Glynn County, Georgia: U.S. Geological Survey Water Supply Paper 1613-E, 94 p.

LIST OF ACTIVE AND DISCONTINUED CONTINUOUS GAGING STATIONS

The following list contains discontinued and currently operated continuous-record streamflow stations on streams within the State of Georgia and its border with adjacent States. Daily streamflow record were collected and published for the periods of record shown for each station. Some stations have monthly figures published for additional periods other than those noted in the period of record column. The stations in bold text are active gaging stations.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record
02177000	**Chattooga River near Clayton**	**34° 48'50"**	**83° 18'22"**	**207**	**Oct. 1, 1939 to current year**
02178000	Chattooga River near Tallulah Falls	34° 47'31"	83° 19'22"	256	Jan. 1, 1917 to Jan. 27, 1918
					Oct. 1, 1918 to Sep. 30, 1929
02178400	**Tallulah River near Clayton**	**34° 53'25"**	**83° 31'50"**	**56.5**	**Jul. 15, 1964 to current year**
02179000	Tallulah River near Seed	34° 46'32"	83° 31'17"	129	Jan. 1, 1916 to Apr. 25, 1920
02180500	Tiger Creek at Lakemont	34° 46'52"	83° 24'54"	26.0	Jan. 11, 1916 to Sep. 30, 1918
02181000	Tallulah River at Mathis	34° 46'44"	83° 24'43"	177	Mar. 27, 1913 to Sep. 30, 1916
02181500	Tallulah River at Tallulah Falls	34° 44'16"	83° 23'51"	183	Jul. 15, 1904 to Jun. 30, 1909
02181850	**Tallulah River above Powerhouse, near Tallulah Falls**	**34° 43'55"**	**83° 22'33"**	**184**	**Nov. 15, 1997 to current year**
02182000	Panther Creek near Toccoa	34° 40'40"	83° 20'43"	32.5	Oct. 1, 1942 to Sep. 30, 1971
02184000	Tugaloo River near Hartwell	34° 29'06"	82° 54'33"	909	Apr. 28, 1925 to Sep. 30, 1927
					Feb. 1, 1940 to Sep. 30, 1960
02187252	Savannah River below Hartwell Lake, near Hartwell	34° 21'15"	82° 48'55"	2,090	Oct. 1, 1984 to Sep. 30, 1999
02187500	Savannah River near Iva, SC	34° 15'20"	82° 44'42"	2,231	Oct. 1, 1950 to Sep. 30, 1981
02188500	Beaverdam Creek at Dewy Rose	34° 10'52"	82° 56'38"	38.4	Oct. 1, 1942 to Sep. 30, 1977
02188600	Beaverdam Creek above Elberton	34° 10'07"	82° 53'48"	72.0	Oct. 1, 1986 to Oct. 8, 1996
02188680	Beaverdam Creek near Elberton	34° 08'29"	82° 51'15"	89.6	Oct. 1, 1984 to Jun. 30, 1986
02189000	Savannah River near Calhoun Falls, SC	34° 04'15"	82° 38'30"	2,880	Oct. 1, 1896 to Apr. 30, 1898
					Apr. 1, 1899 to Sep. 30, 1900
					Apr. 1, 1930 to Apr. 30, 1932
					Apr. 1, 1938 to Sep. 30, 1979
02189050	North Fork Broad River above Toccoa	34° 34'25"	83° 22'00"	3.66	Oct. 1, 1958 to Sep. 30, 1969
02189100	Denmans Creek near Toccoa	34° 34'22"	83° 22'00"	0.74	Apr. 15, 1956 to Sep. 30, 1969
02189500	North Fork Broad River near Toccoa	34° 30'49"	83° 19'19"	18.3	May 1, 1954 to Sep. 30, 1969
02189600	Bear Creek near Mize	34° 29'07"	83° 18'38"	3.62	Dec. 1, 1956 to Sep. 30, 1969
02190000	North Fork Broad River near Lavonia	34° 27'10"	83° 14'23"	42.0	May 1, 1954 to Sep. 30, 1969
02190100	Toms Creek near Eastanollee	34° 29'01"	83° 14'02"	3.79	Oct. 1, 1956 to Sep. 30, 1969
02190200	Toms Creek near Avalon	34° 29'35"	83° 13'23"	1.20	Oct. 1, 1954 to Sep. 30, 1969
02190500	Toms Creek near Martin	34° 27'47"	83° 13'19"	10.3	Jun. 17, 1954 to Sep. 30, 1969
02191000	North Fork Broad River near Carnesville	34° 19'25"	83° 11'10"	119	Oct. 1, 1942 to Dec. 31, 1944
					May 1, 1954 to Sep. 30, 1969
02191200	Hudson River at Homer	34° 20'15"	83° 29'17"	60.9	Jun. 1, 1959 to Sep. 30, 1979
02191300	**Broad River above Carlton**	**34° 04'24"**	**83° 00'12"**	**760**	**Oct. 1, 1997 to current year**
02191500	Broad River near Carlton	34° 03'56"	82° 59'33"	762	Jul. 1, 1897 to Dec. 31, 1912
02191743	**South Fork Broad River at Carlton**	**34° 01'53"**	**83° 00'33"**	**224**	**May 23, 2000 to current year**
02191970	Little Macks Creek near Lexington	33° 56'09"	82° 57'41"	1.73	Dec. 5, 1974 to Sep. 30, 1985
02192000	**Broad River near Bell**	**33° 58'27"**	**82° 46'12"**	**1,430**	**Nov. 1, 1926 to Jul. 31, 1932**
					Aug. 1, 1937 to current year
02193340	**Kettle Creek near Washington**	**33° 40'57"**	**82° 51'29"**	**33.9**	**Apr. 16, 1986 to current year**
02193500	**Little River near Washington**	**33° 36'40"**	**82° 44'40"**	**291**	**Oct. 1, 1949 to Jun. 23, 1971**
					May 1, 1989 to current year
02194000	Little River near Linconton	33° 38'40"	82° 28'40"	574	Jan. 1, 1943 to Mar. 31, 1951
02196484	Savannah River near North Augusta, SC	33° 33'06"	82° 02'19"	7,150	Oct. 1, 1988 **to** Sep. 30, 2001
02196820	Butler Creek at Fort Gordon	33° 26'36"	82° 07'43"	7.50	Oct. 1, 1968 to Jan. 22, 1991
02196835	**Butler Creek below 7th Avenue, at Fort Gordon**	**33° 26'17"**	**82° 07'05"**	**7.90**	**Mar. 27, 2001 to current year**
02197000	**Savannah River at Augusta**	**33° 22'25"**	**81° 56'35"**	**7,508**	**Apr. 1, 1883 to Sep. 30, 1891**
					Apr. 1, 1896 to Sep. 30, 1906
					Apr. 1, 1925 to current year
02197020	**Spirit Creek at US 1, near Augusta**	**33°22'24"**	**82°08'21"**	**17.2**	**Mar. 26, 2001 to current year**
02197320	Savannah River near Jackson, SC	33° 13'01"	81° 46'04"	7,800	Oct. 1, 1971 to Sep. 30, 2001
02197500	**Savannah River at Burtons Ferry, Bridge, near Millhaven**	**32° 56'20"**	**81° 30'10"**	**8,650**	**Oct. 1, 1939 to Sep. 30, 1970**
					Oct. 1, 1982 to current year
02197520	Brier Creek near Thomson	33° 22'06"	82° 28'06"	55.0	Jul. 18, 1967 to Sep. 30, 1993
02197550	Little Brier Creek near Thomson	33° 20'24"	82° 27'29"	24.0	Jun. 24, 1960 to Jun. 30, 1967
02197600	**Brushy Creek near Wrens**	**33° 10'37"**	**82° 18'21"**	**28.0**	**May 29, 1958 to current year**
02197830	Brier Creek near Waynesboro	33° 07'05"	81° 57'50"	473	Jul. 1, 1969 to Jan. 19, 1995

LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record
02198000	**Brier Creek at Millhaven**	**32° 56'00"**	**81° 39'05"**	**646**	**Apr. 14, 1937 to current year**
02198100	**Beaverdam Creek near Sardis**	**32° 56'15"**	**81° 48'56"**	**30.8**	**Jun. 7, 1986 to current year**
02198500	**Savannah River near Clyo**	**32° 31'30"**	**81° 15'45"**	**9,850**	**Apr. 1, 1930 to Sep. 30, 1933**
					Oct. 1, 1937 to current year
02198690	**Ebenezer Creek at Springfield**	**32° 21'56"**	**81° 17'51"**	**181**	**Mar. 1, 1990 to current year**
02200500	Ogeechee River near Louisville	32° 58'03"	82° 23'26"	800	Apr. 1, 1937 to Dec. 31, 1949
02201000	**Williamson Swamp Creek at Davisboro**	**32° 58'32"**	**82° 36'36"**	**109**	**May 7, 1980 to current year**
02201230	**Ogeechee River at Midville**	**32°24'52"**	**82°14'07"**	**1,300**	**Feb. 26, 2003 to current year**
02202040	**Ogeechee River at Rocky Ford Road, near Rocky Ford**	**32°38'56"**	**81°50'27"**	**2,040**	**Sep. 26, 2002 to current year**
02202000	Ogeechee River at Scarboro	32° 42'38"	81° 52'46"	1,940	Apr. 1, 1937 to Jun. 30, 1971
02202500	**Ogeechee River near Eden**	**32° 11'29"**	**81° 24'58"**	**2,650**	**Apr. 27, 1937 to current year**
02202600	**Black Creek near Blitchton**	**32° 10'04"**	**81° 29'18"**	**232**	**Feb. 14, 1980 to current year**
02203000	**Canoochee River near Claxton**	**32° 11'05"**	**81° 53'20"**	**555**	**May 26, 1937 to current year**
02203500	Canoochee River near Groveland	32° 05'55"	81° 43'43"	921	Jun. 23, 1903 to Dec. 31, 1907
02203559	Peacock Creek at McIntosh	31° 48'49"	81° 31'13"	33.0	Oct. 1, 1966 to Sep. 30, 1977
02203600	South River at East Point	33° 40'50"	84° 25'15"	1.49	Oct. 1, 1963 to Sep. 30, 1969
02203655	**South River at Forest Park Road, at Atlanta**	**33°40'44"**	**84°21'29"**	**22.5**	**Nov. 20, 2002 to current year**
02203700	**Intrenchment Creek near Atlanta**	**33°41"20"**	**84°19'50"**	**10.6**	**Apr. 4, 2003 to current year**
02203900	South River at Flakes Mill Road, near Atlanta	33° 39'58"	84° 13'29"	99.0	Aug. 23, 1979 to Sep. 30, 1983
02204070	**South River at Klondike Road, near Lithonia**	**33° 37'47"**	**84° 07'43"**	**182**	**Oct. 1, 1983 to current year**
02204118	**Honey Creek at Hurst Road, near Conyers**	**33°39'44"**	**84°05'03"**	**8.0**	**Apr. 18, 2003 to current year**
02204130	**Honey Creek at GA 212, near Conyers**	**33°34'47"**	**84°03'51"**	**26.0**	**Nov. 2, 2002 to current year**
02204285	Pates Creek near Flippen	33° 29'34"	84° 14'44"	11.9	Aug. 9, 1977 to Sep. 30, 1984
02204500	South River near McDonough	33° 29'48"	84° 00'53"	456	Oct. 1, 1939 to Sep. 30, 1960
					Oct. 1, 1975 to Sep. 30, 1982
02205000	Wildcat Creek near Lawrenceville	34° 00'08"	84° 00'18"	1.59	Oct. 1, 1953 to Sep. 30, 1982
02205500	Pew Creek near Lawrenceville	33° 56'05"	84° 01'00"	2.23	Oct. 1, 1953 to Sep. 30, 1963
02206000	Shetley Creek near Norcross	33° 57'20"	84° 09'40"	0.98	Oct. 1, 1953 to Sep. 30, 1963
02206500	**Yellow River near Snellville**	**33° 51'11"**	**84° 04'45"**	**134**	**Oct. 1, 1942 to Sep. 30, 1971**
					Oct1, 1987 to current year
02207000	Garner Creek near Snellville	33° 51'45"	84° 05'50"	5.54	Oct. 1, 1953 to Sep. 30, 1963
02207120	**Yellow River at GA 124, near Lithonia**	**33° 46'22"**	**84° 03'30"**	**162**	**Aug. 16, 2001 to current year**
02207185	**No Business Creek at Lee Road, below Snellville**	**33° 46'40"**	**84° 02'16"**	**10.14**	**Oct. 1, 2000 to current year**
02207220	**Yellow River at Pleasant Hill Road, near Lithonia**	**33°44'01"**	**84°03'43"**	**213**	**Nov. 27, 2002 to current year**
02207335	**Yellow River at Gees Mill Road, near Milstead**	**33° 40'01"**	**83° 56'17"**	**260**	**Nov. 1, 2001 to current year**
02207385	**Big Haynes Creek at Lenora Road, near Snellville**	**33° 48'54"**	**83° 59'25"**	**17.30**	**Oct. 1, 2000 to current year**
02207400	**Brushy Fork Creek at Beaver Road, near Loganville**	**33° 49'17"**	**83° 56'33"**	**8.15**	**Oct. 1, 2000 to current year**
02207418	**Big Haynes Creek at Jack Turner Dam, near Milstead**	**33° 43'10"**	**83° 56'05"**	**46.3**	**Oct. 12, 2001 to current year**
02207435	**Little Haynes Creek at Dial Mill Road, near Milstead**	**33° 42'40"**	**83° 54'52"**	**25.1**	**Oct. 16, 2001 to current year**
02207448	**Big Haynes Creek at Bald Rock Road, near Milstead**	**33°39'41"**	**83°55'40"**	**79.0**	**Jun. 10, 2002 to current year**
02207500	Yellow River near Covington	33° 36'52"	83° 54'54"	378	Sep. 12, 1897 to Dec. 31, 1897
					May 9, 1899 to Dec. 31, 1901
					Jul. 1, 1944 to Sep. 30, 1960
					Oct. 1, 1975 to Sep. 30, 1982
02208150	**Alcovy River at New Hope Road, near Grayson**	**33° 55'03"**	**83° 53'17"**	**30.75**	**Oct. 1, 2000 to current year**
02208450	**Alcovy River above Covington**	**33° 38'24"**	**83° 46'45"**	**185**	**Jan. 26, 1972 to current year**
02208500	Alcovy River near Covington	33° 35'35"	83° 48'29"	228	May 1, 1901 to Dec. 31, 1904
02209000	Alcovy River below Covington	33° 30'21"	83° 49'30"	244	Oct. 1, 1928 to Apr. 30, 1932
					Jul. 1, 1944 to Dec. 31, 1949
02209500	Alcovy River near Stewart	33° 25'22"	83° 49'43"	291	Sep. 16, 1905 to Dec. 31, 1906
02210500	**Ocmulgee River near Jackson**	**33° 18'28"**	**83° 50'18"**	**1,420**	**May 18, 1906 to Sep. 30, 1915**
					Aug. 1, 1939 to Sep. 30, 1960
					Oct. 1, 1975 to Sep. 30, 1982
					Mar. 1, 1987 to current year
02211300	Towaliga River near Jackson	33° 15'50"	84° 04'17"	105	Jun. 1, 1960 to Sep. 30, 1971
02211459	Big Towaliga Creek near Barnesville	33° 04'20"	84° 11'04"	2.36	Oct. 1, 1974 to Sep. 30, 1980
02211500	Towaliga River near Forsyth	33° 07'17"	83° 56'36"	315	Feb. 1, 1929 to Mar. 31, 1932
					Jul. 1, 1944 to Dec. 31, 1949
02212500	Ocmulgee River at Juliette	33° 05'50"	83° 47'10"	1,960	Jun. 1, 1916 to Sep. 30, 1921
					Jul. 2, 1974 to May 15, 1988
02212600	**Falling Creek near Juliette**	**33° 05'59"**	**83° 43'25"**	**72.2**	**Jul. 7, 1964 to current year**
02213000	**Ocmulgee River at Macon**	**32° 50'19"**	**83° 37'14"**	**2,240**	**Feb. 1, 1893 to Jul. 31, 1912**
					Oct. 1, 1928 to current year
02213050	Walnut Creek near Gray	32° 58'20"	83° 37'08"	29.0	Oct. 1, 1961 to Apr. 26, 1994
02213470	Tobesofkee Creek above Macon	32° 52'02"	83° 50'24"	156	Apr. 1, 1967 to Sep. 30, 1971
02213500	**Tobesofkee Creek near Macon**	**32° 48'32"**	**83° 45'30"**	**182**	**Apr. 1, 1937 to current year**
02213700	**Ocmulgee River near Warner Robins**	**32° 40'17"**	**83° 36'11"**	**2,690**	**Oct. 1, 1972 to current year**

LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record		
02214000	Echeconnee Creek near Macon	32° 45'54"	83° 50'22"	147	Apr1, 1937	to	Sep. 30, 1943
22145000	Big Indian Creek at Perry	32° 27'20"	83° 44'21"	108	Oct. 1, 1943	to	Jul. 31, 1971
02215000	Ocmulgee River at Hawkinsville	32° 16'50"	83° 27'40"	3,800	Oct. 1, 1928	to	Dec. 31, 1931
					Oct. 1, 1943	to	Sep. 30, 1959
02215100	**Tucsawhatchee Creek near Hawkinsville**	**32o 14'22"**	**83° 30'06"**	**163**	**Apr. 1, 1986**	**to**	**current year**
02215400	Big Horse Creek near Lumber City	31° 51'07"	82° 49'37"	155	Oct. 1, 1958	to	Dec. 31, 1961
02215500	**Ocmulgee River at Lumber City**	**31° 55'06"**	**82° 40'26"**	**5,180**	**Oct. 1, 1936**	**to**	**current year**
02216000	Little Ocmulgee River at Towns	32° 00'28"	82° 45'10"	351	Apr. 1, 1937	to	Dec. 31, 1946
02216180	**Turnpike Creek near McRae**	**31° 59'29"**	**82° 55'19"**	**49.2**	**Jan. 1, 1983**	**to**	**current year**
02216610	Tillman Mill Creek near Lumber City	31° 58'53"	82° 38'32"	2.71	Oct. 1, 1974	to	Sep. 30, 1985
02217000	Allen Creek at Talmo	34° 11'34"	83° 43'11"	17.3	Jul. 7, 1951	to	Sep. 30, 1971
02217274	**Wheeler Creek at Bill Cheek Road, near Auburn**	**34° 04'56"**	**83° 51'17"**	**1.31**	**Jun. 29, 2001**	**to**	**current year**
02217475	**Middle Oconee River near Arcade**	**34° 01'54"**	**83° 33'48"**	**340**	**Mar. 1, 1987**	**to**	**current year**
02217500	**Middle Oconee River near Athens**	**33° 56'48"**	**83° 25'22"**	**392**	**Oct. 1, 1901**	**to**	**Sep. 30, 1902**
					Jan. 1, 1929	**to**	**Mar. 31, 1932**
					May 1, 1937	**to**	**current year**
02217770	**North Oconee River at College Street, at Athens**	**33°58'11"**	**83°22'39**	**264**	**Aug. 10, 2002**	**to**	**current year**
02217900	North Oconee River at Athens	33° 56'55"	83° 22'04"	290	Oct. 1, 1928	to	Mar. 31, 1932
					Jun. 24, 1944	to	Dec. 31, 1949
02218300	**Oconee River near Penfield**	**33° 43'16"**	**83° 17'44"**	**940**	**Aug. 1, 1977**	**to**	**current year**
02218500	Oconee River near Greensboro	33° 34'52"	83° 16'22"	1,090	Aug. 1, 1903	to	Sep. 30, 1932
					Apr. 1, 1937	to	Sep. 30, 1978
02218565	**Apalachee River at Fence Road, near Auburn**	**34° 00'37"**	**83° 53'39"**	**5.68**	**Jul. 13, 2001**	**to**	**current year**
02219000	**Apalachee River near Bostwick**	**33° 47'17"**	**83° 28'27"**	**176**	**Jul. 1, 1944**	**to**	**Dec. 31, 1949**
					Apr. 28, 1977	**to**	**current year**
02219500	Apalachee River near Buckhead	33° 36'31"	83° 20'58"	436	Jan. 1, 1901	to	Dec. 31, 1908
					Apr. 1, 1937	to	Sep. 30, 1978
02220500	Oconee River near Sparta	33° 20'05"	83° 08'38"	1,830	Oct. 1, 1949	to	Apr. 15, 1953
02220550	Whitten Creek near Sparta	33° 23'12"	83° 01'34"	16.6	Jun. 22, 1960	to	Apr. 16, 1986
02220900	**Little River near Eatonton**	**33° 18'50"**	**83° 26'14"**	**262**	**Aug. 1, 1977**	**to**	**current year**
02221000	Murder Creek near Monticello	33° 24'56"	83° 39'43"	24.0	Oct. 1, 1951	to	Sep. 30, 1971
02221525	**Murder Creek below Eatonton**	**33° 15'08"**	**83° 28'53"**	**190**	**Apr. 27, 1977**	**to**	**current year**
02223000	**Oconee River at Milledgeville**	**33° 05'22"**	**83° 12'56"**	**2,950**	**Sep. 1, 1903**	**to**	**current year**
02223056	**Oconee River at Avant Mine, near Oconee**	**32° 56'23"**	**83° 04'01"**	**3,100**	**Nov. 4, 1992**	**to**	**current year**
02223110	Buffalo Creek near Oconee	32° 53'28"	82° 57'40"	293	Jan. 28, 1993	to	Oct. 2, 1996
02223248	**Oconee River near Oconee**	**32° 47'14"**	**82° 57'26"**	**3,770**	**Nov. 1, 1992**	**to**	**current year**
02223300	Big Sandy Creek near Jeffersonville	32° 48'15"	83° 25'04"	31.0	Oct. 1, 1958	to	Sep. 30, 1971
02223382	Oconee River near Dublin	32° 41'41"	82° 56'20"	4,100	Nov. 4, 1992	to	Oct. 2, 1996
02223500	**Oconee River at Dublin**	**32° 32'40"**	**82° 53'41"**	**4,400**	**Oct. 1, 1897**	**to**	**current year**
02224000	Rocky Creek near Dudley	32° 29'38"	83° 08'49"	62.9	Dec. 1, 1951	to	Sep. 30, 1976
02224500	Oconee River near Mt. Vernon	32° 11'28"	82° 38'00"	5,110	Oct. 1, 1937	to	Dec. 31, 1955
02225000	**Altamaha River near Baxley**	**31° 56'20"**	**82° 21'13"**	**11,600**	**Aug. 14, 1949**	**to**	**Jun. 30, 1951**
					Oct. 1, 1970	**to**	**current year**
02225500	**Ohoopee River near Reidsville**	**32° 04'42"**	**82° 10'39"**	**1,110**	**Jun. 24, 1903**	**to**	**Dec. 31, 1907**
					May 25, 1937	**to**	**current year**
02226000	**Altamaha River at Doctortown**	**31° 39'16"**	**81° 49'41"**	**13,600**	**Oct. 1, 1931**	**to**	**current year**
02226100	Penholoway Creek near Jesup	31° 34'00"	81° 50'18"	210	Jul. 1, 1958	to	Mar. 27, 2001
02226500	**Satilla River near Waycross**	**31° 14'17"**	**82° 19'29"**	**1,200**	**Apr. 1, 1937**	**to**	**current year**
02226600	Burket Creek near Roper	31° 47'42"	82° 37'33"	7.10	Jul. 1, 1956	to	Sep. 30, 1963
02226700	Whitehead Creek near Denton	31° 44'00"	82° 41'26"	28.0	Jul. 1, 1956	to	Sep. 30, 1963
02226900	Hurricane Creek near Hazelhurst	31° 40'58"	82° 34'15"	102	Jul. 1, 1956	to	Sep. 30, 1963
02227000	Hurricane Creek near Alma	31° 34'00"	82° 27'50"	139	Oct. 1, 1951	to	Sep. 30, 1971
02227500	**Little Satilla River near Offerman**	**31° 27'04"**	**82° 03'17"**	**646**	**Jan. 27, 1951**	**to**	**current year**
02228000	**Satilla River at Atkinson**	**31° 13'16"**	**81° 52'03"**	**2,790**	**Mar. 21, 1930**	**to**	**current year**
02228500	**North Prong St Marys River at Moniac**	**30° 31'03"**	**82° 13'50"**	**160**	**Feb. 1, 1921**	**to**	**Dec. 31, 1923**
					Feb. 1, 1927	**to**	**Jun. 30, 1930**
					Aug. 1, 1932	**to**	**Jun. 30, 1934**
					Oct. 1, 1950	**to**	**current year**
02231000	**St Marys River near Macclenny, FL**	**30° 21'31"**	**82° 04'54"**	**700**	**Oct. 1, 1926**	**to**	**current year**
02231253	St Marys River near Gross, FL	30° 44'29"	81° 41'17"	1,360	Apr. 1, 1966	to	May 31, 1975
					Oct. 1, 1980	to	Sep. 30, 1983
					Oct. 1, 1984	to	Aug. 31, 1990
02314500	**Suwannee River at Fargo**	**30° 40'50"**	**82° 33'38"**	**1,260**	**Jan. 28, 1927**	**to**	**Dec. 9, 1931**
					Apr. 20, 1937	**to**	**current year**
02316000	**Alapaha River near Alapaha**	**31° 23'03"**	**83° 11'33"**	**663**	**Apr. 26, 1937**	**to**	**Sep. 30, 1976**
					Sep. 4, 2002	**to**	**current year**
02317000	Alapaha River at May Day	30° 49'40"	83° 01'05"	1,300	Oct. 1, 1928	to	Dec. 9, 1931

LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record		
02317500	**Alapaha River at Statenville**	**30° 42'14"**	**83° 02'00"**	**1,400**	**Jan. 28, 1921**	**to**	**Jun. 30, 1921**
					Dec. 10, 1931	**to**	**current year**
02317748	Withlacoochee River near Bemiss	30° 57'24"	83° 16'12"	501	Oct. 13, 1976	to	Dec. 31, 1981
023177483	**Withlacoochee River at McMillan Road, near Bemiss**	**30° 56'50"**	**83° 16'22"**	**502**	**Jun. 11, 1988**	**to**	**current year**
02317755	Withlacoochee River at US 41, near Valdosta	30° 53'33"	83° 19'08"	537	Oct. 20, 1976	to	Sep. 30, 1978
					Aug. 31, 1988	to	Jan. 3, 1990
02317830	Little River near Lenox	31° 15'15"	83° 30'32"	208	May 1, 1967	to	Sep. 30, 1971
					Oct. 1, 1976	to	Sep. 30, 1978
02318000	**Little River near Adel**	**31° 19'39"**	**83° 32'32"**	**577**	**Jun. 12, 1940**	**to**	**Sep. 30, 1971**
					Oct. 1, 2002	**to**	**current year**
02318500	**Withlacoochee River at US 84, near Quitman**	**30° 47'35"**	**83° 27'13"**	**1,480**	**Oct. 1, 1928**	**to**	**Dec. 11, 1931**
					Jun. 9, 1937	**to**	**May 31, 1948**
					Oct. 1, 1988	**to**	**May 7, 1992**
					Jun. 1, 1992	**to**	**current year**
02318700	**Okapilco Creek at GA 33, near Quitman**	**30° 49'32"**	**83° 33'45"**	**269**	**Dec. 21, 1979**	**to**	**current year**
02327500	**Ochlockonee River near Thomasville**	**30° 52'32"**	**84° 02'44"**	**550**	**Aug. 11, 1937**	**to**	**Jun. 30, 1971**
					Oct. 11, 2000	**to**	**current year**
02328000	Tired Creek near Cairo	30° 51'54"	84° 15'46"	60.0	Oct. 1, 1943	to	Feb. 29, 1948
					Apr. 26, 1948	to	Jun. 30, 1971
02329342	**Little Attapulgus Creek at Attapulgus**	**30° 44'08"**	**84° 29'49"**	**16.9**	**Nov. 15, 1991**	**to**	**current year**
02330450	**Chattahoochee River at Helen**	**34° 42'03"**	**83° 43'44"**	**44.7**	**May 5, 1981**	**to**	**current year**
02331000	Chattahoochee River near Leaf	34° 34'37"	83° 38'09"	150	Feb. 21, 1940	to	Sep. 30, 1971
02331500	Soque River near Demorest	34° 34'23"	83° 35'27"	156	Jul. 6, 1904	to	Jun. 30, 1909
					May 30, 1929	to	Dec. 25, 1931
					Mar. 27, 1940	to	Dec. 31, 1951
02331600	**Chattahoochee River near Cornelia**	**34° 32'27"**	**83° 37'14"**	**315**	**Aug. 21, 1957**	**to**	**current year**
02332000	King Branch near Alto	34° 27'05"	83° 36'45"	0.42	May 1, 1944	to	Sep. 30, 1948
02332830	West Fork Little River near Clermont	34° 24'55"	83° 49'18"	18.3	Feb. 1, 1993	to	Sep. 30, 1998
02333000	Chattahoochee River near Gainesville	34° 19'17"	83° 52'46"	559	Jun. 26, 1901	to	Sep. 27, 1902
					Dec. 28, 1902	to	Dec. 31, 1903
					Apr. 28, 1937	to	Feb. 29, 1956
02333500	**Chestatee River near Dahlonega**	**34° 31'41"**	**83° 56''23"**	**153**	**Jul. 8, 1929**	**to**	**Jan. 31, 1932**
					Apr. 1, 1940	**to**	**current year**
02334430	**Chattahoochee River at Buford Dam, near Buford**	**34° 09'25"**	**84° 04'44"**	**1,040**	**Oct. 1, 1971**	**to**	**current year**
02334480	**Richland Creek at Suwanee Dam Road, near Buford**	**34° 07'57"**	**84° 04'12"**	**9.35**	**Oct. 1, 1995**	**to**	**Jan. 6, 1997**
					May 17, 2001	**to**	**current year**
02334500	Chattahoochee River near Buford	34° 07'34"	84° 05'37"	1,060	Jan. 27, 1942	to	Sep. 30, 1971
02334578	**Level Creek at Suwanee Dam Road, near Suwanee**	**34° 05'47"**	**84° 04'47"**	**5.10**	**May 10, 2001**	**to**	**current year**
02334885	**Suwanee Creek near Suwanee**	**34° 01'56"**	**84° 05'22"**	**46.8**	**Oct. 1, 1984**	**to**	**current year**
02335000	**Chattahoochee River near Norcross**	**33° 59'50"**	**84° 12'07"**	**1,170**	**Jan. 1, 1903**	**to**	**Sep. 30, 1946**
					Oct. 1, 1956	**to**	**current year**
02335075	**Johns Creek at State Bridge Road, near Warsaw**	**34°01'38"**	**84°12'09"**	**9.40**	**Apr. 2, 2003**	**to**	**current year**
02335078	Johns Creek at Buice Road, near Warsaw	34° 00'58"	84° 12'40"	11.6	Apr. 1, 1994	to	Jan. 8, 1998
02335350	**Crooked Creek near Norcross**	**33°57'54"**	**84°15'54"**	**6.66**	**Mar. 22, 2001**	**to**	**current year**
02335450	**Chattahoochee River above Roswell**	**33° 59'09"**	**84° 18'58"**	**1,220**	**Jul. 7, 1976**	**to**	**current year**
02335500	Chattahoochee River near Roswell	34° 00'20"	84° 19'53"	1,230	Oct. 1, 1941	to	May 10, 1960
02335700	**Big Creek near Alpharetta**	**34° 03'02"**	**84° 16'10"**	**72.0**	**May 1, 1960**	**to**	**current year**
02335815	**Chattahoochee River blw Morgan Falls Dam, Sandy Springs**	**33° 58'05"**	**84° 22'58"**	**1,370**	**Oct. 9, 2001**	**to**	**current year**
02335830	Chattahoochee River at Johnson's Ferry Road, near Atlanta	33° 56'36"	84° 24'17"	1,380	Sep. 1, 1994	to	Jan. 11, 1998
02335870	**Sope Creek near Marietta**	**33° 57'14"**	**84° 26'36"**	**29.2**	**Oct. 1, 1984**	**to**	**current year**
02335912	Rottenwood Creek at I-285, at Atlanta	33° 53'30"	84° 27'33"	19.5	Oct. 1, 1995	to	Sep. 30, 1996
02336000	**Chattahoochee River at Atlanta**	**33° 51'33"**	**84° 27'16"**	**1,450**	**Aug. 1, 1928**	**to**	**Dec. 31, 1931**
					Oct. 1, 1936	**to**	**current year**
02336030	**North Fork Peachtree Creek at Graves Road, near Doraville**	**33° 54'20"**	**84° 13'30"**	**1.42**	**Jun. 8, 2001**	**to**	**current year**
02336120	**North Fork Peachtree Creek at Buford Highway, at Atlanta**	**33° 49'53"**	**84° 20'34"**	**34.8**	**May 10, 2003**	**to**	**current year**
02336240	**South Fork Peachtree Creek at Johnson Road, near Atlanta**	**33° 48'10"**	**84° 20'27"**	**28.7**	**Apr. 30, 2003**	**to**	**current year**
02336300	**Peachtree Creek at Atlanta**	**33° 49'10"**	**84° 24'28"**	**86.8**	**Jun. 20, 1958**	**to**	**current year**
02336380	Nancy Creek at Randall Mill Road, at Atlanta	33° 51'35"	84° 25'28"	34.8	Oct. 1, 1963	to	Sep. 30, 1964
02336360	**Nancy Creek at Rickenbacker Drive, at Atlanta**	**33° 52'09"**	**84° 22'44"**	**26.6**	**May 24, 2003**	**to**	**current year**
02336410	**Nancy Creek at West Wesley Road, at Atlanta**	**33° 50'18"**	**84° 26'22"**	**37.7**	**Apr. 23, 1994**	**to**	**Jan. 11, 1998**
					Oct. 1, 2003	**to**	**current year**
02336490	**Chattahoochee River at GA 280, near Atlanta**	**33° 49'01"**	**84° 28'48"**	**1,590**	**Mar. 3, 1981**	**to**	**current year**
02336500	Chattahoochee River at Oakdale	33° 48'46"	84° 29'19"	1,600	Oct. 1, 1895	to	Aug. 31, 1903
					Nov. 1, 1903	to	May 31, 1904
02336517	**Proctor Creek at Hortense Way, at Atlanta**	**33°46'32"**	**84°26'27"**	**7.20**	**Apr. 1, 2003**	**to**	**current year**
02336526	**Proctor Creek at Jackson Parkway, at Atlanta**	**33°47'39"**	**84°28'28"**	**13.4**	**Dec. 4, 2002**	**to**	**current year**
02336529	Proctor Creek at Northwest Drive, near Atlanta	33° 47'57"	84° 29'13"	15.5	Apr. 27, 1995	to	Jan. 13, 1998

LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record
02336635	**Nickajack Creek at US 78/278, near Mableton**	**33° 48'11"**	**84° 31'12"**	**31.5**	**Oct. 1, 1995 to current year**
02336644	**Sandy Creek at Bolton Road, near Atlanta**	**33°46'46"**	**84°29'58"**	**5.15**	**Apr. 1, 2003 to current year**
02336658	**North Utoy Creek at Peyton Road, near Atlanta**	**33°44'20"**	**84°28'45"**	**6.38**	**Apr. 9, 2003 to current year**
02336700	South Utoy Creek Tributary at Headland Drive, at East Point	33° 41'25"	84° 28'05"	0.79	Oct. 1, 1963 to Sep. 30, 1969
02336728	**Utoy Creek at Great Southwest Parkway, near Atlanta**	**33°44'36"**	**84°34'06"**	**33.9**	**Oct. 30, 2002 to current year**
02336968	**Noses Creek at Powder Springs Road, near Powder Springs**	**33° 51'33"**	**84° 39'10"**	**44.5**	**Jul. 16, 1998 to current year**
02337000	**Sweetwater Creek near Austell**	**33° 46'22"**	**84° 36'53"**	**246**	**May 18, 1904 to Dec. 31, 1905**
					Mar. 24, 1937 to current year
02337040	**Sweetwater Creek below Austell**	**33° 43'15"**	**84° 36'54"**	**262**	**Oct. 1, 2001 to current year**
02337100	North Fork Camp Creek at Atlanta	33° 39'40"	84° 30'40"	5.25	Oct. 1, 1963 to Sep. 30, 1969
02337160	Deep Creek at GA 70, near Tell	33° 39'52"	84° 38'26"	27.5	Oct. 1, 1995 to Jan. 12, 1998
02337170	**Chattahoochee River near Fairburn**	**33° 39'24"**	**84° 40'25"**	**2,060**	**Jul. 6, 1965 to current year**
02337320	Bear Creek at GA 70, near Rico	33° 36'17"	84° 44'54"	27.5	Apr. 28, 1995 to Jan. 12, 1998
02337500	**Snake Creek near Whitesburg**	**33° 31'46"**	**84° 55'42"**	**35.5**	**Sep. 15, 1954 to current year**
02338000	**Chattahoochee River near Whitesburg**	**33° 28'37"**	**84° 54'04"**	**2,430**	**Oct. 1, 1938 to Jun. 30, 1954**
					Jan. 1, 1965 to current year
02338185	Wahoo Creek at Wagers Mill Road, near Sargent	33° 26'12"	84° 54'02"	29.7	Dec. 1, 1995 to Jan. 8, 1997
02338280	Whooping Creek at GA 5, near Whitesburg	33° 27'40"	84° 59'49"	26.4	Sep. 1, 1994 to Jan. 8, 1997
02338314	Plant Wangsley Outfall near Glenloch	33° 24'20"	85° 01'58"	25.5	Apr. 29, 1995 to Jan. 8, 1997
02338400	Centralhatchee Creek at US 27, near Franklin	33° 18'40"	85° 06'18"	57.7	Sep. 1, 1994 to Jan. 8, 1997
02338500	Chattahoochee River at Franklin	33° 16'45"	85° 06'00"	2,680	Jun. 1, 1928 to Oct. 31, 1931
					Oct. 1, 1938 to Sep. 30, 1939
					Oct. 1, 1957 to Sep. 30, 1959
02338523	**Hillabahatchee Creek at Thaxton Road, near Franklin**	**33° 20'26"**	**85° 13'37"**	**16.8**	**Dec. 13, 2001 to current year**
02338660	**New River at GA 100, near Corinth**	**33° 14'07"**	**84° 59'16"**	**127**	**Oct. 1, 1978 to current year**
02338840	Yellowjacket Creek near Hogansville	33° 08'22"	84° 58'31"	91.0	Oct. 1, 1978 to Sep. 30, 1985
02339000	Yellowjacket Creek near LaGrange	33° 05'27"	85° 03'40"	182	Jan. 20, 1951 to Mar. 31, 1971
02339500	**Chattahoochee River at West Point**	**32° 53'10"**	**85° 10'56"**	**3,550**	**Aug. 1, 1896 to current year**
02340000	Mill Creek near Warm Springs	32° 52'03"	84° 47'04"	0.87	Dec. 17, 1933 to Apr. 30, 1935
02340500	Mountain Oak Creek near Hamilton	32° 44'28"	85° 04'08"	61.7	Dec. 22, 1943 to Sep. 30, 1971
02341500	Chattahoochee River at Columbus	32° 27'45"	84° 59'52"	4,670	Aug. 23, 1929 to Sep. 30, 2002
02341505	**Chattahoochee River at US 280, near Columbus**	**33°27'11"**	**84°59'43"**	**4,670**	**Jan. 18, 2002 to current year**
02341800	**Upatoi Creek near Columbus**	**32° 24'48"**	**84° 49'12"**	**342**	**Apr. 1, 1968 to current year**
02342000	Upatoi Creek at Fort Benning	32° 22'35"	84° 56'40"	447	Oct. 1, 1942 to Dec. 31, 1947
02342850	Hannahatchee Creek at Union	32° 09'10"	84° 54'21"	121	Jun. 1, 1964 to Sep. 30, 1965
02343200	Pataula Creek near Lumpkin	31° 56'03"	84° 48'12"	70.0	Jun. 21, 1958 to Sep. 30, 1971
02343260	Chattahoochee River at Fort Gaines	31° 36'15"	85° 03'19"	7,570	Oct. 1, 1960 to Sep. 30, 1962
02343500	Chattahoochee River at Columbia, Ala.	31° 17'11"	85° 05'45"	8,040	Jul. 27, 1928 to Sep. 30, 1960
02343801	**Chattahoochee River near Columbia, AL**	**31° 15'33"**	**85° 06'37"**	**8,210**	**Oct. 1, 1975 to current year**
02343940	**Sawhatchee Creek at Cedar Springs**	**31° 10'40"**	**85° 02'37"**	**64.2**	**Jan. 18, 2002 to current year**
02344000	Chattahoochee River at Alaga, Ala.	31° 06'54"	85° 02'43"	8,340	May 1, 1938 to Dec. 31, 1944
					Oct. 1, 1960 to Sep. 30, 1970
02344300	Camp Creek near Fayetteville	33° 31'00"	84° 25'39"	17.2	Jun. 1, 1960 to Sep. 30, 1973
02344325	**Morning Creek at Bethsaida Road, near Fairburn**	**33°33'41"**	**84°29'23"**	**11.1**	**Feb. 8, 2003 to current year**
02344350	**Flint River near Lovejoy**	**33° 24'56"**	**84° 23'05"**	**130**	**May 7, 1985 to current year**
02344500	**Flint River near Griffin**	**33° 14'39"**	**84° 25'45"**	**272**	**Mar. 1, 1937 to current year**
02344700	**Line Creek near Senoia**	**33° 19'10"**	**84° 31'25"**	**101**	**Sep. 1, 1964 to current year**
02345000	Flint River near Molena	32° 59'21"	84° 31'45"	990	Oct. 1, 1945 to Jun. 30, 1953
02345500	Flint River near Woodbury	32° 57'59"	84° 31'58"	1,090	Apr. 1, 1900 to Sep. 30, 1920
02346180	Flint River near Thomaston	32° 50'20"	84° 25'27"	1,220	May 21, 1966 to Sep. 30, 1992
02346500	Potato Creek near Thomaston	32° 54'15"	84° 21'45"	186	Oct. 1, 1937 to Jun. 30, 1971
02347500	**Flint River near Culloden**	**32° 43'17"**	**84° 13'57"**	**1, 850**	**Jul. 1, 1911 to May 31, 1923**
					Jul. 21, 1928 to Dec. 31, 1931
					Mar. 18, 1937 to current year
02348500	Whitewater Creek near Butler	32° 28'02"	84° 15'59"	80.0	Oct. 1, 1943 to Sep. 30, 1951
02349000	Whitewater Creek below Rambulette Creek, near Butler	32° 28'00"	84° 15'58"	93.4	Oct. 1, 1951 to Sep. 30, 1971
02349500	Flint River at Montezuma	32° 17'53"	84° 02'38"	2,900	Oct. 1, 1904 to Dec. 31, 1909
					Jan. 1, 1911 to Dec. 31, 1912
					Jul. 1, 1930 to Sep. 30, 2002
02349605	**Flint River at GA 25, near Montezuma**	**32°17'35"**	**84°02'37"**	**2,920**	**Oct. 1, 2002 to current year**
02349900	**Turkey Creek at Byromville**	**32° 11'44"**	**83° 54'03"**	**45.0**	**Jun. 20, 1958 to current year**
02350000	Flint River near Vienna	32° 03'38"	83° 58'36"	3,390	Oct. 1, 1926 to Sep. 30, 1930
02350080	**Lime Creek near Cobb**	**32° 02'02"**	**83° 59'47"**	**61.8**	**Apr. 30, 1983 to Jan. 11, 1984**
					Mar. 1, 1993 to Feb. 21, 1996
					May 30, 2001 to current year
02350220	Gum Creek at Coney	31° 57'40"	83° 53'05"	73.0	Apr. 30, 1983 to Jan. 11, 1984
02350300	Cedar Creek near Cordele	31° 54'45"	83° 51'18"	34.0	Apr. 30, 1983 to Jan. 11, 1984

LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record
02350500	Flint River at Oakfield	31° 46'07"	83° 59'24"	3,860	Oct. 1, 1929 to Dec. 31, 1958
02350512	**Flint River at GA 32, near Oakfield**	**31° 43'30"**	**84° 01'07"**	**3,880**	**May 1, 1987 to current year**
02350600	Kinchafoonee Creek at Preston	32° 03'09"	84° 32'54"	197	Oct. 1, 1951 to Sep. 30, 1977
02350900	**Kinchafoonee Creek near Dawson**	**31° 45'52"**	**84° 15'12"**	**527**	**Mar. 7, 1985 to current year**
02351000	Kinchafoonee Creek near Leesburg	31° 43'10"	84° 11'08"	586	Apr. 1, 1906 to Dec. 31, 1909
02351500	**Muckalee Creek near Americus**	**32°04'59"**	**84°15'29"**	**140**	**May 31, 2001 to current year**
02351890	**Muckalee Creek at GA 195, near Leesburg**	**31° 46'34"**	**84° 08'22"**	**362**	**Dec. 15, 1979 to current year**
02352500	**Flint River at Albany**	**31° 35'39"**	**84° 08'39"**	**5,310**	**Oct. 1, 1901 to Jun. 30, 1921**
					Oct. 1, 1929 to current year
02353000	**Flint River at Newton**	**31° 18'34"**	**84° 20'06"**	**5,740**	**Apr. 1, 1938 to Sep. 30, 1945**
					Oct. 1, 1946 to Sep. 30, 1947
					Jan. 1, 1949 to Sep. 30, 1950
					Oct. 1, 1956 to current year
02353265	**Ichawaynochaway Creek at GA 37, near Morgan**	**31°31'37"**	**84°34'58"**	**301**	**May 31, 2001 to current year**
02353400	**Pachitla Creek near Edison**	**31° 33'17"**	**84° 40'43"**	**188**	**Jun. 9, 1959 to Sep. 30, 1971**
					Mar. 24, 1988 to current year
02353500	**Ichawaynochaway Creek at Milford**	**31° 22'58"**	**84° 32'52"**	**620**	**Sep. 1, 1905 to Dec. 31, 1907**
					Oct. 1, 1939 to current year
02354000	Alligator Creek near Milford	31° 21'17"	84° 33'58"	14.0	Jan. 1, 1942 to May 31, 1952
02354410	**Chichasawhatchee Creek near Leary**	**31°30'13"**	**84°25'50"**	**157**	**Aug. 4, 2001 to current year**
02354500	**Chickasawhatchee Creek at Elmodel**	**31° 21'09"**	**84° 29'10"**	**320**	**Oct. 1, 1939 to Dec. 31, 1949**
					Jul. 28, 1995 to current year
02354800	**Ichawaynochaway Creek near Elmodel**	**31° 17'42"**	**84° 29'17**	**1,000**	**Apr. 15, 1995 to current year**
02355000	Ichawaynochaway Creek near Newton	31° 16'00"	84° 29'00"	1,020	Aug. 10, 1937 to Mar. 31, 1939
					Oct. 1, 1939 to Sep. 30, 1947
02355350	**Ichawaynochaway Creek below Newton**	**31° 12'48"**	**84° 28'24"**	**1,040**	**Apr. 15, 1995 to current year**
02355500	Big Cypress Creek near Milford	31° 15'15"	84° 36'18"	12.0	Jan. 1, 1942 to Dec. 31, 1949
02355662	**Flint River at Riverview Plantation, near Hopeful**	**31°08'26"**	**84°28'49"**	**7,080**	**May 8, 2002 to current year**
02356000	**Flint River at Bainbridge**	**30° 54'41"**	**84° 34'48"**	**7,570**	**Oct. 1, 1907 to Dec. 31, 1913**
					Oct. 1, 1928 to Sep. 30, 1971
					Oct. 1, 2001 to current year
02356500	Long Branch near Damascus	31° 17'55"	84° 42'11"	18.0	Feb. 1, 1945 to Dec. 31, 1949
02356980	Aycocks Creek near Boykin	31° 05'11"	84° 44'12"	105	Mar. 1, 1993 to Sep. 30, 1995
02357000	**Spring Creek near Iron City**	**31° 02'23"**	**84° 44'18"**	**485**	**Jun. 11, 1937 to Apr. 30, 1971**
					Dec. 20, 1976 to Sep. 30, 1978
					Jun. 7, 1982 to current year
02379000	Cartecay River near Cartecay	34° 38'19"	84° 24'32"	86.4	Jul. 1, 1904 to Dec. 31, 1905
					Dec. 12, 1918 to Jun. 30, 1921
02379500	Cartecay River near Ellijay	34° 40'53"	84° 27'20"	134	Mar. 17, 1937 to Sep. 30, 1977
02380000	Ellijay River at Ellijay	34° 41'06"	84° 28'40"	87.7	May 4, 1907 to Dec. 31, 1907
					Dec. 10, 1918 to Jun. 30, 1921
					Feb. 26, 1953 to Sep. 30, 1969
02380500	**Coosawattee River near Ellijay**	**34° 40'18"**	**84° 30'31"**	**236**	**Oct. 1, 1938 to Dec. 31, 1949**
					Jun. 1, 1963 to current year
02381000	Mountaintown Creek near Ellijay	34° 45'00"	84° 33'25"	31.5	Oct. 1, 1939 to Dec. 31, 1942
02381500	Coosawattee River near Carters	34° 36'45"	84° 40'15"	374	Sep. 12, 1925 to Dec. 10, 1931
					Oct. 1, 1961 to Sep. 30, 1964
02381600	**Fausett Creek near Talking Rock**	**34° 34'17"**	**84° 27'55"**	**9.99**	**Oct. 1, 1974 to current year**
02381950	Scarecorn Creek above Hinton	34° 27'11"	84° 33'28"	6.4	Jul. 22, 1986 to Jan. 16, 1991
02382000	Scarecorn Creek at Hinton	34° 28'04"	84° 35'30"	21.3	Apr. 1, 1939 to Dec. 31, 1942
					May 1, 1959 to Sep. 30, 1974
					Aug. 1, 1986 to Apr. 2, 1991
02382200	**Talking Rock Creek near Hinton**	**34° 31'22"**	**84° 36'40"**	**119**	**Nov. 1, 1973 to current year**
02382300	Talking Rock Creek near Carters	34° 35'20"	84° 40'05"	142	Oct. 1, 1963 to Sep. 30, 1971
02382500	**Coosawattee River at Carters**	**34° 36'13"**	**84° 41'44"**	**521**	**Sep. 1, 1896 to Dec. 1, 1908**
					Dec. 21, 1918 to Sep. 30, 1923
					Oct. 1, 1961 to Sep. 7, 1972
					Oct. 1, 1974 to current year
02383000	Rock Creek near Fairmount	34° 21'32"	84° 46'46"	6.17	Oct. 1, 1951 to Sep. 30, 1974
02383500	**Coosawattee River near Pine Chapel**	**34° 33'51"**	**84° 49'59"**	**831**	**Nov. 11, 1938 to current year**
02384000	Conasauga River near Tennga	35°00'34"	84° 44'02"	108	May 27, 1929 to Dec. 31, 1931
					Oct. 1, 1943 to Dec. 31, 1947
02384500	**Conasauga River near Eton**	**34° 49'40"**	**84° 51'03"**	**252**	**Oct. 1, 1981 to current year**
02384540	**Mill Creek near Crandall**	**34° 52'19"**	**84° 43'17"**	**8.27**	**Jan. 30, 1985 to current year**
02385000	Coahulla Creek near Varnell	34° 53'43"	84° 55'15"	86.7	Oct. 1, 1939 to Dec. 31, 1942
02385500	Mill Creek at Dalton	34° 47'18"	84° 58'30"	40.1	Aug. 1, 1943 to Sep. 30, 1959

LIST OF ACTIVE AND DISCONTINUED STREAMFLOW STATIONS-continued.

Station Number	Station name	Latitude	Longitude	Drainage Area (mi^2)	Period(s) of record
02385800	**Holly Creek near Chatsworth**	**34° 43'00"**	**84° 46'12"**	**64.0**	**Jun. 1, 1960 to current year**
02386000	Rock Creek at Ramhurst	34° 42'42"	84° 44'03"	16.5	Apr. 1, 1939 to Jun. 30, 1940
02386500	Drowning Bear Creek near Dalton	34° 43'30"	84° 56'12"	13.9	Apr. 1, 1939 to Jun. 30, 1940
02387000	**Conasauga River at Tilton**	**34° 40'00"**	**84° 55'42"**	**687**	**Jun. 5, 1937 to current year**
02387500	**Oostanaula River at Resaca**	**34° 34'42"**	**84° 56'29"**	**1,600**	**Nov. 1, 1892 to current year**
02388000	West Armuchee Creek near Subligna	34° 34'04"	85° 09'16"	36.4	Apr. 1, 1939 to Jun. 30, 1940
					May 1, 1960 to Apr. 27, 1982
02388300	Heath Creek near Rome	34° 21'57"	85° 16'17"	14.7	May 9, 1968 to Sep. 30, 1989
02388320	**Heath Creek near Armuchee**	**34° 22'18"**	**85° 15'50"**	**16.6**	**Mar. 2, 1982 to current year**
02388500	**Oostanaula River near Rome**	**34° 18'02"**	**85° 08'30"**	**2,120**	**Oct. 1, 1939 to current year**
02389000	Etowah River near Dawsonville	34° 22'57"	84° 03'21"	107	Mar. 20, 1940 to Sep. 30, 1976
02389150	**Etowah River at GA 9, near Dawsonville**	**34°21'26"**	**84°06'49"**	**131**	**Jun. 12, 2002 to current year**
02389300	Shoal Creek near Dawsonville	34° 25'13"	84° 08'47"	21.7	Jun. 1, 1958 to Sep. 30, 1974
02389500	East Amicalola Creek at Juno	34° 28'28"	84° 11'55"	28.5	Apr. 1, 1939 to Sep. 30, 1942
02390000	Amicalola Creek near Dawsonville	34° 25'32"	84° 12'43"	89.0	Apr. 1, 1939 to May 31, 1952
02390500	Long Swamp Creek near Ballground	34° 19'36"	84° 20'41"	76.6	Oct. 1, 1918 to Sep. 30, 1921
02391000	Etowah River near Ballground	34° 19'05"	84° 20'35"	477	Apr. 1, 1907 to Dec. 31, 1915
					Oct. 1, 1918 to Sep. 30, 1921
02391500	Sharp Mountain Creek near Ballground	34° 20'15"	84° 24'26"	63.8	Apr. 1, 1939 to Jun. 30, 1940
02392000	**Etowah River at Canton**	**34° 14'23"**	**84° 29'47"**	**613**	**Oct. 1, 1896 to Sep. 30, 1905**
					Oct. 1, 1936 to current year
02392500	Little River near Roswell	34° 07'09"	84° 23'18"	60.0	Jan. 1, 1947 to Sep. 30, 1976
02392950	**Noonday Creek at Hawkins Store Road, near Woodstock**	**34°03'23"**	**84°32'08"**	**24.3**	**Jul. 14, 1998 to current year**
02392975	**Noonday Creek at Shallowford Road, near Woodstock**	**34°04'06"**	**84°32'08"**	**33.6**	**Jul. 14, 1998 to current year**
02394000	**Etowah River at Allatoona Dam, above Cartersville**	**34° 09'47"**	**84° 44'28"**	**1,120**	**Sep. 1, 1938 to current year**
02394950	Hills Creek near Taylorsville	34° 04'27"	84° 57'02"	25.0	May 21, 1959 to Sep. 30, 1974
02395000	Etowah River near Kingston	34° 12'24"	84° 58'44"	1,630	Jul. 8, 1928 to Dec. 31, 1931
					Oct. 1, 1936 to Oct. 23, 1995
02395120	**Two Run Creek near Kingston**	**34° 14'34"**	**84° 53'23"**	**33.1**	**May 2, 1980 to current year**
02395500	Dykes Creek near Rome	34° 15'30"	85° 05'01"	14.9	Jan. 1, 1939 to Dec. 31, 1942
02395980	**Etowah River at GA 1 Loop, near Rome**	**34° 13'56'**	**85° 07'01"**	**1,801**	**Oct. 1, 1994 to current year**
02396000	Etowah River at Rome	34° 15'26"	85° 09'30"	1,820	Aug. 1, 1904 to Jun. 30, 1921
					Oct. 1, 1938 to Sep. 30, 1994
02397000	**Coosa River near Rome**	**34° 12'01"**	**85° 15'24"**	**4,040**	**Oct. 1, 1896 to Dec. 31, 1903**
					Jun. 21, 1928 to Dec. 31, 1931
					Mar. 10, 1937 to Dec31, 1958
					Oct. 1, 1962 to current year
02397410	Cedar Creek at Cedartown	33° 59'45"	85° 15'53"	66.9	May 4, 1981 to Oct. 2, 1997
02397500	Cedar Creek near Cedartown	34° 03'38"	85° 18'41"	115	Oct. 1, 1942 to Sep. 30, 1973
02397830	Harrisburg Creek near Hawkins	34° 36'02"	85° 23'21"	13.3	Oct. 1, 1979 to Sep. 30, 1982
02398000	**Chattooga River at Summerville**	**34° 28'03"**	**85° 20'19"**	**192**	**Mar. 11, 1937 to current year**
02411800	Little River near Buchanan	33° 47'50"	85° 07'05"	20.2	Jun. 1, 1959 to Sep. 30, 1985
02413000	Little Tallapoosa River at Carrollton	33° 35'50"	85° 04'49"	95.1	Apr. 1, 1937 to Dec. 31, 1955
03544947	**Brier Creek near Hiawassee**	**34° 50'05"**	**83° 42'34"**	**1.67**	**May 25, 1984 to current year**
03545000	Hiawassee River at Presley	34° 54'17"	83° 43'01"	45.5	Dec. 1, 1941 to Mar. 31, 1982
03545500	Hightower Creek near Presley	34° 54'59"	83° 41'55"	32.4	Dec. 1, 1941 to Sep. 30, 1945
03550500	Nottely River near Blairsville	34° 50'28"	83° 56'10"	74.8	Jan. 23, 1942 to Mar. 31, 1982
03551000	Coosa Creek near Blairsville	34° 51'05"	83° 59'35"	21.1	Dec. 12, 1941 to Sep. 30, 1945
03551500	Youngcane Creek near Youngcane	34° 52'41"	84° 03'57"	27.6	Jan. 21, 1942 to Sep. 30, 1945
03552000	Ivylog Creek near Ivylog	34° 56'26"	84° 01'27"	16.7	Feb. 14, 1942 to Sep. 30, 1945
03552500	Nottely River near Ivylog	34° 55'32"	84° 03'39"	191	Oct. 1, 1936 to Jan. 31, 1942
03553500	Nottely River at Nottely Dam near Ivylog	34° 57'55"	84° 05'25"	215	Jul. 1, 1942 to Sep. 30, 1975
03558000	Toccoa River near Dial	34° 47'24"	84° 14'24"	177	Jan. 1, 1913 to Oct. 1, 1996
03559000	Toccoa River near Blue Ridge	34° 53'14"	84° 17'07"	233	Oct. 1, 1898 to Mar. 31, 1903
					Apr. 1, 1913 to Aug. 31, 1974
03560000	Fightingtown Creek at McCaysville	34° 58'53"	84° 23'12"	70.9	Nov. 1, 1942 to Sep. 30, 1971
03567129	Mill Creek near Cedar Grove	34° 42'57"	85° 25'59"	5.62	Jul. 24, 1986 to Mar. 31, 1988
03568500	Chattanooga Creek near Flintstone	34° 58'20"	85° 19'40"	50.6	Jan. 1, 1951 to Sep. 30, 1974
03568782	Hurricane Creek near Rising Fawn	34° 45'48"	85° 30'12"	4.28	Jul. 25, 1986 to May 31, 1987
03568933	**Lookout Creek near New England**	**34° 53'51"**	**85° 27'47"**	**149**	**Aug. 30, 1979 to current year**
03569000	Lookout Creek near Wildwood	34° 57'22"	85° 24'12"	165	Aug. 7, 1945 to Feb. 28, 1946
					Apr. 1, 1946 to Aug. 15, 1946

Conversion Factors

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter (mm)
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter (m)
mile (mi)	1.609×10^{0}	kilometer (km)
	Area	
acre	4.047×10^{3}	square meter (m^2)
	4.047×10^{-1}	square hectometer (hm^2)
	4.047×10^{-3}	square kilometer (km^2)
square mile (mi^2)	2.590×10^{0}	square kilometer (km^2)
	Volume	
gallon (gal)	3.785×10^{0}	liter (L)
	3.785×10^{-3}	cubic meter (m^3)
	3.785×10^{0}	cubic decimeter (dm^3)
million gallons (Mgal)	3.785×10^{3}	cubic meter (m^3)
	3.785×10^{-3}	cubic hectometer (hm^3)
cubic foot (ft^3)	2.832×10^{-2}	cubic meter (m^3)
	2.832×10^{1}	cubic decimeter (dm^3)
cubic-foot-per-second-per-day [(ft^3/s/d]	2.447×10^{3}	cubic meter (m^3)
	2.447×10^{-3}	cubic hectometer (hm^3)
acre-foot (acre-ft)	1.223×10^{3}	cubic meter (m^3)
	1.223×10^{-3}	cubic hectometer (hm^3)
	1.223×10^{-6}	cubic kilometer (km^3)
	Flow rate	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter (L/s)
	2.832×10^{-2}	cubic meter per second (m^3/s)
	2.832×10^{1}	cubic decimeter per second (dm^3/s)
gallon per minute (gal/min)	6.309×10^{-2}	liter per second (L/s)
	6.309×10^{-5}	cubic meter per second (m^3/s)
	6.309×10^{-2}	cubic decimeter per second (dm^3/s)
million gallons per day (Mgal/d)	4.381×10^{-2}	cubic meter per second
	4.381×10^{1}	cubic decimeter per second (dm^3/s)
	Mass	
ton, short (2,000 lb)	9.072×10^{-1}	megagram (Mg) or metric ton

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$°F = (1.8 \times °C) + 32$$

CALENDAR FOR WATER YEAR 2003

2002

OCTOBER

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

NOVEMBER

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

DECEMBER

S	M	T	W	T	F	S
1	2	3	4	5	7	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

2003

JANUARY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

FEBRUARY

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

MARCH

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

APRIL

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

MAY

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

JUNE

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

JULY

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

AUGUST

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

SEPTEMBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				