

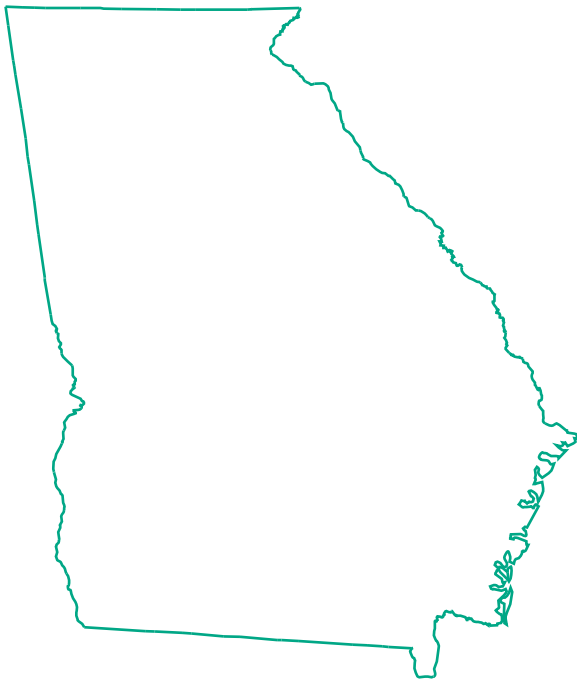
# Water Resources Data Georgia, 2000

Volume 2: Continuous ground-water level data, and  
periodic surface-water- and ground-water-quality data,  
Calendar Year 2000

Water-Data Report GA-00-2

**Compilers:** S. Jack Alhadef and Brian E. McCallum

**Authors:** Brian E. McCallum, Alan M. Cressler, Deborah K. Blackburn, and Kristen B. McSwain



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U.S. GEOLOGICAL SURVEY

Water-Data Report GA-00-2

Prepared in cooperation with the  
State of Georgia and other agencies



Atlanta, Georgia  
2001

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

**U.S. GEOLOGICAL SURVEY**  
**Charles G. Groat, Director**

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Atlanta, GA 30360-2824  
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## ACKNOWLEDGEMENTS

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's surface- and ground-water data-collection network 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 one volume.

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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| George A. Bailey          | Ernest J. Inman ( <i>retired</i> ) |
| Nancy L. Barber           | Lacey F. Jackson                   |
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|                           | Caryl J. Wipperfurth               |

This report was prepared in cooperation with the State of Georgia and with other agencies under the general supervision of Edward H. Martin, District Chief, Georgia.

## **DEDICATION**

His friends and colleagues dedicate this edition of the annual hydrologic data report of Georgia to the memory of Stephen H. Jones. We all know he is right now wading the perfect cross-section...



**Steve Jones (1960-2001)**

## COOPERATION

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

Georgia Department of Natural Resources (DNR), *Lonice C. Barrett, Commissioner*  
Georgia Department of Transportation (DOT), *J. Tom Coleman Jr., Commissioner*  
Georgia Department of Agriculture (DOA), *Tommy Irvin, Commissioner*

Bibb County  
Glynn County  
Gwinnett County  
City of Albany  
City of Attapulgus  
City of Blairsville  
City of Brunswick  
City of Covington  
City of East Point  
City of Griffin  
City of Helena  
City of Macon  
City of Springfield  
City of Summerville  
City of Thomaston  
City of Valdosta  
City of Winder  
Albany Water, Gas, and Light Commission  
Albany-Dougherty Planning Commission  
Athens-Clarke County Public Utilities Department  
Atlanta Regional Commission  
Cherokee County Water and Sewerage Authority  
Clayton County Water Authority  
Cobb County Water System  
Dalton Utilites  
Fayette County Water System  
Henry County Water and Sewerage Authority  
Macon-Bibb County Water and Sewerage Authority  
Monroe Water, Light and Gas Commission  
Polk County Water, Sewage, and Solid Waste Authority  
University of Georgia Marine Institute  
St. Johns Water Management District, Palatka, Florida  
Suwannee River Water Management District, Live Oak, Florida

## **COOPERATION—continued.**

Assistance in the form of funds and/or services was given by the following Federal agencies:

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

The following organizations aided in collecting records:

Georgia Power Company  
Oglethorpe Power Company  
Crisp County Power Commission  
Alabama Power Company

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## INTRODUCTION

Water resources data for the 2000 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 one volume in a digital format on a CD-ROM. This volume contains discharge records of 125 gaging stations; stage for 20 gaging stations; information for 18 lakes and reservoirs; continuous water-quality records for 10 stations; the annual peak stage and annual peak discharge for 77 crest-stage partial-record stations; and miscellaneous streamflow measurements at 21 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 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 Bench-Mark Network* is a network of 53 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

*National Stream Quality Accounting Network (NASQAN)* is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in national or regional water-quality planning and management. The 142 sites in the NASQAN are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council. The objective of NASQAN is to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis and reporting such that the data may be used (1) for the description of the areal variability of water quality in the Nation's rivers through the analysis of data from this and other programs, (2) for the detection of changes or trends with time in the pattern of occurrence of water-quality characteristics, and (3) to provide a nationally consistent data base useful for water-quality assessment and hydrologic research.

*NASQAN* was redesigned in 1995 and will be known as *NASQAN II* beginning in 1996. *NASQAN II* will focus on four of the largest river basins in the Nation-- the Mississippi, the Columbia, the Colorado, and the Rio Grande. The objective of *NASQAN II* 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.

*National Trends Network (NTN)* is a 150-station network for sampling atmospheric deposition in the United States. The purpose of the network is to determine the variability, both in location and in time, of the composition of wet atmospheric deposition which includes snow, rain, sleet and hail. The core from which the NTN was built was the already-existing deposition-monitoring network of the National Atmospheric Deposition Program (NADP).

*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, diverse, and geographically distributed part of the Nation's ground- and surface-water resources, and to identify, describe, and explain the major natural and human factors that affect these observed conditions and trends.

Assessment activities have begun in about two-thirds of the study units and ultimately will be conducted in 60 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.

*Radiochemical program* is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

*Tritium network* is a network of stations that has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

### **Explanation of Records**

The surface-water records published in this report are for the 2000 water year that began on October 1, 1999, and ended September 30, 2000. 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 indentation 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.)

**INSTANTANEOUS PEAK FLOW.**--The maximum instantaneous discharge occurring for the water year or for the designated period. Note that the secondary instantaneous peak discharges above a selected base discharge are stored in District computer files for stations meeting certain criteria. Those discharge values may be obtained by writing to the District Office. (See address on back of title page of this report.)

**INSTANTANEOUS PEAK STAGE.**--The maximum instantaneous stage occurring for the water year or for the designated period. If the dates of occurrence for the instantaneous peak flow and instantaneous peak stage differ, 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 ft<sup>3</sup>/s; to the nearest tenth between 1.0 and 10 ft<sup>3</sup>/s; to the nearest whole numbers between 10 and 1,000 ft<sup>3</sup>/s; and to 3 significant figures for values more than 1,000 ft<sup>3</sup>/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 partial-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 continuing or partial-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 remark codes that may appear with the water-quality data in this report are as follows:

#### PRINTED OUTPUT REMARK

- E Estimated value.
- > Actual value is known to be greater than the value shown.
- < Actual value is known to be less than the value shown.
- & Biological organism estimated as dominant.
- D Biological organism count equal to or greater than 15 percent (dominant).
- K Results based on colony count outside the acceptance range (non-ideal colony count).
- L Biological organism count less than 0.5 percent (Organism may be observed rather than counted).
- V Analyte was detected in both the environmental sample and the associated blanks.

### **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.

Although, in this report, records of water levels are presented for fewer than 10 wells, records are obtained through cooperative efforts of many Federal, State, and local agencies for about 1,400 wells throughout Georgia and are placed in computer storage. Each spring, 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, 200\_". This report contains hydrographs of recorder wells, detailed maps showing water levels from the previous year, and other useful items. Information 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 alphabetically by county. The primary identification number for a given well is the 15-digit number that appears in the first line of the manuscript. The secondary identification number is the Local well number, derived according to a well-numbering system developed by the Georgia District Office, WRD, and based on the USGS index of 7 1/2-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 7 1/2-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). Land-surface datum 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 three parts, the station description, graphs of the water levels for the period of record and current water year, and a summary of water levels for the current water year consisting of the "MEAN", the average water level in feet for each month; the "LOW" and "HIGH", the lowest and highest daily mean water levels, respectively, for each month; and the annual water year mean water level based on available data and the highest and lowest water levels of the water year and their dates of occurrence are shown on the line below the monthly summary. If missing record occurs during the water year, it is implied that the highest and lowest water levels are the highest and lowest recorded water levels of the water year.

LOCATION.--This paragraph follows the well-identification number and reports the latitude and longitude (given in degrees, minutes, and seconds); the hydrologic-unit number; the distance and direction from a geographic point of reference; and the owner's name.

SITE NAME.--Furnishes the well owner's name and well designation, if any.

INSTRUMENTATION.--Identifies the type of instrumentation currently in use.

AQUIFER.--Designates by name (if a name exists) the aquifer(s) open to the well.

**WELL CHARACTERISTICS.**--This entry describes the well in terms of depth, diameter, casing depth and(or) screened interval method of construction, use, and additional information such as casing breaks, collapsed screen, and other changes since construction.

**DATUM.**--This entry describes both the measuring point and the land-surface elevation at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base and so on), and in relation to land surface (such as 1.3 ft above land-surface datum). 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.

**REMARKS.**--This entry describes factors that may influence the water level in a well or the measurement of the water level. It should identify wells that also are water-quality observation wells, and may be used to acknowledge the assistance of local (non-Survey) observers. Periods of missing record are described in this section.

**PERIOD OF RECORD.**--This entry indicates the period for which there are published records for the well. It reports the month and year of the start of publication of water-level records by the U.S. Geological Survey and the words "to current year" if the records are to be continued into the following year. Periods for which water-level records are available, but are not published by the Geological Survey, may be noted.

**EXTREMES FOR PERIOD OF RECORD.**--This entry contains the highest and lowest daily mean water levels of the period of published record, with respect to land-surface datum, and the dates of their occurrence.

Hydrographs for selected periods of record follow the station description. The first hydrograph is a period-of-record hydrograph of monthly mean water levels in feet above or below land-surface datum. The second is a hydrograph of daily mean water levels in feet above or below land-surface datum for the current water year. Blank areas on the hydrograph indicate missing records. Summary statistics of monthly and annual water levels for the current water year follow each hydrograph for the current water year.

### **Records of Precipitation Quality**

Precipitation-quality data represent analyses of time-composite samples, most often for a collection period of one week. This is in contrast to most of the published surface-water-quality data which represent samples taken at specific times. The U.S. Geological Survey collects precipitation-quality data in Georgia collaborating with the National Atmospheric Deposition Program/National Trends Network (NADP/NTN), a cooperative research program of Federal, State and private organizations.

### On-Site Measurements and Sample Collection

Precipitation samples are collected with wet/dry collectors or bulk samplers. The wet/dry collector is the preferred precipitation sampler and consists of a bucket that is open only during periods of wet (rainfall, snow, etc.) precipitation. During dry periods the sample bucket is covered, thus excluding dry-fall precipitation from the sample. Bulk samplers are less desirable because they collect both wet- and dry-fall precipitation. However, they are useful as backups during times when the wet/dry samplers fail to properly function. Bulk samplers consist of a catchment area, such as a funnel, where the sample is collected and then fed through a delivery tube to the sample receptacle. The tubing is looped in order to minimize sample evaporation. If necessary, wet/dry samplers can also be used as makeshift bulk samplers by leaving them in the open position for the collection period.

Accurate measurements of precipitation quantity also are made at each station. One of two types of recording gages is normally used. National Trends Network (NTN) stations are equipped with weighing-bucket rain gages, which graphically record rainfall as well as count rainfall events. The other commonly used recording gage consists of a rainfall catchment pipe and a float-driven digital recorder that periodically records the water level in the pipe.

Time-composite wet- and bulk-precipitation samples are collected and brought back to the laboratory and weighed. Rainfall quantity is estimated from the sample weight. A temperature-density correction can be applied if desired but normally this correction results in a very small change in the estimated quantity of rainfall. An estimation of the sampler efficiency is made by computing the ratio of rainfall amount collected in the sample bucket to that measured by the recording rain gage. This collector efficiency ratio is an important indicator of possible collector malfunction. For example, a ratio substantially less than one indicates that the wet/dry collector was not opening properly and thus, excluding rainfall.

After weighing the sample, a small portion is removed for measurement of pH, specific conductance, and, in some instances, titratable acidity. The pH and specific conductance are both determined electrometrically according to methods described in the National Atmospheric Deposition Program "NADP Instruction Manual: Site Operation". The remainder of the sample is then used for laboratory chemical analyses. This portion of the sample is shipped to the laboratory raw and untreated. In the case of NTN operation, the original bucket is resealed and mailed to the Illinois State Water Survey Central Analytical Laboratory (CAL) for analysis. In all other instances, sample portions are preserved, treated, and analyzed according to specific project requirements.

### Data presentation

Records of precipitation quality are published following the "Records of ground-water" section of this report. As with records of daily water discharge and surface-water quality, precipitation-quality records consist of two parts, a station header and a data table. The station header contains the descriptive information pertinent to the establishment, location, and operation of the site. Records are presented alphabetically by county and, within each county, by latitude, longitude, and sequence number. As with ground-water wells, the primary site identifier used for precipitation-quality stations in this report is the 15-digit composite of these three numbers. The following text presents a clarification of the subheadings that follow the station identification number and station name.

**LOCATION.**--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 precipitation-quality records for the station. Periods of record are presented separately for each type of sample collected at the site (in this report, either wet precipitation, bulk precipitation, or both).

**INSTRUMENTATION.**--In this section, an abbreviated-style listing of the data recording and sample-collection equipment permanently housed at the site is presented.

**REMARKS.**--This section is reserved for comments pertaining to unusual or extraordinary circumstances or to qualifying information that must be used to accurately interpret the data presented for the site. More general comments, which may pertain to several or all of the sites, are presented in the "EXPLANATION OF RECORDS" section in the introductory part of the report.

Records of precipitation quality for site GA99 can be accessed through the World Wide Web (WWW) at:

<http://nadp.sws.uiuc.edu/nadpdata>

## **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 or 3-1/2 inch floppy disk. 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 hydrologic conditions for the 2000 water year for Georgia were based upon the precipitation average totals from across 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 1999 to September 2000, v. 103, no. 10 to v. 104, no 9*. The nine divisions in these publications were averaged to three main regions-north, central, and south. The four USGS 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.

For the 2000 water year, the average precipitation total statewide was 41.48 inches, which represents a deficit of 9.70 inches. The central region recorded the highest average precipitation deficit of 10.57 inches, with the western area of the region recording a deficit of 11.23 inches. The State as a whole was considered in moderate to extreme drought conditions throughout the 2000 water year. All four of the index gages recorded deficient mean streamflow conditions for at least nine months of the water year, verifying the drought conditions in Georgia.

During October, all regions of the State recorded precipitation totals about normal. The departures from normal ranged from -0.29 inches in the south region to +1.40 inches in the north region. The Flint River at Culloden and the Alapaha River at Statenville gages recorded below normal monthly mean discharges, which correlates with the lack of rainfall in the south region.

For November and December, all regions recorded below normal precipitation totals. There was an average rainfall deficit of 2.99 inches during this period. All streamflow gages were in the deficient range. The Alapaha River at Statenville gage recorded only 20 percent of normal streamflow for the month of December.

During January, the central region of the state recorded an average precipitation total slightly above normal. The departures from normal statewide ranged from -0.95 inches in the south region to +0.73 inches in the central region. This was not enough rainfall to reverse the deficient streamflow conditions at all four index gages. The Altamaha River at Doctortown gage was at approximately one-third the normal monthly mean streamflow.

From February through March, below-normal average precipitation totals were recorded in all regions of Georgia. A deficit of almost 3.00 inches occurred in the north region of the state during the month of February, followed by a deficit of 1.67 inches in March. All index gages recorded below normal streamflow for these months. The Alapaha River at Statenville gage recorded only 16 percent of normal streamflow for the month of December.



During April, the north region recorded precipitation totals slightly above normal, while the central region of the State was 2.16 inches below normal. This is reflected in the index station at Etowah at Canton, which recorded a normal mean streamflow for the month. The Flint River at Culloden index gage continued to record less than half its normal monthly mean streamflow.

From May through August, the dry conditions resumed with all regions of the State recording below normal to normal precipitation totals. All streamflow gages recorded deficient monthly mean streamflows for July and August. The Alapaha at Statenville index streamflow gage was the only gage that recorded a normal monthly mean streamflow for May. All other gages were below normal for the entire period. During the month of July, the Flint River at Culloden gage recorded only eight percent of its normal monthly mean streamflow. Many other streamgages recorded new instantaneous minimums for their period of records, including station 02357000 Spring Creek near Iron City, GA, which recorded a period of zero flow from August 25, 2000 to September 10, 2000. This has never happened in the history of this gage.

During September, above average precipitation totals occurred in all regions of Georgia caused by tropical activity. The departures from normal ranged from +1.78 inches in the north region to +4.72 inches in the south region of the state. The Flint River at Culloden gage recorded normal monthly mean streamflow conditions and the Alapaha River at Statenville gage was nearly 600 percent above normal. The Altamaha and Etowah gages remained below normal for the month.

### **Water-Quality**

In cooperation with the Environmental Protection Division (EPD) of the Georgia Department of Natural Resources, continuing chemical-quality network data collection continued through the water year according to the river-basin management planning approach to water protection as adopted by the EPD. The basin management plan is in its sixth year of implementation and for most water-quality network stations, data are collected monthly on a calendar-year basis. Data were collected in the Chattahoochee and Flint River Basins during the 2000 calendar year. Twelve samples were collected at each of 44 "core" stations, which are long-term stations scattered over the State and sampled monthly, some of which are located in the two basin groups noted above. This report contains all data collected during the 2000 calendar year for the continuing chemical-quality network, and other data collected in cooperation with the EPD and in support of river-basin water-resources planning and management. These data also are supplemented by data from other Water Resources Division water-quality programs such as National Water-Quality Assessment (NAWQA). Large parts of the Georgia-Florida Coastal Plain and Apalachicola-Chattahoochee-Flint basin NAWQA study units are located in Georgia.

## DEFINITION OF TERMS

Acre-foot (AC-FT, acre-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.

Adenosine triphosphate (ATP) is an organic, high-energy phosphate-bond containing compound used by living cells as an energy source for biochemical reactions. Its central role in living cells makes it an excellent indicator of the presence of living material in water. A measure of ATP therefore provides a sensitive and rapid estimate of biomass. ATP is reported in micrograms per liter of the original water sample.

Algae are mostly aquatic unicellular, colonial, or multicellular plants which contain chlorophyll and other pigments.

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.

Alkalinity is a measure of the proton-accepting capacity of a solution. This property is also referred to as its "acid-neutralizing capacity", and is equal to the sum concentration of all proton acceptors in the solution or the total strong base concentration. Total alkalinity is operationally defined as the alkalinity neutralized by titration with a strong acid to the carbonic acid equivalence point.

Aquifer is a geologic formation; group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rod like, or spiral and threadlike in shape, and often clumped into colonies. Some bacteria cause disease, while 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.

Total coliform bacteria are a group of bacteria used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria, which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms which produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35°C +/- 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

## DEFINITION OF TERMS (cont.)

Fecal coliform bacteria are bacteria that are present in the intestines or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms which produce blue colonies within 24 hours when incubated at 44.5°C +/- 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.

Fecal streptococcal bacteria are bacteria also found in intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria, which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms, which produce red or pink colonies within 48 hours at 35°C +/- 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.

Bed material is the sediment mixture of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

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 the mass per unit area or volume of habitat.

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. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m<sup>3</sup>), and periphyton and benthic organisms in grams per square meter (g/m<sup>2</sup>).

Dry mass refers to the mass of residue present after drying in an oven at 105°C for zooplankton and periphyton, 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.

Organic mass or volatile mass of the living substance is the difference between dry mass and ash mass, and represents the actual mass of the living matter. The organic mass is expressed in the same units as ash mass and dry mass.

Wet mass is the mass of living matter plus contained water.

## DEFINITION OF TERMS (cont.)

Bottom material: See Bed material.

Cells/volume refers to the number of cells of any organism, which is counted by using a microscope and grid, or counting cell. Many plankton organisms are multi-celled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

Cfs-day is the volume of water represented by flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 2,447 cubic meters, approximately 1.9835 acre-feet, or about 646,000 gallons.

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 natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments in most plant tissue. Chlorophyll a and b are the two most common pigments in plants.

Collector efficiency is a measure of the quantity of wet precipitation (usually rain) collected by a precipitation collector relative to that which actually fell from the atmosphere. Operationally, this measure is taken as the ratio of rain volume in the precipitation collector to rain volume measured by a recording rain gage.

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

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.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure 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 (ft<sup>3</sup>/s, or CFS) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Cubic feet per second per square mile [(ft<sup>3</sup>/s)/mi<sup>2</sup> or CFSM] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

## DEFINITION OF TERMS (cont.)

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment) that passes a given point within a given period of time.

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

Instantaneous discharge is the discharge at a particular instant of time.

Annual 7-day minimum is 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.)

Dissolved is that material in a water sample which passes through a 0.45 mm membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on sub samples of the filtrate.

Dissolved-solids concentration of water 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 of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the mathematical calculation of dissolved-solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.492 to reflect the change.

Drainage area of a stream at a specific location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the river from upstream specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

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

## DEFINITION OF TERMS (cont.)

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent concentration of calcium carbonate (CaCO<sub>3</sub>).

Hydrologic Bench-Mark Network is a network of 53 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

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

Land-surface datum (lsd) is a reference plane that is approximately at land surface at a well from which depth or height to water surface is measured.

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

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.

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 (mg/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per liter (mG/L, mg/L) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of solution. One thousand micrograms per liter is equivalent to one milligram per liter.

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

## DEFINITION OF TERMS (cont.)

National Geodetic Vertical Datum of 1929 (NGVD of 1929 or NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

National Stream-Quality Accounting Network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in national or regional water-quality planning and management. The 500 or so sites in NASQAN are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council. The objectives of NASQAN are (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis and reporting such that the data may be used for, (2) description of the areal variability of water quality in the Nation's rivers through analysis of data from this and other programs (3) detection of changes or trends with time in the pattern of occurrence of water-quality characteristics, and (4) providing a nationally consistent data base useful for water-quality assessment and hydrologic research.

National Trends Network (NTN) is a 150-station network for sampling atmospheric deposition in the United States. The purpose of the network is to determine the spatial and temporal variability of the composition of atmospheric deposition which includes snow, rain, dust particles, aerosols, and gases. The core from which the NTN was built was the already-existing deposition-monitoring network of the National Atmospheric Deposition Program (NADP).

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, diverse, and geographically distributed part of the Nation's ground- and surface-water resources, and to identify, describe, and explain the major natural and human factors that affect these observed conditions and trends.

Organism is any living entity.

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

## DEFINITION OF TERMS (cont.)

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.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Parameter Code is a 5-digit number used in the U.S. Geological Survey computerized data system, WATSTORE, to uniquely identify a specific variable. The codes used in WATSTORE are mostly the same as those used in the U.S. Environment Protection Agency data system, STORET. The Environmental Protection Agency assigns and approves all requests for new codes.

Partial-record station is a particular site where limited streamflow and(or) water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle-size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) 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 used in this report agrees with recommendations 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           | .004 - .062     | Sedimentation          |
| Sand           | .062 - 2.0      | Sedimentation or sieve |
| Gravel         | 2.0 - 64.0      | Sieve                  |

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material 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.

Percent composition 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, mass, or volume.

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



## DEFINITION OF TERMS (cont.)

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

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

Plankton is the community of suspended, floating, or weakly swimming organism that lives in the open water of lakes and rivers.

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 are commonly known as algae.

Blue-green algae 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

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.

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

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often 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. Small crustaceans and rotifers dominate the zooplankton community.

## DEFINITION OF TERMS (cont.)

Primary productivity is a measure of the rate at which new organic matter is formed and accumulated through photosynthetic 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 by the plants (carbon method).

Milligrams of carbon per area or volume per unit time [mg C/(m<sup>2</sup>.time)] for periphyton and macrophytes and mg C/(m<sup>3</sup>.time)] for phytoplankton are units for expressing primary productivity. They define 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 in unenriched waters. Unit time may be either hour or day, depending on the incubation period.

Milligrams of oxygen per area or volume per unit time [mg O<sub>2</sub>/(m<sup>2</sup>.time)] for periphyton and macrophytes and mg O<sub>2</sub>/(m<sup>3</sup>.time)] for phytoplankton are the units for expressing primary productivity. They define 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 hour or day, depending on the incubation period.

Radiochemical program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Recoverable from bottom material is the amount of a given constituent 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 only 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.

Return period is the average time interval between occurrences of a hydrological event of a given or greater magnitude, usually expressed in years. May also be called recurrence interval.

Runoff in inches (IN, in) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

## DEFINITION OF TERMS (cont.)

Sea level: In this report, "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)--a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it 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 influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Bed load is the sediment that is transported in a stream by rolling, sliding, or skipping along the bed and close to it. In this report bed load is considered to consist of particles in transit within 0.25 ft of the streambed.

Bed load discharge (tons per day) is the quantity of bed load measured by dry weight that moves past a section as bed load in a given time.

Suspended sediment is the sediment that, at any given time, is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

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 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume that passes a section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft<sup>3</sup>/s) x 0.0027.

Suspended-sediment load is a general term that refers to material in suspension. It is not synonymous with either discharge or concentration.

Total-sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry mass or volume that passes a section during a given time. Total-sediment load or total load is a term, which refers to the total sediment (bed load plus suspended-sediment load) that is in transport. It is not synonymous with total-sediment discharge.

## DEFINITION OF TERMS (cont.)

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. Waters range in respect to sodium hazard from those, which can be used for irrigation on almost all soils to those, which are generally unsatisfactory for irrigation.

Solute is any substance that is dissolved in a solvent (such as water).

Specific conductance is a measure of the ability of a water solution to conduct an electrical current. It is expressed in microsiemens per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same stream with changes in the composition of the water.

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

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.

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

Artificial substrate is a device, which 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 taken. 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 Plexiglas strips for periphyton.

Surface area of a lake is that area outlined on the latest U.S. Geological Survey topographic map as the boundary of the lake and measured by a planimeter. In localities not covered by topographic maps, the areas are computed the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

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

## DEFINITION OF TERMS (cont.)

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

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45 mm 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 would be 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 analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentration of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45 mm membrane filter. 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 determine when the results should be reported as "suspended, total."

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determination of (1) dissolved and (2) total concentration of the constituent.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchical 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 | Animalia          |
| Phylum  | Arthropoda        |
| Class   | Insecta           |
| Order   | Ephemeroptera     |
| Family  | Ephemeridae       |
| Genus   | Hexagenia         |
| Species | Hexagenia limbata |

## DEFINITION OF TERMS (cont.)

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term "temperature recorder" is used in the table headings 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 that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 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) is the quantity of substance in solution or suspension that passes a stream section during a 24-hour period.

Total is the total amount of a given constituent in a representative water-suspended sediment 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" indicates that the sample consists of a water-suspended sediment mixture and that the analytical method determines the entire constituent in the sample.)

Total discharge is the total quantity of any individual constituent, as measured by dry mass or volume that passes through a stream cross-section per unit of time. This term needs to be qualified, such as "total sediment discharge," and so on.

Total, recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment 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, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

## DEFINITION OF TERMS (cont.)

Tritium Network is a network of stations that has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

Water year in Geological Survey 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, 1980, is called the "1980 water year."

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, thoroughly mixed, in a reservoir containing all the water passing a given location during the water year.

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

## PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

The U.S. Geological Survey publishes a series of manuals describing procedures for planning and conducting specialized work in water-resources investigations. The material 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. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises.

The reports listed below are for sale by the U.S. Geological Survey, Branch of Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

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, Chapter D1. 1975. 65 pages.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.

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, Chapter D1. 1974. 116 pages.

2-D2. *Application of seismic-refraction techniques to hydrologic studies*, by F. P. Haeni: USGS--TWRI Book 2, Chapter D2. 1988. 86 pages.

2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L.M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.

2-E2. *Borehole geophysics applied to ground-water investigations*, by W. S. Keys: USGS--TWRI Book 2, Chapter E2. 1990. 150 pages.

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, Chapter F1. 1989. 97 pages.

3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.

3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.



## **PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS-continued**

3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.

3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS-TWRI Book 3, Chapter A4. 1967. 44 pages.

3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3. Chapter A5. 1967. 29 pages.

3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.

3-A7. *Stage measurement at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.

3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.

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, Chapter A9. 1989. 27 pages.

3-A10. *Discharge ratings at gaging stations*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.

3-A11. *Measurement of discharge by the moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

3-A12. *Fluorometric procedures for dye tracing*, Revised, by J. F. Wilson, Jr., E. D. Cobb, and F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 34 pages.

3-A13. *Computation of continuous records of streamflow*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.

3-A14. *Use of flumes in measuring discharge*, by F. A. Kilpatrick and V. R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.

3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.

3-A16. *Measurement of discharge using tracers*, by F. A. Kilpatrick and E. D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.

## **PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS-continued**

- 3-A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.
- 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, Chapter A18. 1989. 52 pages.
- 3-A19. *Levels at streamflow gaging stations*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A19. 1990. 31 pages.
- 3-A20. *Simulation of soluble waste transport and buildup in surface waters using tracers*, by F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A20. 1993. 38 pages.
- 3-A21. *Stream-gaging cableways*, by C. Russell Wagner: USGS--TWRI Book 3, Chapter A21. 1995. 56 pages.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programmed text for self-instruction*, by G. D. Bennett: USGS-- TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.
- 3-B4. *Regression modeling of ground-water flow*, by R. L. Cooley and R. L. Naff: USGS--TWRI Book 3, Chapter B4. 1990. 232 pages.
- 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, Chapter B4. 1993. 8 pages.
- 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, Chapter B5. 1987. 15 pages.
- 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, Chapter B6. 1987. 28 pages.
- 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, Chapter B7. 1992. 190 pages.

## **PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS-continued**

- 3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 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, Chapter A1. 1989. 545 pages.
- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
- 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, Chapter A3. 1987. 80 pages.
- 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, Chapter A4. 1989. 363 pages.
- 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, Chapter A5. 1977. 95 pages.
- 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, Chapter A6. 1982. 181 pages.

## PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS-continued

- 5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
- 6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M. G. McDonald and A. W. Harbaugh: USGS--TWRI Book 6, Chapter A1. 1988. 586 pages.
- 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, Chapter A2. 1991. 68 pages.
- 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, Chapter A3. 1993. 136 pages
- 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, Chapter A4. 1992. 108 pages.
- 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, Chapter A5, 1993. 243 pages.
- 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, Chapter C1. 1976. 116 pages.
- 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, Chapter C2. 1978. 90 pages.
- 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, Chapter C3. 1981. 110 pages.
- 8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J. D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.
- 8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

**SAVANNAH RIVER BASIN  
2000 Calendar Year**

**02177000 CHATTOOGA RIVER NEAR CLAYTON, GA**

**PERIODIC WATER-QUALITY RECORDS**

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

**DRAINAGE AREA.**--207 mi<sup>2</sup>.

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

**REMARKS.**--The streamflow gaging station is located on the left bank, 150 ft downstream from the US Highway 76 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.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|---|--|--|
| JAN   |      |   |   |   |   |   |   |   |  |  |
| 19... | 1440 | 81213   | 498   | 1.0   | <1  | .8                                      | 11.8  | 98  | 6.8  | 6.8  |
| FEB   |      |   |   |   |   |   |   |   |  |  |
| 03... | 1300 | 81213   | 427   | --  | --  | --                                      | 13.5  | 105   | 6.8  | --   |
| 08... | 0930 | 81213   | 406   | --  | --  | --                                      | 13.3  | 102   | 6.6  | --   |
| 17... | 1430 | 81213   | 584   | .6  | 1   | 1.4                                     | 10.6  | 95  | 7.1  | 6.8  |
| MAR   |      |   |   |   |   |   |   |   |  |  |
| 02... | 1320 | 81213   | 434   | .4  | <1  | 1.1                                     | 10.9  | 102   | 7.1  | 6.9  |
| APR   |      |   |   |   |   |   |   |   |  |  |
| 10... | 1225 | 81213   | 714   | 1.0   | <1  | 1.8                                     | 12.5  | 113   | 7.2  | 6.6  |
| MAY   |      |   |   |   |   |   |   |   |  |  |
| 16... | 1145 | 81213   | 420   | --  | --  | --                                      | 10.3  | 113   | 7.2  | --   |
| 18... | 0740 | 81213   | 413   | .5  | 3   | 1.5                                     | 9.7   | 103   | 6.7  | 6.7  |
| 22... | 1150 | 81213   | 406   | --  | --  | --                                      | 8.6   | 101   | 7.4  | --   |
| JUN   |      |   |   |   |   |   |   |   |  |  |
| 05... | 0610 | 81213   | 299   | .2  | 1   | 1.7                                     | 8.4   | 98  | 6.7  | 6.9  |
| JUL   |      |   |   |   |   |   |   |   |  |  |
| 17... | 1240 | 81213   | 152   | .7  | 1   | 1.2                                     | 8.3   | 96  | 7.6  | 7.0  |
| 24... | 0840 | 81213   | 154   | --  | --  | --                                      | 8.3   | 101   | 6.9  | --   |
| 31... | 1205 | 81213   | 360   | --  | --  | --                                      | 8.7   | 107   | 7.3  | --   |
| AUG   |      |   |   |   |   |   |   |   |  |  |
| 08... | 1210 | 81213   | 195   | .7  | 7   | 4.0                                     | 8.8   | 113   | 7.4  | 7.0  |
| SEP   |      |   |   |   |   |   |   |   |  |  |
| 11... | 1210 | 81213   | 139   | .5  | 1   | 1.2                                     | 9.0   | 107   | 7.4  | 7.2  |
| 18... | 0615 | 81213   | 109   | --  | --  | --                                      | 8.8   | 96  | 7.0  | --   |
| 25... | 0620 | 81213   | 174   | --  | --  | --                                      | 8.3   | 98  | 7.0  | --   |
| OCT   |      |   |   |   |   |   |   |   |  |  |
| 04... | 1230 | 81213   | 123   | 1.3   | 2   | 1.4                                     | 9.3   | 105   | 7.2  | 7.0  |
| NOV   |      |   |   |   |   |   |   |   |  |  |
| 02... | 0650 | 81213   | 101   | .4  | 2   | 1.0                                     | 9.9   | 96  | 7.0  | 6.9  |
| DEC   |      |   |   |   |   |   |   |   |  |  |
| 04... | 0925 | 81213   | 195   | .1  | 2   | .9                                      | 13.7  | 106   | 6.9  | 6.7  |

**SAVANNAH RIVER BASIN  
2000 Calendar Year**

**02177000 CHATTOOGA RIVER NEAR CLAYTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |  |   |   |   |  |   |
| 19... | 14  | 14   | 8.9   | 5.8   | 9  | .03   | .1  | <.020   | 2.6  | <20   |
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 03... | --  | 15   | 5.5   | 3.0   | --   | --  | --  | --  | --   | <20   |
| 08... | --  | 12   | 3.0   | 3.5   | --   | --  | --  | --  | --   | <20   |
| 17... | --  | 15   | 21.0  | 9.6   | 9  | .04   | <.020   | <.020   | .90  | <20   |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 02... | 15  | 16   | 21.0  | 10.5  | 10   | .02   | <.020   | <.020   | .50  | --  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 10... | 14  | 13   | 20.6  | 9.9   | 8  | .02   | <.020   | <.020   | .90  | --  |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 16... | --  | 14   | 21.0  | 18.2  | --   | --  | --  | --  | --   | 20  |
| 18... | 14  | 12   | 17.2  | 16.7  | 7  | .04   | <.020   | <.020   | .50  | 50  |
| 22... | --  | 21   | 20.2  | 20.8  | --   | --  | --  | --  | --   | 20  |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 05... | 15  | 15   | 19.4  | 21.3  | 10   | .03   | <.020   | <.020   | 1.1  | <20   |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 17... | 17  | 15   | 29.2  | 20.7  | 8  | .04   | <.020   | <.020   | 1.1  | <20   |
| 24... | --  | 15   | 22.5  | 23.5  | --   | --  | --  | --  | --   | 50  |
| 31... | --  | 16   | 26.5  | 24.6  | --   | --  | --  | --  | --   | 140   |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 08... | 17  | 15   | 29.7  | 26.4  | 8  | .05   | <.020   | <.020   | 1.6  | 50  |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 11... | 17  | 15   | 26.4  | 22.5  | 8  | .02   | <.020   | <.020   | .80  | <20   |
| 18... | --  | 18   | 10.5  | 18.1  | --   | --  | --  | --  | --   | <20   |
| 25... | --  | 18   | 22.4  | 21.9  | --   | --  | --  | --  | --   | 80  |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 04... | 17  | 17   | 27.2  | 19.7  | 8  | .03   | <.020   | <.020   | 1.2  | <20   |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 02... | 18  | 18   | 6.5   | 12.8  | 8  | .05   | <.020   | <.020   | 8.9  | --  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 04... | 17  | 16   | 1.2   | 3.8   | 8  | .05   | <.020   | <.020   | 1.6  | --  |

**SAVANNAH RIVER BASIN  
2000 Calendar Year**

**02177000 CHATTOOGA RIVER NEAR CLAYTON, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>(00927) |
|--------------|------|---|---|--|--|--|--|---|---|---|---|
| MAR<br>02... | 1320 | 81213   | 434   | 10.9   | 102  | 7.1  | 16   | 21.0  | 10.5  | .7  | .3  |
| AUG<br>08... | 1210 | 81213   | 195   | 8.8  | 113  | 7.4  | 15   | 29.7  | 26.4  | .9  | .4  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>02... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 2.2  |
| AUG<br>08... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 2.6  |

**SAVANNAH RIVER BASIN  
2000 Calendar Year**

**02197065 SAVANNAH RIVER BELOW SPIRIT CREEK NEAR AUGUSTA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 33°19'50", long 81°54'55", Richmond County, Hydrologic Unit 03060106, 0.5 mile downstream from Spirit Creek, 10 miles southwest of Augusta, and at mile 182.5.

**DRAINAGE AREA.--**7,630 mi<sup>2</sup>.

**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. The flow at this site is regulated by Lake Burton (02178500), Mathis Reservoir (02179500), Hartwell Lake (02187250), Richard B. Russell Reservoir (02189004) and Thurmond Lake (02194500). Discharges for the water-quality samples are computed from the records of gaging station 02197000, Savannah River at Augusta, GA.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY ANA-LYZING SAMPLE NUMBER (00028) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310) | COLOR (PLAT-INUM-COBALT UNITS) (00080) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530) | TUR-BID-ITY (NTU) (00076) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301) | PH WATER WHOLE FIELD (STANDARD UNITS) (00400) | PH WATER WHOLE LAB (STANDARD UNITS) (00403) | SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095) | SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (00095) |
|-------|------|---|---|---|--|--|---------------------------|-----------------------------------|--|---|---|---|---|
| JAN   |      |   |   |   |  |  |                           |                                   |  |   |   |   |   |
| 18... | 1030 | 81341                                   | 4530  | <2.0  | 15                                     | 64   | 27                        | 9.9                               | 90.3   | 7.2   | 6.9   | 94  | 95  |
| FEB   |      |   |   |   |  |  |                           |                                   |  |   |   |   |   |
| 01... | 1000 | 81213                                   | 7410  | --  | --                                     | --   | --                        | 12.2                              | 99.7   | 7.0   | --  | --  | 80  |
| 08... | 1130 | 81341                                   | 3960  | --  | --                                     | --   | --                        | 11.8                              | 101  | 7.2   | --  | --  | 85  |
| 15... | 1220 | 81341                                   | 6340  | <2.0  | 5                                      | 9  | 3.0                       | 11.4                              | 102  | 6.8   | 7.3   | 84  | 81  |
| MAR   |      |   |   |   |  |  |                           |                                   |  |   |   |   |   |
| 14... | 1030 | 81341                                   | 5260  | <2.0  | 5                                      | 3  | 2.0                       | 11.0                              | 102  | 6.6   | 7.3   | 85  | 84  |
| 14... | 1035 | 81213                                   | 5260  | --  | --                                     | --   | --                        | 11.0                              | 102  | 6.6   | --  | --  | 84  |
| APR   |      |   |   |   |  |  |                           |                                   |  |   |   |   |   |
| 18... | 1130 | 81341                                   | 4250  | <2.0  | 10                                     | 3  | 1.0                       | 9.8                               | 102  | 7.3   | 7.0   | 86  | 86  |
| MAY   |      |   |   |   |  |  |                           |                                   |  |   |   |   |   |
| 23... | 0900 | 81341                                   | 4010  | <2.0  | 10                                     | 2  | 1.0                       | 9.2                               | 104  | 6.7   | 7.4   | 102   | 102   |
| 30... | 1045 | 81213                                   | 4230  | --  | --                                     | --   | --                        | 8.8                               | 99.5   | 7.1   | --  | --  | 85  |
| JUN   |      |   |   |   |  |  |                           |                                   |  |   |   |   |   |
| 06... | 1005 | 81213                                   | 4270  | --  | --                                     | --   | --                        | 8.7                               | 102  | 7.2   | --  | --  | 95  |
| 20... | 1135 | 81341                                   | 3890  | <2.0  | 10                                     | 1  | <1.0                      | 8.6                               | 102  | 7.1   | 7.4   | 106   | 106   |
| JUL   |      |   |   |   |  |  |                           |                                   |  |   |   |   |   |
| 11... | 1110 | 81341                                   | 4770  | <2.0  | 5                                      | 1  | 1.0                       | 8.8                               | 107  | 7.2   | 7.4   | 81  | 83  |
| AUG   |      |   |   |   |  |  |                           |                                   |  |   |   |   |   |
| 29... | 1210 | 81341                                   | 4060  | <2.0  | 10                                     | 5  | 1.0                       | 6.2                               | 75.0   | 6.8   | 7.2   | 98  | 93  |
| 29... | 1211 | 81213                                   | 4060  | --  | --                                     | --   | --                        | 6.2                               | 75.0   | 6.8   | --  | --  | 93  |
| SEP   |      |   |   |   |  |  |                           |                                   |  |   |   |   |   |
| 06... | 1050 | 81213                                   | 7230  | --  | --                                     | --   | --                        | 5.4                               | 62.6   | 6.5   | --  | --  | 84  |
| 12... | 1030 | 81213                                   | 4940  | --  | --                                     | --   | --                        | 8.3                               | 97.7   | 6.6   | --  | --  | 76  |
| 19... | 1140 | 81341                                   | 4170  | <2.0  | 5                                      | 26   | 1.0                       | 9.0                               | 99.8   | 6.7   | 7.4   | 89  | 93  |
| OCT   |      |   |   |   |  |  |                           |                                   |  |   |   |   |   |
| 02... | 1020 | 81213                                   | 3810  | --  | --                                     | --   | --                        | 8.4                               | 94.4   | 6.5   | --  | --  | 90  |
| 12... | 1200 | 81341                                   | 4720  | <2.0  | 5                                      | 2  | 1.0                       | 9.2                               | 98.0   | 6.7   | 7.2   | 87  | 85  |
| 17... | 1030 | 81213                                   | 4570  | --  | --                                     | --   | --                        | 9.5                               | 104  | 6.6   | --  | --  | 80  |
| NOV   |      |   |   |   |  |  |                           |                                   |  |   |   |   |   |
| 14... | 1210 | 81341                                   | 4420  | <2.0  | 5                                      | 3  | 1.0                       | 9.2                               | 97.3   | 6.7   | 7.2   | 84  | 81  |
| DEC   |      |   |   |   |  |  |                           |                                   |  |   |   |   |   |
| 11... | 1230 | 81341                                   | 4040  | <2.0  | 10                                     | 4  | 1.0                       | 10.8                              | 100  | 7.0   | 6.9   | 95  | 92  |



**SAVANNAH RIVER BASIN  
2000 Calendar Year**

**02197065 SAVANNAH RIVER BELOW SPIRIT CREEK NEAR AUGUSTA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|--------------|---|---|--|---|---|---|--|---|
| JAN<br>18... | 5.0   | 11.2  | 23   | .19   | .3  | .140  | 2.8  | 80  |
| FEB<br>01... | 6.0   | 6.8   | --   | --  | --  | --  | --   | 590   |
| 08...        | 13.0  | 8.8   | --   | --  | --  | --  | --   | 490   |
| 15...        | 16.0  | 10.8  | 15   | .37   | .3  | .110  | 2.2  | 110   |
| MAR<br>14... | 15.6  | 12.3  | 20   | .14   | .1  | .100  | 2.6  | --  |
| 14...        | 15.6  | 12.3  | --   | --  | --  | --  | --   | --  |
| APR<br>18... | 22.0  | 17.0  | 20   | .11   | .3  | .150  | 3.0  | --  |
| MAY<br>23... | 28.8  | 20.9  | 21   | .31   | .5  | .160  | 2.5  | <20   |
| 30...        | 24.8  | 21.6  | --   | --  | --  | --  | --   | <20   |
| JUN<br>06... | 26.5  | 22.7  | --   | --  | --  | --  | --   | 3300  |
| 20...        | 33.5  | 24.2  | 22   | .25   | .4  | .100  | 3.5  | 50  |
| JUL<br>11... | 35.1  | 25.1  | 20   | .07   | .2  | .080  | 3.1  | 490   |
| AUG<br>29... | 27.4  | 24.7  | 20   | .09   | .3  | .120  | 2.2  | 20  |
| 29...        | 27.4  | 24.7  | --   | --  | --  | --  | --   | --  |
| SEP<br>06... | 17.0  | 22.9  | --   | --  | --  | --  | --   | E1800   |
| 12...        | 26.4  | 23.4  | --   | --  | --  | --  | --   | <20   |
| 19...        | 25.6  | 20.5  | 22   | .07   | .3  | .120  | 2.9  | 13000   |
| OCT<br>02... | 23.9  | 21.0  | --   | --  | --  | --  | --   | <20   |
| 12...        | 23.6  | 18.9  | 15   | .06   | .2  | .090  | 3.1  | 0   |
| 17...        | 22.6  | 20.1  | --   | --  | --  | --  | --   | 20  |
| NOV<br>14... | 18.7  | 17.9  | 20   | .03   | .2  | .120  | 1.9  | 80  |
| DEC<br>11... | 8.4   | 12.1  | --   | .14   | .2  | .100  | 2.8  | 170   |

**SAVANNAH RIVER BASIN  
2000 Calendar Year**

**02197065 SAVANNAH RIVER BELOW SPIRIT CREEK NEAR AUGUSTA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME   | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.                       | OXYGEN,<br>DIS-<br>SOLVED                      | PH<br>WATER                                    | SPE-<br>CIFIC                                  | TEMPER-<br>ATURE<br>AIR                        | TEMPER-<br>ATURE<br>WATER                      | CALCIUM<br>TOTAL                               | MAGNE-<br>SIUM,<br>TOTAL                       | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) |      |
|--------------|--|---|--|--|--|--|--|--|--|--|---|--|------|
|              |  |   | CUBIC<br>FEET<br>PER<br>SECOND<br>(00061)      | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | (PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301)   | FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400)   |  |  | CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)    | RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) |   | RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |      |
| MAR<br>14... | 1035   | 81213   | 5260   | 11.0   | 102  | 6.6  | 84   | 15.6   | 12.3   | 3.2  | 1.4   | <1.0   | <2.0 |
| AUG<br>29... | 1211   | 81213   | 4060   | 6.2  | 75.0   | 6.8  | 93   | 27.4   | 24.7   | 2.8  | 1.3   | <1.0   | <4.0 |
| DATE         | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL   | COPPER,<br>TOTAL                               | LEAD,<br>TOTAL                                 | MERCURY<br>TOTAL                               | NICKEL,<br>TOTAL                               | SELE-<br>NIUM,<br>TOTAL                        | THAL-<br>LIUM,<br>TOTAL                        | ZINC,<br>TOTAL                                 |  |   |  |      |
|              |  | RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034)                    | RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |  |   |  |      |
| MAR<br>14... | <.5  | <1.0  | <1.0   | 1.1  | <.1  | <1.0   | <2.0   | <2.0   | 2.2  |  |   |  |      |
| AUG<br>29... | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0   | <2.0   | 3.3  |  |   |  |      |

**SAVANNAH RIVER BASIN  
2000 Calendar Year**

**02198500 SAVANNAH RIVER NEAR CLYO, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°31'30", long 81°15'45", Effingham County, GA-Jasper County, SC, Hydrologic Unit 03060109, at bridge on Georgia Highway 119, 0.4 mile upstream of the gaging station located on the downstream side of the center pier of the drawspan of the Seaboard Coast Line Railroad bridge, 3.0 miles north of Clyo, and at mile 60.9.

**DRAINAGE AREA.**--9,850 mi<sup>2</sup>, approximately.

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

**PERIOD OF CONTINUOUS WATER-QUALITY RECORD.--**

**SPECIFIC CONDUCTANCE:** January 1974 to July 1977.

**WATER TEMPERATURE:** May 1938 to April 1939, January 1974 to July 1977.

**EXTREMES FOR PERIOD OF CONTINUOUS WATER-QUALITY RECORD.--**

**SPECIFIC CONDUCTANCE:** Maximum daily, 110 $\mu$ S June 14, 1977; minimum daily, 42 $\mu$ S July 5, 1974.

**WATER TEMPERATURE:** Maximum daily, 27.0°C Aug. 23, 1975, July 9, 13, 1977; minimum daily recorded, 4.0°C Jan. 22-24, 26, 30, Feb. 1, 1977.

**REMARKS.**--Daily water-quality records were collected by the U.S. Geological Survey, South Carolina District, Columbia, SC. This station is also part of the USGS Radiochemical sampling program. 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.

**SAVANNAH RIVER BASIN  
2000 Calendar Year**

**02198500 SAVANNAH RIVER NEAR CLYO, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | COLOR<br>(PLAT-<br>INUM-<br>COBALT<br>UNITS)<br>(00080) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) |
|-------|------|---|---|---|---|---|---|---|---|--|--|---|--|
| JAN   |      |   |   |   |   |   |   |   |   |  |  |   |  |
| 18... | 1500 | 81341   | 5970  | <2.0  | 30  | 13  | 6.0                                     | 9.6   | 86.8  | 7.4  | 7.2  | 124   | 124  |
| FEB   |      |   |   |   |   |   |   |   |   |  |  |   |  |
| 01... | 1430 | 81213   | 9530  | --  | --  | --  | --                                      | 10.8  | 87.0  | 7.1  | --   | --  | 104  |
| 08... | 0745 | 81341   | 6770  | --  | --  | --  | --                                      | 10.2  | 85.8  | 6.8  | --   | --  | 111  |
| 15... | 0800 | 81341   | 6140  | <2.0  | 15  | 42  | 9.0                                     | 9.4   | 87.1  | 6.8  | 7.3  | 121   | 121  |
| MAR   |      |   |   |   |   |   |   |   |   |  |  |   |  |
| 14... | 1445 | 81341   | 5940  | <2.0  | 5   | 11  | 5.0                                     | 9.0   | 90.5  | 6.7  | 7.1  | 120   | 121  |
| 14... | 1450 | 81213   | 5940  | --  | --  | --  | --                                      | 9.0   | 90.5  | 6.7  | --   | --  | 121  |
| APR   |      |   |   |   |   |   |   |   |   |  |  |   |  |
| 18... | 0700 | 81341   | 5730  | <2.0  | 10  | 24  | 8.0                                     | 7.9   | 85.3  | 7.3  | 6.8  | 118   | 117  |
| MAY   |      |   |   |   |   |   |   |   |   |  |  |   |  |
| 23... | 1320 | 81341   | 4690  | <2.0  | 10  | 32  | 10                                      | 7.4   | 90.6  | 7.4  | 7.5  | 131   | 136  |
| 30... | 0650 | 81213   | 4840  | --  | --  | --  | --                                      | 6.9   | 84.0  | 7.1  | --   | --  | 132  |
| JUN   |      |   |   |   |   |   |   |   |   |  |  |   |  |
| 06... | 0640 | 81213   | 4760  | --  | --  | --  | --                                      | 6.5   | 80.4  | 7.4  | --   | --  | 138  |
| 20... | 0705 | 81341   | 4680  | <2.0  | 20  | 22  | 6.0                                     | 6.3   | 79.1  | 7.4  | 7.5  | 137   | 138  |
| JUL   |      |   |   |   |   |   |   |   |   |  |  |   |  |
| 11... | 0645 | 81341   | 5060  | <2.0  | 10  | 57  | 8.0                                     | 6.6   | 83.6  | 7.1  | 7.4  | 122   | 124  |
| AUG   |      |   |   |   |   |   |   |   |   |  |  |   |  |
| 29... | 0705 | 81341   | 4870  | <2.0  | 5   | 22  | 8.0                                     | 6.5   | 80.6  | 6.9  | 7.3  | 128   | 127  |
| 29... | 0706 | 81213   | 4870  | --  | --  | --  | --                                      | 6.5   | 80.6  | 6.9  | --   | --  | 127  |
| SEP   |      |   |   |   |   |   |   |   |   |  |  |   |  |
| 06... | 0645 | 81213   | 5860  | --  | --  | --  | --                                      | 6.6   | 78.3  | 6.9  | --   | --  | 123  |
| 12... | 0640 | 81213   | 5740  | --  | --  | --  | --                                      | 6.8   | 80.7  | 6.8  | --   | --  | 118  |
| 19... | 0715 | 81341   | 5220  | <2.0  | 10  | 37  | 6.0                                     | 7.2   | 82.4  | 7.0  | 7.6  | 110   | 119  |
| OCT   |      |   |   |   |   |   |   |   |   |  |  |   |  |
| 02... | 0705 | 81213   | 7070  | --  | --  | --  | --                                      | 6.8   | 77.0  | 6.6  | --   | --  | 111  |
| 12... | 0630 | 81341   | 5690  | <2.0  | 5   | 19  | 7.0                                     | 7.9   | 82.6  | 6.8  | 7.2  | 128   | 124  |
| 17... | 0645 | 81213   | 5580  | --  | --  | --  | --                                      | 8.1   | 86.6  | 6.8  | --   | --  | 117  |
| NOV   |      |   |   |   |   |   |   |   |   |  |  |   |  |
| 14... | 0815 | 81341   | 5320  | <2.0  | 5   | 18  | 5.0                                     | 8.3   | 86.7  | 7.0  | 7.3  | 127   | 124  |
| DEC   |      |   |   |   |   |   |   |   |   |  |  |   |  |
| 11... | 0745 | 81341   | 5910  | <2.0  | 10  | 47  | 3.0                                     | 10.1  | 90.2  | 6.7  | 7.0  | 119   | 115  |

**SAVANNAH RIVER BASIN  
2000 Calendar Year**

**02198500 SAVANNAH RIVER NEAR CLYO, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC   | NITRO-  | NITRO-  | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L)<br>(AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L)<br>(AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|---|---|--|---|
|       |   |   | UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) |   |  |   |
| JAN   |   |   |   |   |   |   |  |   |
| 18... | 10.9  | 10.9  | 28  | .06   | .3  | .094  | 3.6  | <20   |
| FEB   |   |   |   |   |   |   |  |   |
| 01... | 12.9  | 6.2   | --  | --  | --  | --  | --   | 330   |
| 08... | -0.4  | 8.0   | --  | --  | --  | --  | --   | 50  |
| 15... | 7.7   | 12.1  | 25  | .20   | .3  | .120  | 3.4  | 50  |
| MAR   |   |   |   |   |   |   |  |   |
| 14... | 20.1  | 16.0  | 26  | .05   | .3  | .094  | 4.2  | --  |
| 14... | 20.1  | 16.0  | --  | --  | --  | --  | --   | --  |
| APR   |   |   |   |   |   |   |  |   |
| 18... | 13.6  | 18.5  | 27  | .05   | .5  | .160  | 4.1  | --  |
| MAY   |   |   |   |   |   |   |  |   |
| 23... | 34.8  | 25.4  | 29  | <.03  | .7  | .160  | 3.4  | <20   |
| 30... | 16.7  | 25.5  | --  | --  | --  | --  | --   | <20   |
| JUN   |   |   |   |   |   |   |  |   |
| 06... | 24.6  | 26.1  | --  | --  | --  | --  | --   | 20  |
| 20... | 26.7  | 27.1  | 28  | <.03  | .6  | .150  | 3.5  | 20  |
| JUL   |   |   |   |   |   |   |  |   |
| 11... | 26.8  | 27.3  | 23  | <.03  | .3  | .140  | 3.6  | <20   |
| AUG   |   |   |   |   |   |   |  |   |
| 29... | 23.4  | 26.4  | 26  | <.03  | .3  | .130  | 3.0  | 20  |
| 29... | 23.4  | 26.4  | --  | --  | --  | --  | --   | --  |
| SEP   |   |   |   |   |   |   |  |   |
| 06... | 18.6  | 24.1  | --  | --  | --  | --  | --   | <20   |
| 12... | 19.6  | 23.6  | --  | --  | --  | --  | --   | <20   |
| 19... | 17.8  | 22.0  | 27  | <.03  | .3  | .110  | 3.3  | 220   |
| OCT   |   |   |   |   |   |   |  |   |
| 02... | 13.2  | 21.2  | --  | --  | --  | --  | --   | <20   |
| 12... | 4.0   | 18.1  | 25  | .04   | .3  | .180  | 4.6  | 0   |
| 17... | 9.2   | 18.7  | --  | --  | --  | --  | --   | 40  |
| NOV   |   |   |   |   |   |   |  |   |
| 14... | 14.0  | 17.3  | 22  | <.03  | .3  | .120  | 2.5  | 80  |
| DEC   |   |   |   |   |   |   |  |   |
| 11... | 7.2   | 10.5  | --  | .05   | .3  | .120  | 4.2  | 50  |

**SAVANNAH RIVER BASIN  
2000 Calendar Year**

**02198500 SAVANNAH RIVER NEAR CLYO, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS CA<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L)<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L)<br>AS AS)<br>(01002) |
|--------------|------|---|---|---|---|--|--|---|---|--|---|--|---|
|              |      |   |   |   |   |  |  |   |   |  |   |  |   |
| MAR<br>14... | 1450 | 81213   | 5940  | 9.0   | 90.5  | 6.7  | 121  | 20.1  | 16.0  | 6.5  | 1.4   | <1.0   | <2.0  |
| AUG<br>29... | 0706 | 81213   | 4870  | 6.5   | 80.6  | 6.9  | 127  | 23.4  | 26.4  | 5.1  | 1.4   | <1.0   | <4.0  |
| MAR<br>14... |      |   | <.5   | <1.0  | <1.0  | <1.0   | <.1  | <1.0  | <2.0  | <2.0   | 4.3   |  |   |
| AUG<br>29... |      |   | <.5   | <1.0  | <2.0  | <2.0   | <.1  | <1.0  | <4.0  | <2.0   | 5.2   |  |   |

**OGEECHEE RIVER BASIN  
2000 Calendar Year**

**02202190 OGEECHEE RIVER NEAR OLIVER, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°29'45", long 81°33'11", Screven-Bulloch County line, Hydrologic Unit 03060202, at the bridge on Georgia Highway 24, 0.3 mile upstream from Ogeechee Creek, and 2.0 miles southwest of Oliver.

**DRAINAGE AREA.**--2,230 mi<sup>2</sup>, approximately.

**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 Laboratory Operations Program, Environmental Protection Division, Georgia Department of Natural Resources. 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | COLOR<br>(PLAT-<br>INUM-<br>COBALT<br>UNITS)<br>(00080) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) |
|-------|------|--|---|---|---|---|---|--|---|--|--|---|--|
| JAN   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 18... | 1330 | 81341  | 881   | <2.0  | 60  | 8   | 7.0                                     | 9.8  | 87.1  | 7.2  | 7.0  | 79  | 81   |
| FEB   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 01... | 1330 | 81213  | 2220  | --  | --  | --  | --                                      | 11.8   | 91.4  | 6.8  | --   | --  | 62   |
| 08... | 0900 | 81341  | 3560  | --  | --  | --  | --                                      | 10.4   | 84.2  | 6.4  | --   | --  | 54   |
| 15... | 0945 | 81341  | 2010  | <2.0  | 15  | 69  | 12                                      | 8.3  | 76.8  | 6.4  | 6.9  | 65  | 64   |
| MAR   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 14... | 1330 | 81341  | 1330  | <2.0  | 45  | <1  | 4.0                                     | 8.1  | 80.4  | 6.6  | 7.2  | 88  | 87   |
| 14... | 1335 | 81213  | 1330  | --  | --  | --  | --                                      | 8.1  | 80.4  | 6.6  | --   | --  | 87   |
| APR   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 18... | 0845 | 81341  | 839   | <2.0  | 110   | 5   | 7.0                                     | 6.8  | 72.4  | 7.4  | 7.1  | 96  | 94   |
| MAY   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 23... | 1210 | 81341  | 179   | <2.0  | 10  | 2   | 2.0                                     | 8.1  | 101   | 8.0  | 7.9  | 149   | 151  |
| 30... | 0750 | 81213  | 170   | --  | --  | --  | --                                      | 6.0  | 74.3  | 7.4  | --   | --  | 179  |
| JUN   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 06... | 0740 | 81213  | 154   | --  | --  | --  | --                                      | 5.3  | 67.0  | 7.6  | --   | --  | 193  |
| 20... | 0825 | 81341  | 124   | <2.0  | 20  | 5   | 1.0                                     | 5.9  | 75.3  | 7.8  | 7.8  | 194   | 202  |
| JUL   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 11... | 0810 | 81341  | 154   | 2.9   | 60  | 22  | 6.0                                     | 5.2  | 68.6  | 7.8  | 7.7  | 144   | 145  |
| AUG   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 29... | 0855 | 81341  | 145   | <2.0  | 20  | 4   | 2.0                                     | 4.9  | 62.3  | 7.5  | 7.8  | 183   | 182  |
| 29... | 0856 | 81213  | 145   | --  | --  | --  | --                                      | 4.9  | 62.3  | 7.5  | --   | --  | 182  |
| SEP   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 06... | 0745 | 81213  | 212   | --  | --  | --  | --                                      | 5.1  | 61.6  | 7.3  | --   | --  | 127  |
| 12... | 0740 | 81213  | 385   | --  | --  | --  | --                                      | 6.3  | 75.1  | 7.0  | --   | --  | 112  |
| 19... | 0850 | 81341  | 274   | <2.0  | 20  | 43  | 7.0                                     | 6.9  | 78.2  | 7.1  | 7.5  | 100   | 108  |
| OCT   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 02... | 0800 | 81213  | 980   | --  | --  | --  | --                                      | 6.1  | 66.8  | 6.3  | --   | --  | 92   |
| 12... | 0830 | 81341  | 355   | <2.0  | 5   | 2   | 3.0                                     | 7.8  | 77.5  | 6.8  | 7.2  | 130   | 118  |
| 17... | 0745 | 81213  | 267   | --  | --  | --  | --                                      | 8.2  | 83.4  | 7.1  | --   | --  | 129  |
| NOV   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 14... | 0940 | 81341  | 219   | <2.0  | 5   | 4   | 2.0                                     | 8.3  | 82.7  | 7.2  | 7.6  | 144   | 143  |
| DEC   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 11... | 0930 | 81341  | 564   | <2.0  | 40  | 7   | 3.0                                     | 10.6   | 88.9  | 6.8  | 7.0  | 101   | 94   |

**OGEECHEE RIVER BASIN  
2000 Calendar Year**

**02202190 OGEECHEE RIVER NEAR OLIVER, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|--|--|--|---|--|---|
| JAN   |   |   |  |  |  |   |  |   |
| 18... | 10.5  | 9.8   | 24   | <.03   | .1   | .043  | 6.0  | 110   |
| FEB   |   |   |  |  |  |   |  |   |
| 01... | 12.0  | 4.7   | --   | --   | --   | --  | --   | 460   |
| 08... | 4.0   | 6.6   | --   | --   | --   | --  | --   | 60  |
| 15... | 10.7  | 12.2  | 11   | <.03   | <.02   | .099  | 8.3  | 50  |
| MAR   |   |   |  |  |  |   |  |   |
| 14... | 18.6  | 15.4  | 29   | .03  | <.02   | .037  | 11   | --  |
| 14... | 18.6  | 15.4  | --   | --   | --   | --  | --   | --  |
| APR   |   |   |  |  |  |   |  |   |
| 18... | 15.4  | 18.0  | 33   | .08  | .2   | .070  | 9.5  | --  |
| MAY   |   |   |  |  |  |   |  |   |
| 23... | 32.7  | 26.7  | 61   | <.03   | .2   | .060  | 5.9  | <20   |
| 30... | 16.9  | 26.0  | --   | --   | --   | --  | --   | <20   |
| JUN   |   |   |  |  |  |   |  |   |
| 06... | 23.7  | 27.3  | --   | --   | --   | --  | --   | 20  |
| 20... | 27.8  | 28.0  | 80   | <.03   | .2   | .080  | 7.6  | 20  |
| JUL   |   |   |  |  |  |   |  |   |
| 11... | 28.8  | 29.5  | 51   | <.03   | <.02   | .100  | 7.7  | 75  |
| AUG   |   |   |  |  |  |   |  |   |
| 29... | 27.0  | 28.0  | 65   | .03  | .1   | .080  | 6.3  | <20   |
| 29... | 27.0  | 28.0  | --   | --   | --   | --  | --   | --  |
| SEP   |   |   |  |  |  |   |  |   |
| 06... | 18.4  | 24.9  | --   | --   | --   | --  | --   | E330  |
| 12... | 20.1  | 24.3  | --   | --   | --   | --  | --   | 70  |
| 19... | 19.8  | 21.3  | 36   | <.03   | .2   | .080  | 11   | 40  |
| OCT   |   |   |  |  |  |   |  |   |
| 02... | 15.5  | 19.5  | --   | --   | --   | --  | --   | 20  |
| 12... | 12.0  | 15.6  | 38   | .03  | .1   | .050  | 12   | 0   |
| 17... | 9.0   | 16.3  | --   | --   | --   | --  | --   | 20  |
| NOV   |   |   |  |  |  |   |  |   |
| 14... | 12.9  | 15.1  | 49   | <.03   | .1   | .060  | 3.6  | 50  |
| DEC   |   |   |  |  |  |   |  |   |
| 11... | 7.5   | 7.9   | --   | <.03   | .1   | .050  | 7.1  | 20  |



**OGEECHEE RIVER BASIN  
2000 Calendar Year**

**02202190 OGEECHEE RIVER NEAR OLIVER, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) |
|--------------|------|---|---|--|---|--|--|---|---|--|--|---|--|
| MAR<br>14... | 1335 | 81213   | 1330  | 8.1  | 80.4  | 6.6  | 87   | 18.6  | 15.4  | 9.8  | 1.5  | <1.0  | <2.0   |
| AUG<br>29... | 0856 | 81213   | 145   | 4.9  | 62.3  | 7.5  | 182  | 27.0  | 28.0  | 14   | 1.5  | <1.0  | <4.0   |

| DATE         | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|--|---|--|--|--|--|---|---|--|
| MAR<br>14... | <.5  | <1.0  | <1.0   | 1.3  | <.1  | <1.0   | <2.0  | <2.0  | 1.7  |
| AUG<br>29... | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 2.4  |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02204810 SOUTH RIVER AT ISLAND SHOALS ROAD, NEAR SNAPPING SHOALS, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 33°27'09", long 83°55'38", Henry-Newton County line, Hydrologic Unit 03070103, at the end of Island Shoals Road, 0.7 mile upstream from Mackey Creek, 5.1 miles above mouth, and 2.7 miles southeast of Snapping Shoals..

**DRAINAGE AREA.--**518 mi<sup>2</sup>.

**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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(000028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(000061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>(STAND-<br>ARD)<br>(00301) | PH<br>WATER<br>FIELD<br>(STAND-<br>ARD)<br>(00400) | PH<br>WATER<br>LAB<br>(STAND-<br>ARD)<br>(00403) |
|-------|------|--|--|---|--|---|---|---|--|--|
| JAN   |      |  |  |   |  |   |   |   |  |  |
| 19... | 1340 | 81213  | 310  | .8  | 12   | 9.8                                     | 10.9  | 96  | 7.2  | 7.6  |
| FEB   |      |  |  |   |  |   |   |   |  |  |
| 03... | 1430 | 81213  | --   | --  | --   | --                                      | 12.1  | 97  | 7.3  | --   |
| 09... | 1420 | 81213  | 288  | --  | --   | --                                      | 11.8  | 96  | 7.2  | --   |
| 14... | 1420 | 81213  | 670  | 3.3   | 370  | 340                                     | 10.2  | 96  | 6.9  | 6.7  |
| MAR   |      |  |  |   |  |   |   |   |  |  |
| 27... | 1050 | 81213  | 625  | .8  | 12   | 12                                      | 7.9   | 85  | 7.1  | 7.6  |
| APR   |      |  |  |   |  |   |   |   |  |  |
| 03... | 1045 | 81213  | 675  | 3.2   | 220  | 190                                     | 6.1   | 67  | 7.0  | 7.3  |
| MAY   |      |  |  |   |  |   |   |   |  |  |
| 31... | 0705 | 81213  | 154  | .9  | 11   | 7.7                                     | 7.6   | 88  | 7.6  | 7.7  |
| JUN   |      |  |  |   |  |   |   |   |  |  |
| 20... | 1005 | 81213  | --   | .5  | 13   | 4.4                                     | 7.8   | 99  | 7.8  | 7.7  |
| 22... | 0935 | 81213  | 168  | --  | --   | --                                      | 7.6   | 97  | 7.2  | --   |
| 28... | 1000 | 81213  | 54   | --  | --   | --                                      | 7.5   | 96  | 7.7  | --   |
| JUL   |      |  |  |   |  |   |   |   |  |  |
| 13... | 0845 | 81213  | 108  | --  | --   | --                                      | 7.5   | 95  | 7.5  | --   |
| 20... | 0730 | 81213  | 68   | .6  | 5  | 3.3                                     | 6.1   | 78  | 7.7  | 7.8  |
| 27... | 0850 | 81213  | 167  | --  | --   | --                                      | 6.7   | 82  | 7.2  | --   |
| AUG   |      |  |  |   |  |   |   |   |  |  |
| 10... | 0740 | 81213  | 150  | .7  | 17   | 16                                      | 6.5   | 78  | 7.5  | 7.7  |
| SEP   |      |  |  |   |  |   |   |   |  |  |
| 14... | 0715 | 81213  | 155  | .8  | 9  | 8.0                                     | 7.4   | 89  | 7.6  | 7.6  |
| 21... | 0845 | 81213  | 150  | --  | --   | --                                      | 6.4   | 75  | 7.3  | --   |
| 28... | 0850 | 81213  | 81   | --  | --   | --                                      | 9.9   | 106   | 7.0  | --   |
| OCT   |      |  |  |   |  |   |   |   |  |  |
| 12... | 0800 | 81213  | 104  | .4  | 4  | 4.6                                     | 10.3  | 95  | 7.6  | 7.6  |
| NOV   |      |  |  |   |  |   |   |   |  |  |
| 01... | 1030 | 81213  | 154  | 1.6   | 3  | 1.9                                     | 6.4   | 68  | 7.3  | 7.8  |
| DEC   |      |  |  |   |  |   |   |   |  |  |
| 12... | 1220 | 81213  | 155  | .6  | 6  | 5.8                                     | 10.9  | 97  | 7.6  | 7.7  |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02204810 SOUTH RIVER AT ISLAND SHOALS ROAD, NEAR SNAPPING SHOALS, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 19... | 155   | 155   | 9.5   | 9.5   | 31   | .12   | 1.6   | .050  | 2.2  | 220   |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 03... | --  | 138   | 14.0  | 5.5   | --   | --  | --  | --  | --   | 20  |
| 09... | --  | 149   | 15.0  | 6.0   | --   | --  | --  | --  | --   | 50  |
| 14... | 65  | 62  | 19.0  | 11.8  | 15   | .10   | .6  | .400  | 3.9  | >24000  |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 27... | 137   | 129   | 18.0  | 17.0  | 29   | .06   | 1.3   | .050  | 1.7  | --  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 03... | 107   | 103   | 22.2  | 18.9  | 23   | .09   | .9  | .350  | 3.5  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 31... | 216   | 216   | 17.4  | 22.2  | 48   | .09   | 1.5   | .040  | 3.0  | 20  |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 20... | 222   | 232   | 30.1  | 27.1  | 44   | .09   | 1.6   | .050  | 2.3  | 50  |
| 22... | --  | 189   | 29.8  | 27.0  | --   | --  | --  | --  | --   | 20  |
| 28... | --  | 263   | 30.1  | 27.6  | --   | --  | --  | --  | --   | 40  |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 13... | --  | 264   | 28.2  | 26.6  | --   | --  | --  | --  | --   | 20  |
| 20... | 308   | 316   | 25.4  | 26.9  | 57   | .07   | 1.5   | .030  | 2.8  | <20   |
| 27... | --  | 134   | 28.0  | 25.0  | --   | --  | --  | --  | --   | 130   |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 10... | 226   | 251   | 24.9  | 23.8  | 48   | .09   | 1.2   | .060  | 2.7  | 90  |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 14... | 207   | 206   | 22.6  | 23.8  | 42   | .08   | 2.0   | .060  | 2.4  | 80  |
| 21... | --  | 238   | 24.6  | 22.5  | --   | --  | --  | --  | --   | <20   |
| 28... | --  | 80  | 15.1  | 18.5  | --   | --  | --  | --  | --   | 1300  |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 12... | 215   | 216   | 6.2   | 11.6  | 43   | .05   | 2.2   | .040  | 2.3  | 490   |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 01... | 264   | 270   | 20.5  | 17.7  | 54   | .07   | 2.4   | .040  | 7.0  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 12... | 198   | 203   | 8.9   | 10.1  | 39   | .03   | 2.1   | .070  | 2.3  | --  |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02204810 SOUTH RIVER AT ISLAND SHOALS ROAD, NEAR SNAPPING SHOALS, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|--|--|--|---|---|--|--|
| MAR<br>27... | 1050 | 81213   | 625   | 7.9   | 85   | 7.1  | 129  | 18.0  | 17.0  | 9.8  | 2.1  |
| AUG<br>10... | 0740 | 81213   | 150   | 6.5   | 78   | 7.5  | 251  | 24.9  | 23.8  | 17   | 2.3  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>27... | <1.0  | <2.0   | <.5  | 1.5   | 3.1  | 2.2  | <.1  | <1.0   | 2.4   | <2.0  | 10   |
| AUG<br>10... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | 2.3  | <.1  | 1.3  | <4.0  | <2.0  | 10   |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02208005 YELLOW RIVER NEAR STEWART, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°26'26", long 83°52'43", Newton County, Hydrologic Unit 03070103, at bridge on Georgia Highway 212, 7.1 miles downstream from Dog Branch, 5.0 miles above mouth, and 2.5 miles northwest of Stewart.

**DRAINAGE AREA.**--440 mi<sup>2</sup>.

**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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(000028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(000061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>(PER-<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>ARDS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>ARDS)<br>(00403) |
|-------|------|--|--|---|--|---|---|---|---|---|
| JAN   |      |  |  |   |  |   |   |   |   |   |
| 19... | 1130 | 81213  | 235  | .8  | 17   | 12                                      | 11.7  | 100   | 7.1   | 7.5   |
| FEB   |      |  |  |   |  |   |   |   |   |   |
| 03... | 1210 | 81213  | 355  | --  | --   | --                                      | 12.4  | 96  | 7.3   | --  |
| 09... | 1500 | 81213  | 253  | --  | --   | --                                      | 12.0  | 100   | 7.2   | --  |
| 14... | 1320 | 81213  | 1660   | 3.4   | 530  | 410                                     | 10.2  | 94  | 6.9   | 6.9   |
| MAR   |      |  |  |   |  |   |   |   |   |   |
| 27... | 0945 | 81213  | 363  | .9  | 17   | 15                                      | 8.9   | 94  | 7.1   | 7.6   |
| APR   |      |  |  |   |  |   |   |   |   |   |
| 03... | 0940 | 81213  | 718  | 1.3   | 50   | 40                                      | 8.6   | 91  | 7.1   | 7.6   |
| MAY   |      |  |  |   |  |   |   |   |   |   |
| 31... | 0815 | 81213  | 200  | .7  | 22   | 13                                      | 7.4   | 84  | 7.6   | 7.6   |
| JUN   |      |  |  |   |  |   |   |   |   |   |
| 20... | 0845 | 81213  | 125  | .4  | 16   | 10                                      | 6.7   | 83  | 7.7   | 7.9   |
| 22... | 0820 | 81213  | 126  | --  | --   | --                                      | 6.4   | 81  | 7.2   | --  |
| 28... | 0930 | 81213  | 115  | --  | --   | --                                      | 6.5   | 81  | 7.7   | --  |
| JUL   |      |  |  |   |  |   |   |   |   |   |
| 13... | 0730 | 81213  | 126  | --  | --   | --                                      | 6.2   | 78  | 7.5   | --  |
| 20... | 1400 | 81213  | 89   | .6  | 6  | 3.8                                     | 7.7   | 101   | 7.6   | 7.9   |
| 27... | 0740 | 81213  | 201  | --  | --   | --                                      | 6.8   | 80  | 7.1   | --  |
| AUG   |      |  |  |   |  |   |   |   |   |   |
| 10... | 0820 | 81213  | 185  | .6  | 16   | 13                                      | 6.2   | 80  | 7.6   | 7.7   |
| SEP   |      |  |  |   |  |   |   |   |   |   |
| 14... | 0810 | 81213  | 132  | .8  | 14   | 12                                      | 7.0   | 84  | 7.6   | 7.6   |
| 21... | 0720 | 81213  | 121  | --  | --   | --                                      | 7.1   | 83  | 7.3   | --  |
| 28... | 0735 | 81213  | 343  | --  | --   | --                                      | 8.2   | 88  | 7.2   | --  |
| OCT   |      |  |  |   |  |   |   |   |   |   |
| 12... | 0900 | 81213  | 143  | .4  | 6  | 6.1                                     | 9.7   | 91  | 7.6   | 7.7   |
| NOV   |      |  |  |   |  |   |   |   |   |   |
| 01... | 0910 | 81213  | 115  | 1.7   | 6  | 4.0                                     | 7.9   | 82  | 7.0   | 7.6   |
| DEC   |      |  |  |   |  |   |   |   |   |   |
| 12... | 1120 | 81213  | 176  | .6  | 7  | 6.8                                     | 10.4  | 91  | 7.4   | 7.6   |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02208005 YELLOW RIVER NEAR STEWART, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |  |   |   |   |  |   |
| 19... | 114   | 115  | 5.0   | 8.0   | 29   | .05   | 1.0   | .020  | 3.7  | 90  |
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 03... | --  | 103  | 11.0  | 4.5   | --   | --  | --  | --  | --   | 130   |
| 09... | --  | 121  | 16.0  | 7.1   | --   | --  | --  | --  | --   | 230   |
| 14... | 58  | 55   | 19.5  | 11.0  | 15   | .08   | .4  | .440  | 5.1  | 9200  |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 27... | 106   | 102  | 16.5  | 16.4  | 27   | .05   | .8  | .030  | 1.6  | --  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 03... | 108   | 105  | 19.9  | 17.4  | 28   | .06   | .9  | .050  | 2.1  | --  |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 31... | 156   | 159  | 21.2  | 21.4  | 39   | .07   | .7  | .030  | 2.5  | 270   |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 20... | 227   | 232  | 29.5  | 25.2  | 54   | .07   | 1.4   | .030  | 2.1  | 50  |
| 22... | --  | 187  | 25.9  | 26.3  | --   | --  | --  | --  | --   | 20  |
| 28... | --  | 201  | 28.9  | 25.8  | --   | --  | --  | --  | --   | 260   |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 13... | --  | 245  | 26.0  | 26.3  | --   | --  | --  | --  | --   | 2400  |
| 20... | 212   | 216  | 36.7  | 29.1  | 52   | .05   | 1.1   | <.020   | 2.9  | 790   |
| 27... | --  | 139  | 21.0  | 23.5  | --   | --  | --  | --  | --   | 170   |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 10... | 158   | 159  | 23.3  | 27.6  | 41   | .06   | .8  | .040  | 2.9  | 330   |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 14... | 169   | 168  | 26.4  | 23.6  | 43   | .05   | .9  | .030  | 2.4  | 130   |
| 21... | --  | 189  | 21.9  | 22.5  | --   | --  | --  | --  | --   | <20   |
| 28... | --  | 63   | 14.2  | 18.7  | --   | --  | --  | --  | --   | 1100  |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 12... | 162   | 162  | 13.8  | 12.5  | 40   | .08   | 1.0   | <.020   | 3.0  | 130   |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 01... | 203   | 208  | 13.6  | 16.7  | 47   | .05   | 1.6   | .020  | 3.1  | --  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 12... | 153   | 155  | 9.3   | 9.1   | 35   | .06   | 1.3   | <.020   | 2.4  | --  |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02208005 YELLOW RIVER NEAR STEWART, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(CODE<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>CON-<br>DUCT-<br>ANCE<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|--|---|---|--|---|--|---|---|--|--|
| MAR<br>27... | 0945 | 81213  | 363   | 8.9   | 94   | 7.1   | 102  | 16.5  | 16.4  | 6.9  | 2.1  |
| AUG<br>10... | 0820 | 81213  | 185   | 6.2   | 80   | 7.6   | 159  | 23.3  | 27.6  | 9.3  | 3.4  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>27... | <1.0  | <2.0   | <.5  | 1.1   | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 3.9  |
| AUG<br>10... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 5.1  |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02209260 ALCOVY RIVER AT NEWTON FACTORY BRIDGE ROAD, NEAR STEWART, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°26'58", long 83°49'42", Newton County, Hydrologic Unit 03070103, at bridge on Newton Factory Bridge Road, 0.9 mile upstream from Bear Creek, 2.1 miles above mouth, and 2.6 miles northeast of Stewart.

**DRAINAGE AREA.**--250 mi<sup>2</sup>, approximately.

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

**REVISIONS.**--Previously published at "02209260 Alcovy River above Stewart, GA".

**REMARKS.**--Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey. 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>SOLVED<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |     |
|-------|------|---|---|---|---|---|---|--|--|-----|
| JAN   |      |   |   |   |   |   |   |  |  |     |
| 19... | 1040 | 81213   | 155   | .6  | 5   | 7.9                                     | 11.9  | 100  | 7.0  | 7.2 |
| FEB   |      |   |   |   |   |   |   |  |  |     |
| 03... | 1130 | 81213   | 240   | --  | --  | --                                      | 13.3  | 101  | 7.2  | --  |
| 09... | 1300 | 81213   | 155   | --  | --  | --                                      | 12.9  | 105  | 7.0  | --  |
| 14... | 1100 | 81213   | 510   | .8  | 25  | 38                                      | 10.4  | 95   | 7.1  | 7.2 |
| MAR   |      |   |   |   |   |   |   |  |  |     |
| 27... | 0900 | 81213   | 208   | .9  | 8   | 9.8                                     | 8.8   | 93   | 6.7  | 7.3 |
| APR   |      |   |   |   |   |   |   |  |  |     |
| 03... | 0845 | 81213   | 275   | 1.1   | 8   | 7.2                                     | 8.8   | 93   | 7.1  | 7.3 |
| MAY   |      |   |   |   |   |   |   |  |  |     |
| 31... | 1045 | 81213   | 30  | .9  | 8   | 6.0                                     | 8.4   | 101  | 7.6  | 7.4 |
| JUN   |      |   |   |   |   |   |   |  |  |     |
| 20... | 0745 | 81213   | 39  | .6  | 7   | 4.1                                     | 7.3   | 91   | 7.4  | 7.5 |
| 22... | 0750 | 81213   | 43  | --  | --  | --                                      | 6.3   | 80   | 7.1  | --  |
| 28... | 0900 | 81213   | 35  | --  | --  | --                                      | 6.9   | 86   | 7.3  | --  |
| JUL   |      |   |   |   |   |   |   |  |  |     |
| 13... | 0710 | 81213   | 6.0   | --  | --  | --                                      | 5.6   | 71   | 6.9  | --  |
| 20... | 1230 | 81213   | E15   | 1.2   | 38  | 18                                      | 7.3   | 98   | 7.7  | 7.4 |
| 27... | 0715 | 81213   | 31  | --  | --  | --                                      | 7.0   | 84   | 7.1  | --  |
| AUG   |      |   |   |   |   |   |   |  |  |     |
| 10... | 1030 | 81213   | 25  | .7  | 6   | 7.9                                     | 8.0   | 104  | 7.5  | 7.4 |
| SEP   |      |   |   |   |   |   |   |  |  |     |
| 14... | 1020 | 81213   | 56  | .8  | 3   | 5.5                                     | 8.0   | 96   | 7.5  | 7.3 |
| 21... | 0655 | 81213   | 55  | --  | --  | --                                      | 7.9   | 91   | 7.2  | --  |
| 28... | 0705 | 81213   | 174   | --  | --  | --                                      | 8.5   | 91   | 7.1  | --  |
| OCT   |      |   |   |   |   |   |   |  |  |     |
| 12... | 1000 | 81213   | 52  | .4  | 3   | 6.5                                     | 10.4  | 98   | 7.6  | 7.4 |
| NOV   |      |   |   |   |   |   |   |  |  |     |
| 01... | 0830 | 81213   | 66  | 1.6   | 4   | 4.2                                     | 8.6   | 88   | 7.0  | 7.4 |
| DEC   |      |   |   |   |   |   |   |  |  |     |
| 12... | 1030 | 81213   | 118   | .6  | 4   | 6.4                                     | 11.4  | 97   | 7.4  | 7.4 |



**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02209260 ALCOVY RIVER AT NEWTON FACTORY BRIDGE ROAD, NEAR STEWART, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 19... | 55  | 55  | 5.0   | 7.5   | 18   | .14   | .3  | <.020   | 2.5  | 50  |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 03... | --  | 51  | 9.5   | 3.5   | --   | --  | --  | --  | --   | 20  |
| 09... | --  | 58  | 15.0  | 6.1   | --   | --  | --  | --  | --   | 20  |
| 14... | 53  | 51  | 19.5  | 10.6  | 18   | .02   | .3  | .040  | 1.3  | 230   |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 27... | 53  | 54  | 16.1  | 16.6  | 18   | .03   | .2  | .020  | 1.9  | --  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 03... | 56  | 53  | 18.7  | 17.2  | 19   | .06   | .2  | <.020   | 2.2  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 31... | 66  | 66  | 24.4  | 24.4  | 25   | .08   | .3  | .020  | 2.2  | <20   |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 20... | 70  | 74  | 25.2  | 25.9  | 29   | .10   | .2  | <.020   | 2.3  | 110   |
| 22... | --  | 64  | 24.9  | 26.8  | --   | --  | --  | --  | --   | 20  |
| 28... | --  | 65  | 26.2  | 25.6  | --   | --  | --  | --  | --   | 50  |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 13... | --  | 63  | 26.0  | 26.6  | --   | --  | --  | --  | --   | 50  |
| 20... | 66  | 70  | 33.7  | 29.6  | 26   | .07   | .1  | .040  | 3.0  | 20  |
| 27... | --  | 67  | 20.9  | 24.1  | --   | --  | --  | --  | --   | 20  |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 10... | 62  | 61  | 27.9  | 28.3  | 18   | .04   | .2  | .020  | 2.2  | 20  |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 14... | 69  | 67  | 27.4  | 23.7  | 25   | .06   | .1  | <.020   | 2.5  | 80  |
| 21... | --  | 70  | 21.9  | 21.9  | --   | --  | --  | --  | --   | <20   |
| 28... | --  | 36  | 13.6  | 18.2  | --   | --  | --  | --  | --   | 20  |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 12... | 67  | 67  | 18.2  | 12.5  | 25   | .02   | .2  | <.020   | 2.9  | 130   |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 01... | 68  | 71  | 12.6  | 16.5  | 28   | .04   | <.020   | <.020   | 5.8  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 12... | 61  | 63  | 8.3   | 8.1   | 21   | .14   | .2  | <.020   | 2.5  | --  |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02209260 ALCOVY RIVER AT NEWTON FACTORY BRIDGE ROAD, NEAR STEWART, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>(PER-<br>FIELD<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|--|---|--|--|--|--|---|---|--|--|
| MAR<br>27... | 0900 | 81213  | 208   | 8.8  | 93   | 6.7  | 54   | 16.1  | 16.6  | 3.3  | 1.1  |
| AUG<br>10... | 1030 | 81213  | 25  | 8.0  | 104  | 7.5  | 61   | 27.9  | 28.3  | 4.3  | 1.3  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>27... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | <1.0   |
| AUG<br>10... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02209750 TUSSAHAW CREEK NEAR JACKSON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°22'43", long 83°57'49", Butts County, Hydrologic Unit 03070103, at the bridge on Butts County Road 290, 0.8 mile downstream from Peeksville Creek, and 5.8 miles north of Jackson.

**DRAINAGE AREA.**--59.2 mi<sup>2</sup>.

**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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>(PER-<br>FIELD<br>ARD<br>UNITS)<br>(00301) | PH<br>WATER<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|--|---|--|--|
| JAN   |      |   |   |   |   |   |  |   |  |  |
| 19... | 1235 | 81213   | 46  | 1.2   | 7   | 10                                      | 11.7   | 100   | 6.8  | 7.2  |
| FEB   |      |   |   |   |   |   |  |   |  |  |
| 03... | 1305 | 81213   | 63  | --  | --  | --                                      | 12.4   | 97  | 7.1  | --   |
| 09... | 1330 | 81213   | 47  | --  | --  | --                                      | 9.9  | 82  | 6.9  | --   |
| 14... | 1210 | 81213   | 170   | 1.9   | 240   | 220                                     | 10.2   | 95  | 6.8  | 6.7  |
| MAR   |      |   |   |   |   |   |  |   |  |  |
| 27... | 1155 | 81213   | 49  | .9  | 12  | 14                                      | 8.2  | 85  | 6.5  | 7.3  |
| APR   |      |   |   |   |   |   |  |   |  |  |
| 03... | 1015 | 81213   | 82  | 1.1   | 38  | 49                                      | 8.6  | 89  | 6.8  | 7.3  |
| MAY   |      |   |   |   |   |   |  |   |  |  |
| 31... | 0935 | 81213   | 7.5   | .9  | 9   | 14                                      | 8.2  | 89  | 7.3  | 7.3  |
| JUN   |      |   |   |   |   |   |  |   |  |  |
| 20... | 1145 | 81213   | 12  | .4  | 12  | 24                                      | 7.6  | 92  | 7.2  | 7.2  |
| 22... | 0855 | 81213   | 7.5   | --  | --  | --                                      | 7.2  | 86  | 6.8  | --   |
| 28... | 1100 | 81213   | 4.0   | --  | --  | --                                      | 7.3  | 87  | 7.2  | --   |
| JUL   |      |   |   |   |   |   |  |   |  |  |
| 13... | 0805 | 81213   | 13  | --  | --  | --                                      | 6.9  | 83  | 6.7  | --   |
| 20... | 1310 | 81213   | 55.0  | .5  | 5   | 9.9                                     | 6.9  | 89  | 7.5  | 7.3  |
| 27... | 0805 | 81213   | 2.0   | --  | --  | --                                      | 7.2  | 83  | 6.9  | --   |
| AUG   |      |   |   |   |   |   |  |   |  |  |
| 10... | 0935 | 81213   | 5.0   | .5  | 14  | 24                                      | 6.7  | 82  | 7.2  | 7.3  |
| SEP   |      |   |   |   |   |   |  |   |  |  |
| 14... | 0920 | 81213   | 13  | .6  | 8   | 12                                      | 7.4  | 86  | 7.2  | 7.2  |
| 21... | 0800 | 81213   | 9.0   | --  | --  | --                                      | 7.6  | 85  | 7.0  | --   |
| 28... | 0805 | 81213   | 12  | --  | --  | --                                      | 9.1  | 91  | 7.1  | --   |
| OCT   |      |   |   |   |   |   |  |   |  |  |
| 12... | 1105 | 81213   | 11  | .3  | 3   | 6.5                                     | 10.6   | 95  | 7.3  | 7.2  |
| NOV   |      |   |   |   |   |   |  |   |  |  |
| 01... | 0950 | 81213   | 12  | 2.6   | 4   | 7.3                                     | 8.0  | 80  | 6.9  | 7.3  |
| DEC   |      |   |   |   |   |   |  |   |  |  |
| 12... | 1330 | 81213   | 29  | .5  | 3   | 6.2                                     | 10.3   | 91  | 7.2  | 7.2  |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02209750 TUSSAHAW CREEK NEAR JACKSON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |  |   |   |   |  |   |
| 19... | 49  | 50   | 9.0   | 8.0   | 17   | .10   | .3  | <.020   | 3.5  | 110   |
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 03... | --  | 43   | 13.5  | 4.5   | --   | --  | --  | --  | --   | <20   |
| 09... | --  | 48   | 15.0  | 6.5   | --   | --  | --  | --  | --   | 70  |
| 14... | 40  | 38   | 19.5  | 11.3  | 10   | .06   | .3  | .160  | 2.9  | 1300  |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 27... | 46  | 47   | 18.0  | 15.6  | 17   | .10   | .2  | .020  | .90  | --  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 03... | 47  | 45   | 20.5  | 16.9  | 16   | .09   | .2  | .040  | 1.9  | --  |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 31... | 50  | 49   | 21.6  | 19.2  | 18   | .12   | .3  | <.020   | 2.0  | 50  |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 20... | 48  | 52   | 31.9  | 24.5  | 17   | .09   | .2  | .030  | 2.0  | 110   |
| 22... | --  | 49   | 26.8  | 23.8  | --   | --  | --  | --  | --   | 330   |
| 28... | --  | 54   | 29.6  | 24.0  | --   | --  | --  | --  | --   | 110   |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 13... | --  | 51   | 26.2  | 23.8  | --   | --  | --  | --  | --   | 2400  |
| 20... | 57  | 59   | 36.1  | 27.7  | 22   | .09   | .2  | <.020   | 1.6  | 70  |
| 27... | --  | 54   | 21.6  | 21.9  | --   | --  | --  | --  | --   | 490   |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 10... | 53  | 53   | 25.5  | 24.8  | 19   | .08   | .2  | .020  | 1.6  | 490   |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 14... | 53  | 53   | 27.2  | 22.0  | 19   | .08   | .2  | .020  | 1.4  | 790   |
| 21... | --  | 53   | 23.0  | 20.7  | --   | --  | --  | --  | --   | <20   |
| 28... | --  | 36   | 14.5  | 14.9  | --   | --  | --  | --  | --   | 130   |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 12... | 51  | 49   | 19.2  | 10.5  | 18   | .06   | .2  | <.020   | 2.0  | 110   |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 01... | 55  | 55   | 18.7  | 15.1  | 21   | .06   | <.020   | <.020   | 5.5  | --  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 12... | 52  | 54   | 9.0   | 9.8   | 17   | .09   | .2  | <.020   | 1.7  | --  |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02209750 TUSSAHAW CREEK NEAR JACKSON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|--|--|--|---|---|--|--|
| MAR<br>27... | 1155 | 81213   | 49  | 8.2   | 85   | 6.5  | 47   | 18.0  | 15.6  | 2.6  | 1.2  |
| AUG<br>10... | 0935 | 81213   | 5.0   | 6.7   | 82   | 7.2  | 53   | 25.5  | 24.8  | 3.2  | 1.4  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>27... | <1.0  | <2.0   | <.5  | <1.0  | 1.1  | <1.0   | <.1  | <1.0   | 2.1   | <2.0  | 2.0  |
| AUG<br>10... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 4.7  |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02212950 OCMULGEE RIVER ABOVE MACON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°52'11", long 83°39'15", Bibb County, Hydrologic Unit 03070103, 1.5 miles upstream of the Interstate Highway 16 bridge, 3.0 miles downstream from Town Creek, at Macon, and at mile 201.0.

**DRAINAGE AREA.**--2,240 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--July 1974 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. 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 (02210000).

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>FIELD<br>STAND-<br>ARD<br>UNITS<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>STAND-<br>ARD<br>UNITS<br>(00403) |     |
|-------|------|---|---|---|---|---|---|--|--|-----|
| JAN   |      |   |   |   |   |   |   |  |  |     |
| 06... | 1030 | 81341   | 1690  | <2.0  | 7   | 6.0                                     | 10.9  | 93   | 7.5  | 7.5 |
| 31... | 1345 | 81341   | 3410  | <2.0  | 20  | 34                                      | 12.6  | 102  | 6.9  | 7.2 |
| FEB   |      |   |   |   |   |   |   |  |  |     |
| 22... | 1450 | 81341   | 1620  | <2.0  | 6   | 19                                      | 11.5  | 107  | 6.9  | 7.4 |
| 29... | 1405 | 81213   | 1560  | --  | --  | --                                      | 10.6  | 103  | 7.3  | --  |
| MAR   |      |   |   |   |   |   |   |  |  |     |
| 07... | 1415 | 81213   | 1020  | --  | --  | --                                      | 10.3  | 106  | 7.5  | --  |
| 08... | 1500 | 81213   | 743   | --  | --  | --                                      | 9.4   | 98   | 7.6  | --  |
| 14... | 1410 | 81341   | 1910  | <2.0  | 12  | 11                                      | 10.2  | 101  | 7.3  | 7.5 |
| APR   |      |   |   |   |   |   |   |  |  |     |
| 18... | 1340 | 81341   | 724   | <2.0  | 4   | 5.0                                     | 8.8   | 98   | 7.3  | 7.3 |
| MAY   |      |   |   |   |   |   |   |  |  |     |
| 16... | 1330 | 81341   | 451   | <2.0  | 3   | 2.0                                     | 7.8   | 100  | 7.4  | 7.6 |
| 23... | 1330 | 81213   | 514   | --  | --  | --                                      | 7.6   | 99   | 7.5  | --  |
| JUN   |      |   |   |   |   |   |   |  |  |     |
| 06... | 1245 | 81213   | 356   | --  | --  | --                                      | 7.5   | 99   | 7.7  | --  |
| 13... | 1300 | 81341   | 327   | <2.0  | 2   | 1.0                                     | 8.0   | 110  | 7.9  | 7.7 |
| 13... | 1301 | 81213   | 327   | --  | --  | --                                      | 8.0   | 110  | 7.9  | --  |
| JUL   |      |   |   |   |   |   |   |  |  |     |
| 11... | 1130 | 81341   | 339   | <2.0  | 4   | 2.0                                     | 6.8   | 98   | 7.4  | 7.6 |
| AUG   |      |   |   |   |   |   |   |  |  |     |
| 29... | 1255 | 81341   | 411   | <2.0  | 15  | 5.0                                     | 6.8   | 91   | 7.4  | 7.8 |
| SEP   |      |   |   |   |   |   |   |  |  |     |
| 05... | 1310 | 81213   | 3280  | --  | --  | --                                      | 6.9   | 88   | 7.5  | --  |
| 11... | 1315 | 81341   | 1230  | <2.0  | 8   | 8.0                                     | 7.5   | 95   | 7.6  | 7.6 |
| 18... | 1310 | 81213   | 442   | --  | --  | --                                      | 7.7   | 91   | 7.6  | --  |
| 20... | 1135 | 81213   | 428   | --  | --  | --                                      | 7.7   | 96   | 7.5  | --  |
| OCT   |      |   |   |   |   |   |   |  |  |     |
| 03... | 1400 | 81213   | 437   | --  | --  | --                                      | 7.9   | 97   | 7.7  | --  |
| 10... | 1245 | 81341   | 645   | <2.0  | 7   | 5.0                                     | 9.0   | 94   | 7.4  | 7.8 |
| NOV   |      |   |   |   |   |   |   |  |  |     |
| 14... | 1455 | 81213   | 538   | --  | --  | --                                      | 9.0   | 93   | 7.5  | --  |
| 14... | 1456 | 81341   | 538   | <2.0  | 5   | 3.0                                     | 9.0   | 93   | 7.5  | 7.4 |
| DEC   |      |   |   |   |   |   |   |  |  |     |
| 21... | 1130 | 81341   | 2020  | <2.0  | 11  | 11                                      | 12.5  | 98   | 7.5  | 7.5 |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02212950 OCMULGEE RIVER ABOVE MACON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |  |   |   |   |  |   |
| 06... | 124   | 126  | 7.0   | 8.6   | 29   | .06   | .7  | .040  | 2.6  | --  |
| 31... | 83  | 85   | 5.0   | 6.0   | 17   | .06   | .5  | .060  | 3.5  | --  |
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 22... | 100   | 99   | 20.0  | 12.0  | 21   | <.03  | .7  | .040  | 2.1  | 20  |
| 29... | --  | 98   | 21.0  | 14.0  | --   | --  | --  | --  | --   | 50  |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 07... | --  | 108  | 26.0  | 16.5  | --   | --  | --  | --  | --   | 20  |
| 08... | --  | 106  | 27.0  | 17.5  | --   | --  | --  | --  | --   | --  |
| 14... | 103   | 103  | 18.0  | 15.0  | 23   | <.03  | .4  | .024  | 2.7  | 130   |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 18... | 103   | 104  | 22.0  | 20.0  | 24   | .03   | .4  | .020  | 4.0  | --  |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 16... | 122   | 119  | 27.0  | 28.0  | 39   | <.03  | .4  | <.020   | 3.1  | 20  |
| 23... | --  | 125  | 31.5  | 28.5  | --   | --  | --  | --  | --   | 20  |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 06... | --  | 139  | 27.5  | 29.5  | --   | --  | --  | --  | --   | 460   |
| 13... | 146   | 141  | 36.0  | 33.0  | 34   | <.03  | .3  | <.020   | 3.7  | 270   |
| 13... | --  | 141  | 36.0  | 33.0  | --   | --  | --  | --  | --   | --  |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 11... | 163   | 164  | 35.0  | 34.5  | 37   | .03   | .2  | <.020   | 3.3  | 180   |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 29... | 177   | 172  | 30.5  | 30.0  | 72   | <.03  | .4  | .030  | 4.2  | 80  |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 05... | --  | 129  | 30.0  | 27.0  | --   | --  | --  | --  | --   | 70  |
| 11... | 132   | 140  | 30.0  | 27.5  | 32   | <.03  | .4  | .020  | 4.2  | 180   |
| 18... | --  | 143  | 16.0  | 23.0  | --   | --  | --  | --  | --   | 20  |
| 20... | --  | 146  | 32.5  | 26.0  | --   | --  | --  | --  | --   | 50  |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 03... | --  | 155  | 32.2  | 25.7  | --   | --  | --  | --  | --   | 110   |
| 10... | 145   | 140  | 14.5  | 17.5  | 31   | .13   | .4  | .020  | 4.3  | 90  |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 14... | --  | 161  | 15.0  | 16.5  | --   | --  | --  | --  | --   | --  |
| 14... | 166   | 161  | 15.0  | 16.5  | 32   | <.03  | .6  | .020  | 2.8  | --  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 21... | 139   | 136  | 1.0   | 5.0   | --   | .07   | .7  | .020  | 3.4  | --  |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02212950 OCMULGEE RIVER ABOVE MACON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE | TIME  | AGENCY<br>ANALYZING<br>SAMPLE<br>NUMBER<br>(CODE<br>00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>(MG/L)<br>SOLVED<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |     |
|------|-------|--|---|---|---|--|--|---|---|--|--|-----|
| MAR  | 08... | 1500   | 81213   | 743   | 9.4   | 98   | 7.6  | 106   | 27.0  | 17.5   | 7.1  | 2.0 |
| JUN  | 13... | 1301   | 81213   | 327   | 8.0   | 110  | 7.9  | 141   | 36.0  | 33.0   | 10   | 2.5 |
| NOV  | 14... | 1455   | 81213   | 538   | 9.0   | 93   | 7.5  | 161   | 15.0  | 16.5   | 11   | 2.4 |

| DATE | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |     |
|------|---|--|--|---|--|--|--|--|---|---|--|-----|
| MAR  | 08...   | <1.0   | <2.0   | <.5   | <1.0   | 1.1  | <1.0   | <.1  | <1.0  | <2.0  | <2.0   | 1.2 |
| JUN  | 13...   | <1.0   | 2.6  | <.5   | 2.8  | <1.0   | 2.1  | <.1  | 1.5   | <2.0  | <2.0   | 7.4 |
| NOV  | 14...   | <1.0   | <4.0   | <.5   | <1.0   | <2.0   | <2.0   | <.1  | <1.0  | <4.0  | <2.0   | 15  |



**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°40'17", long 83°36'11", Bibb-Twiggs County line, Hydrologic Unit 03070103, on right bank 0.8 mile upstream from Echeconnee Creek, 5.7 miles downstream from Tobesofkee Creek, and 4.0 miles northeast of Warner Robins.

**DRAINAGE AREA.**--2,690 mi<sup>2</sup>, approximately.

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

**PERIOD OF CONTINUOUS WATER-QUALITY RECORD.**--

**SPECIFIC CONDUCTANCE:** October 1970 to current year.

**pH:** October 1971 to current year.

**WATER TEMPERATURE:** February 1970 to current year.

**DISSOLVED OXYGEN:** May 1970 to current year.

**REMARKS.**--Continuous water-quality data for this station are available in a separate theme of this report. 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 Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>NUMBER<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | COLOR<br>(PLAT-<br>INUM-<br>COBALT<br>UNITS)<br>(00080) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) |
|-------|------|--|---|---|---|---|---|--|---|--|--|---|--|
| JAN   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 06... | 1300 | 81341  | E1690   | <2.0  | 25  | 16  | 11                                      | 10.6   | 96.0  | 7.2  | 7.3  | 152   | 153  |
| 31... | 1145 | 81341  | E3360   | <2.0  | 55  | 26  | 36                                      | 11.9   | 94.9  | 6.7  | 7.3  | 95  | 98   |
| FEB   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 22... | 1335 | 81341  | E1480   | <2.0  | 40  | 14  | 17                                      | 10.8   | 97.5  | 6.8  | 7.3  | 127   | 128  |
| 29... | 1250 | 81213  | E1270   | --  | --  | --  | --                                      | 9.5  | 92.4  | 6.9  | --   | --  | 136  |
| MAR   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 07... | 1315 | 81213  | E1120   | --  | --  | --  | --                                      | 9.2  | 92.2  | 7.2  | --   | --  | 131  |
| 14... | 1250 | 81341  | E1740   | <2.0  | 65  | 15  | 18                                      | 9.0  | 87.3  | 7.1  | 7.3  | 117   | 120  |
| APR   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 18... | 1205 | 81341  | E732  | <2.0  | 40  | 7   | 10                                      | 7.7  | 85.9  | 7.3  | 7.1  | 143   | 146  |
| MAY   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 16... | 1205 | 81341  | E461  | <2.0  | 10  | 5   | 5.0                                     | 7.0  | 86.6  | 7.2  | 7.5  | 180   | 180  |
| 23... | 1210 | 81213  | E514  | --  | --  | --  | --                                      | 6.7  | 86.7  | 7.4  | --   | --  | 191  |
| JUN   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 06... | 1110 | 81213  | E370  | --  | --  | --  | --                                      | 6.8  | 86.9  | 7.3  | --   | --  | 222  |
| 13... | 1050 | 81341  | E304  | <2.0  | 20  | 6   | 6.0                                     | 6.8  | 87.4  | 7.6  | 7.6  | 248   | 250  |
| 13... | 1051 | 81213  | E304  | --  | --  | --  | --                                      | 6.8  | 87.7  | 7.6  | --   | --  | 250  |
| JUL   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 11... | 1000 | 81341  | E341  | <2.0  | 15  | 7   | 6.0                                     | 6.5  | 86.7  | 7.4  | 7.6  | 240   | 241  |
| AUG   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 29... | 1140 | 81341  | E409  | <2.0  | 15  | 12  | 9.0                                     | 6.5  | 83.9  | 7.3  | 7.5  | 228   | 224  |
| SEP   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 05... | 1215 | 81213  | E3360   | --  | --  | --  | --                                      | 6.1  | 77.4  | 7.1  | --   | --  | 144  |
| 11... | 1135 | 81341  | E889  | <2.0  | 25  | 21  | 14                                      | 6.5  | 80.1  | 7.4  | 7.4  | 156   | 167  |
| 18... | 1220 | 81213  | E440  | --  | --  | --  | --                                      | 6.8  | 80.1  | 7.3  | --   | --  | 193  |
| 20... | 1000 | 81213  | E429  | --  | --  | --  | --                                      | 7.2  | 85.3  | 7.3  | --   | --  | 210  |
| OCT   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 03... | 1145 | 81213  | E434  | --  | --  | --  | --                                      | 7.2  | 84.6  | 7.4  | --   | --  | 214  |
| 10... | 1135 | 81341  | E691  | <2.0  | 10  | 10  | 7.0                                     | 8.2  | 84.5  | 7.2  | 7.4  | 187   | 183  |
| NOV   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 14... | 1335 | 81213  | E556  | --  | --  | --  | --                                      | 9.0  | 92.1  | 7.5  | --   | --  | 210  |
| 14... | 1336 | 81341  | E556  | <2.0  | 10  | 11  | 6.0                                     | 9.0  | 92.1  | 7.5  | 7.6  | 214   | 210  |
| DEC   |      |  |   |   |   |   |   |  |   |  |  |   |  |
| 21... | 1030 | 81341  | E2110   | <2.0  | 70  | 26  | 19                                      | 11.5   | 89.9  | 7.4  | 7.2  | 145   | 142  |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|--|--|---|---|--|---|
| JAN   |   |   |  |  |   |   |  |   |
| 06... | 12.0  | 11.1  | 30   | <.03   | .9  | .070  | 2.6  | --  |
| 31... | 2.0   | 5.5   | 21   | .06  | .6  | .080  | 3.8  | --  |
| FEB   |   |   |  |  |   |   |  |   |
| 22... | 19.0  | 11.0  | 26   | <.03   | 1.0   | .081  | 2.5  | 140   |
| 29... | 21.0  | 14.0  | --   | --   | --  | --  | --   | 80  |
| MAR   |   |   |  |  |   |   |  |   |
| 07... | 26.0  | 15.5  | --   | --   | --  | --  | --   | <20   |
| 14... | 18.0  | 14.0  | 25   | <.03   | .7  | .074  | 3.9  | 330   |
| APR   |   |   |  |  |   |   |  |   |
| 18... | 20.0  | 20.0  | 29   | .04  | 1.0   | .090  | 3.6  | --  |
| MAY   |   |   |  |  |   |   |  |   |
| 16... | 26.0  | 26.0  | 35   | <.03   | 1.1   | .140  | 4.1  | 230   |
| 23... | 30.0  | 28.0  | --   | --   | --  | --  | --   | 50  |
| JUN   |   |   |  |  |   |   |  |   |
| 06... | 27.0  | 27.5  | --   | --   | --  | --  | --   | 230   |
| 13... | 31.5  | 28.5  | 41   | <.03   | 1.8   | .170  | 5.0  | 70  |
| 13... | 31.5  | 28.5  | --   | --   | --  | --  | --   | --  |
| JUL   |   |   |  |  |   |   |  |   |
| 11... | 31.0  | 30.0  | 44   | .08  | 1.9   | .220  | 4.7  | 20  |
| AUG   |   |   |  |  |   |   |  |   |
| 29... | 28.0  | 28.0  | 36   | .04  | 1.3   | .130  | 4.4  | 460   |
| SEP   |   |   |  |  |   |   |  |   |
| 05... | 26.5  | 27.0  | --   | --   | --  | --  | --   | 140   |
| 11... | 29.4  | 26.0  | 35   | <.03   | .9  | .070  | 5.2  | 260   |
| 18... | 17.5  | 23.0  | --   | --   | --  | --  | --   | 80  |
| 20... | 26.5  | 23.5  | --   | --   | --  | --  | --   | <20   |
| OCT   |   |   |  |  |   |   |  |   |
| 03... | 31.0  | 23.4  | --   | --   | --  | --  | --   | 230   |
| 10... | 13.5  | 17.0  | 35   | .03  | 1.0   | .090  | 5.3  | 210   |
| NOV   |   |   |  |  |   |   |  |   |
| 14... | 15.0  | 16.0  | --   | --   | --  | --  | --   | --  |
| 14... | 15.0  | 16.0  | 34   | <.03   | 1.4   | .080  | 3.0  | --  |
| DEC   |   |   |  |  |   |   |  |   |
| 21... | -1.0  | 5.0   | --   | .06  | .8  | .050  | 4.0  | --  |

| DATE | TIME  | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) |      |
|------|-------|---|---|---|---|--|--|---|---|--|--|---|--|------|
| JUN  | 13... | 1051  | 81213   | E304  | 6.8   | 87.7   | 7.6  | 250   | 31.5  | 28.5   | 12   | 2.6   | <1.0   | 2.3  |
| NOV  | 14... | 1335  | 81213   | E556  | 9.0   | 92.1   | 7.5  | 210   | 15.0  | 16.0   | 11   | 2.5   | <1.0   | <4.0 |

| DATE | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |     |
|------|--|---|--|--|--|--|---|---|--|-----|
| JUN  | 13...  | <.5   | <1.0   | <1.0   | <1.0   | <.1  | <1.0  | <2.0  | <2.0   | 8.2 |
| NOV  | 14...  | <.5   | <1.0   | <2.0   | <2.0   | <.1  | <1.0  | <4.0  | <2.0   | 5.7 |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02215500 OCMULGEE RIVER AT LUMBER CITY, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 31°55'06", long 82°40'26", Telfair-Jeff Davis County line, Hydrologic Unit 03070104, at bridge on US Highway 341, 500 feet downstream from Southern Railway bridge, 1.0 mile upstream from Little Ocmulgee River, 12.0 miles upstream from confluence with Oconee River, and, at Lumber City.

**DRAINAGE AREA.**--5,180 mi<sup>2</sup>, approximately.

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

**REMARKS.**--Gage is located near the left bank on the downstream end of the bridge pier on U.S. Highway 341. 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | COLOR<br>(PLAT-<br>INUM-<br>COBALT<br>UNITS)<br>(00080) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|--|---|---|---|---|---|---|---|--|--|
| JAN   |      |  |   |   |   |   |   |   |   |  |  |
| 19... | 1245 | 81341  | 3780  | <2.0  | 55  | 76  | 38                                      | 9.6   | 88  | 7.4  | 7.2  |
| FEB   |      |  |   |   |   |   |   |   |   |  |  |
| 02... | 1240 | 81213  | 6070  | --  | --  | --  | --                                      | 11.4  | 90  | 7.0  | --   |
| 09... | 1145 | 81341  | 5340  | --  | --  | --  | --                                      | 11.1  | 93  | 7.2  | --   |
| 16... | 1230 | 81341  | 3890  | <2.0  | 60  | 37  | 24                                      | 9.4   | 90  | 7.1  | 7.4  |
| MAR   |      |  |   |   |   |   |   |   |   |  |  |
| 15... | 1330 | 81341  | 2930  | <2.0  | 30  | 18  | 13                                      | 9.5   | 99  | 7.2  | 7.7  |
| 15... | 1335 | 81213  | 2930  | --  | --  | --  | --                                      | 9.5   | 99  | 7.2  | --   |
| APR   |      |  |   |   |   |   |   |   |   |  |  |
| 19... | 1130 | 81341  | 3080  | <2.0  | 45  | 25  | 18                                      | 7.7   | 86  | 7.8  | 7.1  |
| MAY   |      |  |   |   |   |   |   |   |   |  |  |
| 24... | 1130 | 81341  | 1470  | <2.0  | 10  | 7   | 4.0                                     | 7.6   | 98  | 8.1  | 8.1  |
| 31... | 1140 | 81213  | 1360  | --  | --  | --  | --                                      | 8.2   | 103   | 7.9  | --   |
| JUN   |      |  |   |   |   |   |   |   |   |  |  |
| 07... | 1120 | 81213  | 1250  | --  | --  | --  | --                                      | 7.2   | 90  | 7.7  | --   |
| 21... | 1215 | 81341  | 1110  | <2.0  | 55  | 12  | 6.0                                     | 7.2   | 96  | 8.1  | 8.1  |
| JUL   |      |  |   |   |   |   |   |   |   |  |  |
| 12... | 1215 | 81341  | 1080  | <2.0  | 5   | 9   | 4.0                                     | 7.0   | 93  | 8.1  | 8.0  |
| AUG   |      |  |   |   |   |   |   |   |   |  |  |
| 30... | 1515 | 81341  | 906   | <2.0  | 15  | 8   | 4.0                                     | 7.1   | 92  | 7.7  | 8.1  |
| 30... | 1516 | 81213  | 906   | --  | --  | --  | --                                      | 7.1   | 92  | 7.7  | --   |
| SEP   |      |  |   |   |   |   |   |   |   |  |  |
| 07... | 1150 | 81213  | 2570  | --  | --  | --  | --                                      | 6.8   | 80  | 7.0  | --   |
| 13... | 1120 | 81213  | 2720  | --  | --  | --  | --                                      | 6.8   | 85  | 6.9  | --   |
| 20... | 1330 | 81341  | 1480  | <2.0  | 110   | 21  | 13                                      | 7.5   | 90  | 7.4  | 7.7  |
| OCT   |      |  |   |   |   |   |   |   |   |  |  |
| 03... | 1200 | 81213  | 1930  | --  | --  | --  | --                                      | 7.6   | 88  | 7.2  | --   |
| 16... | 1215 | 81213  | 1380  | --  | --  | --  | --                                      | 8.7   | 95  | 7.3  | --   |
| 18... | 1230 | 81341  | 1290  | <2.0  | 30  | 26  | 8.0                                     | 8.8   | 96  | 7.5  | 7.7  |
| NOV   |      |  |   |   |   |   |   |   |   |  |  |
| 15... | 1415 | 81341  | 1310  | <2.0  | 10  | 12  | 4.0                                     | 9.6   | 98  | 7.7  | 7.5  |
| DEC   |      |  |   |   |   |   |   |   |   |  |  |
| 12... | 1445 | 81341  | 1740  | <2.0  | 25  | 12  | 7.0                                     | 10.6  | 99  | 7.5  | 7.5  |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02215500 OCMULGEE RIVER AT LUMBER CITY, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |  |   |   |   |  |   |
| 19... | 114   | 113  | 13.1  | 11.4  | 25   | .08   | .7  | .120  | 3.2  | 170   |
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 02... | --  | 84   | 10.3  | 5.6   | --   | --  | --  | --  | --   | 460   |
| 09... | --  | 97   | 14.2  | 7.6   | --   | --  | --  | --  | --   | <20   |
| 16... | 117   | 118  | 22.8  | 13.5  | 32   | .05   | .6  | .064  | 4.6  | 130   |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 15... | 137   | 138  | 25.2  | 17.7  | 41   | .04   | .6  | .051  | 4.6  | --  |
| 15... | --  | 138  | 25.2  | 17.7  | --   | --  | --  | --  | --   | --  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 19... | 126   | 127  | 23.4  | 20.4  | 39   | .04   | .5  | .060  | 4.7  | --  |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 24... | 173   | 178  | 33.6  | 27.7  | 54   | <.03  | .4  | .030  | 2.5  | <20   |
| 31... | --  | 184  | 30.5  | 27.0  | --   | --  | --  | --  | --   | <20   |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 07... | --  | 178  | 28.0  | 26.8  | --   | --  | --  | --  | --   | <20   |
| 21... | 185   | 190  | 34.7  | 30.5  | 57   | <.03  | .6  | .040  | 3.5  | <20   |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 12... | 182   | 180  | 34.1  | 29.7  | 56   | <.03  | .4  | .030  | 3.5  | <20   |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 30... | 211   | 213  | 29.5  | 28.5  | 63   | .03   | .5  | .030  | 3.1  | <20   |
| 30... | --  | 213  | 29.5  | 28.5  | --   | --  | --  | --  | --   | --  |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 07... | --  | 144  | 22.5  | 23.2  | --   | --  | --  | --  | --   | 110   |
| 13... | --  | 141  | 31.2  | 26.2  | --   | --  | --  | --  | --   | E50   |
| 20... | 150   | 160  | 31.6  | 24.4  | 48   | <.03  | .6  | .060  | 4.9  | 20  |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 03... | --  | 153  | 29.2  | 23.1  | --   | --  | --  | --  | --   | 50  |
| 16... | --  | 174  | 29.6  | 19.5  | --   | --  | --  | --  | --   | 80  |
| 18... | 181   | 180  | 27.7  | 19.6  | 49   | <.03  | .7  | .050  | 3.3  | <20   |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 15... | 200   | 196  | 17.0  | 16.2  | 47   | <.03  | .8  | .060  | 1.8  | 20  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 12... | 160   | 152  | 19.5  | 12.4  | --   | .02   | .7  | .040  | 3.7  | 50  |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02215500 OCMULGEE RIVER AT LUMBER CITY, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, (PER-CENT SATUR-ATION) (00301) | PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400) | SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095) | TEMPER-ATURE AIR (DEG C) (00020) | TEMPER-ATURE WATER (DEG C) (00010) | CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916) | MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927) |
|-----------|------|--|---|-----------------------------------|--|--|---|----------------------------------|------------------------------------|---|---|
| MAR 15... | 1335 | 81213                                  | 2930  | 9.5                               | 99                                     | 7.2  | 138                                     | 25.2                             | 17.7                               | 16  | 1.7   |
| AUG 30... | 1516 | 81213                                  | 906   | 7.1                               | 92                                     | 7.7  | 213                                     | 29.5                             | 28.5                               | 21  | 2.0   |

| DATE      | ANTI-MONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | THAL-IUM, TOTAL (UG/L AS TL) (01059) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) |
|-----------|---------------------------------------|------------------------------------|--|--|---|---|---|---|---------------------------------------|--------------------------------------|---|
| MAR 15... | 1.5                                   | <2.0                               | <.5  | 1.1  | <1.0  | 1.6   | <.1   | <1.0  | <2.0                                  | <2.0                                 | 4.8   |
| AUG 30... | <1.0                                  | <4.0                               | <.5  | <1.0   | <2.0  | <2.0  | <.1   | <1.0  | <4.0                                  | <2.0                                 | 3.3   |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02218000 OCONEE RIVER NEAR WATKINSVILLE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°51'21", long 83°19'35", Oconee-Clarke County line, Hydrologic Unit 03070101, at bridge on Barnett Shoals Road 4.0 miles east of Watkinsville.

**DRAINAGE AREA.**--783 mi<sup>2</sup>.

**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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(000028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(000061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>(PER-<br>CENT)<br>(00301) | PH<br>WATER<br>FIELD<br>ARD<br>(STAND-<br>ARDS)<br>(00400) | PH<br>WATER<br>LAB<br>ARD<br>(STAND-<br>ARDS)<br>(00403) |
|-------|------|--|--|---|--|---|---|--|--|--|
| JAN   |      |  |  |   |  |   |   |  |  |  |
| 19... | 0815 | 81213  | 627  | 1.4   | 32   | 23                                      | 12.0  | 97   | 7.0  | 7.3  |
| FEB   |      |  |  |   |  |   |   |  |  |  |
| 03... | 0915 | 81213  | 841  | --  | --   | --                                      | 13.0  | 98   | 7.1  | --   |
| 09... | 1000 | 81213  | 659  | --  | --   | --                                      | 12.8  | 101  | 6.8  | --   |
| 14... | 0840 | 81213  | 1880   | 3.1   | 260  | 230                                     | 10.7  | 95   | 6.9  | 6.9  |
| MAR   |      |  |  |   |  |   |   |  |  |  |
| 27... | 1400 | 81213  | 758  | 1.0   | 16   | 16                                      | 7.9   | 83   | 7.0  | 7.5  |
| APR   |      |  |  |   |  |   |   |  |  |  |
| 03... | 0640 | 81213  | 1550   | 1.6   | 110  | 70                                      | 9.0   | 95   | 7.0  | 7.4  |
| MAY   |      |  |  |   |  |   |   |  |  |  |
| 31... | 1250 | 81213  | 199  | 1.8   | 19   | 14                                      | 7.8   | 94   | 7.5  | 7.3  |
| JUN   |      |  |  |   |  |   |   |  |  |  |
| 20... | 1435 | 81213  | 561  | .9  | 19   | 18                                      | 7.1   | 91   | 7.3  | 7.4  |
| 22... | 0630 | 81213  | 581  | --  | --   | --                                      | 5.9   | 73   | 6.9  | --   |
| 28... | 0715 | 81213  | 462  | --  | --   | --                                      | 6.3   | 77   | 7.4  | --   |
| JUL   |      |  |  |   |  |   |   |  |  |  |
| 13... | 0625 | 81213  | 471  | --  | --   | --                                      | 4.8   | 60   | 6.9  | --   |
| 20... | 1100 | 81213  | 365  | 1.2   | 3  | 2.6                                     | 7.2   | 90   | 6.8  | 7.4  |
| 27... | 0615 | 81213  | 490  | --  | --   | --                                      | 4.7   | 56   | 6.8  | --   |
| AUG   |      |  |  |   |  |   |   |  |  |  |
| 10... | 1250 | 81213  | 423  | 1.2   | 32   | 25                                      | 6.1   | 81   | 7.4  | 7.3  |
| SEP   |      |  |  |   |  |   |   |  |  |  |
| 14... | 1230 | 81213  | 134  | 1.7   | 12   | 8.5                                     | 6.5   | 81   | 7.4  | 7.3  |
| 21... | 0605 | 81213  | 398  | --  | --   | --                                      | 6.3   | 74   | 7.0  | --   |
| 28... | 0615 | 81213  | 576  | --  | --   | --                                      | 7.9   | 83   | 7.0  | --   |
| OCT   |      |  |  |   |  |   |   |  |  |  |
| 12... | 0730 | 81213  | 499  | 1.0   | 4  | 5.7                                     | 8.6   | 80   | 7.2  | 7.5  |
| NOV   |      |  |  |   |  |   |   |  |  |  |
| 01... | 0645 | 81213  | 485  | 1.9   | 5  | 3.8                                     | 6.9   | 70   | 6.8  | 7.3  |
| DEC   |      |  |  |   |  |   |   |  |  |  |
| 12... | 0830 | 81213  | 527  | 1.2   | 7  | 6.9                                     | 10.4  | 89   | 7.3  | 7.3  |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02218000 OCONEE RIVER NEAR WATKINSVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|---|---|---|---|--|---|
| JAN   |   |   |   |   |   |   |   |   |  |   |
| 19... | 90  | 93  | .0  | 6.0   | 22  | .41   | 1.2   | .150  | 5.8  | 80  |
| FEB   |   |   |   |   |   |   |   |   |  |   |
| 03... | --  | 90  | - .5  | 3.3   | --  | --  | --  | --  | --   | 80  |
| 09... | --  | 93  | 13.5  | 5.1   | --  | --  | --  | --  | --   | <20   |
| 14... | 65  | 64  | 13.5  | 9.3   | 17  | .22   | .6  | .430  | 2.9  | 2400  |
| MAR   |   |   |   |   |   |   |   |   |  |   |
| 27... | 72  | 70  | 18.5  | 16.0  | 21  | .07   | .9  | .080  | 1.9  | --  |
| APR   |   |   |   |   |   |   |   |   |  |   |
| 03... | 72  | 72  | 16.5  | 16.8  | 22  | .08   | .8  | .160  | 1.7  | --  |
| MAY   |   |   |   |   |   |   |   |   |  |   |
| 31... | 104   | 102   | 26.6  | 24.3  | 27  | .16   | 1.3   | .200  | 2.9  | 60  |
| JUN   |   |   |   |   |   |   |   |   |  |   |
| 20... | 106   | 109   | 31.8  | 27.9  | 26  | .22   | 1.4   | .320  | 2.4  | 230   |
| 22... | --  | 93  | 21.5  | 24.8  | --  | --  | --  | --  | --   | 330   |
| 28... | --  | 124   | 24.3  | 24.9  | --  | --  | --  | --  | --   | 170   |
| JUL   |   |   |   |   |   |   |   |   |  |   |
| 13... | --  | 166   | 20.5  | 26.0  | --  | --  | --  | --  | --   | 490   |
| 20... | 166   | 171   | 31.7  | 26.3  | 32  | .13   | 1.7   | .630  | 2.3  | 80  |
| 27... | --  | 238   | 17.7  | 23.5  | --  | --  | --  | --  | --   | 170   |
| AUG   |   |   |   |   |   |   |   |   |  |   |
| 10... | 123   | 124   | 33.0  | 29.0  | 26  | .19   | 1.3   | .450  | 2.6  | 230   |
| SEP   |   |   |   |   |   |   |   |   |  |   |
| 14... | 147   | 146   | 30.1  | 25.6  | 32  | .35   | 1.4   | .560  | 2.4  | 40  |
| 21... | --  | 153   | 22.4  | 23.1  | --  | --  | --  | --  | --   | <20   |
| 28... | --  | 60  | 13.3  | 18.0  | --  | --  | --  | --  | --   | 330   |
| OCT   |   |   |   |   |   |   |   |   |  |   |
| 12... | 149   | 156   | 2.2   | 11.8  | 28  | .63   | 2.0   | .660  | 2.4  | 170   |
| NOV   |   |   |   |   |   |   |   |   |  |   |
| 01... | 141   | 145   | 5.9   | 15.5  | 31  | .30   | 1.6   | .420  | 2.8  | --  |
| DEC   |   |   |   |   |   |   |   |   |  |   |
| 12... | 107   | 113   | 9.0   | 8.4   | 24  | .30   | 1.6   | .200  | 2.5  | --  |



**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02218000 OCONEE RIVER NEAR WATKINSVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| MAR<br>27... | 1400 | 81213   | 758   | 7.9   | 83  | 7.0  | 70   | 18.5  | 16.0  | 4.4  | 1.8  |
| AUG<br>10... | 1250 | 81213   | 423   | 6.1   | 81  | 7.4  | 124  | 33.0  | 29.0  | 7.1  | 2.4  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>27... | 1.7   | <2.0   | <.5  | 1.0   | 1.6  | <1.0   | <.1  | <1.0   | 3.7   | <2.0  | 2.9  |
| AUG<br>10... | 2.0   | <4.0   | <.5  | 1.4   | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 10   |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02223600 OCONEE RIVER AT INTERSTATE HIGHWAY 16, NEAR DUBLIN, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 32°29'05", long 82°51'45", Laurens County, Hydrologic Unit 03070102, at Interstate Highway 16, 4.0 miles upstream from Pughes Creek, 4.5 miles southeast of Dublin, and at mile 69.9.

**DRAINAGE AREA.--**4,400 mi<sup>2</sup>, approximately.

**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. The flow at this site is regulated by Lake Oconee (02220450) and Sinclair Reservoir (02222500). Streamflows for the samples collected at this site are computed from the records of the gaging station 02223500, Oconee River at Dublin, GA.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | COLOR<br>(PLAT-<br>INUM-<br>COBALT<br>UNITS)<br>(00080) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|--|---|---|---|
| JAN   |      |   |   |   |   |   |   |  |   |   |   |
| 31... | 0940 | 81341   | 6080  | <2.0  | 45  | 47  | 29                                      | 10.4   | 83  | 6.5   | 7.0   |
| FEB   |      |   |   |   |   |   |   |  |   |   |   |
| 22... | 1200 | 81341   | 2870  | <2.0  | 35  | 16  | 14                                      | 10.3   | 95  | 6.6   | 7.1   |
| 29... | 1055 | 81213   | 2320  | --  | --  | --  | --                                      | 8.8  | 86  | 6.6   | --  |
| MAR   |      |   |   |   |   |   |   |  |   |   |   |
| 07... | 1120 | 81213   | 2510  | --  | --  | --  | --                                      | 9.2  | 93  | 6.9   | --  |
| 14... | 1115 | 81341   | 2780  | <2.0  | 60  | 14  | 17                                      | 9.0  | 86  | 6.7   | 7.0   |
| APR   |      |   |   |   |   |   |   |  |   |   |   |
| 18... | 1000 | 81341   | 1960  | <2.0  | 40  | 9   | 11                                      | 7.0  | 78  | 7.0   | 6.8   |
| MAY   |      |   |   |   |   |   |   |  |   |   |   |
| 16... | 1000 | 81341   | 770   | <2.0  | 25  | 6   | 6.0                                     | 6.8  | 82  | 6.9   | 7.2   |
| 23... | 1020 | 81213   | 568   | --  | --  | --  | --                                      | 6.2  | 79  | 7.1   | --  |
| JUN   |      |   |   |   |   |   |   |  |   |   |   |
| 06... | 0910 | 81213   | 447   | --  | --  | --  | --                                      | 5.5  | 70  | 7.2   | --  |
| 13... | 0830 | 81341   | 436   | 2.0   | 15  | 10  | 8.0                                     | 6.1  | 78  | 7.3   | 7.3   |
| 13... | 0831 | 81213   | 436   | --  | --  | --  | --                                      | 6.1  | 78  | 7.3   | --  |
| JUL   |      |   |   |   |   |   |   |  |   |   |   |
| 11... | 0830 | 81341   | 400   | <2.0  | 10  | 5   | 4.0                                     | 5.8  | 77  | 7.1   | 7.3   |
| AUG   |      |   |   |   |   |   |   |  |   |   |   |
| 29... | 0930 | 81341   | 484   | 2.1   | 15  | 3   | 5.0                                     | 6.2  | 80  | 7.0   | 7.1   |
| SEP   |      |   |   |   |   |   |   |  |   |   |   |
| 05... | 1000 | 81213   | 834   | --  | --  | --  | --                                      | 5.8  | 73  | 6.8   | --  |
| 11... | 0930 | 81341   | 1030  | <2.0  | 15  | 20  | 9.0                                     | 6.2  | 75  | 6.9   | 7.4   |
| 18... | 1025 | 81213   | 824   | --  | --  | --  | --                                      | 6.4  | 74  | 7.1   | --  |
| 20... | 0825 | 81213   | 819   | --  | --  | --  | --                                      | 6.7  | 78  | 7.1   | --  |
| OCT   |      |   |   |   |   |   |   |  |   |   |   |
| 03... | 0945 | 81213   | 905   | --  | --  | --  | --                                      | 7.1  | 82  | 7.2   | --  |
| 10... | 1020 | 81341   | 849   | <2.0  | 10  | 5   | 5.0                                     | 8.0  | 83  | 6.9   | 7.2   |
| NOV   |      |   |   |   |   |   |   |  |   |   |   |
| 14... | 1050 | 81213   | 920   | --  | --  | --  | --                                      | 8.5  | 87  | 7.1   | --  |
| 14... | 1051 | 81341   | 920   | --  | --  | --  | --                                      | 8.5  | 87  | 7.1   | --  |
| DEC   |      |   |   |   |   |   |   |  |   |   |   |
| 21... | 0850 | 81341   | 4350  | <2.0  | 60  | 46  | 31                                      | 9.9  | 82  | 6.9   | 7.0   |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02223600 OCONEE RIVER AT INTERSTATE HIGHWAY 16, NEAR DUBLIN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>AS<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 31... | 91  | 94  | 4.0   | 5.5   | 16   | .05   | .2  | .080  | 4.2  | --  |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 22... | 116   | 117   | 16.0  | 12.0  | 25   | .10   | .2  | .096  | 3.7  | 170   |
| 29... | --  | 117   | 17.5  | 14.5  | --   | --  | --  | --  | --   | 80  |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 07... | --  | 112   | 23.0  | 16.0  | --   | --  | --  | --  | --   | 50  |
| 14... | 106   | 107   | 16.0  | 13.5  | 23   | .06   | .2  | .097  | 5.2  | 330   |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 18... | 123   | 125   | 19.0  | 20.0  | 24   | .07   | .4  | .070  | 4.2  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 16... | 202   | 203   | 24.0  | 25.0  | 34   | .08   | .6  | .070  | 4.2  | 1700  |
| 23... | --  | 214   | 29.0  | 27.0  | --   | --  | --  | --  | --   | 230   |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 06... | --  | 265   | 24.0  | 27.0  | --   | --  | --  | --  | --   | 3300  |
| 13... | 303   | 305   | 29.5  | 28.5  | 41   | .17   | .4  | .070  | 7.3  | 310   |
| 13... | --  | 305   | 29.5  | 28.5  | --   | --  | --  | --  | --   | --  |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 11... | 271   | 272   | 30.0  | 29.5  | 34   | .18   | .2  | .050  | 6.3  | 330   |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 29... | 280   | 282   | 26.5  | 28.5  | 27   | .12   | .4  | .050  | 6.1  | 170   |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 05... | --  | 265   | 23.0  | 26.5  | --   | --  | --  | --  | --   | 1400  |
| 11... | 244   | 262   | 26.7  | 25.5  | 24   | .12   | .4  | .060  | 5.1  | 3500  |
| 18... | --  | 209   | 19.0  | 22.0  | --   | --  | --  | --  | --   | 130   |
| 20... | --  | 211   | 25.0  | 23.0  | --   | --  | --  | --  | --   | <20   |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 03... | --  | 212   | 20.8  | 22.5  | --   | --  | --  | --  | --   | 170   |
| 10... | 254   | 250   | 14.0  | 17.5  | 25   | <.03  | .5  | .050  | 5.9  | 460   |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 14... | --  | 232   | 16.0  | 16.0  | --   | --  | --  | --  | --   | --  |
| 14... | --  | 232   | 16.0  | 16.0  | --   | --  | --  | --  | --   | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 21... | 109   | 105   | -5.0  | 7.5   | --   | .07   | .1  | .050  | 4.0  | --  |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02223600 OCONEE RIVER AT INTERSTATE HIGHWAY 16, NEAR DUBLIN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|--|--|--|---|---|--|--|
| JUN<br>13... | 0831 | 81213   | 436   | 6.1   | 78   | 7.3  | 305  | 29.5  | 28.5  | 14   | 2.6  |
| NOV<br>14... | 1050 | 81213   | 920   | 8.5   | 87   | 7.1  | 232  | 16.0  | 16.0  | 9.6  | 2.3  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| JUN<br>13... | <1.0  | 2.3  | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 12   |
| NOV<br>14... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 13   |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02226010 ALTAMAHA RIVER NEAR GARDI, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 31°37'24", long 81°45'55", Wayne-Long County line, Hydrologic Unit 03070106, 7.0 miles downstream from Doctortown, 9.0 miles upstream from Penholoway Creek, and 6.0 miles northeast of Gardi.

**DRAINAGE AREA.--**13,600 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**November 1974 to February 1994, March 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. Streamflows for the samples collected at this site are computed from the records of gaging station 02226000, Altamaha River at Doctortown, GA.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | COLOR<br>(PLAT-<br>INUM-<br>COBALT<br>UNITS)<br>(00080) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|---|---|--|--|
| JAN   |      |   |   |   |   |   |   |   |   |  |  |
| 19... | 0815 | 81341   | 9830  | <2.0  | 75  | 39  | 28                                      | 9.7   | 90  | 7.4  | 7.3  |
| FEB   |      |   |   |   |   |   |   |   |   |  |  |
| 02... | 0815 | 81213   | 16600   | --  | --  | --  | --                                      | 10.7  | 86  | 6.9  | --   |
| 09... | 0800 | 81341   | 18100   | --  | --  | --  | --                                      | 9.9   | 83  | 7.0  | --   |
| 16... | 0820 | 81341   | 11600   | <2.0  | 65  | 21  | 21                                      | 9.1   | 85  | 6.7  | 7.3  |
| MAR   |      |   |   |   |   |   |   |   |   |  |  |
| 15... | 0840 | 81341   | 7980  | <2.0  | 75  | 17  | 13                                      | 7.7   | 79  | 7.1  | 7.4  |
| 15... | 0845 | 81213   | 7980  | --  | --  | --  | --                                      | 7.7   | 79  | 7.1  | --   |
| APR   |      |   |   |   |   |   |   |   |   |  |  |
| 19... | 0700 | 81341   | 9020  | <2.0  | 45  | 13  | 15                                      | 6.7   | 75  | 7.5  | 7.3  |
| MAY   |      |   |   |   |   |   |   |   |   |  |  |
| 24... | 0710 | 81341   | 2620  | <2.0  | 50  | 11  | 10                                      | 6.2   | 79  | 7.7  | 7.9  |
| 31... | 0715 | 81213   | 2150  | --  | --  | --  | --                                      | 5.7   | 72  | 7.4  | --   |
| JUN   |      |   |   |   |   |   |   |   |   |  |  |
| 07... | 0720 | 81213   | 2000  | --  | --  | --  | --                                      | 6.6   | 84  | 7.8  | --   |
| 21... | 0740 | 81341   | 1800  | <2.0  | 140   | 7   | 5.0                                     | 4.6   | 61  | 8.0  | 7.8  |
| JUL   |      |   |   |   |   |   |   |   |   |  |  |
| 12... | 0735 | 81341   | 1660  | 2.2   | 260   | 8   | 6.0                                     | 4.9   | 65  | 8.0  | 7.8  |
| AUG   |      |   |   |   |   |   |   |   |   |  |  |
| 30... | 0945 | 81341   | 1420  | 2.2   | 120   | 9   | 7.0                                     | 4.3   | 57  | 7.6  | 7.8  |
| 30... | 0946 | 81213   | 1420  | --  | --  | --  | --                                      | 4.3   | 57  | 7.6  | --   |
| SEP   |      |   |   |   |   |   |   |   |   |  |  |
| 07... | 0740 | 81213   | 2070  | --  | --  | --  | --                                      | 5.4   | 65  | 7.3  | --   |
| 13... | 0725 | 81213   | 4690  | --  | --  | --  | --                                      | 6.1   | 77  | 7.1  | --   |
| 20... | 0730 | 81341   | 3040  | <2.0  | 160   | 15  | 10                                      | 6.2   | 74  | 7.3  | 7.7  |
| OCT   |      |   |   |   |   |   |   |   |   |  |  |
| 03... | 0735 | 81213   | 4590  | --  | --  | --  | --                                      | 6.7   | 78  | 7.0  | --   |
| 16... | 0700 | 81213   | 2750  | --  | --  | --  | --                                      | 7.4   | 80  | 7.3  | --   |
| 18... | 0700 | 81341   | 2810  | <2.0  | 120   | 14  | 9.0                                     | 7.3   | 80  | 7.6  | 7.6  |
| NOV   |      |   |   |   |   |   |   |   |   |  |  |
| 15... | 0830 | 81341   | 1950  | <2.0  | 120   | 17  | 8.0                                     | 7.8   | 79  | 7.6  | 7.6  |
| DEC   |      |   |   |   |   |   |   |   |   |  |  |
| 12... | 0845 | 81341   | 3710  | 2.0   | 110   | 11  | 8.0                                     | 9.9   | 90  | 7.5  | 7.4  |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02226010 ALTAMAHA RIVER NEAR GARDI, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) | TANNIN<br>AND<br>LIGNIN<br>(MG/L)<br>(32240) |
|-------|---|---|---|---|--|---|---|---|--|---|--|
| JAN   |   |   |   |   |  |   |   |   |  |   |  |
| 19... | 132   | 134   | 9.1   | 12.1  | 29   | <.03  | .3  | .092  | 4.4  | 30  | 1.3  |
| FEB   |   |   |   |   |  |   |   |   |  |   |  |
| 02... | --  | 106   | 2.7   | 6.4   | --   | --  | --  | --  | --   | 330   | --   |
| 09... | --  | 104   | 8.2   | 7.7   | --   | --  | --  | --  | --   | 20  | --   |
| 16... | 121   | 122   | 13.0  | 12.9  | 24   | <.03  | .3  | .067  | 5.5  | 230   | 1.2  |
| MAR   |   |   |   |   |  |   |   |   |  |   |  |
| 15... | 137   | 138   | 16.9  | 17.0  | 32   | .03   | .3  | .070  | 7.7  | --  | 1.3  |
| 15... | --  | 138   | 16.9  | 17.0  | --   | --  | --  | --  | --   | --  | --   |
| APR   |   |   |   |   |  |   |   |   |  |   |  |
| 19... | 139   | 141   | 15.7  | 20.4  | 32   | .05   | .4  | .070  | 8.2  | --  | 1.4  |
| MAY   |   |   |   |   |  |   |   |   |  |   |  |
| 24... | 271   | 277   | 26.8  | 27.4  | 60   | .07   | .3  | .080  | 6.5  | 20  | 1.7  |
| 31... | --  | 313   | 21.8  | 27.6  | --   | --  | --  | --  | --   | <20   | --   |
| JUN   |   |   |   |   |  |   |   |   |  |   |  |
| 07... | --  | 206   | 20.6  | 27.7  | --   | --  | --  | --  | --   | <20   | --   |
| 21... | 372   | 392   | 29.3  | 30.1  | 76   | .05   | .2  | .090  | 11   | <20   | 3.4  |
| JUL   |   |   |   |   |  |   |   |   |  |   |  |
| 12... | 382   | 394   | 28.1  | 30.3  | 73   | .10   | .1  | .110  | 12   | <20   | 3.0  |
| AUG   |   |   |   |   |  |   |   |   |  |   |  |
| 30... | 422   | 435   | 27.5  | 29.1  | 76   | .79   | .3  | .090  | 12   | <20   | 3.7  |
| 30... | --  | 435   | 27.5  | 29.1  | --   | --  | --  | --  | --   | --  | --   |
| SEP   |   |   |   |   |  |   |   |   |  |   |  |
| 07... | --  | 375   | 21.4  | 24.7  | --   | --  | --  | --  | --   | <20   | --   |
| 13... | --  | 248   | 24.9  | 27.3  | --   | --  | --  | --  | --   | E170  | --   |
| 20... | 280   | 289   | 24.4  | 24.3  | 51   | .08   | .5  | .060  | 8.6  | 20  | 2.1  |
| OCT   |   |   |   |   |  |   |   |   |  |   |  |
| 03... | --  | 231   | 18.5  | 23.0  | --   | --  | --  | --  | --   | <20   | --   |
| 16... | --  | 311   | 14.5  | 19.4  | --   | --  | --  | --  | --   | 20  | --   |
| 18... | 311   | 316   | 15.3  | 20.2  | 57   | .05   | .6  | .060  | 3.2  | 50  | 1.6  |
| NOV   |   |   |   |   |  |   |   |   |  |   |  |
| 15... | 374   | 375   | 8.0   | 16.0  | 70   | .03   | .5  | .080  | 7.4  | <20   | 2.6  |
| DEC   |   |   |   |   |  |   |   |   |  |   |  |
| 12... | 260   | 256   | 16.6  | 11.4  | --   | .04   | .6  | .050  | 6.7  | 80  | 1.4  |

**ALTAMAHA RIVER BASIN  
2000 Calendar Year**

**02226010 ALTAMAHA RIVER NEAR GARDI, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| MAR<br>15... | 0845 | 81213   | 7980  | 7.7   | 79  | 7.1  | 138  | 16.9  | 17.0  | 9.4  | 1.8  |
| AUG<br>30... | 0946 | 81213   | 1420  | 4.3   | 57  | 7.6  | 435  | 27.5  | 29.1  | 17   | 3.0  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>15... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | 1.1  | <.1  | <1.0   | <2.0  | <2.0  | 5.7  |
| AUG<br>30... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 4.4  |

**SATILLA RIVER BASIN  
2000 Calendar Year**

**02226582 SATILLA RIVER NEAR HOBOKEN, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 31°13'00", long 82°09'45", Brantley-Pierce County line, Hydrologic Unit 03070201, at the bridge on Georgia Highway 121, 3.0 miles northeast of Hoboken.

**DRAINAGE AREA.**--1,350 mi<sup>2</sup>, approximately.

**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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | COLOR<br>(PLAT-<br>INUM-<br>COBALT<br>UNITS)<br>(00080) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) |
|-------|------|---|---|---|---|--|---|---|---|--|--|---|--|
| JAN   |      |   |   |   |   |  |   |   |   |  |  |   |  |
| 19... | 1030 | 81341   | 46  | <2.0  | 65  | 5  | 3.0                                     | 9.0   | 85.3  | 7.2  | 7.1  | 254   | 259  |
| FEB   |      |   |   |   |   |  |   |   |   |  |  |   |  |
| 02... | 1015 | 81213   | 161   | --  | --  | --   | --                                      | 10.2  | 83.9  | 6.5  | --   | --  | 134  |
| 09... | 0950 | 81341   | 93  | --  | --  | --   | --                                      | 9.6   | 82.1  | 6.7  | --   | --  | 158  |
| 16... | 1030 | 81341   | 179   | <2.0  | 100   | 3  | 8.0                                     | 7.2   | 69.2  | 6.4  | 6.6  | 88  | 88   |
| MAR   |      |   |   |   |   |  |   |   |   |  |  |   |  |
| 15... | 1045 | 81341   | 72  | <2.0  | 120   | 1  | 3.0                                     | 7.0   | 71.4  | 6.7  | 6.9  | 139   | 140  |
| 15... | 1050 | 81213   | 72  | --  | --  | --   | --                                      | 7.0   | 71.4  | 6.7  | --   | --  | 140  |
| APR   |      |   |   |   |   |  |   |   |   |  |  |   |  |
| 19... | 0900 | 81341   | 232   | <2.0  | 140   | 6  | 6.0                                     | 5.4   | 59.6  | 6.5  | 6.3  | 104   | 105  |
| MAY   |      |   |   |   |   |  |   |   |   |  |  |   |  |
| 24... | 0930 | 81341   | 32  | <2.0  | 110   | 7  | 5.0                                     | 6.0   | 74.4  | 7.1  | 7.3  | 139   | 141  |
| 31... | 0920 | 81213   | 27  | --  | --  | --   | --                                      | 6.3   | 75.9  | 6.9  | --   | --  | 146  |
| JUN   |      |   |   |   |   |  |   |   |   |  |  |   |  |
| 07... | 0925 | 81213   | 22  | --  | --  | --   | --                                      | 6.0   | 72.5  | 6.8  | --   | --  | 158  |
| 21... | 1000 | 81341   | 39  | <2.0  | 65  | 4  | 4.0                                     | 4.8   | 61.3  | 7.2  | 7.0  | 169   | 170  |
| JUL   |      |   |   |   |   |  |   |   |   |  |  |   |  |
| 12... | 0955 | 81341   | 25  | <2.0  | 55  | <1   | 2.0                                     | 5.2   | 66.4  | 7.1  | 7.1  | 246   | 249  |
| AUG   |      |   |   |   |   |  |   |   |   |  |  |   |  |
| 30... | 1320 | 81341   | 62  | <2.0  | 240   | 7  | 5.0                                     | 5.3   | 68.5  | 6.6  | 6.8  | 146   | 139  |
| 30... | 1321 | 81213   | 62  | --  | --  | --   | --                                      | 5.3   | 68.5  | 6.6  | --   | --  | 139  |
| SEP   |      |   |   |   |   |  |   |   |   |  |  |   |  |
| 07... | 1000 | 81213   | 422   | --  | --  | --   | --                                      | 5.6   | 65.5  | 5.7  | --   | --  | 78   |
| 13... | 0930 | 81213   | 1140  | --  | --  | --   | --                                      | 5.3   | 63.5  | 5.4  | --   | --  | 82   |
| 20... | 1030 | 81341   | 1410  | <2.0  | 360   | 6  | 3.0                                     | 4.1   | 47.5  | 5.5  | 5.9  | 82  | 85   |
| OCT   |      |   |   |   |   |  |   |   |   |  |  |   |  |
| 03... | 0930 | 81213   | 1760  | --  | --  | --   | --                                      | 5.2   | 57.6  | 5.3  | --   | --  | 78   |
| 16... | 0930 | 81213   | 324   | --  | --  | --   | --                                      | 7.1   | 72.8  | 5.8  | --   | --  | 103  |
| 18... | 0945 | 81341   | 284   | <2.0  | 240   | 3  | 3.0                                     | 6.8   | 70.5  | 6.0  | 6.1  | 101   | 98   |
| NOV   |      |   |   |   |   |  |   |   |   |  |  |   |  |
| 15... | 1115 | 81341   | 60  | <2.0  | 150   | 3  | 2.0                                     | 7.4   | 72.1  | 6.4  | 6.8  | 114   | 112  |
| DEC   |      |   |   |   |   |  |   |   |   |  |  |   |  |
| 12... | 1145 | 81341   | 150   | <2.0  | 130   | 12   | 2.0                                     | 8.9   | 83.3  | 6.4  | 6.7  | 123   | 117  |



**SATILLA RIVER BASIN  
2000 Calendar Year**

**02226582 SATILLA RIVER NEAR HOBOKEN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|--|---|---|---|--|---|
| JAN   |   |   |  |   |   |   |  |   |
| 19... | 12.5  | 12.8  | 23   | <.03  | .9  | .290  | 10   | <20   |
| FEB   |   |   |  |   |   |   |  |   |
| 02... | 6.8   | 7.3   | --   | --  | --  | --  | --   | <20   |
| 09... | 10.7  | 8.5   | --   | --  | --  | --  | --   | 20  |
| 16... | 19.3  | 14.1  | 8  | .07   | .3  | .130  | 14   | 230   |
| MAR   |   |   |  |   |   |   |  |   |
| 15... | 22.5  | 16.6  | 14   | .05   | .4  | .290  | 17   | --  |
| 15... | 22.5  | 16.6  | --   | --  | --  | --  | --   | --  |
| APR   |   |   |  |   |   |   |  |   |
| 19... | 22.5  | 20.4  | 7  | .11   | .6  | .260  | 26   | --  |
| MAY   |   |   |  |   |   |   |  |   |
| 24... | 28.5  | 26.0  | 20   | .04   | .6  | .330  | 13   | <20   |
| 31... | 27.4  | 25.1  | --   | --  | --  | --  | --   | <20   |
| JUN   |   |   |  |   |   |   |  |   |
| 07... | 25.4  | 25.1  | --   | --  | --  | --  | --   | <20   |
| 21... | 32.1  | 28.3  | 20   | .06   | 1.1   | .410  | 10   | <20   |
| JUL   |   |   |  |   |   |   |  |   |
| 12... | 24.9  | 27.3  | 17   | .05   | .6  | .290  | 9.9  | 80  |
| AUG   |   |   |  |   |   |   |  |   |
| 30... | 29.8  | 28.1  | 13   | .03   | .4  | .340  | 21   | 50  |
| 30... | 29.8  | 28.1  | --   | --  | --  | --  | --   | --  |
| SEP   |   |   |  |   |   |   |  |   |
| 07... | 23.0  | 23.3  | --   | --  | --  | --  | --   | 170   |
| 13... | 29.0  | 24.7  | --   | --  | --  | --  | --   | E230  |
| 20... | 31.1  | 22.6  | 7  | .08   | .2  | .180  | 41   | 20  |
| OCT   |   |   |  |   |   |   |  |   |
| 03... | 24.1  | 20.4  | --   | --  | --  | --  | --   | 110   |
| 16... | 19.2  | 16.7  | --   | --  | --  | --  | --   | 20  |
| 18... | 24.5  | 17.2  | 10   | .04   | .4  | .130  | 26   | 40  |
| NOV   |   |   |  |   |   |   |  |   |
| 15... | 14.0  | 14.3  | 11   | <.03  | .5  | .160  | 11   | 170   |
| DEC   |   |   |  |   |   |   |  |   |
| 12... | 21.5  | 12.5  | --   | .04   | .3  | .160  | 17   | <20   |

**SATILLA RIVER BASIN  
2000 Calendar Year**

**02226582 SATILLA RIVER NEAR HOBOKEN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) |
|--------------|------|---|---|--|---|--|--|---|---|--|--|---|--|
| MAR<br>15... | 1050 | 81213   | 72  | 7.0  | 71.4  | 6.7  | 140  | 22.5  | 16.6  | 6.1  | 3.3  | <1.0  | <2.0   |
| AUG<br>30... | 1321 | 81213   | 62  | 5.3  | 68.5  | 6.6  | 139  | 29.8  | 28.1  | 5.9  | 3.1  | <1.0  | <4.0   |

| DATE         | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|--|---|--|--|--|--|---|---|--|
| MAR<br>15... | <.5  | <1.0  | <1.0   | 1.1  | <.1  | 1.5  | <2.0  | <2.0  | 7.3  |
| AUG<br>30... | <.5  | <1.0  | <2.0   | <2.0   | <.1  | 1.4  | <4.0  | <2.0  | 6.6  |

**SUWANNEE RIVER BASIN  
2000 Calendar Year**

**02314500 SUWANNEE RIVER AT FARGO, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 30°40'50", long 82°33'38", Clinch County, Hydrologic Unit, 03110201, at bridge on US Highway 441, 4.0 miles upstream from Suwannee Creek, 12.0 miles downstream from Mixons Ferry damsite, and, at Fargo.

**DRAINAGE AREA.--**1,260 mi<sup>2</sup>, approximately. The drainage area includes part of the watershed of Okefenokee Swamp for which the boundaries are indeterminable.

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

**REMARKS.--**The gage is located on the downstream side of the right bank bridge pier on US Highway 441. Laboratory analyses with analyzing agency code 81213 are by the US 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | COLOR<br>(PLAT-<br>INUM-<br>COBALT<br>UNITS)<br>(00080) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|---|---|--|--|
| JAN   |      |   |   |   |   |   |   |   |   |  |  |
| 19... | 1030 | 81341   | 52  | <2.0  | 240   | 5   | 2.0                                     | 9.0   | 87  | 3.9  | 3.9  |
| FEB   |      |   |   |   |   |   |   |   |   |  |  |
| 01... | 0910 | 81213   | 88  | --  | --  | --  | --                                      | 10.6  | 88  | 4.1  | --   |
| 08... | 0835 | 81213   | 88  | --  | --  | --  | --                                      | 12.1  | 103   | 4.1  | --   |
| 15... | 0820 | 81341   | 91  | <2.0  | 280   | 1   | 1.0                                     | 9.1   | 89  | 4.0  | 3.9  |
| MAR   |      |   |   |   |   |   |   |   |   |  |  |
| 28... | 1115 | 81341   | 66  | <2.0  | 240   | <1  | 1.0                                     | 8.7   | 95  | 4.1  | 4.0  |
| APR   |      |   |   |   |   |   |   |   |   |  |  |
| 25... | 0825 | 81341   | 150   | <2.0  | 240   | 10  | 3.0                                     | 7.5   | 79  | 5.4  | 5.2  |
| MAY   |      |   |   |   |   |   |   |   |   |  |  |
| 09... | 0800 | 81341   | 79  | <2.0  | 280   | 1   | <1.0                                    | 6.7   | 80  | 4.0  | 4.0  |
| 16... | 0830 | 81213   | 64  | --  | --  | --  | --                                      | 6.4   | 79  | 4.0  | --   |
| 23... | 0800 | 81213   | 27  | --  | --  | --  | --                                      | 5.7   | 69  | 4.1  | --   |
| JUN   |      |   |   |   |   |   |   |   |   |  |  |
| 06... | 0810 | 81341   | 7.4   | <2.0  | 360   | <1  | 1.0                                     | 5.3   | 66  | 4.6  | 4.6  |
| 06... | 0811 | 81213   | 7.4   | --  | --  | --  | --                                      | 5.3   | 66  | 4.6  | --   |
| JUL   |      |   |   |   |   |   |   |   |   |  |  |
| 18... | 0810 | 81341   | 72  | <2.0  | 320   | 2   | 2.0                                     | 5.3   | 69  | 4.0  | 4.1  |
| 25... | 0755 | 81213   | 100   | --  | --  | --  | --                                      | 5.5   | 69  | 3.9  | --   |
| AUG   |      |   |   |   |   |   |   |   |   |  |  |
| 01... | 0750 | 81213   | 106   | --  | --  | --  | --                                      | 8.9   | 114   | 3.9  | --   |
| 15... | 0900 | 81341   | 56  | <2.0  | 400   | <1  | <1.0                                    | 5.6   | 70  | 3.9  | 3.9  |
| SEP   |      |   |   |   |   |   |   |   |   |  |  |
| 12... | 0905 | 81341   | 91  | <2.0  | 360   | 2   | 1.0                                     | 5.6   | 69  | 4.0  | 3.8  |
| OCT   |      |   |   |   |   |   |   |   |   |  |  |
| 24... | 0840 | 81213   | 59  | 1.0   | --  | 1   | 1.8                                     | 7.7   | 82  | 3.7  | 3.9  |
| NOV   |      |   |   |   |   |   |   |   |   |  |  |
| 06... | 0935 | 81341   | 47  | <2.0  | 360   | 2   | 3.0                                     | 7.9   | 87  | 3.8  | 3.9  |
| 13... | 0905 | 81213   | 41  | --  | --  | --  | --                                      | 8.3   | 83  | 3.6  | --   |
| 16... | 0905 | 81213   | 38  | --  | --  | --  | --                                      | 8.8   | 83  | 3.7  | --   |
| DEC   |      |   |   |   |   |   |   |   |   |  |  |
| 05... | 0935 | 81341   | 39  | <2.0  | 300   | <1  | 2.0                                     | 10.6  | 89  | 3.7  | 4.0  |

**SUWANNEE RIVER BASIN  
2000 Calendar Year**

**02314500 SUWANNEE RIVER AT FARGO, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) | TANNIN<br>AND<br>LIGNIN<br>(MG/L)<br>(32240) |
|-------|---|---|---|---|--|---|---|---|--|---|--|
| JAN   |   |   |   |   |  |   |   |   |  |   |  |
| 19... | 73  | 130   | 15.0  | 14.2  | <1   | <.03  | <.020   | <.020   | 36   | <20   | 7.5  |
| FEB   |   |   |   |   |  |   |   |   |  |   |  |
| 01... | --  | 78  | 7.0   | 8.0   | --   | --  | --  | --  | --   | 80  | --   |
| 08... | --  | 81  | 4.5   | 8.7   | --   | --  | --  | --  | --   | 50  | --   |
| 15... | 73  | 78  | 8.0   | 15.0  | <1   | <.03  | <.020   | <.020   | 38   | 50  | 5.8  |
| MAR   |   |   |   |   |  |   |   |   |  |   |  |
| 28... | 72  | 73  | 22.5  | 19.8  | <1   | <.03  | .3  | .020  | 41   | --  | 7.0  |
| APR   |   |   |   |   |  |   |   |   |  |   |  |
| 25... | 45  | 45  | 16.5  | 18.1  | 1  | <.03  | .4  | .030  | 34   | --  | 6.0  |
| MAY   |   |   |   |   |  |   |   |   |  |   |  |
| 09... | 74  | 73  | 22.5  | 24.6  | <1   | <.03  | .3  | .020  | 43   | <20   | 8.0  |
| 16... | --  | 78  | 23.5  | 26.8  | --   | --  | --  | --  | --   | <20   | --   |
| 23... | --  | 76  | 23.5  | 25.4  | --   | --  | --  | --  | --   | <20   | --   |
| JUN   |   |   |   |   |  |   |   |   |  |   |  |
| 06... | 59  | 58  | 24.0  | 26.9  | <1   | <.03  | .2  | .030  | 41   | 40  | 6.5  |
| 06... | --  | 58  | 24.0  | 26.9  | --   | --  | --  | --  | --   | --  | --   |
| JUL   |   |   |   |   |  |   |   |   |  |   |  |
| 18... | 73  | 73  | 27.5  | 28.9  | <1   | .03   | .1  | .020  | 52   | 20  | 10   |
| 25... | --  | 75  | 21.5  | 27.0  | --   | --  | --  | --  | --   | <20   | --   |
| AUG   |   |   |   |   |  |   |   |   |  |   |  |
| 01... | --  | 75  | 26.0  | 28.0  | --   | --  | --  | --  | --   | <20   | --   |
| 15... | 82  | 77  | 26.0  | 27.6  | <1   | .03   | .2  | <.020   | 57   | 20  | 10   |
| SEP   |   |   |   |   |  |   |   |   |  |   |  |
| 12... | 74  | 77  | 23.5  | 26.2  | <1   | <.03  | .1  | <.020   | 51   | --  | 8.5  |
| OCT   |   |   |   |   |  |   |   |   |  |   |  |
| 24... | 87  | 89  | 18.0  | 19.4  | <1   | <.01  | <.020   | <.020   | 64   | --  | --   |
| NOV   |   |   |   |   |  |   |   |   |  |   |  |
| 06... | 85  | 84  | 23.5  | 20.4  | <1   | .05   | .1  | <.020   | 47   | 20  | 8.5  |
| 13... | --  | 86  | 17.0  | 15.5  | --   | --  | --  | --  | --   | 20  | --   |
| 16... | --  | 86  | 13.0  | 13.3  | --   | --  | --  | --  | --   | 20  | --   |
| DEC   |   |   |   |   |  |   |   |   |  |   |  |
| 05... | 84  | 87  | 5.0   | 8.1   | --   | <.03  | .1  | <.020   | 42   | 50  | 7.4  |

**SUWANNEE RIVER BASIN  
2000 Calendar Year**

**02314500 SUWANNEE RIVER AT FARGO, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, (PER-CENT SATUR-ATION) (00301) | PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400) | SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095) | TEMPER-ATURE AIR (DEG C) (00020) | TEMPER-ATURE WATER (DEG C) (00010) | CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916) | MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927) |
|-----------|------|--|---|-----------------------------------|--|--|---|----------------------------------|------------------------------------|---|---|
| JUN 06... | 0811 | 81213                                  | 7.4   | 5.3                               | 66                                     | 4.6  | 58                                      | 24.0                             | 26.9                               | 1.9   | 1.2   |
| OCT 24... | 0840 | 81213                                  | 59  | 7.7                               | 82                                     | 3.7  | 89                                      | 18.0                             | 19.4                               | .8  | .6  |

| DATE      | ANTI-MONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | THAL-LIUM, TOTAL (UG/L AS TL) (01059) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) |
|-----------|---------------------------------------|------------------------------------|--|--|---|---|---|---|---------------------------------------|---------------------------------------|---|
| JUN 06... | <1.0                                  | <2.0                               | <.5  | <1.0   | <1.0  | <1.0  | <.1   | <1.0  | <2.0                                  | <2.0                                  | 55  |
| OCT 24... | <1.0                                  | <4.0                               | <.5  | <1.0   | <2.0  | <2.0  | <.1   | <1.0  | <4.0                                  | <2.0                                  | 2.4   |

**SUWANNEE RIVER BASIN  
2000 Calendar Year**

**02318940 WITHLACOOCHEE RIVER AT CLYATTVILLE-NANKIN ROAD,  
NEAR CLYATTVILLE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 30°40'29", long 83°23'41", Lowndes-Brooks County line, Hydrologic Unit 03110203, at bridge on Clyattville-Nankin Road (County Road S-951), 3.4 miles upstream from Clyatt Mill Creek, 0.6 mile downstream from Redland Creek, and 5.2 miles southwest of Clyattville.

**DRAINAGE AREA.**--1,980 mi<sup>2</sup>.

**PERIOD OF RECORD.**--January 2000 to December 2000.

**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 collected by the U.S. Geological Survey.

**SUWANNEE RIVER BASIN  
2000 Calendar Year**

**02318940 WITHLACOOCHEE RIVER AT CLYATTVILLE-NANKIN ROAD,  
NEAR CLYATTVILLE, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | COLOR<br>(PLAT-<br>INUM-<br>COBALT<br>UNITS)<br>(00080) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>TUR-<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>CENT<br>SOLVED<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|---|--|---|---|
| JAN   |      |   |   |   |   |   |   |   |  |   |   |
| 19... | 1240 | 81341   | E8.4  | <2.0  | --  | --  | 2.0                                     | 9.6   | 91   | 7.7   | 7.4   |
| FEB   |      |   |   |   |   |   |   |   |  |   |   |
| 01... | 1145 | 81213   | E63   | --  | --  | --  | --                                      | 10.2  | 85   | 7.4   | --  |
| 08... | 1020 | 81213   | E46   | --  | --  | --  | --                                      | 11.8  | 98   | 7.3   | --  |
| 15... | 1030 | 81341   | E38   | <2.0  | --  | --  | 7.0                                     | 9.1   | 87   | 7.1   | 7.0   |
| MAR   |      |   |   |   |   |   |   |   |  |   |   |
| 28... | 1315 | 81341   | 1360  | <2.0  | 160   | --  | 6.0                                     | 7.0   | 75   | 6.5   | 6.5   |
| APR   |      |   |   |   |   |   |   |   |  |   |   |
| 25... | 1045 | 81341   | 1890  | 4.1   | --  | --  | 88                                      | 6.7   | 70   | 6.7   | 6.5   |
| MAY   |      |   |   |   |   |   |   |   |  |   |   |
| 09... | 0955 | 81341   | E29   | <2.0  | --  | --  | 3.0                                     | 5.8   | 68   | 6.9   | 6.9   |
| 16... | 1035 | 81213   | E18   | --  | --  | --  | --                                      | 6.5   | 80   | 7.2   | --  |
| 23... | 0950 | 81213   | E14   | --  | --  | --  | --                                      | 6.2   | 77   | 7.2   | --  |
| JUN   |      |   |   |   |   |   |   |   |  |   |   |
| 06... | 1110 | 81341   | E12   | <2.0  | --  | --  | 1.0                                     | 8.4   | 107  | 7.8   | 8.0   |
| 06... | 1111 | 81213   | E12   | --  | --  | --  | --                                      | 8.4   | 107  | 7.8   | --  |
| JUL   |      |   |   |   |   |   |   |   |  |   |   |
| 18... | 1055 | 81341   | E25   | <2.0  | --  | --  | 2.0                                     | 4.7   | 61   | 6.9   | 6.9   |
| 25... | 0925 | 81213   | E14   | --  | --  | --  | --                                      | 5.9   | 76   | 7.2   | --  |
| AUG   |      |   |   |   |   |   |   |   |  |   |   |
| 01... | 0930 | 81213   | E14   | --  | --  | --  | --                                      | 8.0   | 104  | 7.4   | --  |
| 15... | 1045 | 81341   | E26   | <2.0  | 100   | --  | 3.0                                     | 5.5   | 71   | 7.0   | 7.0   |
| SEP   |      |   |   |   |   |   |   |   |  |   |   |
| 12... | 1055 | 81341   | 6620  | <2.0  | 200   | --  | 5.0                                     | 4.7   | 55   | 6.1   | 5.8   |
| OCT   |      |   |   |   |   |   |   |   |  |   |   |
| 24... | 1045 | 81213   | E25   | .9  | --  | 2   | 3.1                                     | 6.2   | 67   | 6.8   | 7.2   |
| NOV   |      |   |   |   |   |   |   |   |  |   |   |
| 06... | 1135 | 81341   | E17   | <2.0  | 75  | --  | 4.0                                     | 6.5   | 73   | 6.8   | 7.1   |
| 13... | 1035 | 81213   | E15   | --  | --  | --  | --                                      | 7.5   | 75   | 6.8   | --  |
| 16... | 1045 | 81213   | E22   | --  | --  | --  | --                                      | 8.1   | 79   | 7.0   | --  |
| DEC   |      |   |   |   |   |   |   |   |  |   |   |
| 05... | 1055 | 81341   | 1740  | <2.0  | 140   | --  | 3.0                                     | 9.7   | 84   | 6.7   | 7.0   |

**SUWANNEE RIVER BASIN  
2000 Calendar Year**

**02318940 WITHLACOOCHEE RIVER AT CLYATTVILLE-NANKIN ROAD,  
NEAR CLYATTVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|---|---|---|---|--|---|
| JAN   |   |   |   |   |   |   |   |   |  |   |
| 19... | 192   | 194   | 17.0  | 13.5  | 39  | .06   | 1.5   | .430  | 6.0  | 20  |
| FEB   |   |   |   |   |   |   |   |   |  |   |
| 01... | --  | 148   | 9.5   | 8.0   | --  | --  | --  | --  | --   | 80  |
| 08... | --  | 149   | 12.5  | 7.7   | --  | --  | --  | --  | --   | 80  |
| 15... | 130   | 132   | 14.0  | 13.9  | 13  | .05   | .4  | .150  | 12   | 130   |
| MAR   |   |   |   |   |   |   |   |   |  |   |
| 28... | 88  | 87  | 26.0  | 18.4  | 10  | <.03  | .4  | .100  | 24   | --  |
| APR   |   |   |   |   |   |   |   |   |  |   |
| 25... | 67  | 65  | 20.0  | 17.9  | 10  | .40   | .6  | .590  | 14   | --  |
| MAY   |   |   |   |   |   |   |   |   |  |   |
| 09... | 121   | 118   | 26.0  | 24.1  | 21  | .17   | .5  | .190  | 41   | 20  |
| 16... | --  | 131   | 26.0  | 26.6  | --  | --  | --  | --  | --   | 50  |
| 23... | --  | 147   | 27.5  | 26.7  | --  | --  | --  | --  | --   | <20   |
| JUN   |   |   |   |   |   |   |   |   |  |   |
| 06... | 174   | 173   | 27.5  | 28.5  | 38  | <.03  | .1  | .190  | 8.0  | 20  |
| 06... | --  | 173   | 27.5  | 28.5  | --  | --  | --  | --  | --   | --  |
| JUL   |   |   |   |   |   |   |   |   |  |   |
| 18... | 96  | 94  | 31.5  | 29.5  | 16  | .05   | .5  | .350  | 15   | 20  |
| 25... | --  | 116   | 28.0  | 28.2  | --  | --  | --  | --  | --   | 50  |
| AUG   |   |   |   |   |   |   |   |   |  |   |
| 01... | --  | 176   | 28.5  | 29.2  | --  | --  | --  | --  | --   | 20  |
| 15... | 123   | 123   | 30.0  | 28.8  | 34  | <.03  | .7  | .250  | 15   | 20  |
| SEP   |   |   |   |   |   |   |   |   |  |   |
| 12... | 61  | 65  | 26.0  | 24.4  | 4   | .48   | .2  | .110  | 29   | --  |
| OCT   |   |   |   |   |   |   |   |   |  |   |
| 24... | 123   | 124   | 20.0  | 19.8  | 26  | .04   | .5  | .160  | 15   | --  |
| NOV   |   |   |   |   |   |   |   |   |  |   |
| 06... | 152   | 148   | 27.0  | 21.1  | 32  | .07   | .7  | .190  | 12   | <20   |
| 13... | --  | 157   | 21.0  | 15.5  | --  | --  | --  | --  | --   | 70  |
| 16... | --  | 175   | 13.5  | 14.9  | --  | --  | --  | --  | --   | 20  |
| DEC   |   |   |   |   |   |   |   |   |  |   |
| 05... | 118   | 115   | 6.5   | 9.6   | --  | <.03  | .3  | .090  | 15   | 80  |



**SUWANNEE RIVER BASIN  
2000 Calendar Year**

**02318940 WITHLACOCHEE RIVER AT CLYATTVILLE-NANKIN ROAD,  
NEAR CLYATTVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE | TIME  | AGENCY<br>ANALYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|------|-------|--|---|---|---|--|--|---|---|--|--|
| JUN  | 06... | 81213  | E12   | 8.4   | 107   | 7.8  | 173  | 27.5  | 28.5  | 12   | 4.0  |
| OCT  | 24... | 81213  | E25   | 6.2   | 67  | 6.8  | 124  | 20.0  | 19.8  | 9.3  | 3.2  |

| DATE | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |     |
|------|---|--|--|---|--|--|--|--|---|---|--|-----|
| JUN  | 06...   | <1.0   | <2.0   | <.5   | <1.0   | <1.0   | <1.0   | <.1  | <1.0  | <2.0  | <2.0   | 8.8 |
| OCT  | 24...   | <1.0   | <4.0   | <.5   | <1.0   | <2.0   | <2.0   | <.1  | <1.0  | <4.0  | <2.0   | 5.0 |

**OCHLOCKONEE RIVER BASIN  
2000 Calendar Year**

**02328200 OCHLOCKONEE RIVER NEAR CALVARY, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 30°43'53", long 84°14'12", Grady County, Hydrologic Unit 03120003, at bridge on Hadley Ferry Road, 1.5 miles downstream from Tired Creek, and 6.5 miles east of Calvary.

**DRAINAGE AREA.--**930 mi<sup>2</sup>, approximately.

**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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY ANA-LYZING SAMPLE NUMBER (00028) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310) | COLOR (PLAT-INUM-COBALT UNITS) (00080) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530) | TUR-BID-ITY (NTU) (00076) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400) | PH WATER WHOLE LAB (STAND-ARD UNITS) (00403) |
|-------|------|---|---|---|--|--|---------------------------|-----------------------------------|---|--|--|
| JAN   |      |   |   |   |  |  |                           |                                   |   |  |  |
| 19... | 1545 | 81341                                   | 149   | <2.0  | 85                                     | 7  | 7.0                       | 9.7                               | 91  | 7.2  | 7.2  |
| FEB   |      |   |   |   |  |  |                           |                                   |   |  |  |
| 01... | 1345 | 81213                                   | 457   | --  | --                                     | --   | --                        | 10.2                              | 88  | 7.2  | --   |
| 08... | 1220 | 81213                                   | 252   | --  | --                                     | --   | --                        | 12.6                              | 104   | 7.2  | --   |
| 15... | 1320 | 81341                                   | 428   | 2.3   | 75                                     | 18   | 20                        | 8.7                               | 85  | 7.1  | 7.1  |
| MAR   |      |   |   |   |  |  |                           |                                   |   |  |  |
| 28... | 1600 | 81341                                   | 21  | <2.0  | 140                                    | 8  | 12                        | 6.6                               | 71  | 6.9  | 6.8  |
| APR   |      |   |   |   |  |  |                           |                                   |   |  |  |
| 25... | 1335 | 81341                                   | 716   | 3.8   | 120                                    | 73   | 52                        | 6.4                               | 68  | 6.8  | 6.6  |
| MAY   |      |   |   |   |  |  |                           |                                   |   |  |  |
| 09... | 1220 | 81341                                   | 99  | <2.0  | 140                                    | 9  | 8.0                       | 6.6                               | 78  | 7.0  | 7.1  |
| 16... | 1330 | 81213                                   | 60  | --  | --                                     | --   | --                        | 7.2                               | 89  | 7.2  | --   |
| 23... | 1240 | 81213                                   | 43  | --  | --                                     | --   | --                        | 7.0                               | 87  | 7.2  | --   |
| JUN   |      |   |   |   |  |  |                           |                                   |   |  |  |
| 06... | 1315 | 81341                                   | 25  | <2.0  | 50                                     | 3  | 4.0                       | 6.4                               | 82  | 7.7  | 7.8  |
| 06... | 1316 | 81213                                   | 25  | --  | --                                     | --   | --                        | 6.4                               | 82  | 7.7  | --   |
| JUL   |      |   |   |   |  |  |                           |                                   |   |  |  |
| 18... | 1225 | 81341                                   | 37  | <2.0  | 45                                     | 5  | 3.0                       | 6.8                               | 91  | 7.7  | 7.5  |
| 25... | 1150 | 81213                                   | 51  | --  | --                                     | --   | --                        | 6.1                               | 76  | 7.4  | --   |
| AUG   |      |   |   |   |  |  |                           |                                   |   |  |  |
| 01... | 1325 | 81213                                   | 30  | --  | --                                     | --   | --                        | 7.2                               | 91  | 7.5  | --   |
| 15... | 1400 | 81341                                   | 24  | <2.0  | 30                                     | 2  | 3.0                       | 7.3                               | 95  | 7.6  | 7.6  |
| SEP   |      |   |   |   |  |  |                           |                                   |   |  |  |
| 12... | 1435 | 81341                                   | 1040  | <2.0  | 90                                     | 7  | 9.0                       | 5.0                               | 60  | 6.6  | 6.5  |
| OCT   |      |   |   |   |  |  |                           |                                   |   |  |  |
| 24... | 1300 | 81213                                   | 87  | 1.0   | --                                     | 3  | 4.6                       | 7.3                               | 79  | 6.8  | 7.2  |
| NOV   |      |   |   |   |  |  |                           |                                   |   |  |  |
| 06... | 1425 | 81341                                   | 47  | <2.0  | 45                                     | 2  | 4.0                       | 8.0                               | 89  | 6.9  | 7.3  |
| 13... | 1350 | 81213                                   | 47  | --  | --                                     | --   | --                        | 9.0                               | 90  | 6.8  | --   |
| 16... | 1405 | 81213                                   | 58  | --  | --                                     | --   | --                        | 9.8                               | 94  | 7.0  | --   |
| DEC   |      |   |   |   |  |  |                           |                                   |   |  |  |
| 05... | 1450 | 81341                                   | 177   | <2.0  | 12                                     | <1   | 3.0                       | 10.4                              | 89  | 6.9  | 7.3  |

**OCHLOCKONEE RIVER BASIN  
2000 Calendar Year**

**02328200 OCHLOCKONEE RIVER NEAR CALVARY, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 19... | 179   | 181   | 14.0  | 12.8  | 23   | <.03  | .9  | .260  | 6.6  | 460   |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 01... | --  | 117   | 16.5  | 9.5   | --   | --  | --  | --  | --   | 170   |
| 08... | --  | 139   | 17.0  | 7.6   | --   | --  | --  | --  | --   | 20  |
| 15... | 172   | 171   | 22.0  | 14.7  | 20   | .07   | .9  | .250  | 8.7  | 9000  |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 28... | 99  | 98  | 26.0  | 18.8  | 13   | .06   | .3  | .160  | 16   | --  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 25... | 136   | 138   | 21.0  | 17.9  | 12   | .07   | 1.7   | .470  | 13   | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 09... | 188   | 197   | 34.5  | 24.5  | 34   | .05   | 1.2   | .260  | 10   | 20  |
| 16... | --  | 211   | 33.5  | 25.9  | --   | --  | --  | --  | --   | <20   |
| 23... | --  | 260   | 34.0  | 26.9  | --   | --  | --  | --  | --   | 130   |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 06... | 271   | 276   | 30.5  | 28.5  | 53   | .06   | .4  | .150  | 7.3  | 50  |
| 06... | --  | 276   | 30.5  | 28.5  | --   | --  | --  | --  | --   | --  |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 18... | 302   | 308   | 36.0  | 30.3  | 57   | .04   | 1.1   | .280  | 9.8  | 220   |
| 25... | --  | 257   | 28.0  | 26.7  | --   | --  | --  | --  | --   | 210   |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 01... | --  | 225   | 28.0  | 28.0  | --   | --  | --  | --  | --   | 20  |
| 15... | 268   | 270   | 34.0  | 29.3  | 61   | .04   | .6  | .240  | 9.6  | <20   |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 12... | 89  | 93  | 30.0  | 24.9  | 11   | 1.20  | .4  | .160  | 18   | --  |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 24... | 174   | 174   | 24.5  | 20.0  | 36   | .04   | 1.2   | .200  | 9.7  | --  |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 06... | 218   | 215   | 27.0  | 20.8  | 42   | <.03  | 1.6   | .250  | 9.5  | <20   |
| 13... | --  | 247   | 24.5  | 15.8  | --   | --  | --  | --  | --   | 130   |
| 16... | --  | 256   | 22.0  | 13.7  | --   | --  | --  | --  | --   | 50  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 05... | 146   | 141   | 13.5  | 8.9   | --   | <.03  | .7  | .160  | 11   | 230   |

**OCHLOCKONEE RIVER BASIN  
2000 Calendar Year**

**02328200 OCHLOCKONEE RIVER NEAR CALVARY, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED SATUR-ATION (PER-CENT) (00301) | PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400) | SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095) | TEMPER-ATURE AIR (DEG C) (00020) | TEMPER-ATURE WATER (DEG C) (00010) | CALCIUM TOTAL RECOV-ERABLE (MG/L) (00916) | MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L) (00927) |
|-----------|------|--|---|-----------------------------------|---|--|---|----------------------------------|------------------------------------|---|---|
| JUN 06... | 1316 | 81213                                  | 25  | 6.4                               | 82  | 7.7  | 276                                     | 30.5                             | 28.5                               | 15  | 6.7   |
| OCT 24... | 1300 | 81213                                  | 87  | 7.3                               | 79  | 6.8  | 174                                     | 24.5                             | 20.0                               | 12  | 4.9   |

| DATE      | ANTI-MONY, TOTAL (UG/L) (01097) | ARSENIC TOTAL (UG/L) (01002) | CADMIUM WATER UNFLTRD TOTAL (UG/L) (01027) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L) (01034) | COPPER, TOTAL RECOV-ERABLE (UG/L) (01042) | LEAD, TOTAL RECOV-ERABLE (UG/L) (01051) | MERCURY TOTAL RECOV-ERABLE (UG/L) (71900) | NICKEL, TOTAL RECOV-ERABLE (UG/L) (01067) | SELE-NIUM, TOTAL (UG/L) (01147) | THAL-IUM, TOTAL (UG/L) (01059) | ZINC, TOTAL RECOV-ERABLE (UG/L) (01092) |
|-----------|---------------------------------|------------------------------|--|--|---|---|---|---|---------------------------------|--------------------------------|---|
| JUN 06... | <1.0                            | <2.0                         | <.5  | <1.0   | <1.0                                      | <1.0                                    | <.1                                       | <1.0                                      | <2.0                            | <2.0                           | 1.9                                     |
| OCT 24... | <1.0                            | <4.0                         | <.5  | <1.0   | <2.0                                      | <2.0                                    | <.1                                       | <1.0                                      | <4.0                            | <2.0                           | 4.0                                     |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02330453 CHATTAHOOCHEE RIVER AT NACOOCHEE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 34°41'13", long 83°42'37", White County, Hydrologic Unit 03130001, at bridge on Georgia Highways 17 and 75, 700 feet north of the intersection of Georgia Highways 17 and 75, 1.0 mile upstream from Dukes Creek, and, at Nacoochee.

**DRAINAGE AREA.--**47.5 mi<sup>2</sup>, revised.

**PERIOD OF RECORD.--**July 1977 to May 1979, July 1990 to December 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|--|---|--|--|
| JAN   |      |   |   |   |  |   |  |   |  |  |
| 20... | 1530 | 81213   | --  | .5  | 3  | 1.1                                     | 11.4   | 96  | 6.8  | 6.8  |
| FEB   |      |   |   |   |  |   |  |   |  |  |
| 02... | 1115 | 81213   | 92  | --  | --   | --                                      | 13.0   | 96  | 6.4  | --   |
| 08... | 1215 | 81213   | 91  | --  | --   | --                                      | 12.2   | 97  | 6.6  | --   |
| 16... | 1110 | 81213   | 126   | .4  | 2  | .9                                      | 11.1   | 95  | 6.6  | 6.9  |
| MAR   |      |   |   |   |  |   |  |   |  |  |
| 28... | 1150 | 81213   | 101   | .4  | 2  | 1.1                                     | 9.9  | 95  | 5.9  | 6.9  |
| APR   |      |   |   |   |  |   |  |   |  |  |
| 11... | 1020 | 81213   | 183   | .7  | 3  | 1.3                                     | 10.5   | 97  | 6.8  | 6.8  |
| MAY   |      |   |   |   |  |   |  |   |  |  |
| 16... | 1000 | 81213   | 95  | 1.9   | 2  | 1.1                                     | 9.6  | 94  | 6.7  | 7.0  |
| 23... | 1130 | 81213   | 99  | --  | --   | --                                      | 9.1  | 97  | 6.8  | --   |
| JUN   |      |   |   |   |  |   |  |   |  |  |
| 08... | 1150 | 81213   | 69  | --  | --   | --                                      | 9.3  | 97  | 6.9  | --   |
| 13... | 0950 | 81213   | 63  | .9  | 3  | 1.8                                     | 8.9  | 98  | 6.4  | 7.0  |
| JUL   |      |   |   |   |  |   |  |   |  |  |
| 13... | 0945 | 81213   | 58  | .2  | 3  | 2.0                                     | 8.1  | 94  | 6.9  | 7.1  |
| AUG   |      |   |   |   |  |   |  |   |  |  |
| 15... | 1000 | 81213   | 44  | .3  | 4  | 2.4                                     | 8.2  | 91  | 7.0  | 7.1  |
| 23... | 1030 | 81213   | 41  | --  | --   | --                                      | 8.5  | 95  | 6.8  | --   |
| 30... | 1030 | 81213   | 36  | --  | --   | --                                      | 8.1  | 93  | 7.2  | --   |
| SEP   |      |   |   |   |  |   |  |   |  |  |
| 12... | 1315 | 81213   | 42  | 2.3   | 4  | 1.6                                     | 7.6  | 89  | 6.9  | 7.0  |
| OCT   |      |   |   |   |  |   |  |   |  |  |
| 17... | 1015 | 81213   | 40  | .4  | <1   | 1.0                                     | 10.3   | 100   | 6.8  | 7.1  |
| NOV   |      |   |   |   |  |   |  |   |  |  |
| 06... | 1245 | 81213   | 41  | .7  | 2  | .8                                      | 9.5  | 94  | 6.8  | 6.9  |
| 13... | 1115 | 81213   | 57  | --  | --   | --                                      | 10.3   | 95  | 6.7  | --   |
| 28... | 1030 | 81213   | 74  | --  | --   | --                                      | 11.5   | 98  | 6.6  | --   |
| 29... | 1035 | 81213   | 73  | --  | --   | --                                      | 11.5   | 99  | 6.7  | --   |
| DEC   |      |   |   |   |  |   |  |   |  |  |
| 11... | 1145 | 81213   | 48  | 1.1   | <1   | .5                                      | 11.8   | 100   | 6.8  | 6.7  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02330453 CHATTAHOOCHEE RIVER AT NACOOCHEE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|--------------|---|--|---|---|---|---|---|---|--|---|
| JAN<br>20... | 15  | 16   | 4.3   | 6.0   | 10  | .02   | .04   | <.020   | 2.6  | <20   |
| FEB<br>02... | --  | 12   | 5.0   | 1.8   | --  | --  | --  | --  | --   | <20   |
| 08...        | --  | 13   | 11.5  | 4.6   | --  | --  | --  | --  | --   | <20   |
| 16...        | 15  | 12   | 17.0  | 7.0   | 10  | .03   | .04   | <.020   | 1.1  | 50  |
| MAR<br>28... | 15  | 12   | 17.5  | 10.9  | 10  | .02   | .04   | <.020   | .20  | --  |
| APR<br>11... | 14  | 11   | 18.0  | 10.4  | 8   | .03   | .03   | <.020   | .60  | --  |
| MAY<br>16... | 16  | 13   | 17.5  | 13.1  | 10  | .03   | .02   | <.020   | .60  | 110   |
| 23...        | --  | 14   | 24.0  | 16.3  | --  | --  | --  | --  | --   | 3500  |
| JUN<br>08... | --  | 14   | 22.5  | 15.8  | --  | --  | --  | --  | --   | 130   |
| 13...        | 18  | 13   | 27.0  | 18.6  | 10  | .04   | .04   | <.020   | .60  | 170   |
| JUL<br>13... | 18  | 16   | 27.5  | 20.7  | 9   | .05   | .1  | <.020   | .40  | --  |
| AUG<br>15... | 19  | 17   | 24.5  | 18.6  | 9   | .06   | .1  | <.020   | .70  | 50  |
| 23...        | --  | 17   | 24.5  | 19.0  | --  | --  | --  | --  | --   | 220   |
| 30...        | --  | 18   | 25.5  | 20.1  | --  | --  | --  | --  | --   | 330   |
| SEP<br>12... | 19  | 17   | 28.5  | 21.0  | 8   | .04   | .1  | <.020   | .80  | 81  |
| OCT<br>17... | 20  | 16   | 18.0  | 12.2  | 9   | .05   | <.020   | <.020   | .60  | --  |
| NOV<br>06... | 21  | 19   | 14.0  | 12.9  | 9   | .10   | <.020   | <.020   | .80  | 20  |
| 13...        | --  | 16   | 14.5  | 9.8   | --  | --  | --  | --  | --   | 20  |
| 28...        | --  | 14   | 11.0  | 6.4   | --  | --  | --  | --  | --   | 20  |
| 29...        | --  | 14   | 8.0   | 7.0   | --  | --  | --  | --  | --   | 170   |
| DEC<br>11... | 20  | 16   | 8.0   | 6.3   | 7   | .07   | .1  | <.020   | .30  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02330453 CHATTAHOOCHEE RIVER AT NACOOCHEE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| MAR<br>28... | 1150 | 81213   | 101   | 9.9   | 95  | 5.9  | 12   | 17.5  | 10.9  | .7   | .4   |
| AUG<br>15... | 1000 | 81213   | 44  | 8.2   | 91  | 7.0  | 17   | 24.5  | 18.6  | 1.2  | .5   |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>28... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 1.3  |
| AUG<br>15... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 6.5  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02331000 CHATTAHOOCHEE RIVER NEAR LEAF, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 34°34'37", long 83°38'09", White-Habersham County line, Hydrologic Unit 03130001, at bridge on Georgia Highway 115, 3.0 miles upstream from Soque River, 1.5 miles east of Leaf, and at mile 405.6.

**DRAINAGE AREA.**--150 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--February 1968 to January 1972, April 1995 to December 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY ANALYZING SAMPLE NUMBER (00028) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530) | TUR-BID-ITY (NTU) (00076) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, PH SOLVED (PER-CENT SATUR-ATION) (00301) | PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400) | PH WATER WHOLE LAB (STAND-ARD UNITS) (00403) | SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095) | SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (00095) | TEMPER-ATURE AIR (DEG C) (00020) |
|-------|------|--|---|---|--|---------------------------|-----------------------------------|--|--|--|---|---|----------------------------------|
| JAN   |      |  |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 19... | 0930 | 81213                                  | E553  | .7  | 3  | 1.8                       | 10.8                              | 91.1   | 6.7  | 7.0  | 24  | 24  | 5.3                              |
| FEB   |      |  |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 03... | 1000 | 81213                                  | E539  | --  | --   | --                        | 12.6                              | 98.1   | 7.0  | --   | --  | 26  | 3.0                              |
| 08... | 1235 | 81213                                  | E484  | --  | --   | --                        | 12.2                              | 99.9   | 7.1  | --   | --  | 20  | 13.0                             |
| 17... | 1130 | 81213                                  | E627  | 1.0   | 2  | 2.7                       | 11.0                              | 99.8   | 7.1  | 7.0  | 24  | 24  | 15.5                             |
| MAR   |      |  |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 02... | 1000 | 81213                                  | E491  | .5  | 1  | 2.1                       | 10.7                              | 100  | 7.1  | 7.1  | 23  | 25  | 16.0                             |
| APR   |      |  |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 10... | 0820 | 81213                                  | E870  | .8  | 2  | 2.7                       | 9.8                               | 89.0   | 6.9  | 7.1  | 22  | 20  | 3.5                              |
| MAY   |      |  |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 16... | 0840 | 81213                                  | E476  | --  | --   | --                        | 8.8                               | 92.8   | 7.1  | --   | --  | 22  | 17.0                             |
| 18... | 1105 | 81213                                  | E497  | .9  | 4  | 2.5                       | 10.0                              | 108  | 7.3  | 6.9  | 23  | 20  | 27.2                             |
| 22... | 0915 | 81213                                  | E468  | --  | --   | --                        | 8.6                               | 94.8   | 7.2  | --   | --  | 19  | 19.5                             |
| JUN   |      |  |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 05... | 0900 | 81213                                  | E396  | .4  | 3  | 3.1                       | 8.2                               | 93.6   | 6.6  | 7.1  | 24  | 23  | 20.3                             |
| JUL   |      |  |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 17... | 0845 | 81213                                  | E237  | .8  | 5  | 4.1                       | 7.9                               | 93.7   | 7.2  | 7.2  | 25  | 23  | 27.6                             |
| 24... | 1310 | 81213                                  | E296  | --  | --   | --                        | 8.8                               | 108  | 7.4  | --   | --  | 24  | 27.9                             |
| 31... | 0830 | 81213                                  | E429  | --  | --   | --                        | 7.6                               | 89.5   | 7.0  | --   | --  | 24  | 24.1                             |
| AUG   |      |  |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 08... | 0830 | 81213                                  | E275  | .8  | 7  | 7.1                       | 7.5                               | 91.6   | 7.2  | 7.1  | 26  | 24  | 24.5                             |
| SEP   |      |  |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 11... | 0810 | 81213                                  | E210  | .6  | 5  | 5.3                       | 8.2                               | 93.5   | 7.1  | 7.2  | 27  | 25  | 22.0                             |
| 18... | 0825 | 81213                                  | E166  | --  | --   | --                        | 8.5                               | 91.1   | 7.0  | --   | --  | 27  | 15.1                             |
| 25... | 0835 | 81213                                  | E371  | --  | --   | --                        | 7.7                               | 89.5   | 7.0  | --   | --  | 28  | 23.5                             |
| OCT   |      |  |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 04... | 0910 | 81213                                  | E195  | .4  | 3  | 3.8                       | 8.7                               | 93.1   | 7.3  | 7.2  | 28  | 28  | 19.6                             |
| NOV   |      |  |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 02... | 0935 | 81213                                  | E176  | .5  | 4  | 2.2                       | 9.4                               | 92.8   | 6.8  | 7.1  | 29  | 30  | 17.5                             |
| DEC   |      |  |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 04... | 1230 | 81213                                  | E291  | .2  | 2  | 1.5                       | 12.1                              | 100  | 7.4  | 7.0  | 28  | 28  | 5.8                              |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02331000 CHATTAHOOCHEE RIVER NEAR LEAF, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|--|---|---|---|--|---|
| JAN   |  |  |   |   |   |  |   |
| 19... | 6.7                                    | 11   | .02   | .3  | <.020   | 1.3  | 20  |
| FEB   |  |  |   |   |   |  |   |
| 03... | 3.2                                    | --   | --  | --  | --  | --   | <20   |
| 08... | 5.9                                    | --   | --  | --  | --  | --   | 20  |
| 17... | 9.8                                    | 11   | .04   | .3  | <.020   | 1.0  | 20  |
| MAR   |  |  |   |   |   |  |   |
| 02... | 10.5                                   | 12   | .03   | .2  | <.020   | .40  | --  |
| APR   |  |  |   |   |   |  |   |
| 10... | 9.9                                    | 11   | .03   | .2  | <.020   | .50  | --  |
| MAY   |  |  |   |   |   |  |   |
| 16... | 16.3                                   | --   | --  | --  | --  | --   | 110   |
| 18... | 17.7                                   | 11   | .05   | .2  | <.020   | .40  | 50  |
| 22... | 18.5                                   | --   | --  | --  | --  | --   | 20  |
| JUN   |  |  |   |   |   |  |   |
| 05... | 19.7                                   | 13   | .04   | .2  | <.020   | .90  | 490   |
| JUL   |  |  |   |   |   |  |   |
| 17... | 22.0                                   | 11   | .01   | .1  | <.020   | 3.9  | 330   |
| 24... | 23.5                                   | --   | --  | --  | --  | --   | 790   |
| 31... | 22.0                                   | --   | --  | --  | --  | --   | 16000   |
| AUG   |  |  |   |   |   |  |   |
| 08... | 23.6                                   | 12   | .05   | .2  | <.020   | .80  | 700   |
| SEP   |  |  |   |   |   |  |   |
| 11... | 20.3                                   | 12   | .02   | .1  | <.020   | .70  | 330   |
| 18... | 17.1                                   | --   | --  | --  | --  | --   | 50  |
| 25... | 20.5                                   | --   | --  | --  | --  | --   | 490   |
| OCT   |  |  |   |   |   |  |   |
| 04... | 17.4                                   | 12   | .04   | .1  | <.020   | 1.8  | 330   |
| NOV   |  |  |   |   |   |  |   |
| 02... | 13.6                                   | 13   | .05   | .1  | <.020   | 8.4  | --  |
| DEC   |  |  |   |   |   |  |   |
| 04... | 6.3                                    | 10   | .05   | .2  | <.020   | 1.6  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02331000 CHATTAHOOCHEE RIVER NEAR LEAF, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>WHOLE<br>FIELD<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|---|--|
| MAR<br>02... | 1000 | 81213   | E491  | 10.7  | 100   | 7.1  | 25   | 16.0  | 10.5  | 1.4  | .6   | <1.0  | <2.0   |
| AUG<br>08... | 0830 | 81213   | E275  | 7.5   | 91.6  | 7.2  | 24   | 24.5  | 23.6  | 1.8  | .7   | <1.0  | <2.0   |

| DATE         | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|--|---|--|--|--|--|---|---|--|
| MAR<br>02... | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 2.5  |
| AUG<br>08... | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 2.2  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02331200 SOQUE RIVER AT GEORGIA HIGHWAY 197, NEAR CLARKESVILLE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 34°42'40", long 83°34'24", Habersham County, Hydrologic Unit 03130001, at bridge on Georgia Highway 197, 0.8 mile downstream from Shoal Branch, and 8.5 miles northwest of Clarkesville.

**DRAINAGE AREA.**--35.0 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--August 1976; January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>CHARGE,<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|--|---|---|---|---|--|---|--|--|
| JAN   |      |  |   |   |   |   |  |   |  |  |
| 19... | 1220 | 81213  | 84  | 1.5   | 2   | 1.3                                     | 11.3   | 95  | 7.0  | 7.1  |
| FEB   |      |  |   |   |   |   |  |   |  |  |
| 03... | 1130 | 81213  | 87  | --  | --  | --                                      | 13.1   | 101   | 6.9  | --   |
| 08... | 1105 | 81213  | 79  | --  | --  | --                                      | 12.6   | 102   | 7.0  | --   |
| 17... | 1240 | 81213  | 92  | .9  | <1  | 2.1                                     | 11.1   | 100   | 7.1  | 7.0  |
| MAR   |      |  |   |   |   |   |  |   |  |  |
| 02... | 1150 | 81213  | 87  | .4  | <1  | 1.8                                     | 11.1   | 104   | 7.0  | 7.1  |
| APR   |      |  |   |   |   |   |  |   |  |  |
| 10... | 1020 | 81213  | 124   | .5  | 1   | 1.7                                     | 10.3   | 91  | 7.1  | 7.0  |
| MAY   |      |  |   |   |   |   |  |   |  |  |
| 16... | 1005 | 81213  | 92  | --  | --  | --                                      | 10.2   | 105   | 7.3  | --   |
| 18... | 0925 | 81213  | 85  | .7  | 4   | 1.9                                     | 9.9  | 103   | 7.1  | 6.9  |
| 22... | 1020 | 81213  | 88  | --  | --  | --                                      | 9.1  | 100   | 7.2  | --   |
| JUN   |      |  |   |   |   |   |  |   |  |  |
| 05... | 0735 | 81213  | 70  | .2  | <1  | 4.4                                     | 8.4  | 94  | 6.8  | 7.0  |
| JUL   |      |  |   |   |   |   |  |   |  |  |
| 17... | 1030 | 81213  | 45  | .4  | 16  | 6.8                                     | 8.9  | 103   | 7.3  | 7.2  |
| 24... | 1115 | 81213  | 69  | --  | --  | --                                      | 8.7  | 102   | 7.2  | --   |
| 31... | 1005 | 81213  | 92  | --  | --  | --                                      | 8.6  | 98  | 7.1  | --   |
| AUG   |      |  |   |   |   |   |  |   |  |  |
| 08... | 1010 | 81213  | 56  | .6  | 11  | 8.6                                     | 8.8  | 103   | 7.3  | 7.1  |
| SEP   |      |  |   |   |   |   |  |   |  |  |
| 11... | 1020 | 81213  | 42  | .4  | 2   | 3.2                                     | 9.5  | 107   | 7.4  | 7.4  |
| 18... | 0715 | 81213  | 32  | --  | --  | --                                      | 9.0  | 93  | 7.0  | --   |
| 25... | 0725 | 81213  | 57  | --  | --  | --                                      | 8.2  | 93  | 7.1  | --   |
| OCT   |      |  |   |   |   |   |  |   |  |  |
| 04... | 1100 | 81213  | 41  | 1.2   | 2   | 2.6                                     | 9.5  | 101   | 7.4  | 7.2  |
| NOV   |      |  |   |   |   |   |  |   |  |  |
| 02... | 0810 | 81213  | 34  | .6  | 2   | 1.5                                     | 9.9  | 94  | 6.9  | 7.1  |
| DEC   |      |  |   |   |   |   |  |   |  |  |
| 04... | 1110 | 81213  | 54  | .2  | 3   | 1.5                                     | 12.6   | 99  | 7.3  | 6.9  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02331200 SOQUE RIVER AT GEORGIA HIGHWAY 197, NEAR CLARKESVILLE, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 19... | 25  | 25  | 8.5   | 6.0   | 12   | .04   | .3  | <.020   | 1.7  | 20  |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 03... | --  | 25  | 4.0   | 2.9   | --   | --  | --  | --  | --   | 20  |
| 08... | --  | 21  | 9.5   | 5.2   | --   | --  | --  | --  | --   | 90  |
| 17... | 24  | 25  | 18.0  | 9.1   | 11   | .04   | .5  | <.020   | .90  | 20  |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 02... | 24  | 25  | 18.4  | 10.6  | 13   | <.01  | .3  | <.020   | .50  | --  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 10... | 22  | 22  | 11.9  | 8.7   | 12   | .04   | .3  | .020  | .50  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 16... | --  | 22  | 20.0  | 15.2  | --   | --  | --  | --  | --   | 110   |
| 18... | 22  | 20  | 22.8  | 15.6  | 9  | .06   | .2  | <.020   | .60  | 50  |
| 22... | --  | 19  | 18.1  | 17.9  | --   | --  | --  | --  | --   | 20  |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 05... | 23  | 23  | 18.5  | 18.4  | 11   | .04   | .4  | .020  | .90  | 110   |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 17... | 24  | 22  | 29.6  | 20.4  | 11   | .05   | .3  | .030  | 1.0  | 20  |
| 24... | --  | 24  | 29.5  | 20.8  | --   | --  | --  | --  | --   | 2200  |
| 31... | --  | 24  | 25.9  | 20.3  | --   | --  | --  | --  | --   | 420   |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 08... | 26  | 25  | 28.1  | 21.5  | 11   | .04   | .3  | .020  | .80  | 460   |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 11... | 27  | 24  | 27.1  | 19.2  | 12   | .01   | .3  | <.020   | .60  | 80  |
| 18... | --  | 27  | 13.4  | 14.9  | --   | --  | --  | --  | --   | 110   |
| 25... | --  | 30  | 22.4  | 19.5  | --   | --  | --  | --  | --   | 1300  |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 04... | 29  | 29  | 25.0  | 16.3  | 12   | .04   | .3  | <.020   | 1.8  | 170   |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 02... | 29  | 29  | 8.0   | 11.8  | 12   | .05   | .2  | <.020   | 4.4  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 04... | 27  | 29  | 6.5   | 4.3   | 10   | .05   | .3  | <.020   | 1.5  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02331200 SOQUE RIVER AT GEORGIA HIGHWAY 197, NEAR CLARKESVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE NUMBER<br>(CODE PER SECOND)<br>(00028) | DIS-CHARGE, INST. CUBIC FEET<br>(00061) | OXYGEN, DIS-SOLVED (MG/L)<br>(00300) | OXYGEN, (PER-CENT SATURATION)<br>(00301) | PH WATER WHOLE FIELD (STANDARD AIR UNITS)<br>(00400) | SPE-CIFIC CON-DUCT-ANCE (US/CM)<br>(00095) | TEMPER-ATURE AIR WATER (DEG C)<br>(00020) | TEMPER-ATURE WATER (DEG C)<br>(00010) | CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)<br>(00916) | MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)<br>(00927) |
|-----------|------|---|---|--------------------------------------|--|--|--|---|---------------------------------------|--|--|
| MAR 02... | 1150 | 81213   | 87                                      | 11.1                                 | 104                                      | 7.0  | 25   | 18.4                                      | 10.6                                  | 1.4  | .7   |
| AUG 08... | 1010 | 81213   | 56                                      | 8.8                                  | 103                                      | 7.3  | 25   | 28.1                                      | 21.5                                  | 1.8  | .8   |

| DATE      | ANTI-MONY, TOTAL (UG/L AS SB)<br>(01097) | ARSENIC TOTAL (UG/L AS AS)<br>(01002) | CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD)<br>(01027) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)<br>(01034) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)<br>(01042) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)<br>(01051) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)<br>(71900) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)<br>(01067) | SELE-NIUM, TOTAL RECOV-ERABLE (UG/L AS SE)<br>(01147) | THAL-IUM, TOTAL RECOV-ERABLE (UG/L AS TL)<br>(01059) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)<br>(01092) |
|-----------|--|---------------------------------------|---|---|--|--|--|--|---|--|--|
| MAR 02... | <1.0                                     | <2.0                                  | <.5   | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0   | 1.7  |
| AUG 08... | <1.0                                     | <2.0                                  | <.5   | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0   | 3.6  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02331500 SOQUE RIVER NEAR DEMOREST, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 34°34'23", long 83°35'27", Habersham County, Hydrologic Unit 03130001, at bridge on Georgia Highway 105 2.5 miles west of Demorest.

**DRAINAGE AREA.--**156 mi<sup>2</sup>.

**PERIOD OF RECORD.--**April 1995 to December 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD)<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD)<br>UNITS)<br>(00403) |
|-------|------|---|--|---|---|---|--|---|---|---|
| JAN   |      |   |  |   |   |   |  |   |   |   |
| 19... | 1055 | 81213   | 224  | 1.4   | 6   | 7.6                                     | 11.0   | 93  | 6.9   | 7.1   |
| FEB   |      |   |  |   |   |   |  |   |   |   |
| 03... | 1045 | 81213   | 226  | --  | --  | --                                      | 12.9   | 101   | 7.0   | --  |
| 08... | 1200 | 81213   | 217  | --  | --  | --                                      | 12.7   | 103   | 7.2   | --  |
| 17... | 1210 | 81213   | 257  | 1.1   | 5   | 11                                      | 10.8   | 98  | 7.2   | 7.1   |
| MAR   |      |   |  |   |   |   |  |   |   |   |
| 02... | 1050 | 81213   | 212  | 1.0   | 2   | 5.4                                     | 10.9   | 103   | 7.2   | 7.1   |
| APR   |      |   |  |   |   |   |  |   |   |   |
| 10... | 0915 | 81213   | 329  | .9  | 5   | 8.4                                     | 9.8  | 91  | 7.0   | 7.1   |
| MAY   |      |   |  |   |   |   |  |   |   |   |
| 16... | 0910 | 81213   | 188  | --  | --  | --                                      | 9.0  | 98  | 7.1   | --  |
| 18... | 1020 | 81213   | 197  | .9  | 8   | 6.4                                     | 9.7  | 105   | 7.2   | 6.9   |
| 22... | 0935 | 81213   | 142  | --  | --  | --                                      | 8.5  | 97  | 7.3   | --  |
| JUN   |      |   |  |   |   |   |  |   |   |   |
| 05... | 0825 | 81213   | 142  | .5  | 6   | 8.9                                     | 7.9  | 93  | 6.7   | 7.1   |
| JUL   |      |   |  |   |   |   |  |   |   |   |
| 17... | 0935 | 81213   | 93   | .6  | 5   | 7.1                                     | 8.4  | 102   | 7.2   | 7.1   |
| 24... | 1220 | 81213   | 97   | --  | --  | --                                      | 8.2  | 101   | 7.2   | --  |
| 31... | 0900 | 81213   | 174  | --  | --  | --                                      | 7.7  | 94  | 7.0   | --  |
| AUG   |      |   |  |   |   |   |  |   |   |   |
| 08... | 0900 | 81213   | 112  | .8  | 7   | 10                                      | 7.5  | 93  | 7.2   | 7.2   |
| SEP   |      |   |  |   |   |   |  |   |   |   |
| 11... | 0910 | 81213   | 88   | .4  | 5   | 7.1                                     | 8.4  | 96  | 7.3   | 7.3   |
| 18... | 0750 | 81213   | 8.8  | --  | --  | --                                      | 8.5  | 92  | 7.0   | --  |
| 25... | 0805 | 81213   | 9.8  | --  | --  | --                                      | 8.1  | 96  | 7.2   | --  |
| OCT   |      |   |  |   |   |   |  |   |   |   |
| 04... | 1000 | 81213   | 87   | .6  | 5   | 6.8                                     | 8.6  | 93  | 7.3   | 7.2   |
| NOV   |      |   |  |   |   |   |  |   |   |   |
| 02... | 0900 | 81213   | 76   | .7  | 2   | 3.6                                     | 9.4  | 92  | 6.8   | 7.2   |
| DEC   |      |   |  |   |   |   |  |   |   |   |
| 04... | 1200 | 81213   | 126  | .3  | 3   | 3.7                                     | 12.5   | 100   | 7.4   | 7.1   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02331500 SOQUE RIVER NEAR DEMOREST, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|---|---|---|---|--|---|
| JAN   |   |   |   |   |   |   |   |   |  |   |
| 19... | 42  | 42  | 4.5   | 6.8   | 14  | .11   | .8  | .020  | 2.9  | 70  |
| FEB   |   |   |   |   |   |   |   |   |  |   |
| 03... | --  | 43  | 4.0   | 3.6   | --  | --  | --  | --  | --   | 70  |
| 08... | --  | 40  | 11.0  | 5.7   | --  | --  | --  | --  | --   | 40  |
| 17... | 37  | 37  | 16.0  | 9.9   | 12  | .10   | .8  | .030  | 1.3  | 130   |
| MAR   |   |   |   |   |   |   |   |   |  |   |
| 02... | 40  | 42  | 16.5  | 11.2  | 13  | .06   | .7  | <.020   | .90  | --  |
| APR   |   |   |   |   |   |   |   |   |  |   |
| 10... | 34  | 33  | 4.3   | 11.0  | 12  | .07   | .7  | .040  | 1.0  | --  |
| MAY   |   |   |   |   |   |   |   |   |  |   |
| 16... | --  | 38  | 19.0  | 17.7  | --  | --  | --  | --  | --   | 130   |
| 18... | 38  | 37  | 27.0  | 17.7  | 13  | .10   | .6  | .030  | .70  | 40  |
| 22... | --  | 20  | 22.6  | 20.0  | --  | --  | --  | --  | --   | 20  |
| JUN   |   |   |   |   |   |   |   |   |  |   |
| 05... | 37  | 36  | 20.2  | 21.4  | 13  | .08   | .6  | .050  | 1.6  | 40  |
| JUL   |   |   |   |   |   |   |   |   |  |   |
| 17... | 34  | 34  | 28.0  | 23.1  | 13  | .04   | .5  | .040  | 1.4  | 20  |
| 24... | --  | 36  | 27.6  | 23.7  | --  | --  | --  | --  | --   | 20  |
| 31... | --  | 33  | 24.8  | 23.9  | --  | --  | --  | --  | --   | 170   |
| AUG   |   |   |   |   |   |   |   |   |  |   |
| 08... | 35  | 34  | 27.0  | 24.5  | 14  | .08   | .5  | .040  | 1.4  | 130   |
| SEP   |   |   |   |   |   |   |   |   |  |   |
| 11... | 41  | 38  | 24.8  | 20.6  | 14  | .04   | .5  | .030  | 1.0  | 110   |
| 18... | --  | 42  | 14.5  | 17.5  | --  | --  | --  | --  | --   | 50  |
| 25... | --  | 39  | 23.3  | 21.9  | --  | --  | --  | --  | --   | 110   |
| OCT   |   |   |   |   |   |   |   |   |  |   |
| 04... | 41  | 41  | 21.0  | 17.8  | 14  | .04   | .5  | .030  | 2.1  | 80  |
| NOV   |   |   |   |   |   |   |   |   |  |   |
| 02... | 47  | 48  | 12.4  | 13.4  | 15  | .07   | .3  | .020  | 6.9  | --  |
| DEC   |   |   |   |   |   |   |   |   |  |   |
| 04... | 38  | 38  | 4.3   | 5.2   | 13  | .07   | .6  | <.020   | 2.0  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02331500 SOQUE RIVER NEAR DEMOREST, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|--|---|---|---|--|--|---|---|--|--|
| MAR<br>02... | 1050 | 81213  | 212   | 10.9  | 103   | 7.2  | 42   | 16.5  | 11.2  | 2.3  | .9   |
| AUG<br>08... | 0900 | 81213  | 112   | 7.5   | 93  | 7.2  | 34   | 27.0  | 24.5  | 2.2  | 1  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>02... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 2.4  |
| AUG<br>08... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | 1.0  | <.1  | <1.0   | <2.0  | <2.0  | 3.1  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 34°32'27", long 83°37'14", Habersham-White County line, Hydrologic Unit 03130001, at bridge on Duncan Bridge Road (Georgia Highway 384), 1.0 mile downstream from Soque River, 6.0 miles northwest of Cornelia, and at mile 401.4.

**DRAINAGE AREA.**--315 mi<sup>2</sup>.

**PERIOD OF RECORD.**--February 1968 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|--|---|--|--|
| JAN   |      |   |   |   |  |   |  |   |  |  |
| 19... | 0825 | 81213   | 552   | .8  | 3  | 4.2                                     | 10.7   | 90  | 6.0  | 7.0  |
| FEB   |      |   |   |   |  |   |  |   |  |  |
| 03... | 0900 | 81213   | 538   | --  | --   | --                                      | 12.9   | 99  | 6.8  | --   |
| 08... | 1310 | 81213   | 483   | --  | --   | --                                      | 12.6   | 102   | 7.2  | --   |
| 17... | 1010 | 81213   | 629   | 1.2   | <1   | 6.1                                     | 11.0   | 99  | 6.9  | 7.1  |
| MAR   |      |   |   |   |  |   |  |   |  |  |
| 02... | 0910 | 81213   | 488   | .6  | 4  | 3.6                                     | 10.4   | 97  | 6.9  | 7.1  |
| APR   |      |   |   |   |  |   |  |   |  |  |
| 10... | 0715 | 81213   | 876   | 1.2   | 3  | 5.6                                     | 10.1   | 93  | 6.9  | 7.0  |
| MAY   |      |   |   |   |  |   |  |   |  |  |
| 16... | 0755 | 81213   | 465   | --  | --   | --                                      | 9.6  | 104   | 7.2  | --   |
| 18... | 1205 | 81213   | 500   | .7  | 6  | 3.8                                     | 9.5  | 104   | 7.3  | 6.9  |
| 22... | 0850 | 81213   | 465   | --  | --   | --                                      | 8.7  | 99  | 7.3  | --   |
| JUN   |      |   |   |   |  |   |  |   |  |  |
| 05... | 0935 | 81213   | 380   | .4  | 5  | 5.6                                     | 8.1  | 93  | 6.7  | 7.1  |
| JUL   |      |   |   |   |  |   |  |   |  |  |
| 17... | 0755 | 81213   | 236   | .8  | 4  | 4.3                                     | 7.0  | 84  | 7.0  | 7.2  |
| 24... | 1355 | 81213   | 320   | --  | --   | --                                      | 8.6  | 105   | 7.4  | --   |
| 31... | 0740 | 81213   | 421   | --  | --   | --                                      | 7.5  | 90  | 6.8  | --   |
| AUG   |      |   |   |   |  |   |  |   |  |  |
| 08... | 0740 | 81213   | 282   | .8  | 8  | 8.7                                     | 7.2  | 88  | 7.1  | 7.2  |
| SEP   |      |   |   |   |  |   |  |   |  |  |
| 11... | 0710 | 81213   | 216   | .6  | 4  | 5.5                                     | 8.1  | 93  | 7.1  | 7.2  |
| 18... | 0850 | 81213   | 158   | --  | --   | --                                      | 8.1  | 89  | 7.0  | --   |
| 25... | 0900 | 81213   | 295   | --  | --   | --                                      | 7.9  | 92  | 7.1  | --   |
| OCT   |      |   |   |   |  |   |  |   |  |  |
| 04... | 0815 | 81213   | 192   | .6  | 4  | 4.9                                     | 8.3  | 90  | 7.2  | 7.4  |
| NOV   |      |   |   |   |  |   |  |   |  |  |
| 02... | 1030 | 81213   | 176   | .8  | 3  | 2.5                                     | 9.6  | 95  | 6.9  | 7.1  |
| DEC   |      |   |   |   |  |   |  |   |  |  |
| 04... | 1300 | 81213   | 287   | .3  | 2  | 2.4                                     | 12.4   | 101   | 7.4  | 7.1  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |  |   |   |   |  |   |
| 19... | 31  | 31   | 3.3   | 6.6   | 12   | .03   | .5  | <.020   | 2.0  | 80  |
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 03... | --  | 34   | 2.2   | 2.7   | --   | --  | --  | --  | --   | 40  |
| 08... | --  | 29   | 13.0  | 5.6   | --   | --  | --  | --  | --   | <20   |
| 17... | 32  | 33   | 15.0  | 9.3   | 12   | .06   | .5  | .020  | 1.2  | 80  |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 02... | 33  | 31   | 15.5  | 10.5  | 13   | .03   | .4  | <.020   | .70  | --  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 10... | 26  | 26   | 3.5   | 10.6  | 11   | .05   | .4  | .020  | .80  | --  |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 16... | --  | 32   | 18.5  | 17.6  | --   | --  | --  | --  | --   | 20  |
| 18... | 28  | 27   | 29.4  | 18.3  | 11   | .06   | .3  | .020  | .50  | 20  |
| 22... | --  | 20   | 18.9  | 19.9  | --   | --  | --  | --  | --   | <20   |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 05... | 28  | 27   | 21.5  | 21.0  | 12   | .06   | .4  | .030  | 1.4  | 20  |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 17... | 32  | 31   | 22.6  | 22.8  | 12   | .03   | .3  | .020  | .80  | 80  |
| 24... | --  | 29   | 30.6  | 24.1  | --   | --  | --  | --  | --   | 140   |
| 31... | --  | 29   | 24.3  | 23.3  | --   | --  | --  | --  | --   | 200   |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 08... | 31  | 30   | 22.8  | 24.1  | 14   | .05   | .3  | .020  | 1.3  | 70  |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 11... | 35  | 32   | 17.7  | 20.7  | 13   | .02   | .3  | <.020   | 1.1  | 20  |
| 18... | --  | 35   | 17.9  | 18.2  | --   | --  | --  | --  | --   | 220   |
| 25... | --  | 32   | 24.2  | 21.2  | --   | --  | --  | --  | --   | 460   |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 04... | 39  | 39   | 13.3  | 17.9  | 14   | .03   | .3  | <.020   | 1.7  | 230   |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 02... | 37  | 37   | 19.9  | 14.0  | 14   | .06   | .1  | <.020   | 7.2  | --  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 04... | 32  | 33   | 7.0   | 5.6   | 12   | .05   | .4  | <.020   | 1.7  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED,<br>(PER-<br>CENT<br>SOLVED<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|--|---|--|---|--|--|---|---|--|--|
| MAR<br>02... | 0910 | 81213  | 488   | 10.4   | 97  | 6.9  | 31   | 15.5  | 10.5  | 1.9  | .8   |
| AUG<br>08... | 0740 | 81213  | 282   | 7.2  | 88  | 7.1  | 30   | 22.8  | 24.1  | 2.0  | .9   |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>02... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 1.8  |
| AUG<br>08... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 1.6  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02331768 MOSSY CREEK AT GEORGIA HIGHWAY 254 NEAR CLEVELAND, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 34°32'07", long 83°41'15", White County, Hydrologic Unit 03130001, at bridge on Georgia Highway 254, 1.5 miles upstream from Dean Creek, and 5.0 miles southeast of Cleveland.

**DRAINAGE AREA.--**16.8 mi<sup>2</sup>.

**PERIOD OF RECORD.--**April 1995 to December 1995, January 2000 to December 2000 (discontinued).

**REMARKS.--**Laboratory analyses with analyzing agency code 81341 are by the Georgia Department of Natural Resources, Environmental Protection Division, Laboratory Operations Program. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Ocala Water Quality and Research Laboratory. 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST-<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>ARDS)<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>ARDS)<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|---|---|---|
| JAN   |      |   |   |   |   |   |   |   |   |   |
| 20... | 1135 | 81213   | --  | 1.0   | 8   | 10                                      | 10.8  | 94  | 6.9   | 7.0   |
| FEB   |      |   |   |   |   |   |   |   |   |   |
| 02... | 1015 | 81213   | --  | --  | --  | --                                      | 12.1  | 94  | 6.7   | --  |
| 08... | 1315 | 81213   | 23  | --  | --  | --                                      | 11.1  | 97  | 6.8   | --  |
| 16... | 1215 | 81213   | 30  | .5  | 5   | 7.2                                     | 9.8   | 91  | 6.7   | 7.1   |
| MAR   |      |   |   |   |   |   |   |   |   |   |
| 28... | 1250 | 81213   | 21  | 1.6   | 9   | 9.2                                     | 9.3   | 96  | 7.1   | 7.3   |
| APR   |      |   |   |   |   |   |   |   |   |   |
| 11... | 1120 | 81213   | 32  | .7  | 10  | 9.7                                     | 9.6   | 95  | 6.6   | 7.2   |
| MAY   |      |   |   |   |   |   |   |   |   |   |
| 16... | 1115 | 81213   | 22  | 1.9   | 8   | 7.2                                     | 8.8   | 93  | 6.9   | 7.1   |
| 23... | 1250 | 81213   | 24  | --  | --  | --                                      | 8.5   | 95  | 6.8   | --  |
| JUN   |      |   |   |   |   |   |   |   |   |   |
| 08... | 1220 | 81213   | 17  | --  | --  | --                                      | 8.6   | 94  | 6.9   | --  |
| 13... | 1115 | 81213   | 15  | 1.3   | 20  | 20                                      | 8.2   | 94  | 6.5   | 7.2   |
| JUL   |      |   |   |   |   |   |   |   |   |   |
| 13... | 1115 | 81213   | 16  | .5  | 26  | 29                                      | 7.6   | 91  | 6.8   | 7.2   |
| AUG   |      |   |   |   |   |   |   |   |   |   |
| 15... | 1130 | 81213   | 12  | 4.1   | 17  | 21                                      | 7.7   | 89  | 6.9   | 7.2   |
| 23... | 1000 | 81213   | 12  | --  | --  | --                                      | 8.2   | 91  | 6.8   | --  |
| 30... | 0945 | 81213   | 13  | --  | --  | --                                      | 8.0   | 92  | --  | --  |
| SEP   |      |   |   |   |   |   |   |   |   |   |
| 12... | 1100 | 81213   | 13  | 1.2   | 19  | 21                                      | 7.4   | 86  | 6.8   | 7.1   |
| OCT   |      |   |   |   |   |   |   |   |   |   |
| 17... | 1115 | 81213   | 11  | .7  | 6   | 9.7                                     | 9.2   | 93  | 6.6   | 7.1   |
| NOV   |      |   |   |   |   |   |   |   |   |   |
| 06... | 1130 | 81213   | 15  | .9  | 8   | 9.7                                     | 9.2   | 92  | 6.9   | 7.1   |
| 13... | 1040 | 81213   | 20  | --  | --  | --                                      | 10.3  | 95  | 6.8   | --  |
| 28... | 1000 | 81213   | 23  | --  | --  | --                                      | 11.1  | 96  | 6.8   | --  |
| 29... | 1010 | 81213   | 23  | --  | --  | --                                      | 10.7  | 95  | 6.8   | --  |
| DEC   |      |   |   |   |   |   |   |   |   |   |
| 11... | 1245 | 81213   | 17  | .6  | 4   | 4.9                                     | 10.9  | 99  | 6.8   | 7.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02331768 MOSSY CREEK AT GEORGIA HIGHWAY 254 NEAR CLEVELAND, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |  |   |   |   |  |   |
| 20... | 48  | 48   | 5.3   | 7.6   | 15   | .24   | 1.1   | .050  | 1.4  | 790   |
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 02... | --  | 46   | 5.0   | 3.4   | --   | --  | --  | --  | --   | 1300  |
| 08... | --  | 42   | 12.0  | 7.9   | --   | --  | --  | --  | --   | 330   |
| 16... | 45  | 39   | 20.0  | 10.5  | 14   | .12   | 1.2   | .020  | 1.7  | 170   |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 28... | 42  | 38   | 20.0  | 14.1  | 13   | .03   | 1.2   | <.020   | .30  | --  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 11... | 42  | 36   | 21.5  | 13.6  | 14   | .06   | 1.2   | .020  | .90  | --  |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 16... | 40  | 36   | 20.0  | 16.2  | 14   | .05   | .9  | <.020   | .60  | 220   |
| 23... | --  | 37   | 22.5  | 18.3  | --   | --  | --  | --  | --   | 2200  |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 08... | --  | 37   | 24.0  | 18.0  | --   | --  | --  | --  | --   | 140   |
| 13... | 39  | 33   | 27.0  | 20.5  | 14   | .06   | .9  | .030  | .80  | 1100  |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 13... | 40  | 39   | 27.0  | 22.1  | 13   | .08   | .9  | .060  | .80  | --  |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 15... | 39  | 37   | 27.1  | 20.9  | 13   | .05   | .8  | .030  | 1.4  | 330   |
| 23... | --  | 37   | 25.5  | 19.0  | --   | --  | --  | --  | --   | 460   |
| 30... | --  | 38   | 25.5  | 20.2  | --   | --  | --  | --  | --   | 940   |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 12... | 40  | 37   | 26.0  | 20.2  | 14   | .06   | .8  | .030  | 1.2  | 1300  |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 17... | 41  | 34   | 27.0  | 14.4  | 14   | .06   | .8  | <.020   | 1.4  | --  |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 06... | 42  | 39   | 14.5  | 13.0  | 16   | .07   | .6  | .020  | 1.1  | 740   |
| 13... | --  | 39   | 14.5  | 9.9   | --   | --  | --  | --  | --   | 490   |
| 28... | --  | 39   | 11.0  | 7.0   | --   | --  | --  | --  | --   | 170   |
| 29... | --  | 38   | 11.0  | 8.5   | --   | --  | --  | --  | --   | 5400  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 11... | 44  | 37   | 11.5  | 9.1   | 13   | .08   | 1.0   | <.020   | .30  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02331768 MOSSY CREEK AT GEORGIA HIGHWAY 254 NEAR CLEVELAND, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00300)<br>(00301) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400)        | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)     | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                    | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |  |
|--------------|------|---|---|--|---|--|--|--|--|--|--|--|
| DATE         |      | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097)             | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002)                        | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027)                   | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147)              | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059)                      | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
| MAR<br>28... | 1250 | 81213   | 21  | 9.3  | 96  | 7.1  | 38   | 20.0   | 14.1   | 2.7  | 1.2  |  |
| AUG<br>15... | 1130 | 81213   | 12  | 7.7  | 89  | 6.9  | 37   | 27.1   | 20.9   | 2.5  | 1.1  |  |
| MAR<br>28... | <1.0 | <2.0  | <.5   | <1.0   | <1.0  | <1.0   | <.1  | <1.0   | 4.3  | <2.0   | 3.1  |  |
| AUG<br>15... | <1.0 | <4.0  | <.5   | <1.0   | <2.0  | <2.0   | <.1  | <1.0   | <4.0   | <2.0   | 3.2  |  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02332017 CHATTAHOOCHEE RIVER AT BELTON BRIDGE ROAD,  
NEAR LULA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 34°26'43", long 83°41'07", Hall County, Hydrologic Unit 03130001, at bridge on Belton Bridge Road, 3.4 miles downstream from Lula Bridge, and 4.1 miles northwest of Lula.

**DRAINAGE AREA.**--414 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--January 2000 to December 2000.

**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 collected by the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |     |
|-------|------|---|---|---|---|---|---|--|--|-----|
| JAN   |      |   |   |   |   |   |   |  |  |     |
| 20... | 0955 | 81213   | 767   | .7  | 3   | 4.6                                     | 10.0  | 85   | 7.0  | 7.1 |
| FEB   |      |   |   |   |   |   |   |  |  |     |
| 02... | 0915 | 81213   | 724   | --  | --  | --                                      | 12.3  | 92   | 7.1  | --  |
| 08... | 1345 | 81213   | 628   | --  | --  | --                                      | 12.1  | 99   | 7.1  | --  |
| 16... | 1325 | 81213   | 894   | .9  | 9   | 13                                      | 10.2  | 91   | 7.0  | 7.1 |
| MAR   |      |   |   |   |   |   |   |  |  |     |
| 28... | 1350 | 81213   | 840   | .6  | 8   | 6.1                                     | 9.7   | 98   | 7.5  | 7.1 |
| APR   |      |   |   |   |   |   |   |  |  |     |
| 11... | 1250 | 81213   | 1100  | 1.1   | 6   | 7.2                                     | 9.5   | 92   | 6.8  | 7.1 |
| MAY   |      |   |   |   |   |   |   |  |  |     |
| 16... | 1250 | 81213   | 620   | 1.7   | 5   | 3.8                                     | 8.0   | 90   | 7.0  | 7.1 |
| 23... | 1340 | 81213   | 605   | --  | --  | --                                      | 7.7   | 90   | 6.8  | --  |
| JUN   |      |   |   |   |   |   |   |  |  |     |
| 08... | 1245 | 81213   | 450   | --  | --  | --                                      | 8.1   | 92   | 7.1  | --  |
| 13... | 1245 | 81213   | 394   | 1.7   | 5   | 4.1                                     | 7.9   | 97   | 5.7  | 7.2 |
| JUL   |      |   |   |   |   |   |   |  |  |     |
| 13... | 1225 | 81213   | 363   | .4  | 6   | 4.7                                     | 7.1   | 90   | 7.1  | 7.3 |
| AUG   |      |   |   |   |   |   |   |  |  |     |
| 15... | 1300 | 81213   | 256   | .5  | 4   | 4.6                                     | 6.8   | 87   | 7.0  | 7.3 |
| 23... | 0915 | 81213   | 263   | --  | --  | --                                      | 7.9   | 93   | 6.9  | --  |
| 30... | 0900 | 81213   | 221   | --  | --  | --                                      | 6.8   | 83   | --   | --  |
| SEP   |      |   |   |   |   |   |   |  |  |     |
| 12... | 0940 | 81213   | 256   | 1.5   | 6   | 5.1                                     | 7.0   | 83   | 6.9  | 7.2 |
| OCT   |      |   |   |   |   |   |   |  |  |     |
| 17... | 1315 | 81213   | 221   | .4  | 2   | 4.0                                     | 9.3   | 96   | 6.8  | 7.3 |
| NOV   |      |   |   |   |   |   |   |  |  |     |
| 06... | 1015 | 81213   | 234   | .7  | <1  | 2.5                                     | 8.4   | 85   | 7.0  | 7.2 |
| 13... | 1015 | 81213   | 389   | --  | --  | --                                      | 10.0  | 92   | 7.0  | --  |
| 28... | 0920 | 81213   | 508   | --  | --  | --                                      | 11.3  | 96   | 7.1  | --  |
| 29... | 0930 | 81213   | 445   | --  | --  | --                                      | 11.2  | 96   | 7.1  | --  |
| DEC   |      |   |   |   |   |   |   |  |  |     |
| 11... | 1400 | 81213   | 315   | 1.1   | 2   | 2.0                                     | 11.5  | 99   | 6.8  | 7.0 |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02332017 CHATTAHOOCHEE RIVER AT BELTON BRIDGE ROAD,  
NEAR LULA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|---|---|---|---|--|---|
| JAN   |   |  |   |   |   |   |   |   |  |   |
| 20... | 41  | 42   | 4.0   | 6.7   | 12  | .07   | .7  | <.020   | 3.9  | 70  |
| FEB   |   |  |   |   |   |   |   |   |  |   |
| 02... | --  | 41   | -2.0  | 2.5   | --  | --  | --  | --  | --   | 80  |
| 08... | --  | 36   | 13.0  | 5.7   | --  | --  | --  | --  | --   | 40  |
| 16... | 40  | 34   | 21.5  | 9.2   | 13  | .10   | .8  | .040  | 2.2  | 330   |
| MAR   |   |  |   |   |   |   |   |   |  |   |
| 28... | 36  | 31   | 21.8  | 13.6  | 13  | .04   | .6  | <.020   | .60  | --  |
| APR   |   |  |   |   |   |   |   |   |  |   |
| 11... | 34  | 29   | 22.0  | 13.1  | 13  | .04   | .6  | .030  | 1.1  | --  |
| MAY   |   |  |   |   |   |   |   |   |  |   |
| 16... | 34  | 29   | 22.0  | 19.9  | 14  | .05   | .5  | <.020   | 1.2  | 20  |
| 23... | --  | 33   | 25.5  | 21.0  | --  | --  | --  | --  | --   | 80  |
| JUN   |   |  |   |   |   |   |   |   |  |   |
| 08... | --  | 34   | 25.5  | 20.6  | --  | --  | --  | --  | --   | <20   |
| 13... | 37  | 31   | 32.0  | 24.3  | 14  | .03   | .5  | <.020   | 2.1  | 490   |
| JUL   |   |  |   |   |   |   |   |   |  |   |
| 13... | 46  | 47   | 30.5  | 25.6  | 14  | .06   | .5  | .020  | .90  | --  |
| AUG   |   |  |   |   |   |   |   |   |  |   |
| 15... | 39  | 38   | 30.6  | 26.2  | 13  | .05   | .5  | .020  | 1.6  | 80  |
| 23... | --  | 42   | 25.0  | 22.3  | --  | --  | --  | --  | --   | 110   |
| 30... | --  | 42   | 23.5  | 23.7  | --  | --  | --  | --  | --   | 170   |
| SEP   |   |  |   |   |   |   |   |   |  |   |
| 12... | 43  | 42   | 24.0  | 22.3  | 14  | .04   | .5  | <.020   | 1.4  | 110   |
| OCT   |   |  |   |   |   |   |   |   |  |   |
| 17... | 43  | 43   | 25.5  | 15.5  | 15  | .06   | .5  | <.020   | 1.2  | --  |
| NOV   |   |  |   |   |   |   |   |   |  |   |
| 06... | 51  | 52   | 13.0  | 14.0  | 16  | .14   | .4  | .020  | 1.1  | 70  |
| 13... | --  | 37   | 11.5  | 9.8   | --  | --  | --  | --  | --   | 460   |
| 28... | --  | 34   | 2.0   | 6.6   | --  | --  | --  | --  | --   | 490   |
| 29... | --  | 38   | 7.5   | 7.0   | --  | --  | --  | --  | --   | 110   |
| DEC   |   |  |   |   |   |   |   |   |  |   |
| 11... | 43  | 38   | 10.5  | 7.4   | 13  | .08   | .6  | <.020   | .50  | --  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02332017 CHATTAHOOCHEE RIVER AT BELTON BRIDGE ROAD,  
NEAR LULA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN, DIS-SOLVED OXYGEN, (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301) | PH WATER WHOLE FIELD (STANDARD) UNITS (00400) | SPECIFIC CONDUCTANCE (US/CM) (00095) | TEMPERATURE AIR (DEG C) (00020) | TEMPERATURE WATER (DEG C) (00010) | CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916) | MAGNESIUM TOTAL RECOVERABLE (MG/L AS MG) (00927) |
|-----------|------|--|---|---|--|---|--------------------------------------|---------------------------------|-----------------------------------|--|--|
| MAR 28... | 1350 | 81213                                  | 840   | 9.7                                       | 98   | 7.5   | 31                                   | 21.8                            | 13.6                              | 2.3  | .9   |
| AUG 15... | 1300 | 81213                                  | 256   | 6.8                                       | 87   | 7.0   | 38                                   | 30.6                            | 26.2                              | 2.4  | .9   |

| DATE      | ANTI-MONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | SELENIUM, TOTAL (UG/L AS SE) (01147) | THALLIUM, TOTAL (UG/L AS TL) (01059) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|-----------|---------------------------------------|------------------------------------|--|--|--|--|--|--|--------------------------------------|--------------------------------------|--|
| MAR 28... | <1.0                                  | <2.0                               | <.5  | <1.0   | 1.8  | <1.0   | <.1  | <1.0   | <2.0                                 | <2.0                                 | 1.9  |
| AUG 15... | <1.0                                  | <4.0                               | <.5  | <1.0   | <2.0   | <2.0   | <.1  | <1.0   | <4.0                                 | <2.0                                 | 2.1  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02332830 WEST FORK LITTLE RIVER NEAR CLERMONT, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 34°24'55", long 83°49'18", Hall County, Hydrologic Unit 03130001, on the downstream center culvert support on Jess Helton Road, 1.0 mile downstream from Bear Creek, 2.0 miles above mouth, and 5.3 miles southwest from Clermont.

**DRAINAGE AREA.--**18.3 mi<sup>2</sup>.

**PERIOD OF RECORD.--**March 1993 to December 2000 (discontinued).

**REMARKS.--**Data for this station which were collected as part of the U.S. Geological Survey, National Water-Quality Assessment are presented in a separate theme of this report. 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>ITY<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>ITY<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|---|--|--|
| JAN   |      |   |   |   |   |   |   |   |  |  |
| 20... | 0840 | 81213   | 18  | 1.5   | 10  | 8.0                                     | 10.8  | 93  | 7.0  | 7.1  |
| FEB   |      |   |   |   |   |   |   |   |  |  |
| 02... | 0830 | 81213   | 20  | --  | --  | --                                      | 12.2  | 89  | 6.9  | --   |
| 08... | 1500 | 81213   | 16  | --  | --  | --                                      | 11.4  | 97  | 7.1  | --   |
| 16... | 1510 | 81213   | 21  | .8  | 5   | 7.3                                     | 9.9   | 94  | 7.1  | 7.3  |
| MAR   |      |   |   |   |   |   |   |   |  |  |
| 28... | 0935 | 81213   | 23  | .6  | <1  | 5.8                                     | 10.8  | 100   | 6.5  | 7.4  |
| APR   |      |   |   |   |   |   |   |   |  |  |
| 11... | 1400 | 81213   | 21  | 1.1   | <1  | 6.1                                     | 9.3   | 95  | 7.1  | 7.3  |
| MAY   |      |   |   |   |   |   |   |   |  |  |
| 16... | 1410 | 81213   | 12  | 2.6   | 7   | 5.6                                     | 8.3   | 91  | 7.1  | 7.3  |
| 23... | 1405 | 81213   | 14  | --  | --  | --                                      | 7.8   | 89  | 7.1  | --   |
| JUN   |      |   |   |   |   |   |   |   |  |  |
| 08... | 1315 | 81213   | 10  | --  | --  | --                                      | 8.6   | 94  | 7.2  | --   |
| 13... | 1345 | 81213   | 8.2   | 1.9   | 8   | 6.2                                     | 8.0   | 96  | 7.3  | 7.4  |
| JUL   |      |   |   |   |   |   |   |   |  |  |
| 13... | 1330 | 81213   | 7.1   | .2  | 4   | 6.7                                     | 7.1   | 88  | 7.2  | 7.5  |
| AUG   |      |   |   |   |   |   |   |   |  |  |
| 15... | 0730 | 81213   | 7.5   | .4  | 7   | 7.1                                     | 7.1   | 80  | 6.9  | 7.5  |
| 23... | 0845 | 81213   | 7.5   | --  | --  | --                                      | 7.4   | 83  | 6.9  | --   |
| 30... | 0815 | 81213   | 7.3   | --  | --  | --                                      | 7.1   | 82  | 6.8  | --   |
| SEP   |      |   |   |   |   |   |   |   |  |  |
| 12... | 0830 | 81213   | 7.5   | 1.0   | 6   | 5.1                                     | 7.3   | 82  | 7.0  | 7.3  |
| OCT   |      |   |   |   |   |   |   |   |  |  |
| 17... | 1415 | 81213   | 7.1   | .6  | 2   | 2.5                                     | 9.3   | 94  | 7.1  | 7.6  |
| NOV   |      |   |   |   |   |   |   |   |  |  |
| 06... | 1515 | 81213   | 8.4   | 1.4   | 2   | 1.9                                     | 8.9   | 88  | 6.9  | 7.2  |
| 13... | 0930 | 81213   | 10  | --  | --  | --                                      | 10.4  | 93  | 6.8  | --   |
| 28... | 0830 | 81213   | 12  | --  | --  | --                                      | 11.8  | 96  | 6.9  | --   |
| 29... | 0840 | 81213   | 11  | --  | --  | --                                      | 11.1  | 94  | 6.8  | --   |
| DEC   |      |   |   |   |   |   |   |   |  |  |
| 11... | 1515 | 81213   | 9.7   | .5  | 1   | 2.5                                     | 11.3  | 100   | 7.1  | 7.2  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02332830 WEST FORK LITTLE RIVER NEAR CLERMONT, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 20... | 68  | 68  | 4.7   | 6.8   | 19   | .17   | 2.0   | .050  | 1.9  | 16000   |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 02... | --  | 60  | -2.0  | 1.5   | --   | --  | --  | --  | --   | 170   |
| 08... | --  | 59  | 14.0  | 7.4   | --   | --  | --  | --  | --   | 60  |
| 16... | 65  | 62  | 23.5  | 11.6  | 18   | .05   | 1.9   | .060  | 2.1  | 230   |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 28... | 63  | 59  | 14.8  | 9.7   | 17   | .04   | 1.9   | .030  | .90  | --  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 11... | 63  | 56  | 21.5  | 15.1  | 17   | .04   | 1.9   | .050  | 1.3  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 16... | 62  | 56  | 24.5  | 18.5  | 19   | .06   | 1.7   | .030  | 1.3  | 330   |
| 23... | --  | 57  | 26.0  | 19.7  | --   | --  | --  | --  | --   | 790   |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 08... | --  | 58  | 26.0  | 18.6  | --   | --  | --  | --  | --   | 50  |
| 13... | 61  | 54  | 32.5  | 23.2  | 19   | .05   | 1.4   | .040  | 1.2  | 50  |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 13... | 61  | 62  | 31.0  | 24.4  | 20   | .05   | 1.2   | .060  | 1.1  | --  |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 15... | 63  | 61  | 17.1  | 19.7  | 21   | .07   | 1.2   | .050  | 1.4  | 130   |
| 23... | --  | 68  | 23.0  | 19.6  | --   | --  | --  | --  | --   | 490   |
| 30... | --  | 63  | 22.5  | 20.9  | --   | --  | --  | --  | --   | 110   |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 12... | 64  | 61  | 22.0  | 19.5  | 21   | .06   | 1.3   | .040  | 1.2  | 1300  |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 17... | 62  | 58  | 25.0  | 14.7  | 19   | .06   | 1.4   | <.020   | 1.3  | --  |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 06... | 65  | 63  | 12.0  | 13.3  | 23   | .10   | .8  | .030  | 1.6  | 340   |
| 13... | --  | 63  | 9.0   | 8.6   | --   | --  | --  | --  | --   | 490   |
| 28... | --  | 59  | 1.0   | 5.1   | --   | --  | --  | --  | --   | 490   |
| 29... | --  | 58  | 3.5   | 6.6   | --   | --  | --  | --  | --   | 330   |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 11... | 65  | 57  | 11.0  | 8.5   | 18   | .10   | 1.7   | <.020   | .90  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02332830 WEST FORK LITTLE RIVER NEAR CLERMONT, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00300)<br>(00301) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)     | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                    | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916)        | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |  |
|--------------|------|---|---|--|---|--|--|--|--|---|--|--|
| DATE         |      | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097)             | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002)                        | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027)                   | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042)   | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059)  | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
| MAR<br>28... | 0935 | 81213   | 23  | 10.8   | 100   | 6.5  | 59   | 14.8   | 9.7  | 4.0   | 1.8  |  |
| AUG<br>15... | 0730 | 81213   | 7.5   | 7.1  | 80  | 6.9  | 61   | 17.1   | 19.7   | 4.1   | 1.9  |  |
| MAR<br>28... | <1.0 | <2.0  | <.5   | <1.0   | <1.0  | <1.0   | <.1  | <1.0   | <2.0   | <2.0  | 1.3  |  |
| AUG<br>15... | <1.0 | <4.0  | <.5   | <1.0   | <2.0  | <2.0   | <.1  | <1.0   | <4.0   | <2.0  | <2.0   |  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02333105 DICKS CREEK NEAR NEELS GAP, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 34°40'48", long 83°56'15", Lumpkin County, Hydrologic Unit 03130001, at the bridge at Forest Service Road 216, 0.1 mile above Waters Creek, 1.6 miles below Blood Mountain Creek, and 4.0 miles southwest of Neels Gap.

**DRAINAGE AREA.**--9.01 mi<sup>2</sup>, revised.

**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.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY ANA-LYZING SAMPLE NUMBER (00028) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530) | TUR-BID-ITY (NTU) (00076) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, (PER-CENT SATUR-ATION) (00301) | PH WATER WHOLE FIELD (STAND-ARD) UNITS (00400) | PH WATER WHOLE LAB (STAND-ARD) UNITS (00403) | SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095) | SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (00095) | TEMPER-ATURE AIR (DEG C) (00020) |
|-------|------|---|---|---|--|---------------------------|-----------------------------------|--|--|--|---|---|----------------------------------|
| JAN   |      |   |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 27... | 1400 | 81213                                   | 17  | .8  | <1   | .3                        | 11.8                              | 88.7                                   | 6.6  | 6.8  | 13  | 10  | 5.0                              |
| FEB   |      |   |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 02... | 1420 | 81213                                   | 17  | --  | --   | --                        | 12.3                              | 97.2                                   | 6.7  | --   | --  | 10  | --                               |
| 08... | 1045 | 81213                                   | 15  | --  | --   | --                        | 11.7                              | 93.6                                   | 6.8  | --   | --  | 11  | 9.0                              |
| 24... | 1415 | 81213                                   | 15  | .3  | <1   | .4                        | 10.1                              | 92.9                                   | 6.7  | 6.9  | 14  | 10  | 19.0                             |
| MAR   |      |   |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 29... | 1440 | 81213                                   | 19  | .5  | 2  | 1.0                       | 10.2                              | 95.0                                   | 6.4  | 7.0  | 14  | 10  | 9.0                              |
| APR   |      |   |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 12... | 1000 | 81213                                   | 35  | .4  | 2  | .9                        | 9.3                               | 89.7                                   | 6.3  | 6.9  | 14  | 11  | 15.0                             |
| MAY   |      |   |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 17... | 1230 | 81213                                   | 12  | .6  | 2  | 1.1                       | 9.1                               | 91.9                                   | 6.7  | 6.8  | 15  | 12  | 19.0                             |
| 23... | 1015 | 81213                                   | 19  | --  | --   | --                        | 8.5                               | 89.0                                   | 6.6  | --   | --  | 12  | 18.0                             |
| JUN   |      |   |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 08... | 1100 | 81213                                   | 8.8   | --  | --   | --                        | 9.2                               | 92.7                                   | 6.6  | --   | --  | 13  | 21.5                             |
| 14... | 0950 | 81213                                   | 7.8   | .9  | <1   | .8                        | 8.4                               | 93.2                                   | 5.5  | 7.0  | 15  | 12  | 22.5                             |
| JUL   |      |   |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 06... | 1020 | 81213                                   | 6.6   | 4.4   | <1   | .9                        | 9.5                               | 109                                    | 7.0  | 7.2  | 16  | 17  | 23.5                             |
| AUG   |      |   |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 16... | 1045 | 81213                                   | 5.6   | .4  | 2  | .6                        | 8.1                               | 90.7                                   | 6.6  | 7.0  | 16  | 14  | 28.4                             |
| 23... | 1120 | 81213                                   | 5.6   | --  | --   | --                        | 8.4                               | 93.0                                   | 6.6  | --   | --  | 14  | 25.5                             |
| 30... | 1130 | 81213                                   | 5.6   | --  | --   | --                        | 8.1                               | 90.7                                   | 7.0  | --   | --  | 15  | 24.0                             |
| SEP   |      |   |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 13... | 0900 | 81213                                   | 5.6   | .8  | 3  | .9                        | 8.2                               | 91.6                                   | 6.7  | 7.0  | 17  | 15  | 22.0                             |
| OCT   |      |   |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 18... | 0945 | 81213                                   | 5.6   | .3  | <1   | .4                        | 9.2                               | 91.4                                   | 6.3  | 7.1  | 16  | 13  | 18.5                             |
| NOV   |      |   |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 07... | 1030 | 81213                                   | 9.7   | 1.8   | 5  | 1.4                       | 8.6                               | 86.3                                   | 6.3  | 6.7  | 20  | 16  | 14.0                             |
| 13... | 1230 | 81213                                   | 12  | --  | --   | --                        | 9.7                               | 91.7                                   | 6.4  | --   | --  | 12  | 14.0                             |
| 28... | 1130 | 81213                                   | 15  | --  | --   | --                        | 10.5                              | 92.2                                   | 6.3  | --   | --  | 10  | 12.0                             |
| 29... | 1140 | 81213                                   | 14  | --  | --   | --                        | 10.5                              | 93.5                                   | 6.4  | --   | --  | 11  | 10.0                             |
| DEC   |      |   |   |   |  |                           |                                   |  |  |  |   |   |                                  |
| 12... | 1030 | 81213                                   | 9.7   | .7  | 2  | .3                        | 11.3                              | 98.1                                   | 6.5  | 7.0  | 16  | 13  | 1.5                              |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02333105 DICKS CREEK NEAR NEELS GAP, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|--|---|---|---|--|---|
| JAN   |  |  |   |   |   |  |   |
| 27... | 1.7                                    | 9  | .05   | <.02  | <.020   | .30  | <20   |
| FEB   |  |  |   |   |   |  |   |
| 02... | 3.5                                    | --   | --  | --  | --  | --   | <20   |
| 08... | 4.2                                    | --   | --  | --  | --  | --   | 20  |
| 24... | 9.8                                    | 9  | .03   | <.02  | <.020   | .40  | 20  |
| MAR   |  |  |   |   |   |  |   |
| 29... | 9.7                                    | 9  | .06   | <.02  | <.020   | .30  | --  |
| APR   |  |  |   |   |   |  |   |
| 12... | 11.7                                   | 10   | .01   | .04   | <.020   | .40  | --  |
| MAY   |  |  |   |   |   |  |   |
| 17... | 13.6                                   | 7  | .03   | .02   | <.020   | .50  | <20   |
| 23... | 14.8                                   | --   | --  | --  | --  | --   | 1300  |
| JUN   |  |  |   |   |   |  |   |
| 08... | 13.7                                   | --   | --  | --  | --  | --   | 50  |
| 14... | 17.9                                   | 10   | .06   | .04   | <.020   | .70  | 330   |
| JUL   |  |  |   |   |   |  |   |
| 06... | 19.4                                   | 9  | .02   | .03   | <.020   | 1.0  | --  |
| AUG   |  |  |   |   |   |  |   |
| 16... | 18.5                                   | 8  | .02   | .04   | <.020   | --   | 70  |
| 23... | 18.1                                   | --   | --  | --  | --  | --   | 70  |
| 30... | 18.7                                   | --   | --  | --  | --  | --   | 80  |
| SEP   |  |  |   |   |   |  |   |
| 13... | 17.7                                   | 9  | .07   | .03   | <.020   | .20  | E170  |
| OCT   |  |  |   |   |   |  |   |
| 18... | 12.8                                   | 8  | .03   | <.02  | <.020   | .80  | --  |
| NOV   |  |  |   |   |   |  |   |
| 07... | 12.7                                   | 8  | .08   | <.02  | <.020   | 2.9  | 2800  |
| 13... | 10.1                                   | --   | --  | --  | --  | --   | 20  |
| 28... | 7.3                                    | --   | --  | --  | --  | --   | 40  |
| 29... | 7.8                                    | --   | --  | --  | --  | --   | <20   |
| DEC   |  |  |   |   |   |  |   |
| 12... | 6.7                                    | 7  | .06   | <.02  | <.020   | 1.4  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02333105 DICKS CREEK NEAR NEELS GAP, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>WHOLE<br>FIELD<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|---|--|
| MAR<br>29... | 1440 | 81213   | 19  | 10.2  | 95  | 6.4  | 10   | 9.0   | 9.7   | .5   | .4   | <1.0  | <2.0   |
| AUG<br>16... | 1045 | 81213   | 5.6   | 8.1   | 90.7  | 6.6  | 14   | 28.4  | 18.5  | .7   | .5   | <1.0  | <4.0   |

| DATE         | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|--|---|--|--|--|--|---|---|--|
| MAR<br>29... | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | <1.0   |
| AUG<br>16... | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 2.6  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02333460 TESNATEE CREEK AT TOWN CREEK ROAD, NEAR CLEVELAND, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 34°35'00", long 83°49'21", White County, Hydrologic Unit 03130001, at bridge on Town Creek Road (White County Road 200), at confluence with Town Creek, and 3.3 miles southwest of Cleveland.

**DRAINAGE AREA.--**55.0 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|---|--|--|
| JAN   |      |   |   |   |   |   |   |   |  |  |
| 20... | 1350 | 81213   | 56  | .7  | <1  | 6.5                                     | 10.4  | 90  | 6.8  | 7.0  |
| FEB   |      |   |   |   |   |   |   |   |  |  |
| 02... | 1215 | 81213   | 111   | --  | --  | --                                      | 12.3  | 96  | 6.7  | --   |
| 08... | 1130 | 81213   | 77  | --  | --  | --                                      | 11.9  | 97  | 6.9  | --   |
| 16... | 0950 | 81213   | 111   | .7  | 6   | 9.1                                     | 10.3  | 89  | 6.6  | 7.1  |
| MAR   |      |   |   |   |   |   |   |   |  |  |
| 28... | 1035 | 81213   | 84  | .8  | <1  | 6.6                                     | 10.2  | 98  | 7.2  | 7.2  |
| APR   |      |   |   |   |   |   |   |   |  |  |
| 11... | 0915 | 81213   | 162   | 4.0   | 6   | 7.2                                     | 9.3   | 89  | 6.6  | 7.0  |
| MAY   |      |   |   |   |   |   |   |   |  |  |
| 16... | 0830 | 81213   | 66  | 2.1   | 5   | 5.5                                     | 8.7   | 89  | 6.8  | 7.2  |
| 23... | 1100 | 81213   | 72  | --  | --  | --                                      | 8.4   | 91  | 6.8  | --   |
| JUN   |      |   |   |   |   |   |   |   |  |  |
| 08... | 1000 | 81213   | 49  | --  | --  | --                                      | 8.3   | 87  | 7.0  | --   |
| 13... | 0845 | 81213   | 42  | 2.2   | 9   | 8.0                                     | 7.8   | 89  | 6.2  | 7.2  |
| JUL   |      |   |   |   |   |   |   |   |  |  |
| 13... | 0820 | 81213   | 38  | .4  | 14  | 14                                      | 7.0   | 84  | 6.6  | 7.2  |
| AUG   |      |   |   |   |   |   |   |   |  |  |
| 15... | 0845 | 81213   | 21  | .7  | 10  | 14                                      | 7.2   | 81  | 6.8  | 7.2  |
| 23... | 1220 | 81213   | 26  | --  | --  | --                                      | 7.7   | 89  | 6.9  | --   |
| 30... | 1215 | 81213   | 26  | --  | --  | --                                      | 7.1   | 84  | 6.8  | --   |
| SEP   |      |   |   |   |   |   |   |   |  |  |
| 12... | 1445 | 81213   | 27  | 1.9   | 10  | 9.4                                     | 7.2   | 86  | 6.9  | 7.2  |
| OCT   |      |   |   |   |   |   |   |   |  |  |
| 17... | 0900 | 81213   | 27  | .7  | 6   | 6.7                                     | 9.2   | 88  | 6.8  | 7.4  |
| NOV   |      |   |   |   |   |   |   |   |  |  |
| 06... | 1400 | 81213   | 31  | 1.0   | 4   | 3.6                                     | 8.8   | 88  | 6.8  | 7.1  |
| 13... | 1315 | 81213   | 49  | --  | --  | --                                      | 9.5   | 89  | 7.2  | --   |
| 28... | 1215 | 81213   | 62  | --  | --  | --                                      | 10.4  | 90  | 6.7  | --   |
| 29... | 1220 | 81213   | 54  | --  | --  | --                                      | 10.7  | 94  | 7.0  | --   |
| DEC   |      |   |   |   |   |   |   |   |  |  |
| 11... | 1030 | 81213   | 39  | .8  | 2   | 3.1                                     | 10.3  | 89  | 6.7  | 7.0  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02333460 TESNATEE CREEK AT TOWN CREEK ROAD, NEAR CLEVELAND, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|--------------|---|---|---|---|---|---|---|---|--|---|
| JAN<br>20... | 32  | 33  | 4.4   | 7.4   | 13  | .05   | .4  | <.020   | 1.5  | <20   |
| FEB<br>02... | --  | 27  | 4.5   | 3.6   | --  | --  | --  | --  | --   | <20   |
| 08...        | --  | 29  | 9.5   | 5.2   | --  | --  | --  | --  | --   | 50  |
| 16...        | 32  | 28  | 12.0  | 7.7   | 13  | .06   | .3  | .030  | 2.1  | 50  |
| MAR<br>28... | 30  | 26  | 19.2  | 10.7  | 13  | .04   | .3  | .020  | .80  | --  |
| APR<br>11... | 28  | 22  | 17.0  | 11.7  | 12  | .04   | .3  | .020  | 1.1  | --  |
| MAY<br>16... | 31  | 26  | 16.0  | 14.8  | 14  | .04   | .2  | <.020   | 1.0  | 170   |
| 23...        | --  | 28  | 22.0  | 17.1  | --  | --  | --  | --  | --   | 1100  |
| JUN<br>08... | --  | 29  | 19.0  | 15.8  | --  | --  | --  | --  | --   | 80  |
| 13...        | 33  | 27  | 24.5  | 19.9  | 15  | .06   | .3  | .040  | 1.0  | 490   |
| JUL<br>13... | 36  | 34  | 23.0  | 21.9  | 14  | .10   | .4  | .060  | 1.0  | --  |
| AUG<br>15... | 38  | 36  | 22.5  | 19.3  | 14  | .07   | .3  | .060  | 1.3  | 360   |
| 23...        | --  | 37  | 27.0  | 20.8  | --  | --  | --  | --  | --   | 170   |
| 30...        | --  | 40  | 26.0  | 21.6  | --  | --  | --  | --  | --   | 490   |
| SEP<br>12... | 40  | 38  | 31.0  | 21.8  | 15  | .08   | .3  | .070  | 1.7  | 330   |
| OCT<br>17... | 44  | 37  | 13.0  | 11.7  | 16  | .13   | .3  | .070  | 1.4  | --  |
| NOV<br>06... | 44  | 41  | 14.0  | 13.3  | 16  | .06   | .2  | .070  | 1.3  | 330   |
| 13...        | --  | 36  | 15.0  | 10.4  | --  | --  | --  | --  | --   | 490   |
| 28...        | --  | 33  | 13.5  | 7.2   | --  | --  | --  | --  | --   | 110   |
| 29...        | --  | 34  | 12.0  | 7.7   | --  | --  | --  | --  | --   | 230   |
| DEC<br>11... | 40  | 33  | 7.0   | 6.9   | 13  | .11   | .4  | .030  | .60  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02333460 TESNATEE CREEK AT TOWN CREEK ROAD, NEAR CLEVELAND, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|--|---|---|---|--|--|---|---|--|--|
| MAR<br>28... | 1035 | 81213  | 84  | 10.2  | 98  | 7.2  | 26   | 19.2  | 10.7  | 1.8  | .8   |
| AUG<br>15... | 0845 | 81213  | 21  | 7.2   | 81  | 6.8  | 36   | 22.5  | 19.3  | 2.2  | 1  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>28... | <1.0  | <2.0   | <.5  | <1.0  | 1.4  | 1.0  | <.1  | <1.0   | 2.8   | <2.0  | 2.3  |
| AUG<br>15... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 5.1  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 34°31'41", long 83°56'23", Lumpkin County, Hydrologic Unit 03130001, at Bearden Bridge on Georgia Highway 52, 2.0 miles downstream from Ballplay Creek, 3.5 miles upstream from Yahoola Creek, and 2.5 miles east of Dahlonega,

**DRAINAGE AREA.**--153 mi<sup>2</sup>.

**PERIOD OF RECORD.**--December 1957 to April 1959, October 1968, January 1972 to May 1976, and October 1989 to current year.

**REMARKS.**--Gage is located on the left bank 250 feet upstream from Bearden Bridge on Georgia Highway 52. 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|--|---|---|---|
| JAN   |      |   |   |   |  |   |  |   |   |   |
| 27... | 1105 | 81213   | 265   | 5.7   | <1   | 2.0                                     | 12.5   | 88  | 6.9   | 7.2   |
| FEB   |      |   |   |   |  |   |  |   |   |   |
| 02... | 1500 | 81213   | 253   | --  | --   | --                                      | 12.9   | 100   | 7.1   | --  |
| 08... | 1000 | 81213   | 207   | --  | --   | --                                      | 13.0   | 101   | 7.0   | --  |
| 24... | 1150 | 81213   | 212   | .3  | 1  | 2.4                                     | 11.5   | 101   | 7.0   | 7.2   |
| MAR   |      |   |   |   |  |   |  |   |   |   |
| 29... | 1315 | 81213   | 253   | .7  | 2  | 4.1                                     | 10.8   | 103   | 6.2   | 7.2   |
| APR   |      |   |   |   |  |   |  |   |   |   |
| 12... | 1130 | 81213   | 345   | .7  | 5  | 4.1                                     | 9.3  | 92  | 6.8   | 7.2   |
| MAY   |      |   |   |   |  |   |  |   |   |   |
| 17... | 1110 | 81213   | 146   | 1.1   | 6  | 3.6                                     | 8.8  | 95  | 7.1   | 7.2   |
| 23... | 0920 | 81213   | 146   | --  | --   | --                                      | 7.8  | 87  | 6.9   | --  |
| JUN   |      |   |   |   |  |   |  |   |   |   |
| 08... | 0815 | 81213   | 104   | --  | --   | --                                      | 8.7  | 93  | 6.8   | --  |
| 14... | 1130 | 81213   | 89  | 1.0   | 4  | 4.5                                     | 8.5  | 103   | 7.1   | 7.1   |
| JUL   |      |   |   |   |  |   |  |   |   |   |
| 05... | 0940 | 81213   | 104   | .7  | 11   | 22                                      | 8.3  | 102   | 7.2   | 7.3   |
| AUG   |      |   |   |   |  |   |  |   |   |   |
| 16... | 0930 | 81213   | 61  | .8  | 3  | 4.1                                     | 7.3  | 87  | 7.1   | 7.2   |
| 23... | 1300 | 81213   | 50  | --  | --   | --                                      | 8.6  | 103   | 7.6   | --  |
| 30... | 1345 | 81213   | 61  | --  | --   | --                                      | 8.0  | 99  | 7.3   | --  |
| SEP   |      |   |   |   |  |   |  |   |   |   |
| 13... | 1100 | 81213   | 48  | --  | 5  | 3.3                                     | 8.2  | 97  | 7.3   | 7.2   |
| OCT   |      |   |   |   |  |   |  |   |   |   |
| 18... | 1115 | 81213   | 56  | .6  | 2  | 2.8                                     | 9.4  | 93  | 7.0   | 7.4   |
| NOV   |      |   |   |   |  |   |  |   |   |   |
| 07... | 1200 | 81213   | 65  | 1.0   | 3  | 3.2                                     | 9.5  | 95  | 7.1   | 7.3   |
| 13... | 1400 | 81213   | 132   | --  | --   | --                                      | 10.7   | 99  | 7.3   | --  |
| 28... | 1250 | 81213   | 165   | --  | --   | --                                      | 11.5   | 98  | 7.2   | --  |
| 29... | 1300 | 81213   | 150   | --  | --   | --                                      | 11.8   | 101   | 7.1   | --  |
| DEC   |      |   |   |   |  |   |  |   |   |   |
| 12... | 1145 | 81213   | 127   | .4  | <1   | 1.8                                     | 12.0   | 102   | 7.0   | 7.3   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 27... | 29  | 24  | -1.5  | .4  | 12   | .05   | .4  | <.020   | .50  | <20   |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 02... | --  | 24  | 8.5   | 3.4   | --   | --  | --  | --  | --   | 20  |
| 08... | --  | 26  | 3.5   | 3.8   | --   | --  | --  | --  | --   | 20  |
| 24... | 28  | 23  | 17.5  | 8.8   | 12   | .04   | .3  | <.020   | .90  | <20   |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 29... | 27  | 22  | 10.0  | 11.7  | 12   | .03   | .3  | <.020   | .50  | --  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 12... | 25  | 21  | 19.0  | 13.8  | 12   | .02   | .3  | <.020   | .70  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 17... | 28  | 24  | 18.0  | 17.4  | 13   | .06   | .2  | <.020   | .90  | 20  |
| 23... | --  | 26  | 16.0  | 18.8  | --   | --  | --  | --  | --   | 210   |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 08... | --  | 26  | 15.5  | 17.6  | --   | --  | --  | --  | --   | 20  |
| 14... | 28  | 24  | 28.0  | 23.3  | 13   | .03   | .3  | <.020   | 1.1  | 20  |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 05... | 29  | 30  | 28.0  | 23.8  | 12   | .11   | .3  | .040  | 1.1  | --  |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 16... | 32  | 30  | 24.7  | 22.4  | 13   | .02   | .2  | <.020   | .80  | 20  |
| 23... | --  | 30  | 27.5  | 23.1  | --   | --  | --  | --  | --   | <20   |
| 30... | --  | 29  | 29.0  | 23.9  | --   | --  | --  | --  | --   | <20   |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 13... | 32  | 29  | 26.0  | 21.9  | 13   | .06   | .2  | <.020   | 1.2  | E110  |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 18... | 35  | 29  | 23.0  | 13.3  | 14   | .02   | .2  | <.020   | 1.1  | --  |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 07... | 36  | 32  | 15.0  | 13.6  | 14   | .06   | .2  | <.020   | 1.7  | 130   |
| 13... | --  | 28  | 14.0  | 9.8   | --   | --  | --  | --  | --   | 130   |
| 28... | --  | 26  | 15.0  | 6.7   | --   | --  | --  | --  | --   | 50  |
| 29... | --  | 27  | 11.5  | 6.9   | --   | --  | --  | --  | --   | 130   |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 12... | 33  | 29  | 7.5   | 6.9   | 12   | .03   | .3  | <.020   | 1.5  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| MAR<br>29... | 1315 | 81213   | 253   | 10.8  | 103   | 6.2  | 22   | 10.0  | 11.7  | 1.6  | .7   |
| AUG<br>16... | 0930 | 81213   | 61  | 7.3   | 87  | 7.1  | 30   | 24.7  | 22.4  | 2.1  | .9   |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>29... | <1.0  | <2.0   | <.5  | <1.0  | 1.6  | <1.0   | <.1  | <1.0   | 2.2   | <2.0  | 1.5  |
| AUG<br>16... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02333750 YAHOOOLA CREEK AT DAHLONEGA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 34°30'30", long 83°52'29", Lumpkin County, Hydrologic Unit 03130001, at bridge on Georgia Highway 60, 264 feet upstream from confluence with the Chestatee River, and 0.8 mile southeast of Dahlonega.

**DRAINAGE AREA.--**34.4 mi<sup>2</sup>.

**PERIOD OF RECORD.--**August 1976; January 2000 to December 2000.

**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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|---|--|--|
| FEB   |      |   |   |   |   |   |   |   |  |  |
| 10... | 0915 | 81213   | 44  | 1.1   | 170   | 130                                     | 11.7  | 93  | 7.3  | 7.4  |
| 16... | 0815 | 81213   | 53  | --  | --  | --                                      | 10.4  | 89  | 6.8  | --   |
| 17... | 1430 | 81213   | 48  | --  | --  | --                                      | 10.3  | 94  | 7.2  | --   |
| 24... | 1040 | 81213   | 44  | .5  | 3   | 2.9                                     | 10.6  | 94  | 6.9  | 7.3  |
| MAR   |      |   |   |   |   |   |   |   |  |  |
| 29... | 1140 | 81213   | 42  | .8  | 3   | 5.2                                     | 10.5  | 99  | 7.2  | 7.3  |
| APR   |      |   |   |   |   |   |   |   |  |  |
| 12... | 1300 | 81213   | 63  | .7  | 10  | 8.6                                     | 9.3   | 94  | 7.0  | 7.3  |
| MAY   |      |   |   |   |   |   |   |   |  |  |
| 17... | 1010 | 81213   | 44  | 1.6   | <1  | 4.6                                     | 8.6   | 92  | 7.0  | 7.2  |
| 23... | 0850 | 81213   | 43  | --  | --  | --                                      | 8.0   | 88  | 6.9  | --   |
| JUN   |      |   |   |   |   |   |   |   |  |  |
| 08... | 0840 | 81213   | 36  | --  | --  | --                                      | 8.6   | 91  | 7.1  | --   |
| 14... | 1220 | 81213   | 33  | .8  | <1  | 6.2                                     | 8.1   | 97  | 7.3  | 7.2  |
| JUL   |      |   |   |   |   |   |   |   |  |  |
| 05... | 1120 | 81213   | 29  | .7  | 6   | 6.2                                     | 8.3   | 102   | 7.3  | 7.4  |
| AUG   |      |   |   |   |   |   |   |   |  |  |
| 16... | 0830 | 81213   | 21  | .8  | 4   | 5.6                                     | 7.4   | 87  | 7.1  | 7.4  |
| 23... | 1330 | 81213   | 19  | --  | --  | --                                      | 7.8   | 92  | 7.3  | --   |
| 30... | 1415 | 81213   | 18  | --  | --  | --                                      | 7.4   | 90  | 7.4  | --   |
| SEP   |      |   |   |   |   |   |   |   |  |  |
| 13... | 1215 | 81213   | 20  | .9  | 6   | 5.7                                     | 7.8   | 93  | 7.2  | 7.4  |
| OCT   |      |   |   |   |   |   |   |   |  |  |
| 18... | 1250 | 81213   | 15  | .6  | 2   | 3.5                                     | 8.5   | 86  | 7.1  | 7.4  |
| NOV   |      |   |   |   |   |   |   |   |  |  |
| 07... | 1330 | 81213   | 25  | 1.2   | 7   | 6.1                                     | 9.1   | 92  | 7.2  | 7.4  |
| 13... | 1430 | 81213   | 34  | --  | --  | --                                      | 9.9   | 93  | 7.3  | --   |
| 28... | 1315 | 81213   | 35  | --  | --  | --                                      | 10.9  | 93  | 7.1  | --   |
| 29... | 1320 | 81213   | 34  | --  | --  | --                                      | 11.3  | 99  | 7.2  | --   |
| DEC   |      |   |   |   |   |   |   |   |  |  |
| 12... | 1245 | 81213   | 28  | .5  | 4   | 3.0                                     | 12.0  | 104   | 7.3  | 7.5  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02333750 YAHoola CREEK AT DAHLONEGA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 10... | 61  | 56   | 1.0   | 5.0   | 23   | .11   | .6  | .200  | 1.1  | E50   |
| 16... | --  | 43   | 5.0   | 7.7   | --   | --  | --  | --  | --   | 130   |
| 17... | --  | 37   | 17.0  | 10.3  | --   | --  | --  | --  | --   | 50  |
| 24... | 42  | 35   | 13.5  | 9.3   | 16   | .04   | .5  | <.020   | .40  | 50  |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 29... | 39  | 33   | 12.5  | 11.0  | 15   | .04   | .4  | <.020   | .60  | --  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 12... | 40  | 36   | 20.5  | 14.6  | 14   | .03   | .4  | <.020   | .60  | --  |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 17... | 44  | 40   | 19.5  | 17.1  | 14   | .03   | .4  | <.020   | .90  | 80  |
| 23... | --  | 37   | 15.0  | 18.2  | --   | --  | --  | --  | --   | 330   |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 08... | --  | 41   | 18.0  | 16.8  | --   | --  | --  | --  | --   | 20  |
| 14... | 47  | 41   | 29.0  | 23.1  | 16   | .05   | .5  | .020  | 1.3  | 70  |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 05... | 49  | 48   | 29.3  | 23.8  | 17   | .11   | .4  | .040  | 1.1  | --  |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 16... | 71  | 69   | 21.1  | 21.8  | 20   | .02   | .5  | .020  | 1.1  | <20   |
| 23... | --  | 59   | 28.0  | 22.3  | --   | --  | --  | --  | --   | 50  |
| 30... | --  | 64   | 30.0  | 23.4  | --   | --  | --  | --  | --   | 80  |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 13... | 67  | 63   | 29.5  | 22.0  | 19   | .05   | .5  | <.020   | .50  | E50   |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 18... | 70  | 63   | 26.0  | 14.7  | 20   | .03   | .6  | <.020   | 1.2  | --  |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 07... | 61  | 57   | 15.0  | 13.9  | 20   | .17   | .5  | <.020   | 1.4  | 1700  |
| 13... | --  | 50   | 15.0  | 10.6  | --   | --  | --  | --  | --   | 230   |
| 28... | --  | 41   | 16.5  | 6.9   | --   | --  | --  | --  | --   | <20   |
| 29... | --  | 58   | 11.5  | 8.1   | --   | --  | --  | --  | --   | 130   |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 12... | 52  | 50   | 8.5   | 7.6   | 17   | .05   | .6  | <.020   | 1.6  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02333750 YAHOOOLA CREEK AT DAHLONEGA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>PH<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| MAR<br>29... | 1140 | 81213   | 42  | 10.5  | 99  | 7.2  | 33   | 12.5  | 11.0  | 2.9  | 1.1  |
| AUG<br>16... | 0830 | 81213   | 21  | 7.4   | 87  | 7.1  | 69   | 21.1  | 21.8  | 5.7  | 1.4  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>29... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | 2.3   | <2.0  | 2.4  |
| AUG<br>16... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 5.6  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02333970 CHESTATEE RIVER AT GEORGIA HIGHWAY 400,  
NEAR DAHLONEGA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 34°28'00", long 83°58'07", Lumpkin County, Hydrologic Unit 03130001, at bridge on Georgia Highway 400, 0.2 mile upstream from Long Branch Creek, and 5.9 miles south of Dahlonega.

**DRAINAGE AREA.--**227 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**August 1976; January 2000 to December 2000.

**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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00028) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION<br>(PER-<br>CENT<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>UNITS)<br>(00403) |
|-------|------|--|---|---|--|---|---|--|--|--|
| JAN   |      |  |   |   |  |   |   |  |  |  |
| 27... | 0940 | 81213  | 400   | .6  | <1   | 2.9                                     | 12.3  | 88   | 7.1  | 7.2  |
| FEB   |      |  |   |   |  |   |   |  |  |  |
| 02... | 1530 | 81213  | 380   | --  | --   | --                                      | 12.8  | 98   | 7.0  | --   |
| 08... | 0900 | 81213  | 310   | --  | --   | --                                      | 12.6  | 98   | 6.9  | --   |
| 24... | 0930 | 81213  | 318   | .4  | 3  | 2.6                                     | 10.8  | 94   | 6.8  | 7.2  |
| MAR   |      |  |   |   |  |   |   |  |  |  |
| 29... | 1050 | 81213  | 380   | .8  | 4  | 5.2                                     | 10.1  | 96   | 7.1  | 7.2  |
| APR   |      |  |   |   |  |   |   |  |  |  |
| 12... | 1420 | 81213  | 530   | .6  | <1   | 6.2                                     | 9.2   | 93   | 6.9  | 7.2  |
| MAY   |      |  |   |   |  |   |   |  |  |  |
| 17... | 0910 | 81213  | 216   | 1.5   | 6  | 4.6                                     | 8.2   | 89   | 7.0  | 7.1  |
| 23... | 0830 | 81213  | 210   | --  | --   | --                                      | 7.4   | 84   | 6.9  | --   |
| JUN   |      |  |   |   |  |   |   |  |  |  |
| 08... | 0915 | 81213  | 155   | --  | --   | --                                      | 8.5   | 93   | 7.0  | --   |
| 14... | 1350 | 81213  | 136   | 2.0   | 6  | 4.0                                     | 8.2   | 103  | 6.4  | 7.2  |
| JUL   |      |  |   |   |  |   |   |  |  |  |
| 05... | 1240 | 81213  | 156   | .6  | 8  | 8.5                                     | 8.5   | 108  | 7.3  | 7.3  |
| AUG   |      |  |   |   |  |   |   |  |  |  |
| 16... | 0715 | 81213  | 93  | .7  | 7  | 6.1                                     | 6.7   | 81   | 6.8  | 7.4  |
| 23... | 1400 | 81213  | 75  | --  | --   | --                                      | 7.8   | 95   | 7.2  | --   |
| 30... | 1445 | 81213  | 92  | --  | --   | --                                      | 8.1   | 101  | 7.4  | --   |
| SEP   |      |  |   |   |  |   |   |  |  |  |
| 13... | 1315 | 81213  | 86  | 1.0   | 6  | 5.4                                     | 7.7   | 94   | 7.4  | 7.3  |
| OCT   |      |  |   |   |  |   |   |  |  |  |
| 18... | 1350 | 81213  | 84  | .7  | 2  | 3.9                                     | 9.1   | 94   | 6.8  | 7.4  |
| NOV   |      |  |   |   |  |   |   |  |  |  |
| 07... | 1430 | 81213  | 98  | 1.3   | 5  | 5.5                                     | 9.0   | 91   | 7.0  | 7.3  |
| 13... | 1500 | 81213  | 196   | --  | --   | --                                      | 10.3  | 95   | 7.2  | --   |
| 28... | 1330 | 81213  | 248   | --  | --   | --                                      | 11.2  | 95   | 7.1  | --   |
| 29... | 1340 | 81213  | 225   | --  | --   | --                                      | 11.5  | 98   | 7.1  | --   |
| DEC   |      |  |   |   |  |   |   |  |  |  |
| 12... | 1350 | 81213  | 196   | .4  | 2  | 1.8                                     | 11.7  | 101  | 7.2  | 7.4  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02333970 CHESTATEE RIVER AT GEORGIA HIGHWAY 400,  
NEAR DAHLONEGA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 27... | 35  | 30  | -6.0  | .6  | 14   | .06   | .5  | <.020   | 2.1  | <20   |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 02... | --  | 30  | 8.6   | 3.3   | --   | --  | --  | --  | --   | 20  |
| 08... | --  | 32  | 1.5   | 4.0   | --   | --  | --  | --  | --   | 20  |
| 24... | 35  | 29  | 10.5  | 8.4   | 15   | .03   | .4  | <.020   | .40  | 50  |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 29... | 32  | 27  | 13.5  | 11.6  | 13   | .04   | .3  | <.020   | .60  | --  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 12... | 29  | 24  | 21.0  | 14.9  | 13   | .02   | .3  | <.020   | .70  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 17... | 33  | 29  | 19.0  | 18.1  | 12   | .03   | .2  | <.020   | 1.1  | 20  |
| 23... | --  | 30  | 15.0  | 19.7  | --   | --  | --  | --  | --   | 130   |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 08... | --  | 32  | 19.0  | 18.5  | --   | --  | --  | --  | --   | <20   |
| 14... | 34  | 29  | 31.5  | 25.2  | 14   | .03   | .3  | <.020   | 1.1  | 20  |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 05... | 35  | 36  | 34.2  | 25.7  | 14   | .04   | .2  | .030  | 1.4  | --  |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 16... | 37  | 35  | 20.3  | 23.5  | 15   | .03   | .2  | <.020   | .90  | 50  |
| 23... | --  | 37  | 29.0  | 23.8  | --   | --  | --  | --  | --   | 170   |
| 30... | --  | 34  | 30.0  | 24.7  | --   | --  | --  | --  | --   | <20   |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 13... | 39  | 35  | 30.0  | 23.6  | 15   | .08   | .2  | <.020   | 1.6  | E50   |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 18... | 43  | 40  | 27.5  | 15.3  | 16   | .08   | .2  | <.020   | 1.5  | --  |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 07... | 46  | 40  | 15.5  | 13.9  | 17   | .10   | .2  | <.020   | 1.6  | 490   |
| 13... | --  | 35  | 14.5  | 9.9   | --   | --  | --  | --  | --   | 80  |
| 28... | --  | 32  | 17.0  | 6.9   | --   | --  | --  | --  | --   | 110   |
| 29... | --  | 33  | 11.0  | 7.0   | --   | --  | --  | --  | --   | 50  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 12... | 42  | 36  | 7.5   | 7.3   | 15   | .03   | .4  | <.020   | 1.5  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02333970 CHESTATEE RIVER AT GEORGIA HIGHWAY 400,  
NEAR DAHLONEGA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN, DIS-SOLVED OXYGEN, (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301) | PH WATER WHOLE FIELD (STANDARD) UNITS (00400) | SPECIFIC CONDUCTANCE (US/CM) (00095) | TEMPERATURE AIR (DEG C) (00020) | TEMPERATURE WATER (DEG C) (00010) | CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916) | MAGNESIUM TOTAL RECOVERABLE (MG/L AS MG) (00927) |
|-----------|------|--|---|---|--|---|--------------------------------------|---------------------------------|-----------------------------------|--|--|
| MAR 29... | 1050 | 81213                                  | 380   | 10.1                                      | 96   | 7.1   | 27                                   | 13.5                            | 11.6                              | 2.2  | .9   |
| AUG 16... | 0715 | 81213                                  | 93  | 6.7                                       | 81   | 6.8   | 35                                   | 20.3                            | 23.5                              | 2.5  | 1.1  |

| DATE      | ANTI-MONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | SELENIUM, TOTAL (UG/L AS SE) (01147) | THALLIUM, TOTAL (UG/L AS TL) (01059) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|-----------|---------------------------------------|------------------------------------|--|--|--|--|--|--|--------------------------------------|--------------------------------------|--|
| MAR 29... | <1.0                                  | <2.0                               | <.5  | <1.0   | 1.8  | <1.0   | <.1  | <1.0   | <2.0                                 | <2.0                                 | 1.3  |
| AUG 16... | <1.0                                  | <4.0                               | <.5  | <1.0   | <2.0   | <2.0   | <.1  | <1.0   | <4.0                                 | <2.0                                 | 2.1  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02334140 FLAT CREEK AT MCEVER ROAD, NEAR GAINESVILLE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 34°15'57", long 83°53'06", Hall County, Hydrologic Unit 03130001, at the downstream side of the culvert on McEver Road, 4.7 miles southwest of Gainesville.

**DRAINAGE AREA.--**6.9 mi<sup>2</sup>.

**PERIOD OF RECORD.--**April 1995 to December 1995, January 2000 to December 2000.

**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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|--|---|---|---|--|--|---|---|
| JAN   |      |   |  |   |   |   |  |  |   |   |
| 20... | 0805 | 81213   | 24   | 2.9   | 17  | 17                                      | 9.6  | 89   | 7.1   | 7.6   |
| FEB   |      |   |  |   |   |   |  |  |   |   |
| 02... | 0845 | 81213   | 19   | --  | --  | --                                      | 11.2   | 96   | 7.0   | --  |
| 09... | 0920 | 81213   | 15   | --  | --  | --                                      | 10.8   | 96   | 7.0   | --  |
| 16... | 0745 | 81213   | 17   | 2.6   | 31  | 4.3                                     | 10.8   | 101  | 7.1   | 7.2   |
| MAR   |      |   |  |   |   |   |  |  |   |   |
| 23... | 0920 | 81213   | 22   | 1.2   | <1  | 3.0                                     | 9.5  | 98   | 7.4   | 7.7   |
| APR   |      |   |  |   |   |   |  |  |   |   |
| 13... | 0710 | 81213   | 15   | 2.4   | 4   | 2.2                                     | 11.0   | 117  | 7.2   | 7.5   |
| MAY   |      |   |  |   |   |   |  |  |   |   |
| 08... | 0745 | 81213   | 15   | 2.2   | 8   | 3.1                                     | 7.5  | 85   | 7.3   | 7.1   |
| 11... | 0745 | 81213   | 16   | --  | --  | --                                      | 7.5  | 85   | 7.3   | --  |
| JUN   |      |   |  |   |   |   |  |  |   |   |
| 01... | 0705 | 81213   | 15   | 1.2   | 6   | 1.6                                     | 6.8  | 80   | 7.1   | 7.2   |
| 06... | 0645 | 81213   | 14   | --  | --  | --                                      | 7.0  | 83   | 7.4   | --  |
| JUL   |      |   |  |   |   |   |  |  |   |   |
| 17... | 0845 | 81213   | 13   | --  | --  | --                                      | 7.6  | 91   | 7.6   | --  |
| 24... | 0710 | 81213   | 15   | 1.3   | 8   | 3.9                                     | 6.9  | 85   | 7.3   | 7.5   |
| AUG   |      |   |  |   |   |   |  |  |   |   |
| 03... | 0700 | 81213   | 22   | --  | --  | --                                      | 6.9  | 86   | 7.2   | --  |
| 07... | 0730 | 81213   | 18   | 1.0   | 6   | 3.3                                     | 7.2  | 89   | 6.9   | 7.7   |
| SEP   |      |   |  |   |   |   |  |  |   |   |
| 12... | 0715 | 81213   | 14   | 2.3   | 4   | 1.8                                     | 7.3  | 88   | 7.4   | 7.5   |
| 18... | 0745 | 81213   | 7.0  | --  | --  | --                                      | 7.8  | 88   | 7.5   | --  |
| 25... | 0850 | 81213   | 32   | --  | --  | --                                      | 7.6  | 92   | 6.9   | --  |
| OCT   |      |   |  |   |   |   |  |  |   |   |
| 03... | 0740 | 81213   | 17   | .7  | 4   | 2.1                                     | 8.2  | 93   | 7.5   | 7.9   |
| NOV   |      |   |  |   |   |   |  |  |   |   |
| 06... | 0835 | 81213   | 8.0  | 1.3   | 4   | 2.8                                     | 7.6  | 82   | 6.9   | 7.5   |
| DEC   |      |   |  |   |   |   |  |  |   |   |
| 13... | 0830 | 81213   | 16   | 1.1   | 5   | 2.9                                     | 9.6  | 89   | 6.9   | 7.6   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02334140 FLAT CREEK AT MCEVER ROAD, NEAR GAINESVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 20... | 394   | 403   | 5.0   | 10.0  | 30   | .29   | 4.4   | .180  | 3.5  | 700   |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 02... | --  | 600   | .0  | 7.7   | --   | --  | --  | --  | --   | 80  |
| 09... | --  | 656   | 10.5  | 9.3   | --   | --  | --  | --  | --   | 490   |
| 16... | 520   | 463   | 11.0  | 11.3  | 38   | .09   | 6.5   | .330  | 3.7  | 1100  |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 23... | 562   | 551   | 17.8  | 15.6  | 39   | .06   | 8.4   | .180  | 2.7  | --  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 13... | 597   | 573   | 12.0  | 16.6  | 51   | .09   | 7.3   | .300  | 2.9  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 08... | 646   | 663   | 22.3  | 20.0  | 32   | .22   | 13.0  | .440  | 3.7  | 50  |
| 11... | --  | 740   | 21.5  | 19.9  | --   | --  | --  | --  | --   | 3500  |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 01... | 784   | 787   | 21.0  | 21.8  | 49   | .28   | 17.0  | .620  | 5.2  | 210   |
| 06... | --  | 778   | 18.2  | 21.8  | --   | --  | --  | --  | --   | 1100  |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 17... | --  | 857   | 25.9  | 23.9  | --   | --  | --  | --  | --   | 790   |
| 24... | 724   | 743   | 21.4  | 24.1  | 52   | .16   | 14.0  | .380  | 4.3  | 330   |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 03... | --  | 627   | 22.3  | 24.6  | --   | --  | --  | --  | --   | >24000  |
| 07... | 803   | 811   | 22.9  | 25.6  | 53   | .14   | 13.0  | .530  | 3.2  | 330   |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 12... | 792   | 797   | 19.9  | 23.1  | 45   | .07   | 15.0  | .450  | 3.5  | 1100  |
| 18... | --  | 835   | 19.9  | 19.7  | --   | --  | --  | --  | --   | 130   |
| 25... | --  | 341   | 23.9  | 22.5  | --   | --  | --  | --  | --   | 3500  |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 03... | 751   | 765   | 14.4  | 20.2  | 55   | .10   | 12.0  | .270  | 3.2  | 330   |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 06... | 730   | 745   | 13.0  | 17.7  | 53   | .09   | 14.0  | .330  | 2.9  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 13... | 670   | 688   | 1.5   | 10.8  | 38   | .10   | 11.0  | .180  | 3.8  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02334140 FLAT CREEK AT MCEVER ROAD, NEAR GAINESVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| MAR<br>23... | 0920 | 81213   | 22  | 9.5   | 98  | 7.4  | 551  | 17.8  | 15.6  | 19   | 14   |
| AUG<br>07... | 0730 | 81213   | 18  | 7.2   | 89  | 6.9  | 811  | 22.9  | 25.6  | 22   | 21   |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>23... | <1.0  | <2.0   | <.5  | <1.0  | 1.2  | 1.2  | <.1  | 11   | <2.0  | <2.0  | 34   |
| AUG<br>07... | <1.0  | <2.0   | <.5  | <1.0  | 4.6  | 1.0  | <.1  | 9.3  | <2.0  | <2.0  | 36   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02334500 CHATTAHOOCHEE RIVER NEAR BUFORD, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 34°07'34", long 84°05'37", Gwinnett-Forsyth County line, Hydrologic Unit 03130001, at bridge on Georgia Highway 20, 0.7 mile downstream from Richland Creek, and 5.1 miles northwest of Buford.

**DRAINAGE AREA.**--1,060 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--May 1957; January 2000 to December 2000 (discontinued).

**REMARKS.**--The flow at this station is regulated by Lake Sidney Lanier (station 02334400). 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>FIELD<br>CENT<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) |
|-------|------|---|---|---|--|---|---|---|---|---|---|---|---|
| JAN   |      |   |   |   |  |   |   |   |   |   |   |   |   |
| 20... | 0920 | 81213   | 561   | .4  | 2  | 2.7                                     | 11.0  | 99.2  | 7.0   | 7.4   | 47  | 47  | 5.0   |
| FEB   |      |   |   |   |  |   |   |   |   |   |   |   |   |
| 02... | 1400 | 81213   | 568   | --  | --   | --                                      | 11.5  | 100   | 7.2   | --  | --  | 44  | 13.0  |
| 09... | 1030 | 81213   | 568   | --  | --   | --                                      | 11.5  | 97.1  | 7.4   | --  | --  | 43  | 12.0  |
| 16... | 0845 | 81213   | 575   | .7  | <1   | 2.2                                     | 11.0  | 95.4  | 7.1   | 7.2   | 47  | 45  | 11.5  |
| MAR   |      |   |   |   |  |   |   |   |   |   |   |   |   |
| 23... | 1035 | 81213   | 575   | .6  | <1   | 1.2                                     | 11.6  | 104   | 7.4   | 7.4   | 48  | 50  | 20.5  |
| APR   |      |   |   |   |  |   |   |   |   |   |   |   |   |
| 13... | 0830 | 81213   | 568   | .6  | 2  | 1.2                                     | 10.7  | 93.3  | 7.0   | 7.3   | 48  | 50  | 12.5  |
| MAY   |      |   |   |   |  |   |   |   |   |   |   |   |   |
| 08... | 0925 | 81213   | 598   | .8  | <1   | .4                                      | 10.1  | 89.9  | 7.0   | 7.0   | 47  | 45  | 25.4  |
| 11... | 0845 | 81213   | 575   | --  | --   | --                                      | 9.4   | 82.4  | 7.1   | --  | --  | 47  | 21.5  |
| JUN   |      |   |   |   |  |   |   |   |   |   |   |   |   |
| 01... | 0805 | 81213   | 598   | .5  | 2  | .4                                      | 9.3   | 81.3  | 6.5   | 7.1   | 48  | 47  | 17.0  |
| 06... | 0750 | 81213   | 590   | --  | --   | --                                      | 8.2   | 73.2  | 6.8   | --  | --  | 52  | 19.8  |
| JUL   |      |   |   |   |  |   |   |   |   |   |   |   |   |
| 17... | 0945 | 81213   | 598   | --  | --   | --                                      | 7.6   | 68.7  | 7.0   | --  | --  | 48  | 24.3  |
| 24... | 0825 | 81213   | 598   | .6  | 1  | 1.1                                     | 6.9   | 61.9  | 6.8   | 6.9   | 47  | 46  | 20.5  |
| AUG   |      |   |   |   |  |   |   |   |   |   |   |   |   |
| 03... | 0800 | 81213   | 598   | --  | --   | --                                      | 6.8   | 60.9  | 6.7   | --  | --  | 46  | 24.2  |
| 07... | 0900 | 81213   | 621   | .6  | 2  | 1.5                                     | 6.5   | 58.3  | 7.5   | 7.2   | 47  | 48  | 25.2  |
| SEP   |      |   |   |   |  |   |   |   |   |   |   |   |   |
| 12... | 0835 | 81213   | 636   | .9  | 3  | 2.2                                     | 5.4   | 51.0  | 6.7   | 6.9   | 48  | 46  | 23.8  |
| 18... | 0850 | 81213   | 1640  | --  | --   | --                                      | 11.4  | 103   | 7.0   | --  | --  | 47  | 17.6  |
| 25... | 0945 | 81213   | 702   | --  | --   | --                                      | 10.7  | 99.5  | 6.9   | --  | --  | 44  | 24.1  |
| OCT   |      |   |   |   |  |   |   |   |   |   |   |   |   |
| 03... | 1045 | 81213   | 773   | .5  | 2  | 8.0                                     | 6.6   | 60.0  | 7.1   | 7.2   | 47  | 51  | 16.4  |
| NOV   |      |   |   |   |  |   |   |   |   |   |   |   |   |
| 06... | 0935 | 81213   | 746   | .6  | 3  | 8.0                                     | 6.3   | 58.5  | 6.5   | 6.9   | 50  | 58  | 13.0  |
| DEC   |      |   |   |   |  |   |   |   |   |   |   |   |   |
| 13... | 0940 | 81213   | 746   | .4  | 4  | 3.2                                     | 8.5   | 77.8  | 7.3   | 7.3   | 50  | 50  | 2.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02334500 CHATTAHOOCHEE RIVER NEAR BUFORD, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |   |  |   |
| 20... | 9.0   | 16   | .11   | .1  | <.020   | 2.3  | 50  |
| FEB   |   |  |   |   |   |  |   |
| 02... | 8.5   | --   | --  | --  | --  | --   | <20   |
| 09... | 7.3   | --   | --  | --  | --  | --   | <20   |
| 16... | 8.0   | 17   | .12   | .1  | <.020   | 2.2  | <20   |
| MAR   |   |  |   |   |   |  |   |
| 23... | 9.6   | 17   | .07   | .2  | <.020   | 1.2  | --  |
| APR   |   |  |   |   |   |  |   |
| 13... | 8.5   | 16   | .06   | .2  | <.020   | 1.5  | --  |
| MAY   |   |  |   |   |   |  |   |
| 08... | 9.3   | 16   | .04   | .3  | <.020   | 1.3  | <20   |
| 11... | 8.6   | --   | --  | --  | --  | --   | <20   |
| JUN   |   |  |   |   |   |  |   |
| 01... | 8.7   | 14   | .04   | .4  | <.020   | 1.3  | <20   |
| 06... | 8.9   | --   | --  | --  | --  | --   | <20   |
| JUL   |   |  |   |   |   |  |   |
| 17... | 9.7   | --   | --  | --  | --  | --   | <20   |
| 24... | 9.5   | 15   | .04   | .4  | <.020   | 1.6  | 20  |
| AUG   |   |  |   |   |   |  |   |
| 03... | 9.6   | --   | --  | --  | --  | --   | 50  |
| 07... | 9.9   | 15   | .06   | .4  | .020  | .90  | <20   |
| SEP   |   |  |   |   |   |  |   |
| 12... | 11.8  | 15   | .08   | .3  | <.020   | 1.2  | 20  |
| 18... | 10.0  | --   | --  | --  | --  | --   | 20  |
| 25... | 10.8  | --   | --  | --  | --  | --   | 330   |
| OCT   |   |  |   |   |   |  |   |
| 03... | 10.2  | 17   | .26   | .2  | <.020   | 1.5  | 70  |
| NOV   |   |  |   |   |   |  |   |
| 06... | 10.9  | 18   | .40   | .1  | <.020   | 1.1  | --  |
| DEC   |   |  |   |   |   |  |   |
| 13... | 11.0  | 15   | .18   | .1  | <.020   | 1.4  | --  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02334500 CHATTAHOOCHEE RIVER NEAR BUFORD, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>SOLVED<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) |
|--------------|------|---|---|--|---|--|--|---|---|--|--|---|--|
| MAR<br>23... | 1035 | 81213   | 575   | 11.6   | 100   | 7.4  | 50   | 20.5  | 9.6   | 2.8  | 1.2  | <1.0  | <2.0   |
| AUG<br>07... | 0900 | 81213   | 621   | 6.5  | 58  | 7.5  | 48   | 25.2  | 9.9   | 2.9  | 1.2  | <1.0  | <2.0   |

| DATE         | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|--|---|--|--|--|--|---|---|--|
| MAR<br>23... | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | 2.4   | <2.0  | 1.9  |
| AUG<br>07... | <.5  | <1.0  | <1.0   | 1.0  | <.1  | <1.0   | <2.0  | <2.0  | 3.6  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02334885 SUWANEE CREEK NEAR SUWANEE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 34°01'56", long 84°05'22", Gwinnett County, Hydrologic Unit 03130001, at bridge on Georgia Highway 13 (old US Highway 23), 0.2 mile upstream from Bennett Creek, 0.6 mile downstream from Mill Creek, 3.1 miles upstream from the mouth, and 2.4 miles southwest of Suwanee.

**DRAINAGE AREA.**--46.8 mi<sup>2</sup>.

**PERIOD OF RECORD.**—March 1996 to current year (Gwinnett County Long-Term Monitoring Project), January 2000 to December 2000 (USGS-Georgia DNR-EPD Cooperative Sampling Program, discontinued).

**REMARKS.**--The streamflow gaging station at this site is located on the upstream side of the right-bank bridge pier. Data for this station which were collected as part of other projects of the U.S. Geological Survey are presented in a separate theme of this report. Data collected as part of the Gwinnett County Long-Term monitoring project are published in separate reports of the U.S. Geological Survey. 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>UNITS<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |     |
|-------|------|---|---|---|---|---|---|--|--|-----|
| JAN   |      |   |   |   |   |   |   |  |  |     |
| 20... | 1030 | 81213   | 67  | 1.7   | 50  | 41                                      | 11.3  | 99   | 7.1  | 7.1 |
| FEB   |      |   |   |   |   |   |   |  |  |     |
| 02... | 1445 | 81213   | 38  | --  | --  | --                                      | 12.6  | 99   | 6.9  | --  |
| 09... | 1130 | 81213   | 32  | --  | --  | --                                      | 11.4  | 94   | 7.2  | --  |
| 16... | 1020 | 81213   | 57  | 1.1   | 20  | 27                                      | 6.5   | 57   | 7.0  | 7.3 |
| MAR   |      |   |   |   |   |   |   |  |  |     |
| 23... | 1230 | 81213   | 64  | 1.2   | 10  | 16                                      | 9.0   | 86   | 7.0  | 7.4 |
| APR   |      |   |   |   |   |   |   |  |  |     |
| 13... | 0915 | 81213   | 45  | 1.2   | 8   | 8.4                                     | 8.0   | 82   | 7.0  | 7.3 |
| MAY   |      |   |   |   |   |   |   |  |  |     |
| 08... | 1115 | 81213   | 29  | 1.0   | 19  | 18                                      | 7.9   | 88   | 7.2  | 7.4 |
| 11... | 0935 | 81213   | 26  | --  | --  | --                                      | 7.7   | 84   | 7.2  | --  |
| JUN   |      |   |   |   |   |   |   |  |  |     |
| 01... | 0830 | 81213   | 14  | .7  | 12  | 9.7                                     | 7.5   | 83   | 6.8  | 7.3 |
| 06... | 0900 | 81213   | 17  | --  | --  | --                                      | 7.1   | 80   | 7.1  | --  |
| JUL   |      |   |   |   |   |   |   |  |  |     |
| 17... | 1030 | 81213   | 12  | --  | --  | --                                      | 6.7   | 80   | 7.2  | --  |
| 24... | 0930 | 81213   | 50  | 3.6   | 170   | 210                                     | 6.5   | 77   | 7.0  | 6.8 |
| AUG   |      |   |   |   |   |   |   |  |  |     |
| 03... | 0850 | 81213   | 43  | --  | --  | --                                      | 6.8   | 81   | 6.8  | --  |
| 07... | 1030 | 81213   | 28  | .9  | 30  | 67                                      | 6.7   | 81   | 7.3  | 7.5 |
| SEP   |      |   |   |   |   |   |   |  |  |     |
| 12... | 0950 | 81213   | 21  | 3.4   | 11  | 11                                      | 7.2   | 82   | 7.4  | 7.5 |
| 18... | 0955 | 81213   | 17  | --  | --  | --                                      | 7.8   | 83   | 7.4  | --  |
| 25... | 1030 | 81213   | 114   | --  | --  | --                                      | 6.7   | 79   | 6.9  | --  |
| OCT   |      |   |   |   |   |   |   |  |  |     |
| 03... | 1000 | 81213   | 17  | .8  | 7   | 11                                      | 7.8   | 83   | 7.4  | 7.5 |
| NOV   |      |   |   |   |   |   |   |  |  |     |
| 06... | 1005 | 81213   | 12  | 1.0   | 4   | 5.0                                     | 7.6   | 77   | 7.0  | 7.6 |
| DEC   |      |   |   |   |   |   |   |  |  |     |
| 13... | 1020 | 81213   | 20  | .7  | 7   | 6.5                                     | 10.5  | 86   | 7.0  | 7.7 |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02334885 SUWANEE CREEK NEAR SUWANEE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 20... | 114   | 117   | 5.0   | 8.0   | 24   | .95   | .5  | .050  | 2.9  | 330   |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 02... | --  | 125   | 14.0  | 4.5   | --   | --  | --  | --  | --   | <20   |
| 09... | --  | 124   | 14.0  | 6.3   | --   | --  | --  | --  | --   | E40   |
| 16... | 96  | 79  | 15.1  | 9.1   | 22   | .58   | .5  | .030  | 2.7  | 110   |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 23... | 96  | 101   | 20.8  | 11.6  | 24   | .14   | .6  | <.020   | 1.8  | --  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 13... | 113   | 110   | 16.0  | 15.5  | 24   | .16   | .6  | <.020   | 1.7  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 08... | 107   | 109   | 29.8  | 19.6  | 30   | .17   | .4  | <.020   | 2.3  | 110   |
| 11... | --  | 129   | 26.0  | 18.5  | --   | --  | --  | --  | --   | 230   |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 01... | 171   | 174   | 21.5  | 19.5  | 26   | .18   | .9  | <.020   | 2.0  | 110   |
| 06... | --  | 165   | 20.8  | 20.3  | --   | --  | --  | --  | --   | 490   |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 17... | --  | 173   | 29.5  | 22.9  | --   | --  | --  | --  | --   | 490   |
| 24... | 123   | 124   | 21.7  | 22.3  | 18   | .22   | .6  | .310  | 3.7  | 370   |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 03... | --  | 77  | 24.7  | 22.9  | --   | --  | --  | --  | --   | 790   |
| 07... | 94  | 97  | 30.4  | 23.8  | 26   | .21   | .4  | .070  | 2.5  | 130   |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 12... | 152   | 152   | 27.7  | 20.7  | 38   | .19   | .8  | .020  | 2.4  | 490   |
| 18... | --  | 168   | 19.4  | 17.2  | --   | --  | --  | --  | --   | 230   |
| 25... | --  | 66  | 28.4  | 22.1  | --   | --  | --  | --  | --   | 1800  |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 03... | 126   | 130   | 23.9  | 17.3  | 37   | .21   | .5  | <.020   | 3.1  | 9200  |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 06... | 161   | 165   | 14.0  | 15.2  | 45   | .09   | .7  | .020  | 2.0  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 13... | 128   | 139   | 3.4   | 6.5   | 33   | .50   | .7  | <.020   | 1.9  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02334885 SUWANEE CREEK NEAR SUWANEE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| MAR<br>23... | 1230 | 81213   | 64  | 9.0   | 86  | 7.0  | 101  | 20.8  | 11.6  | 7.5  | 1.6  |
| AUG<br>07... | 1030 | 81213   | 28  | 6.7   | 81  | 7.3  | 97   | 30.4  | 23.8  | 7.8  | 1.5  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>23... | <1.0  | <2.0   | <.5  | 1.3   | <1.0   | 2.6  | <.1  | 1.4  | <2.0  | <2.0  | 7.6  |
| AUG<br>07... | <1.0  | 2.5  | <.5  | 1.7   | <1.0   | 1.9  | <.1  | 1.5  | <2.0  | <2.0  | 6.8  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02335080 JOHNS CREEK AT OLD ALABAMA ROAD, NEAR ALPHARETTA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 34°00'40", long 84°13'12", Fulton County, Hydrologic Unit 03130001, at bridge on Old Alabama Road, 0.6 mile upstream from confluence with the Chattahoochee River, and 8.1 miles southeast of Alpharetta.

**DRAINAGE AREA.**--12.0 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--August, 1976; January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|---|---|---|---|
| JAN   |      |   |   |   |  |   |   |   |   |   |
| 20... | 1140 | 81213   | 17  | .9  | 13   | 17                                      | 10.7  | 93  | 7.1   | 7.3   |
| FEB   |      |   |   |   |  |   |   |   |   |   |
| 02... | 1520 | 81213   | 8.7   | --  | --   | --                                      | 11.8  | 97  | 7.1   | --  |
| 09... | 1225 | 81213   | 6.5   | --  | --   | --                                      | 11.8  | 99  | 7.2   | --  |
| 16... | 1120 | 81213   | 13  | .9  | 7  | 12                                      | 8.0   | 71  | 7.1   | 7.3   |
| MAR   |      |   |   |   |  |   |   |   |   |   |
| 23... | 1355 | 81213   | 13  | .8  | 3  | 7.4                                     | 8.8   | 91  | 7.1   | 7.6   |
| APR   |      |   |   |   |  |   |   |   |   |   |
| 13... | 1000 | 81213   | 8.4   | 1.1   | 4  | 3.9                                     | 11.5  | 116   | 7.1   | 7.4   |
| MAY   |      |   |   |   |  |   |   |   |   |   |
| 08... | 1220 | 81213   | 5.3   | .7  | 6  | 5.9                                     | 8.4   | 96  | 7.3   | 7.5   |
| 11... | 1030 | 81213   | 3.8   | --  | --   | --                                      | 8.4   | 91  | 7.3   | --  |
| JUN   |      |   |   |   |  |   |   |   |   |   |
| 01... | 0940 | 81213   | 3.3   | .5  | 2  | 3.4                                     | 7.9   | 87  | 6.8   | 7.5   |
| 06... | 0945 | 81213   | 5.0   | --  | --   | --                                      | 7.8   | 87  | 7.4   | --  |
| JUL   |      |   |   |   |  |   |   |   |   |   |
| 17... | 1130 | 81213   | 1.5   | --  | --   | --                                      | 7.4   | 89  | 7.3   | --  |
| 24... | 1040 | 81213   | 1.6   | .6  | 17   | 8.8                                     | 7.0   | 82  | 7.4   | 7.4   |
| AUG   |      |   |   |   |  |   |   |   |   |   |
| 03... | 0950 | 81213   | 5.6   | --  | --   | --                                      | 7.2   | 86  | 7.3   | --  |
| 07... | 1130 | 81213   | 2.3   | .9  | 2  | 4.0                                     | 7.1   | 88  | 7.4   | 7.7   |
| SEP   |      |   |   |   |  |   |   |   |   |   |
| 12... | 1120 | 81213   | 3.3   | 2.0   | 4  | 3.0                                     | 7.9   | 91  | 7.4   | 7.5   |
| 18... | 1100 | 81213   | 2.5   | --  | --   | --                                      | 8.5   | 91  | 7.3   | --  |
| 25... | 1130 | 81213   | 24  | --  | --   | --                                      | 7.4   | 88  | 7.0   | --  |
| OCT   |      |   |   |   |  |   |   |   |   |   |
| 03... | 1130 | 81213   | 4.5   | .6  | 2  | 3.4                                     | 8.5   | 92  | 7.4   | 7.6   |
| NOV   |      |   |   |   |  |   |   |   |   |   |
| 06... | 1110 | 81213   | 4.0   | 1.0   | 3  | 2.0                                     | 8.3   | 84  | 6.8   | 7.3   |
| DEC   |      |   |   |   |  |   |   |   |   |   |
| 13... | 1115 | 81213   | 6.2   | .4  | 3  | 2.8                                     | 11.8  | 94  | 7.0   | 7.7   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02335080 JOHNS CREEK AT OLD ALABAMA ROAD, NEAR ALPHARETTA, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|--------------|---|---|---|---|--|---|---|---|--|---|
| JAN<br>20... | 70  | 70  | 5.0   | 8.0   | 23   | .07   | .5  | <.020   | 2.3  | 330   |
| FEB<br>02... | --  | 80  | 14.0  | 6.1   | --   | --  | --  | --  | --   | 20  |
| 09...        | --  | 81  | 16.0  | 7.0   | --   | --  | --  | --  | --   | <20   |
| 16...        | 76  | 76  | 17.0  | 9.0   | 25   | .07   | .5  | .020  | 2.2  | 170   |
| MAR<br>23... | 66  | 63  | 25.0  | 15.6  | 23   | .03   | .3  | <.020   | 1.3  | --  |
| APR<br>13... | 78  | 76  | 12.9  | 14.7  | 30   | .05   | .2  | <.020   | 1.6  | --  |
| MAY<br>08... | 80  | 80  | 30.1  | 21.0  | 33   | .07   | .3  | <.020   | 1.8  | 80  |
| 11...        | --  | 82  | 26.6  | 18.2  | --   | --  | --  | --  | --   | 80  |
| JUN<br>01... | 81  | 80  | 24.5  | 19.4  | 33   | .08   | .2  | <.020   | 1.4  | 790   |
| 06...        | --  | 84  | 21.8  | 19.9  | --   | --  | --  | --  | --   | 330   |
| JUL<br>17... | --  | 83  | 26.4  | 23.5  | --   | --  | --  | --  | --   | 490   |
| 24...        | 81  | 81  | 24.2  | 22.2  | 34   | .05   | .2  | .020  | 7.2  | 110   |
| AUG<br>03... | --  | 76  | 25.2  | 23.3  | --   | --  | --  | --  | --   | 330   |
| 07...        | 80  | 82  | 31.3  | 25.1  | 32   | .03   | .2  | .020  | 1.3  | 460   |
| SEP<br>12... | 79  | 78  | 28.4  | 21.3  | 31   | .04   | .2  | <.020   | 2.0  | 490   |
| 18...        | --  | 76  | 19.6  | 17.4  | --   | --  | --  | --  | --   | 110   |
| 25...        | --  | 56  | 26.1  | 22.8  | --   | --  | --  | --  | --   | 1700  |
| OCT<br>03... | 82  | 84  | 24.3  | 17.9  | 32   | .04   | .2  | <.020   | 1.7  | 790   |
| NOV<br>06... | 86  | 86  | 14.3  | 14.8  | 37   | .04   | <.020   | <.020   | 1.5  | --  |
| DEC<br>13... | 81  | 82  | 3.1   | 5.5   | 32   | .04   | .2  | <.020   | 1.5  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02335080 JOHNS CREEK AT OLD ALABAMA ROAD, NEAR ALPHARETTA, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| MAR<br>23... | 1355 | 81213   | 13  | 8.8   | 91  | 7.1  | 63   | 25.0  | 15.6  | 5.5  | 1.5  |
| AUG<br>07... | 1130 | 81213   | 2.3   | 7.1   | 88  | 7.4  | 82   | 31.3  | 25.1  | 7.2  | 1.9  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>23... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | 2.4   | <2.0  | 2.8  |
| AUG<br>07... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 1.5  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02335350 CROOKED CREEK AT SPALDING DRIVE, NEAR NORCROSS, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 33°57'54", long 84°15'54", Gwinnett County, Hydrologic Unit 03130001, at bridge on Spalding Drive, 0.6 mile upstream from confluence with the Chattahoochee River, and 3.8 miles northwest of Norcross.

**DRAINAGE AREA.--**6.7 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**August 1976; April 1996 to current year (Gwinnett County Long-Term Trend Monitoring), January 2000 to December 2000 (USGS-EPD Cooperative Sampling Program, discontinued).

**REMARKS.--**Data for this station which were collected as part of other projects of the U.S. Geological Survey are presented in a separate theme of this report. Data collected as part of the Gwinnett County Long-Term Trend Monitoring project are published in separate reports of the U.S. Geological Survey. 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|---|--|--|
| JAN   |      |   |   |   |   |   |   |   |  |  |
| 20... | 1230 | 81213   | 10  | 1.6   | 12  | 23                                      | 11.1  | 99  | 6.9  | 7.2  |
| FEB   |      |   |   |   |   |   |   |   |  |  |
| 02... | 1550 | 81213   | 5.3   | --  | --  | --                                      | 11.1  | 94  | 7.0  | --   |
| 09... | 1310 | 81213   | 4.9   | --  | --  | --                                      | 10.9  | 97  | 7.1  | --   |
| 16... | 1215 | 81213   | 9.8   | 1.3   | 7   | 12                                      | 8.2   | 73  | 6.8  | 7.2  |
| MAR   |      |   |   |   |   |   |   |   |  |  |
| 23... | 1445 | 81213   | 11  | .7  | 4   | 11                                      | 8.5   | 92  | 7.1  | 7.7  |
| APR   |      |   |   |   |   |   |   |   |  |  |
| 13... | 1040 | 81213   | 6.3   | 1.0   | 4   | 5.4                                     | 10.8  | 110   | 7.0  | 7.4  |
| MAY   |      |   |   |   |   |   |   |   |  |  |
| 08... | 1330 | 81213   | 7.0   | 1.5   | 5   | 5.6                                     | 8.3   | 99  | 7.2  | 7.4  |
| 11... | 1250 | 81213   | 5.9   | --  | --  | --                                      | 8.5   | 99  | 7.2  | --   |
| JUN   |      |   |   |   |   |   |   |   |  |  |
| 01... | 1015 | 81213   | 4.7   | .8  | 11  | 8.1                                     | 7.2   | 82  | 6.8  | 7.4  |
| 06... | 1035 | 81213   | 5.2   | --  | --  | --                                      | 6.9   | 78  | 6.9  | --   |
| JUL   |      |   |   |   |   |   |   |   |  |  |
| 17... | 1200 | 81213   | 3.0   | --  | --  | --                                      | 8.3   | 103   | 6.9  | --   |
| 24... | 1125 | 81213   | 5.6   | 2.9   | 11  | 11                                      | 6.9   | 83  | 7.0  | 6.9  |
| AUG   |      |   |   |   |   |   |   |   |  |  |
| 03... | 1035 | 81213   | 8.2   | --  | --  | --                                      | 6.5   | 79  | 7.0  | --   |
| 07... | 1300 | 81213   | 4.1   | 1.2   | 10  | 8.4                                     | 6.6   | 84  | 7.0  | 7.5  |
| SEP   |      |   |   |   |   |   |   |   |  |  |
| 12... | 1210 | 81213   | 3.0   | .8  | 6   | 5.2                                     | 8.0   | 95  | 7.2  | 7.5  |
| 18... | 1150 | 81213   | 3.1   | --  | --  | --                                      | 8.8   | 96  | 7.2  | --   |
| 25... | 1210 | 81213   | 17  | --  | --  | --                                      | 7.4   | 89  | 6.8  | --   |
| OCT   |      |   |   |   |   |   |   |   |  |  |
| 03... | 1215 | 81213   | 3.1   | .7  | 3   | 5.3                                     | 8.6   | 96  | 7.2  | 7.5  |
| NOV   |      |   |   |   |   |   |   |   |  |  |
| 06... | 1145 | 81213   | 2.4   | 1.2   | 4   | 2.3                                     | 7.5   | 77  | 6.8  | 7.8  |
| DEC   |      |   |   |   |   |   |   |   |  |  |
| 13... | 1155 | 81213   | 4.0   | .6  | 4   | 4.5                                     | 10.8  | 89  | 7.0  | 7.8  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02335350 CROOKED CREEK AT SPALDING DRIVE, NEAR NORCROSS, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|--------------|---|---|---|---|--|---|---|---|--|---|
| JAN<br>20... | 74  | 74  | 7.0   | 9.0   | 24   | .13   | .4  | .030  | 3.8  | 490   |
| FEB<br>02... | --  | 103   | 16.0  | 7.6   | --   | --  | --  | --  | --   | 20  |
| 09...        | --  | 106   | 17.0  | 9.9   | --   | --  | --  | --  | --   | E170  |
| 16...        | 84  | 85  | 19.5  | 9.4   | 28   | .08   | .3  | .020  | 3.0  | 50  |
| MAR<br>23... | 93  | 89  | 26.0  | 17.8  | 32   | .05   | .3  | <.020   | 1.7  | --  |
| APR<br>13... | 108   | 105   | 13.0  | 14.9  | 40   | .06   | .2  | <.020   | 1.6  | --  |
| MAY<br>08... | 97  | 96  | 30.3  | 23.0  | 38   | .08   | .3  | <.020   | --   | 130   |
| 11...        | --  | 99  | 29.9  | 21.4  | --   | --  | --  | --  | --   | 230   |
| JUN<br>01... | 114   | 113   | 26.5  | 20.2  | 41   | .14   | .2  | .030  | 2.0  | 1100  |
| 06...        | --  | 106   | 22.1  | 20.4  | --   | --  | --  | --  | --   | 17000   |
| JUL<br>17... | --  | 109   | 34.0  | 25.0  | --   | --  | --  | --  | --   | 1100  |
| 24...        | 75  | 75  | 27.8  | 23.5  | 23   | .27   | .6  | .060  | 7.1  | 1100  |
| AUG<br>03... | --  | 76  | 26.4  | 23.7  | --   | --  | --  | --  | --   | 230   |
| 07...        | 97  | 99  | 35.4  | 27.0  | 39   | .05   | .2  | .020  | 2.2  | 50  |
| SEP<br>12... | 104   | 104   | 30.4  | 22.9  | 40   | .04   | .2  | <.020   | 1.7  | 170   |
| 18...        | --  | 105   | 20.2  | 18.2  | --   | --  | --  | --  | --   | 50  |
| 25...        | --  | 63  | 26.4  | 23.2  | --   | --  | --  | --  | --   | 1700  |
| OCT<br>03... | 108   | 111   | 23.6  | 19.7  | 41   | .05   | .2  | <.020   | 1.9  | 220   |
| NOV<br>06... | 121   | 124   | 14.3  | 15.5  | 47   | .06   | .1  | .030  | 2.1  | --  |
| DEC<br>13... | 110   | 113   | 3.4   | 6.9   | 41   | .06   | .3  | <.020   | 1.8  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02335350 CROOKED CREEK AT SPALDING DRIVE, NEAR NORCROSS, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| MAR<br>23... | 1445 | 81213   | 11  | 8.5   | 92  | 7.1  | 89   | 26.0  | 17.8  | 8.3  | 2.0  |
| AUG<br>07... | 1300 | 81213   | 4.1   | 6.6   | 84  | 7.0  | 99   | 35.4  | 27.0  | 9.7  | 2.0  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>23... | <1.0  | <2.0   | <.5  | <1.0  | 2.0  | <1.0   | <.1  | <1.0   | 2.0   | <2.0  | 9.2  |
| AUG<br>07... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 9.5  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02335790 WILLEO CREEK AT GEORGIA HIGHWAY 120, NEAR ROSWELL, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 34°00'10", long 84°23'40", Fulton County-Cobb County line, Hydrologic Unit 03130001, at bridge on Georgia Highway 120, 1.3 miles upstream from the confluence with the Chattahoochee River, and 2.0 miles southwest of Roswell.

**RAINAGE AREA.**--14.0 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--August 1976; January 2000 to December 2000 (discontinued).

**REMARKS.**--Data for this station which were collected as part of other projects of the U.S. Geological Survey are presented in a separate theme of this report. 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>UNITS)<br>(00403) |     |
|-------|------|--|---|---|--|---|--|---|--|-----|
| JAN   |      |  |   |   |  |   |  |   |  |     |
| 25... | 0940 | 81213  | 12  | 1.0   | 2  | 7.1                                     | 12.6   | 95  | 6.9  | 7.2 |
| FEB   |      |  |   |   |  |   |  |   |  |     |
| 03... | 0945 | 81213  | 8.1   | --  | --   | --                                      | 12.5   | 95  | 7.0  | --  |
| 07... | 0925 | 81213  | 7.5   | --  | --   | --                                      | 12.1   | 93  | 6.9  | --  |
| 16... | 0850 | 81213  | 10  | 1.0   | 6  | 8.3                                     | 10.5   | 91  | 7.1  | 7.3 |
| MAR   |      |  |   |   |  |   |  |   |  |     |
| 09... | 0950 | 81213  | 7.4   | .8  | 6  | 4.9                                     | 9.1  | 90  | 6.9  | 7.7 |
| APR   |      |  |   |   |  |   |  |   |  |     |
| 27... | 0930 | 81213  | 8.4   | --  | --   | --                                      | 9.1  | 88  | 7.1  | --  |
| 27... | 0931 | 81341  | 8.4   | <2.0  | --   | 4.0                                     | 9.1  | 88  | 7.1  | 7.3 |
| MAY   |      |  |   |   |  |   |  |   |  |     |
| 08... | 0920 | 81213  | 7.7   | --  | --   | --                                      | 8.2  | 90  | 6.6  | --  |
| 11... | 0745 | 81213  | 7.3   | 1.6   | 6  | 4.0                                     | 7.3  | 79  | 6.9  | 7.3 |
| 31... | 0910 | 81213  | 7.0   | --  | --   | --                                      | 7.2  | 80  | 7.0  | --  |
| JUN   |      |  |   |   |  |   |  |   |  |     |
| 05... | 0930 | 81213  | 6.6   | .4  | 4  | 5.6                                     | 6.7  | 77  | 7.1  | 7.3 |
| JUL   |      |  |   |   |  |   |  |   |  |     |
| 05... | 1310 | 81213  | 9.7   | .5  | 3  | 4.6                                     | 6.7  | 84  | 6.9  | 7.4 |
| 12... | 0605 | 81213  | 5.4   | --  | --   | --                                      | 4.8  | 57  | 6.8  | --  |
| 19... | 0615 | 81213  | 5.2   | --  | --   | --                                      | 4.6  | 54  | 6.8  | --  |
| AUG   |      |  |   |   |  |   |  |   |  |     |
| 02... | 0635 | 81213  | 12  | 3.4   | 11   | 9.7                                     | 6.9  | 84  | 7.1  | 7.6 |
| SEP   |      |  |   |   |  |   |  |   |  |     |
| 13... | 0715 | 81213  | 6.4   | .4  | 8  | 4.4                                     | 6.6  | 76  | 7.2  | 7.4 |
| OCT   |      |  |   |   |  |   |  |   |  |     |
| 05... | 0640 | 81213  | 7.1   | .9  | 17   | 13                                      | 6.6  | 71  | 6.9  | 7.7 |
| NOV   |      |  |   |   |  |   |  |   |  |     |
| 06... | 0835 | 81213  | 9.9   | 1.3   | 2  | 2.6                                     | 7.2  | 74  | 7.1  | 7.5 |
| 16... | 0845 | 81213  | 9.8   | --  | --   | --                                      | 9.7  | 85  | 6.9  | --  |
| 30... | 0705 | 81213  | 10  | --  | --   | --                                      | 10.2   | 87  | 6.9  | --  |
| DEC   |      |  |   |   |  |   |  |   |  |     |
| 04... | 0725 | 81213  | 10  | .3  | 5  | 4.4                                     | 10.8   | 87  | 6.9  | 7.4 |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02335790 WILLEO CREEK AT GEORGIA HIGHWAY 120, NEAR ROSWELL, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|--------------|---|--|---|---|--|---|---|---|--|---|
| JAN<br>25... | 70  | 70   | -3.0  | 2.5   | 23   | .15   | .3  | <.020   | 2.8  | 1100  |
| FEB<br>03... | --  | 75   | 1.0   | 3.0   | --   | --  | --  | --  | --   | 50  |
| 07...        | --  | 79   | 4.0   | 3.6   | --   | --  | --  | --  | --   | 130   |
| 16...        | 73  | 71   | 10.0  | 8.8   | 24   | .11   | .4  | <.020   | 2.5  | 40  |
| MAR<br>09... | 96  | 73   | 19.0  | 13.5  | 32   | .01   | .3  | <.020   | 1.0  | --  |
| APR<br>27... | --  | 77   | 13.6  | 12.8  | --   | --  | --  | --  | --   | --  |
| 27...        | 73  | 77   | 13.6  | 12.8  | 24   | <.03  | .2  | <.020   | 2.0  | --  |
| MAY<br>08... | --  | 82   | 28.5  | 18.9  | --   | --  | --  | --  | --   | 80  |
| 11...        | 81  | 85   | 22.0  | 17.7  | 30   | .09   | .2  | <.020   | 1.5  | 230   |
| 31...        | --  | 84   | 20.5  | 19.2  | --   | --  | --  | --  | --   | 220   |
| JUN<br>05... | 86  | 87   | 23.2  | 21.0  | 33   | .08   | .2  | .020  | 2.0  | 170   |
| JUL<br>05... | 83  | 86   | 38.9  | 25.3  | 33   | .16   | .1  | .020  | 1.5  | 80  |
| 12...        | --  | 91   | 22.4  | 23.5  | --   | --  | --  | --  | --   | 330   |
| 19...        | --  | 91   | 21.2  | 22.8  | --   | --  | --  | --  | --   | 230   |
| AUG<br>02... | 76  | 75   | 22.0  | 23.8  | 28   | .07   | .2  | .040  | 2.6  | 700   |
| SEP<br>13... | 82  | 80   | 21.5  | 21.3  | 31   | .06   | .1  | <.020   | 2.1  | --  |
| OCT<br>05... | 82  | 84   | 11.7  | 17.7  | 31   | .07   | .2  | <.020   | 1.9  | --  |
| NOV<br>06... | 90  | 93   | 14.1  | 15.2  | 36   | .07   | <.020   | .050  | 2.8  | 790   |
| 16...        | --  | 79   | 5.9   | 9.0   | --   | --  | --  | --  | --   | 170   |
| 30...        | --  | 80   | 2.0   | 7.7   | --   | --  | --  | --  | --   | 20  |
| DEC<br>04... | 79  | 82   | -.5   | 6.1   | 28   | .05   | .2  | <.020   | 2.8  | 90  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02335790 WILLEO CREEK AT GEORGIA HIGHWAY 120, NEAR ROSWELL, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| APR<br>27... | 0930 | 81213   | 8.4   | 9.1   | 88  | 7.1  | 77   | 13.6  | 12.8  | 5.8  | 1.9  |
| NOV<br>06... | 0835 | 81213   | 9.9   | 7.2   | 74  | 7.1  | 93   | 14.1  | 15.2  | 7.9  | 2.4  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| APR<br>27... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 1.8  |
| NOV<br>06... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 2.3  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02335830 CHATTAHOOCHEE RIVER AT JOHNSON FERRY ROAD,  
NEAR ATLANTA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°56'36", long 84°24'17", Fulton-Cobb County line, Hydrologic Unit 03130001, at bridge on Johnson Ferry Road, 1.9 miles upstream from Sope Creek, 0.3 mile northwest of Sandy Springs, and 3.6 miles northwest of Atlanta.

**DRAINAGE AREA.**--1380 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--March 1999; January 2000 to December 2000 (discontinued).

**REMARKS.**--Data for this station which were collected as part of other projects of the U.S. Geological Survey are presented in a separate theme of this report. The flow at this station is regulated by Lake Sidney Lanier (station 02334400). 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>TUR-<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>(PER-<br>CENT<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>UNITS)<br>(00403) |
|-------|------|--|---|---|--|---|---|---|---|--|
| JAN   |      |  |   |   |  |   |   |   |   |  |
| 25... | 1035 | 81213  | 1630  | 1.0   | 6  | 13                                      | 11.8  | 92  | 7.2   | 7.3  |
| FEB   |      |  |   |   |  |   |   |   |   |  |
| 03... | 1025 | 81213  | 1690  | --  | --   | --                                      | 11.7  | 95  | 7.1   | --   |
| 07... | 0955 | 81213  | 1140  | --  | --   | --                                      | 11.6  | 96  | 7.0   | --   |
| 16... | 1000 | 81213  | 1130  | 1.9   | 44   | 79                                      | 10.0  | 89  | 7.2   | 7.0  |
| MAR   |      |  |   |   |  |   |   |   |   |  |
| 09... | 1055 | 81213  | 1120  | 1.4   | 6  | 4.7                                     | 10.4  | 102   | 7.2   | 6.9  |
| APR   |      |  |   |   |  |   |   |   |   |  |
| 27... | 1030 | 81213  | 1340  | --  | --   | --                                      | 10.5  | 105   | 7.2   | --   |
| 27... | 1031 | 81341  | 1340  | <2.0  | --   | 5.0                                     | 10.5  | 105   | 7.2   | 7.3  |
| MAY   |      |  |   |   |  |   |   |   |   |  |
| 08... | 0950 | 81213  | 1310  | --  | --   | --                                      | 9.3   | 102   | 7.2   | --   |
| 11... | 0830 | 81213  | 1310  | 2.2   | 5  | 3.7                                     | 9.4   | 102   | 6.9   | 7.2  |
| 31... | 0940 | 81213  | 2310  | --  | --   | --                                      | 9.4   | 101   | 7.3   | --   |
| JUN   |      |  |   |   |  |   |   |   |   |  |
| 05... | 1035 | 81213  | 1820  | .5  | <1   | 4.4                                     | 9.1   | 97  | 7.2   | 7.1  |
| JUL   |      |  |   |   |  |   |   |   |   |  |
| 05... | 1035 | 81213  | 3260  | .6  | 8  | 6.9                                     | 9.7   | 102   | 7.2   | 7.2  |
| 12... | 0630 | 81213  | 4320  | --  | --   | --                                      | 8.9   | 93  | 6.8   | --   |
| 19... | 0645 | 81213  | 3400  | --  | --   | --                                      | 8.7   | 93  | 6.8   | --   |
| AUG   |      |  |   |   |  |   |   |   |   |  |
| 02... | 0725 | 81213  | 5470  | 2.3   | 150  | 200                                     | 7.4   | 83  | 6.8   | 7.0  |
| SEP   |      |  |   |   |  |   |   |   |   |  |
| 13... | 0820 | 81213  | 2650  | .5  | 10   | 5.7                                     | 8.8   | 92  | 7.2   | 7.2  |
| OCT   |      |  |   |   |  |   |   |   |   |  |
| 05... | 0750 | 81213  | 1950  | .6  | 8  | 7.4                                     | 8.9   | 93  | 6.9   | 7.4  |
| NOV   |      |  |   |   |  |   |   |   |   |  |
| 06... | 0940 | 81213  | 1440  | .9  | 3  | 2.6                                     | 8.3   | 83  | 7.3   | 7.3  |
| 16... | 0940 | 81213  | 1580  | --  | --   | --                                      | 9.4   | 86  | 7.0   | --   |
| 30... | 0730 | 81213  | 1610  | --  | --   | --                                      | 9.4   | 84  | 7.0   | --   |
| DEC   |      |  |   |   |  |   |   |   |   |  |
| 04... | 0820 | 81213  | 1380  | .6  | 3  | 2.8                                     | 9.8   | 86  | 6.9   | 7.3  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02335830 CHATTAHOOCHEE RIVER AT JOHNSON FERRY ROAD,  
NEAR ATLANTA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 25... | 83  | 82  | -2.0  | 4.0   | 22   | .23   | .7  | .070  | 1.9  | 230   |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 03... | --  | 76  | 3.0   | 6.0   | --   | --  | --  | --  | --   | 50  |
| 07... | --  | 68  | 5.0   | 6.8   | --   | --  | --  | --  | --   | <20   |
| 16... | 69  | 67  | 17.0  | 9.8   | 18   | .15   | .6  | .080  | 2.8  | 490   |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 09... | 76  | 71  | 24.0  | 13.6  | 18   | .62   | .6  | .420  | 1.6  | --  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 27... | --  | 78  | 20.8  | 14.0  | --   | --  | --  | --  | --   | --  |
| 27... | 76  | 78  | 20.8  | 14.0  | 20   | <.03  | .6  | .050  | 1.5  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 08... | --  | 82  | 27.0  | 18.7  | --   | --  | --  | --  | --   | 130   |
| 11... | 72  | 73  | 26.0  | 17.6  | 20   | .06   | .6  | .030  | 1.6  | 130   |
| 31... | --  | 71  | 24.0  | 17.9  | --   | --  | --  | --  | --   | 330   |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 05... | 72  | 73  | 24.1  | 17.4  | 19   | .20   | .8  | .040  | 2.1  | 20  |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 05... | 63  | 65  | 31.3  | 16.7  | 18   | .04   | .6  | .050  | 1.6  | 80  |
| 12... | --  | 64  | 20.5  | 16.3  | --   | --  | --  | --  | --   | 70  |
| 19... | --  | 64  | 18.8  | 17.5  | --   | --  | --  | --  | --   | <20   |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 02... | 57  | 57  | 21.5  | 19.4  | 15   | .17   | .6  | .200  | 2.7  | 5400  |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 13... | 68  | 65  | 24.3  | 16.7  | 19   | .05   | .6  | .550  | 2.1  | --  |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 05... | 74  | 75  | 11.7  | 16.8  | 20   | .04   | .5  | .040  | 1.4  | --  |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 06... | 85  | 88  | 15.0  | 14.6  | 22   | .14   | .8  | .060  | 1.8  | 80  |
| 16... | --  | 69  | 8.9   | 10.5  | --   | --  | --  | --  | --   | 80  |
| 30... | --  | 75  | 1.3   | 10.0  | --   | --  | --  | --  | --   | 20  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 04... | 86  | 89  | -1.8  | 9.1   | 22   | .13   | .9  | .040  | 2.6  | 20  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02335830 CHATTAHOOCHEE RIVER AT JOHNSON FERRY ROAD,  
NEAR ATLANTA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)     | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                    | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |  |
|--------------|------|---|---|---|---|--|--|--|--|--|--|--|
| DATE         |      | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097)             | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002)                        | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027)          | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042)   | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147)              | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059)                      | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
| APR<br>27... | 1030 | 81213   | 1340  | 10.5  | 105   | 7.2  | 78   | 20.8   | 14.0   | 4.4  | 1.4  |  |
| NOV<br>06... | 0940 | 81213   | 1440  | 8.3   | 83  | 7.3  | 88   | 15.0   | 14.6   | 5.1  | 1.5  |  |
| APR<br>27... |      | <1.0  | <2.0  | <.5   | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0   | <2.0   | 3.8  |
| NOV<br>06... |      | <1.0  | <4.0  | <.5   | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0   | <2.0   | 4.1  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02335877 SOPE CREEK AT COLUMNS DRIVE, NEAR MARIETTA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°55'35", long 84°25'50", Cobb County, Hydrologic Unit 03130001, at bridge on Columns Drive, 370 ft upstream from the confluence with the Chattahoochee River, and 3.7 miles southeast of Marietta.

**DRAINAGE AREA.**--30.8 mi<sup>2</sup>.

**PERIOD OF RECORD.**--August 1994; January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) |
|-------|------|---|---|---|---|--|---|--|--|---|
| JAN   |      |   |   |   |   |  |   |  |  |   |
| 25... | 1135 | 81213   | .8  | 2   | 7.0                                     | 12.9   | 97  | 7.3  | 7.4  | 93  |
| FEB   |      |   |   |   |   |  |   |  |  |   |
| 03... | 1055 | 81213   | --  | --  | --                                      | 12.8   | 97  | 7.2  | --   | --  |
| 07... | 1015 | 81213   | --  | --  | --                                      | 13.3   | 101   | 7.1  | --   | --  |
| 16... | 1105 | 81213   | 1.0   | 5   | 8.6                                     | 11.6   | 103   | 7.4  | 7.4  | 93  |
| MAR   |      |   |   |   |   |  |   |  |  |   |
| 09... | 1130 | 81213   | .6  | 2   | .9                                      | 11.0   | 111   | 7.6  | 7.7  | 124   |
| APR   |      |   |   |   |   |  |   |  |  |   |
| 27... | 1105 | 81213   | --  | --  | --                                      | 10.0   | 97  | 7.3  | --   | --  |
| 27... | 1106 | 81341   | <2.0  | --  | 2.0                                     | 10.0   | 97  | 7.3  | 7.7  | 100   |
| MAY   |      |   |   |   |   |  |   |  |  |   |
| 08... | 1015 | 81213   | --  | --  | --                                      | 7.7  | 86  | 7.5  | --   | --  |
| 11... | 0915 | 81213   | 2.7   | 2   | 2.0                                     | 8.6  | 93  | 7.2  | 7.5  | 108   |
| 31... | 1035 | 81213   | --  | --  | --                                      | 8.3  | 93  | 7.5  | --   | --  |
| JUN   |      |   |   |   |   |  |   |  |  |   |
| 05... | 1125 | 81213   | .4  | 3   | 2.4                                     | 7.1  | 83  | 7.5  | 7.7  | 116   |
| JUL   |      |   |   |   |   |  |   |  |  |   |
| 05... | 1130 | 81213   | .9  | 7   | 3.6                                     | 6.3  | 78  | 7.6  | 7.5  | 148   |
| 12... | 0705 | 81213   | --  | --  | --                                      | 6.3  | 77  | 7.2  | --   | --  |
| 19... | 0710 | 81213   | --  | --  | --                                      | 6.8  | 81  | 7.2  | --   | --  |
| AUG   |      |   |   |   |   |  |   |  |  |   |
| 02... | 0820 | 81213   | 3.8   | 77  | 92                                      | 7.6  | 90  | 7.0  | 7.1  | 59  |
| SEP   |      |   |   |   |   |  |   |  |  |   |
| 13... | 0930 | 81213   | 1.4   | 3   | 2.0                                     | 7.8  | 92  | 7.6  | 7.6  | 123   |
| OCT   |      |   |   |   |   |  |   |  |  |   |
| 05... | 0835 | 81213   | .3  | 3   | 4.2                                     | 7.8  | 83  | 7.1  | 7.7  | 111   |
| NOV   |      |   |   |   |   |  |   |  |  |   |
| 06... | 1030 | 81213   | 2.2   | 2   | 1.3                                     | 8.8  | 89  | 7.4  | 7.6  | 115   |
| 16... | 1015 | 81213   | --  | --  | --                                      | 11.1   | 97  | 7.2  | --   | --  |
| 30... | 0800 | 81213   | --  | --  | --                                      | 10.8   | 91  | 7.0  | --   | --  |
| DEC   |      |   |   |   |   |  |   |  |  |   |
| 04... | 0910 | 81213   | .5  | 4   | 5.2                                     | 11.4   | 91  | 7.0  | 7.5  | 98  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02335877 SOPE CREEK AT COLUMNS DRIVE, NEAR MARIETTA, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|---|---|--|---|---|---|--|---|
| JAN   |  |   |   |  |   |   |   |  |   |
| 25... | 90   | -2.0  | 2.5   | 25   | .08   | .7  | <.020   | 1.4  | 230   |
| FEB   |  |   |   |  |   |   |   |  |   |
| 03... | 109  | 7.0   | 3.0   | --   | --  | --  | --  | --   | 220   |
| 07... | 101  | 10.0  | 3.5   | --   | --  | --  | --  | --   | 170   |
| 16... | 89   | 22.0  | 10.0  | 27   | .06   | .7  | <.020   | 2.6  | 330   |
| MAR   |  |   |   |  |   |   |   |  |   |
| 09... | 87   | 23.0  | 14.6  | 41   | <.01  | .2  | <.020   | 1.2  | --  |
| APR   |  |   |   |  |   |   |   |  |   |
| 27... | 104  | 21.0  | 12.8  | --   | --  | --  | --  | --   | --  |
| 27... | 104  | 21.0  | 12.8  | 30   | <.03  | .4  | .020  | 1.5  | --  |
| MAY   |  |   |   |  |   |   |   |  |   |
| 08... | 107  | 29.0  | 19.6  | --   | --  | --  | --  | --   | 50  |
| 11... | 109  | 25.0  | 17.6  | 35   | .11   | .4  | <.020   | 1.5  | 330   |
| 31... | 105  | 23.2  | 20.3  | --   | --  | --  | --  | --   | 490   |
| JUN   |  |   |   |  |   |   |   |  |   |
| 05... | 122  | 22.0  | 21.7  | 35   | .07   | .4  | .020  | 2.2  | 700   |
| JUL   |  |   |   |  |   |   |   |  |   |
| 05... | 151  | 32.0  | 25.4  | 35   | .21   | .2  | .040  | 2.1  | 230   |
| 12... | 130  | 23.2  | 24.2  | --   | --  | --  | --  | --   | 80  |
| 19... | 125  | 20.6  | 23.1  | --   | --  | --  | --  | --   | 130   |
| AUG   |  |   |   |  |   |   |   |  |   |
| 02... | 59   | 22.4  | 23.3  | 15   | .16   | .6  | .120  | 3.0  | 9200  |
| SEP   |  |   |   |  |   |   |   |  |   |
| 13... | 122  | 27.6  | 22.2  | 35   | .05   | .3  | <.020   | 2.3  | --  |
| OCT   |  |   |   |  |   |   |   |  |   |
| 05... | 113  | 12.5  | 17.5  | 35   | .02   | .4  | <.020   | 1.5  | --  |
| NOV   |  |   |   |  |   |   |   |  |   |
| 06... | 118  | 14.4  | 15.3  | 41   | .08   | .1  | .020  | 1.8  | 3300  |
| 16... | 117  | 9.5   | 8.7   | --   | --  | --  | --  | --   | 220   |
| 30... | 119  | 1.6   | 7.4   | --   | --  | --  | --  | --   | 630   |
| DEC   |  |   |   |  |   |   |   |  |   |
| 04... | 101  | -1.0  | 5.9   | 28   | .15   | .7  | <.020   | 3.4  | >24000  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02335877 SOPE CREEK AT COLUMNS DRIVE, NEAR MARIETTA, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L)<br>AS SB)<br>(01097) |
|--------------|------|---|--|--|--|--|---|---|---|---|--|
| APR<br>27... | 1105 | 81213   | 10.0   | 97   | 7.3  | 104  | 21.0  | 12.8  | 8.5   | 2.2   | <1.0   |
| NOV<br>06... | 1030 | 81213   | 8.8  | 89   | 7.4  | 118  | 14.4  | 15.3  | 11  | 2.6   | <1.0   |

| DATE         | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|--|--|---|--|--|--|--|---|---|--|
| APR<br>27... | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 4.0  |
| NOV<br>06... | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | E4.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02335886 LONG ISLAND CREEK AT NORTHSIDE DRIVE, NEAR ATLANTA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 33°53'10", long 84°25'36", Fulton County, Hydrologic Unit 03130001, at bridge on Northside Drive, 1.2 miles upstream from confluence with the Chattahoochee River, and 0.8 mile northwest of Atlanta.

**DRAINAGE AREA.--**6.0 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**September 1976; January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>(CODE<br>NUMBER) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|--|--|--|
| JAN   |      |   |   |   |  |   |  |  |  |
| 25... | 1325 | 81213   | 3.2   | .6  | 10   | 3.7                                     | 12.5   | 97   | 7.1 7.3  |
| FEB   |      |   |   |   |  |   |  |  |  |
| 03... | 1205 | 81213   | 2.6   | --  | --   | --                                      | 12.3   | 93   | 7.1 --   |
| 07... | 1120 | 81213   | 2.2   | --  | --   | --                                      | 12.6   | 96   | 7.1 --   |
| 16... | 1320 | 81213   | 2.8   | .8  | 3  | 3.2                                     | 10.3   | 95   | 7.2 7.6  |
| MAR   |      |   |   |   |  |   |  |  |  |
| 09... | 1335 | 81213   | 2.3   | .8  | <1   | 4.7                                     | 10.1   | 102  | 7.5 7.4  |
| APR   |      |   |   |   |  |   |  |  |  |
| 27... | 1300 | 81213   | 2.1   | --  | --   | --                                      | 9.9  | 98   | 7.2 --   |
| 27... | 1301 | 81341   | 2.1   | <2.0  | --   | 1.0                                     | 9.9  | 98   | 7.2 7.6  |
| MAY   |      |   |   |   |  |   |  |  |  |
| 08... | 1125 | 81213   | 2.1   | --  | --   | --                                      | 8.6  | 95   | 7.4 --   |
| 11... | 1140 | 81213   | 2.1   | 2.1   | 4  | 1.2                                     | 8.3  | 90   | 7.1 7.6  |
| 31... | 1245 | 81213   | 1.4   | --  | --   | --                                      | 7.6  | 86   | 7.5 --   |
| JUN   |      |   |   |   |  |   |  |  |  |
| 05... | 1305 | 81213   | 1.9   | 2.5   | 14   | 7.9                                     | 7.0  | 81   | 7.5 7.2  |
| JUL   |      |   |   |   |  |   |  |  |  |
| 05... | 0800 | 81213   | .36   | .6  | 13   | 3.3                                     | 6.2  | 73   | 7.3 7.6  |
| 12... | 0800 | 81213   | 1.7   | --  | --   | --                                      | 5.4  | 66   | 6.9 --   |
| 19... | 0820 | 81213   | 1.7   | --  | --   | --                                      | 4.9  | 58   | 7.0 --   |
| AUG   |      |   |   |   |  |   |  |  |  |
| 02... | 0830 | 81213   | 2.9   | 3.5   | 16   | 30                                      | 7.2  | 86   | 6.9 7.4  |
| SEP   |      |   |   |   |  |   |  |  |  |
| 13... | 1115 | 81213   | 1.7   | 1.1   | 4  | 2.0                                     | 8.4  | 98   | 7.5 7.5  |
| OCT   |      |   |   |   |  |   |  |  |  |
| 05... | 0950 | 81213   | 1.4   | .5  | 1  | 2.2                                     | 8.0  | 86   | 7.1 7.7  |
| NOV   |      |   |   |   |  |   |  |  |  |
| 06... | 1225 | 81213   | 2.6   | 2.9   | <1   | 1.3                                     | 7.5  | 77   | 7.4 7.4  |
| 16... | 1205 | 81213   | 4.4   | --  | --   | --                                      | 10.3   | 92   | 7.2 --   |
| 30... | 0930 | 81213   | 1.7   | --  | --   | --                                      | 10.2   | 86   | 6.8 --   |
| DEC   |      |   |   |   |  |   |  |  |  |
| 04... | 1020 | 81213   | 1.7   | 1.4   | 3  | 1.4                                     | 10.1   | 82   | 6.9 7.5  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02335886 LONG ISLAND CREEK AT NORTHSIDE DRIVE, NEAR ATLANTA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 25... | 113   | 110   | 1.0   | 3.5   | 31   | .06   | .6  | <.020   | 2.4  | 80  |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 03... | --  | 150   | 8.0   | 3.0   | --   | --  | --  | --  | --   | <20   |
| 07... | --  | 134   | 10.0  | 3.4   | --   | --  | --  | --  | --   | <20   |
| 16... | 118   | 163   | 21.0  | 10.9  | 34   | .03   | .6  | <.020   | 2.6  | 50  |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 09... | 80  | 110   | 24.0  | 14.9  | 27   | .03   | .2  | <.020   | 1.1  | --  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 27... | --  | 119   | 16.7  | 14.0  | --   | --  | --  | --  | --   | --  |
| 27... | 111   | 119   | 16.7  | 14.0  | 36   | <.03  | .4  | <.020   | 2.3  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 08... | --  | 121   | 27.5  | 19.5  | --   | --  | --  | --  | --   | 80  |
| 11... | 124   | 124   | 26.4  | 17.6  | 42   | .05   | .4  | <.020   | 1.6  | 330   |
| 31... | --  | 126   | 26.4  | 20.8  | --   | --  | --  | --  | --   | 140   |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 05... | 120   | 118   | 22.0  | 21.2  | 41   | .09   | .4  | .060  | 5.3  | 7900  |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 05... | 121   | 125   | 23.5  | 22.2  | 44   | .06   | .2  | .050  | 2.2  | 700   |
| 12... | --  | 116   | 24.0  | 23.8  | --   | --  | --  | --  | --   | 81  |
| 19... | --  | 116   | 22.5  | 22.9  | --   | --  | --  | --  | --   | 130   |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 02... | 82  | 82  | 22.9  | 23.6  | 22   | .06   | .5  | .050  | 3.7  | 460   |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 13... | 137   | 135   | 28.5  | 22.0  | 44   | .29   | .7  | <.020   | 3.6  | --  |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 05... | 125   | 127   | 15.0  | 18.0  | 43   | .03   | .4  | <.020   | 1.4  | --  |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 06... | 137   | 145   | 13.8  | 15.4  | 48   | .11   | .1  | <.020   | --   | 700   |
| 16... | --  | 124   | 10.2  | 9.5   | --   | --  | --  | --  | --   | 790   |
| 30... | --  | 133   | 4.0   | 7.5   | --   | --  | --  | --  | --   | 280   |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 04... | 133   | 138   | 2.7   | 6.1   | 41   | .44   | .5  | .040  | 3.1  | 2400  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02335886 LONG ISLAND CREEK AT NORTHSIDE DRIVE, NEAR ATLANTA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE NUMBER<br>(00028) | DIS-CHARGE, INST. CUBIC FEET PER SECOND<br>(00061) | OXYGEN, DIS-SOLVED (PER-CENT SATURATION)<br>(MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATURATION)<br>(MG/L) (00301) | PH WATER WHOLE FIELD (STANDARD UNITS)<br>(00400) | SPE-CIFIC CONDUCTANCE<br>(US/CM) (00095) | TEMPERATURE AIR<br>(DEG C) (00020) | TEMPERATURE WATER<br>(DEG C) (00010) | CALCIUM TOTAL RECOVERABLE<br>(MG/L) (00916) | MAGNESIUM, TOTAL RECOVERABLE<br>(MG/L) (00927) |
|-----------|------|--|--|--|--|--|--|------------------------------------|--------------------------------------|---|--|
| APR 27... | 1300 | 81213                                      | 2.1  | 9.9  | 98   | 7.2  | 119                                      | 16.7                               | 14.0                                 | 10  | 2.5  |
| NOV 06... | 1225 | 81213                                      | 2.6  | 7.5  | 77   | 7.4  | 145                                      | 13.8                               | 15.4                                 | 13  | 2.9  |

| DATE      | ANTI-MONY, TOTAL<br>(UG/L) (AS SB)<br>(01097) | ARSENIC TOTAL<br>(UG/L) (AS AS)<br>(01002) | CADMIUM WATER UNFLTRD TOTAL<br>(UG/L) (AS CD)<br>(01027) | CHROMIUM, TOTAL RECOVERABLE<br>(UG/L) (AS CR)<br>(01034) | COPPER, TOTAL RECOVERABLE<br>(UG/L) (AS CU)<br>(01042) | LEAD, TOTAL RECOVERABLE<br>(UG/L) (AS PB)<br>(01051) | MERCURY TOTAL RECOVERABLE<br>(UG/L) (AS HG)<br>(71900) | NICKEL, TOTAL RECOVERABLE<br>(UG/L) (AS NI)<br>(01067) | SELENIUM, TOTAL RECOVERABLE<br>(UG/L) (AS SE)<br>(01147) | THALLIUM, TOTAL RECOVERABLE<br>(UG/L) (AS TL)<br>(01059) | ZINC, TOTAL RECOVERABLE<br>(UG/L) (AS ZN)<br>(01092) |
|-----------|---|--|--|--|--|--|--|--|--|--|--|
| APR 27... | <1.0  | <2.0                                       | <.5  | <1.0   | <1.0   | <1.0   | <.1  | <1.0   | <2.0   | <2.0   | 3.7  |
| NOV 06... | <1.0  | <4.0                                       | <.5  | <1.0   | <2.0   | <2.0   | <.1  | <1.0   | <4.0   | <2.0   | 3.6  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02335910 ROTTENWOOD CREEK AT INTERSTATE NORTH PARKWAY,  
NEAR SMYRNA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 33°53'37", long 84°27'28", Cobb County, Hydrologic Unit 03130001, at bridge on Interstate Parkway, 1.5 miles upstream from confluence with the Chattahoochee River, and 3.0 miles northeast of Smyrna.

**DRAINAGE AREA.--**18.6 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**June 1993, August 1993, March 1994, May 1994, June 1995, June 1999 to current year; January 2000 to December 2000 (USGS-Georgia DNR-EPD Cooperative Sampling Program, discontinued).

**REMARKS.--**Data for this station which were collected as part of other projects of the U.S. Geological Survey are presented in a separate theme of this report. 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |     |
|-------|------|---|---|---|--|---|--|--|--|-----|
| JAN   |      |   |   |   |  |   |  |  |  |     |
| 25... | 1220 | 81213   | 14  | 1.5   | 2  | 8.0                                     | 12.6   | 96   | 7.3  | 7.3 |
| FEB   |      |   |   |   |  |   |  |  |  |     |
| 03... | 1130 | 81213   | 9.6   | --  | --   | --                                      | 12.4   | 96   | 7.1  | --  |
| 07... | 1055 | 81213   | 10  | --  | --   | --                                      | 12.9   | 102  | 7.2  | --  |
| 16... | 1210 | 81213   | 16  | 1.9   | 82   | 77                                      | 10.7   | 99   | 7.4  | 7.3 |
| MAR   |      |   |   |   |  |   |  |  |  |     |
| 09... | 1235 | 81213   | 8.8   | .7  | 4  | 3.4                                     | 9.9  | 103  | 7.6  | 7.6 |
| APR   |      |   |   |   |  |   |  |  |  |     |
| 27... | 1205 | 81213   | 9.2   | --  | --   | --                                      | 10.4   | 104  | 7.3  | --  |
| 27... | 1206 | 81341   | 9.2   | <2.0  | --   | 4.0                                     | 10.4   | 104  | 7.3  | 7.6 |
| MAY   |      |   |   |   |  |   |  |  |  |     |
| 08... | 1050 | 81213   | 7.6   | --  | --   | --                                      | 8.8  | 98   | 7.6  | --  |
| 11... | 1300 | 81213   | 5.5   | 1.6   | 4  | 2.9                                     | 8.7  | 98   | 7.2  | 7.6 |
| 31... | 1140 | 81213   | 6.5   | --  | --   | --                                      | 8.9  | 101  | 7.6  | --  |
| JUN   |      |   |   |   |  |   |  |  |  |     |
| 05... | 1210 | 81213   | 6.8   | .9  | 5  | 3.0                                     | 7.9  | 92   | 7.5  | 7.5 |
| JUL   |      |   |   |   |  |   |  |  |  |     |
| 05... | 0910 | 81213   | 3.3   | .6  | 1  | 1.9                                     | 8.0  | 97   | 7.6  | 7.6 |
| 12... | 0730 | 81213   | 2.7   | --  | --   | --                                      | 7.0  | 87   | 7.2  | --  |
| 19... | 0750 | 81213   | 1.7   | --  | --   | --                                      | 7.3  | 88   | 7.1  | --  |
| AUG   |      |   |   |   |  |   |  |  |  |     |
| 02... | 0805 | 81213   | 19  | 4.2   | 42   | 48                                      | 7.7  | 93   | 6.9  | 7.1 |
| SEP   |      |   |   |   |  |   |  |  |  |     |
| 13... | 1025 | 81213   | 6.8   | 1.0   | 7  | 4.0                                     | 8.5  | 100  | 7.6  | 7.6 |
| OCT   |      |   |   |   |  |   |  |  |  |     |
| 05... | 0915 | 81213   | 7.2   | .6  | 5  | 4.8                                     | 8.6  | 93   | 7.2  | 7.6 |
| NOV   |      |   |   |   |  |   |  |  |  |     |
| 06... | 1140 | 81213   | 6.5   | 2.8   | 5  | 3.8                                     | 8.6  | 88   | 7.6  | 7.4 |
| 16... | 1105 | 81213   | 8.4   | --  | --   | --                                      | 10.7   | 95   | 7.3  | --  |
| 30... | 0850 | 81213   | 12  | --  | --   | --                                      | 10.7   | 91   | 7.0  | --  |
| DEC   |      |   |   |   |  |   |  |  |  |     |
| 04... | 0950 | 81213   | 11  | .6  | 4  | 4.4                                     | 11.8   | 96   | 7.0  | 7.3 |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02335910 ROTTENWOOD CREEK AT INTERSTATE NORTH PARKWAY,  
NEAR SMYRNA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 25... | 88  | 89  | .0  | 3.0   | 26   | .18   | .7  | .020  | 1.5  | 230   |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 03... | --  | 103   | 7.0   | 4.0   | --   | --  | --  | --  | --   | 330   |
| 07... | --  | 102   | 10.0  | 4.9   | --   | --  | --  | --  | --   | 110   |
| 16... | 98  | 96  | 20.5  | 11.4  | 28   | .28   | .7  | .110  | 3.2  | 330   |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 09... | 104   | 92  | 20.5  | 16.5  | 34   | .02   | .4  | <.020   | 1.1  | --  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 27... | --  | 107   | 20.3  | 14.4  | --   | --  | --  | --  | --   | --  |
| 27... | 103   | 107   | 20.3  | 14.4  | 31   | .07   | .6  | .020  | 2.3  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 08... | --  | 106   | 28.0  | 20.0  | --   | --  | --  | --  | --   | 130   |
| 11... | 108   | 110   | 26.5  | 19.6  | 36   | .07   | .6  | <.020   | 1.5  | 490   |
| 31... | --  | 99  | 24.0  | 20.8  | --   | --  | --  | --  | --   | 130   |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 05... | 104   | 105   | 22.6  | 21.8  | 34   | .06   | .5  | .030  | 3.2  | 330   |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 05... | 102   | 105   | 30.2  | 23.8  | 36   | .18   | .3  | .030  | 2.0  | 230   |
| 12... | --  | 105   | 27.4  | 24.9  | --   | --  | --  | --  | --   | 140   |
| 19... | --  | 109   | 25.9  | 23.6  | --   | --  | --  | --  | --   | 490   |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 02... | 51  | 51  | 23.5  | 23.8  | 14   | .10   | .6  | .080  | 3.0  | 9200  |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 13... | 116   | 114   | 28.7  | 22.2  | 34   | .04   | .5  | <.020   | 2.8  | --  |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 05... | 108   | 109   | 17.3  | 18.0  | 35   | .02   | .5  | <.020   | 1.3  | --  |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 06... | 113   | 115   | 14.4  | 15.7  | 38   | .04   | .2  | .020  | 2.3  | 3300  |
| 16... | --  | 106   | 10.2  | 9.4   | --   | --  | --  | --  | --   | 220   |
| 30... | --  | 106   | 5.5   | 7.9   | --   | --  | --  | --  | --   | 110   |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 04... | 84  | 86  | 3.2   | 6.1   | 24   | .10   | .8  | <.020   | 3.1  | 1700  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02335910 ROTTENWOOD CREEK AT INTERSTATE NORTH PARKWAY,  
NEAR SMYRNA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| APR<br>27... | 1205 | 81213   | 9.2   | 10.4  | 104   | 7.3  | 107  | 20.3  | 14.4  | 9.0  | 2.1  |
| NOV<br>06... | 1140 | 81213   | 6.5   | 8.6   | 88  | 7.6  | 115  | 14.4  | 15.7  | 11   | 2.4  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| APR<br>27... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 9.1  |
| NOV<br>06... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 12   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 33°50'18", long 84°26'22", Fulton County, Hydrologic Unit 03130001, at bridge on West Wesley Road, 0.6 mile upstream from confluence with Peachtree Creek, and, at Atlanta.

**DRAINAGE AREA.--**37.7 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**August 1976; January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT-<br>SATUR-<br>ATION<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) |
|-------|------|---|---|---|--|---|---|--|--|--|---|---|---|
| JAN   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 26... | 1100 | 81213   | 34  | .9  | 4  | 6.4                                     | 12.6  | 90.1   | 7.0  | 7.6  | 102   | 102   | -3.0  |
| FEB   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 29... | 1115 | 81213   | 22  | 1.3   | 3  | 4.4                                     | 10.9  | 100  | 7.1  | 7.4  | 118   | 118   | 18.0  |
| MAR   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 20... | 1230 | 81213   | 252   | 3.3   | 150  | 180                                     | 12.4  | 111  | 7.1  | 6.9  | 69  | 63  | 14.8  |
| 22... | 0910 | 81213   | 44  | --  | --   | --                                      | 9.4   | 90.5   | 6.9  | --   | --  | 103   | 15.0  |
| 30... | 1145 | 81213   | 39  | --  | --   | --                                      | 9.5   | 92.6   | 7.0  | --   | --  | 109   | 17.0  |
| APR   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 12... | 1330 | 81213   | 22  | 1.7   | 4  | 3.4                                     | 8.6   | 88.8   | 7.2  | 7.6  | 123   | 120   | 23.0  |
| MAY   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 09... | 1035 | 81213   | 20  | --  | --   | --                                      | 8.2   | 92.6   | 7.4  | --   | --  | 116   | 27.2  |
| 17... | 1025 | 81213   | 19  | 1.0   | 3  | 1.9                                     | 8.6   | 94.8   | 7.8  | 7.4  | 108   | 106   | 22.5  |
| 22... | 0850 | 81213   | 58  | --  | --   | --                                      | 6.9   | 77.7   | 6.7  | --   | --  | 70  | 19.0  |
| JUN   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 01... | 1155 | 81213   | 19  | 1.5   | 5  | 2.2                                     | 8.8   | 103  | 6.8  | 7.5  | 104   | 108   | 28.2  |
| JUL   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 06... | 0925 | 81213   | 24  | --  | --   | --                                      | 6.9   | 84.9   | 6.7  | --   | --  | 122   | 29.1  |
| 18... | 1100 | 81213   | 13  | .5  | 2  | 1.0                                     | 8.5   | 102  | 7.8  | 7.4  | 85  | 88  | 28.2  |
| 25... | 0900 | 81213   | 117   | --  | --   | --                                      | 6.6   | 77.8   | 6.8  | --   | --  | 66  | 21.1  |
| AUG   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 01... | 1400 | 81213   | 126   | 3.6   | 95   | 47                                      | 7.0   | 85.4   | 7.1  | 7.0  | 65  | 60  | 26.1  |
| SEP   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 19... | 1015 | 81213   | 14  | 1.0   | 3  | 2.7                                     | 8.5   | 92.4   | 7.5  | 7.7  | 105   | 103   | 24.0  |
| 21... | 1015 | 81213   | 805   | --  | --   | --                                      | 7.7   | 88.7   | 7.5  | --   | --  | 70  | 21.1  |
| 26... | 1010 | 81213   | 43  | --  | --   | --                                      | 8.0   | 87.9   | 7.3  | --   | --  | 86  | 15.1  |
| OCT   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 16... | 1025 | 81213   | 16  | .6  | 3  | 1.7                                     | 9.2   | 88.7   | 7.4  | 7.5  | 118   | 119   | 20.1  |
| NOV   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 13... | 1110 | 81213   | 19  | .8  | 2  | 4.2                                     | 10.0  | 93.6   | 7.8  | 7.5  | 112   | 112   | 14.7  |
| DEC   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 11... | 1030 | 81213   | 17  | .4  | 2  | 2.6                                     | 10.8  | 91.7   | 7.0  | 7.7  | 118   | 120   | 7.6   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |   |  |   |
| 26... | 1.0   | 27   | .12   | .6  | <.020   | 2.2  | 130   |
| FEB   |   |  |   |   |   |  |   |
| 29... | 11.2  | 33   | .06   | .5  | .020  | 3.0  | --  |
| MAR   |   |  |   |   |   |  |   |
| 20... | 9.4   | 17   | .20   | .7  | .180  | 4.3  | 7900  |
| 22... | 12.8  | --   | --  | --  | --  | --   | 790   |
| 30... | 13.2  | --   | --  | --  | --  | --   | 790   |
| APR   |   |  |   |   |   |  |   |
| 12... | 16.0  | 36   | .11   | .5  | <.020   | 1.9  | 700   |
| MAY   |   |  |   |   |   |  |   |
| 09... | 20.2  | --   | --  | --  | --  | --   | 1300  |
| 17... | 19.2  | 32   | .07   | .6  | <.020   | 1.9  | 490   |
| 22... | 20.2  | --   | --  | --  | --  | --   | >24000  |
| JUN   |   |  |   |   |   |  |   |
| 01... | 22.3  | 30   | .10   | .5  | <.020   | 2.0  | 170   |
| JUL   |   |  |   |   |   |  |   |
| 06... | 24.6  | --   | --  | --  | --  | --   | 20  |
| 18... | 23.8  | 21   | .04   | .4  | <.020   | 1.5  | 90  |
| 25... | 23.0  | --   | --  | --  | --  | --   | >24000  |
| AUG   |   |  |   |   |   |  |   |
| 01... | 24.5  | 17   | .08   | .5  | .130  | 5.1  | 5400  |
| SEP   |   |  |   |   |   |  |   |
| 19... | 18.6  | 32   | .04   | .4  | <.020   | 2.1  | 230   |
| 21... | 21.5  | --   | --  | --  | --  | --   | <20   |
| 26... | 19.1  | --   | --  | --  | --  | --   | 700   |
| OCT   |   |  |   |   |   |  |   |
| 16... | 13.1  | 32   | .44   | .7  | .020  | 2.1  | 260   |
| NOV   |   |  |   |   |   |  |   |
| 13... | 11.5  | 35   | .06   | .4  | <.020   | 2.8  | --  |
| DEC   |   |  |   |   |   |  |   |
| 11... | 7.8   | 36   | .11   | .5  | <.020   | 1.9  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02336410 NANCY CREEK AT WEST WESLEY ROAD, AT ATLANTA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|---|--|
| APR<br>12... | 1330 | 81213   | 22  | 8.6   | 88.8  | 7.2  | 120  | 23.0  | 16.0  | 11   | 2.4  | <1.0  | <2.0   |
| AUG<br>01... | 1400 | 81213   | 126   | 7.0   | 85.4  | 7.1  | 60   | 26.1  | 24.5  | 6.4  | 1.4  | <1.0  | <4.0   |

| DATE         | CADMIUM,<br>WATER<br>UNFLTRD<br>TOTAL<br>ERABLE<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|---|--|--|--|--|---|---|--|
| APR<br>12... | <.5   | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 5.7  |
| AUG<br>01... | <.5   | 3.2   | 6.5  | 6.7  | <.1  | 1.7  | <4.0  | <2.0  | 30   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02336529 PROCTOR CREEK AT NORTHWEST DRIVE, AT ATLANTA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 33°47'57", long 84°29'13", Fulton County, Hydrologic Unit 03130002, at bridge on Northwest Drive, 1.0 mile upstream from confluence with the Chattahoochee River, and 0.2 mile upstream Interstate Highway 285, and at Atlanta.

**DRAINAGE AREA.--**15.5 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**June 1993; January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY ANA-LYZING SAMPLE NUMBER (00028) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (00310) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530) | TUR-BID-ITY (NTU) (00076) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400) | PH WATER WHOLE LAB (STAND-ARD UNITS) (00403) | SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095) | SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095) | TEMPER-ATURE AIR (DEG C) (00020) |
|-------|------|---|---|--|--|---------------------------|-----------------------------------|---|--|--|---|---|----------------------------------|
| JAN   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 26... | 0955 | 81213                                   | 5.8   | 1.8  | <1   | 5.9                       | 12.8                              | 91.6  | 7.2  | 7.7  | 298   | 296                                     | 0                                |
| FEB   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 29... | 1045 | 81213                                   | 11  | 1.9  | 3  | 4.2                       | 9.7                               | 87.4  | 7.3  | 7.6  | 329   | 328                                     | 16.9                             |
| MAR   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 20... | 1130 | 81213                                   | 44  | 2.5  | 45   | 65                        | 9.2                               | 89.0  | 7.2  | 7.2  | 184   | 168                                     | 19.5                             |
| 22... | 0835 | 81213                                   | 7.1   | --   | --   | --                        | 8.8                               | 83.7  | 7.1  | --   | --  | 280                                     | 14.9                             |
| 30... | 1115 | 81213                                   | 19  | --   | --   | --                        | 9.1                               | 89.2  | 7.1  | --   | --  | 250                                     | 17.5                             |
| APR   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 12... | 1240 | 81213                                   | 5.8   | 1.1  | 2  | 2.0                       | 8.7                               | 90.6  | 7.4  | 7.8  | 349   | 335                                     | 22.4                             |
| MAY   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 09... | 0950 | 81213                                   | 3.3   | --   | --   | --                        | 8.0                               | 91.6  | 7.4  | --   | --  | 312                                     | 31.6                             |
| 17... | 0935 | 81213                                   | 2.8   | 1.4  | 4  | 2.3                       | 8.6                               | 94.4  | 7.7  | 7.7  | 312   | 313                                     | 22.1                             |
| 22... | 0825 | 81213                                   | 7.8   | --   | --   | --                        | 6.2                               | 71.0  | 7.0  | --   | --  | 180                                     | 21.0                             |
| JUN   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 01... | 1000 | 81213                                   | .19   | 1.4  | 34   | 15                        | 7.5                               | 85.0  | 7.7  | 7.8  | 292   | 305                                     | 30.6                             |
| JUL   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 06... | 0845 | 81213                                   | 2.1   | --   | --   | --                        | 5.5                               | 67.9  | 7.5  | --   | --  | 295                                     | 29.6                             |
| 18... | 1000 | 81213                                   | 1.2   | 1.8  | 55   | 28                        | 6.8                               | 81.0  | 7.5  | 7.5  | 291   | 299                                     | 29.9                             |
| 25... | 0830 | 81213                                   | 12  | --   | --   | --                        | 6.1                               | 72.2  | 7.1  | --   | --  | 140                                     | 21.9                             |
| AUG   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 01... | 1240 | 81213                                   | 7.1   | 2.5  | 35   | 24                        | 6.3                               | 78.0  | 7.3  | 7.4  | 204   | 206                                     | 29.7                             |
| SEP   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 19... | 0925 | 81213                                   | 9.9   | 1.2  | 2  | 1.4                       | 7.9                               | 85.7  | 7.8  | 8.0  | 354   | 355                                     | 23.5                             |
| 21... | 0910 | 81213                                   | 321   | --   | --   | --                        | 7.6                               | 89.3  | 7.5  | --   | --  | 111                                     | 22.8                             |
| 26... | 0935 | 81213                                   | 11  | --   | --   | --                        | 7.3                               | 79.1  | 7.5  | --   | --  | 211                                     | 15.0                             |
| OCT   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 16... | 0940 | 81213                                   | 5.5   | .6   | 2  | 1.6                       | 9.8                               | 93.0  | 7.8  | 8.0  | 247   | 247                                     | 16.1                             |
| NOV   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 13... | 1025 | 81213                                   | 6.0   | .7   | 2  | 4.8                       | 9.5                               | 87.7  | 7.5  | 8.1  | 305   | 313                                     | 13.5                             |
| DEC   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 11... | 0950 | 81213                                   | 158   | .6   | 2  | 2.5                       | 10.5                              | 89.0  | 6.9  | 7.9  | 323   | 333                                     | 7.5                              |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02336529 PROCTOR CREEK AT NORTHWEST DRIVE, AT ATLANTA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC   | NITRO-  | NITRO-  | PHOS-                              | CARBON,                                       | COLI-  |
|-------|---|---|---|---|------------------------------------|---|--|
|       |   | UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | TOTAL<br>(MG/L<br>AS P)<br>(00665) | ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
| JAN   |   |   |   |   |                                    |   |  |
| 26... | 1.0   | 63  | .26   | 2.3   | .060                               | 4.8   | 110  |
| FEB   |   |   |   |   |                                    |   |  |
| 29... | 10.5  | 64  | .96   | 4.4   | .050                               | 3.7   | --   |
| MAR   |   |   |   |   |                                    |   |  |
| 20... | 12.8  | 40  | .16   | 1.4   | .200                               | 6.3   | 790  |
| 22... | 12.2  | --  | --  | --  | --                                 | --  | 1300   |
| 30... | 13.3  | --  | --  | --  | --                                 | --  | 490  |
| APR   |   |   |   |   |                                    |   |  |
| 12... | 16.3  | 79  | .09   | 2.9   | .020                               | 2.9   | 790  |
| MAY   |   |   |   |   |                                    |   |  |
| 09... | 21.0  | --  | --  | --  | --                                 | --  | 790  |
| 17... | 19.1  | 88  | .06   | .2  | .030                               | 2.6   | 1300   |
| 22... | 21.1  | --  | --  | --  | --                                 | --  | 700  |
| JUN   |   |   |   |   |                                    |   |  |
| 01... | 21.0  | 86  | .14   | .1  | .090                               | 3.1   | 9200   |
| JUL   |   |   |   |   |                                    |   |  |
| 06... | 24.7  | --  | --  | --  | --                                 | --  | 1100   |
| 18... | 23.6  | 77  | .16   | .1  | .220                               | 4.2   | 16000  |
| 25... | 22.6  | --  | --  | --  | --                                 | --  | >24000   |
| AUG   |   |   |   |   |                                    |   |  |
| 01... | 24.9  | 46  | .06   | 1.1   | .160                               | 7.2   | 3500   |
| SEP   |   |   |   |   |                                    |   |  |
| 19... | 18.3  | 95  | .04   | .1  | .030                               | 2.9   | 790  |
| 21... | 22.2  | --  | --  | --  | --                                 | --  | 160000   |
| 26... | 18.4  | --  | --  | --  | --                                 | --  | 9200   |
| OCT   |   |   |   |   |                                    |   |  |
| 16... | 12.4  | 65  | .15   | .3  | .030                               | 2.3   | 330  |
| NOV   |   |   |   |   |                                    |   |  |
| 13... | 11.0  | 79  | .04   | .9  | .050                               | 3.5   | --   |
| DEC   |   |   |   |   |                                    |   |  |
| 11... | 7.7   | 80  | .09   | 1.0   | <.020                              | 2.6   | --   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02336529 PROCTOR CREEK AT NORTHWEST DRIVE, AT ATLANTA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L)<br>(01002) |
|--------------|------|--|---|---|--|--|--|---|---|---|---|--|---------------------------------------|
| APR<br>12... | 1240 | 81213  | 5.8   | 8.7   | 90.6   | 7.4  | 335  | 22.4  | 16.3  | 35  | 5.7   | <1.0   | <2.0                                  |
| AUG<br>01... | 1240 | 81213  | 7.1   | 6.3   | 78.0   | 7.3  | 206  | 29.7  | 24.9  | 20  | 2.6   | 1.1  | <4.0                                  |

| DATE         | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|--|---|--|--|--|--|---|---|--|
| APR<br>12... | <.5  | <1.0  | 2.6  | 2.4  | <.1  | 2.0  | <2.0  | <2.0  | 15   |
| AUG<br>01... | <.5  | 1.9   | 9.5  | 12   | <.1  | 2.3  | <4.0  | <2.0  | 46   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02336635 NICKAJACK CREEK AT US HIGHWAYS 78 AND 278,  
NEAR MABLETON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 33°48'11", long 84°31'12", Cobb County, Hydrologic Unit 03130002, at bridge on US Highways 78 and 278, 1.3 miles upstream from confluence with the Chattahoochee River, and 1.6 miles east of Mableton.

**DRAINAGE AREA.--**31.5 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>TUR-<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>PH<br>SOLVED<br>CENT<br>(PER-<br>FIELD<br>STAND-<br>ARD<br>UNITS)<br>(00301) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) |
|-------|------|---|---|---|---|---|---|---|--|--|--|--|---|
| JAN   |      |   |   |   |   |   |   |   |  |  |  |  |   |
| 26... | 0915 | 81213   | 22  | .8  | 3   | 5.8                                     | 13.1  | 93.6  | 7.0  | 7.5  | 121  | 119  | -5.0  |
| FEB   |      |   |   |   |   |   |   |   |  |  |  |  |   |
| 29... | 0950 | 81213   | 11  | .8  | 3   | 5.2                                     | 10.3  | 91.8  | 7.0  | 7.5  | 133  | 133  | 16.0  |
| MAR   |      |   |   |   |   |   |   |   |  |  |  |  |   |
| 20... | 1000 | 81213   | 276   | 2.9   | 150   | 160                                     | 9.8   | 92.4  | 6.9  | 6.7  | 61   | 55   | 14.0  |
| 22... | 0755 | 81213   | 35  | --  | --  | --                                      | 9.2   | 85.6  | 6.8  | --   | --   | 110  | 11.5  |
| 30... | 1030 | 81213   | 28  | --  | --  | --                                      | 9.8   | 93.7  | 6.9  | --   | --   | 137  | 17.5  |
| APR   |      |   |   |   |   |   |   |   |  |  |  |  |   |
| 12... | 1100 | 81213   | 22  | 2.0   | 8   | 17                                      | 10.7  | 108   | 7.3  | 7.3  | 115  | 102  | 20.0  |
| MAY   |      |   |   |   |   |   |   |   |  |  |  |  |   |
| 09... | 0850 | 81213   | 4.7   | --  | --  | --                                      | 8.1   | 88.8  | 7.2  | --   | --   | 137  | 25.7  |
| 17... | 0750 | 81213   | 2.3   | 1.5   | 18  | 6.6                                     | 8.4   | 90.1  | 7.5  | 7.4  | 146  | 145  | 18.8  |
| 22... | 0740 | 81213   | 53  | --  | --  | --                                      | 7.0   | 79.5  | 6.8  | --   | --   | 86   | 19.2  |
| JUN   |      |   |   |   |   |   |   |   |  |  |  |  |   |
| 01... | 0810 | 81213   | 4.2   | .8  | 7   | 3.9                                     | 7.6   | 83.9  | 7.4  | 7.6  | 146  | 147  | 27.7  |
| JUL   |      |   |   |   |   |   |   |   |  |  |  |  |   |
| 06... | 0740 | 81213   | <2.0  | --  | --  | --                                      | 6.5   | 79.3  | 7.3  | --   | --   | 161  | 29.5  |
| 18... | 0700 | 81213   | <2.0  | .5  | 5   | 2.8                                     | 6.8   | 79.6  | 7.3  | 7.6  | 187  | 194  | 22.8  |
| 25... | 0730 | 81213   | 13  | --  | --  | --                                      | 6.3   | 74.7  | 6.8  | --   | --   | 100  | 21.2  |
| AUG   |      |   |   |   |   |   |   |   |  |  |  |  |   |
| 01... | 0900 | 81213   | <2.0  | 1.0   | 14  | 14                                      | 7.1   | 84.2  | 7.3  | 7.4  | 123  | 126  | 24.6  |
| SEP   |      |   |   |   |   |   |   |   |  |  |  |  |   |
| 19... | 0815 | 81213   | 4.7   | .6  | 4   | 3.5                                     | 7.8   | 83.9  | 7.4  | 7.6  | 160  | 159  | 21.0  |
| 21... | 0740 | 81213   | 2.7   | --  | --  | --                                      | 7.5   | 85.8  | 7.4  | --   | --   | 165  | 24.5  |
| 26... | 0835 | 81213   | 22  | --  | --  | --                                      | 7.3   | 80.3  | 7.1  | --   | --   | 106  | 15.2  |
| OCT   |      |   |   |   |   |   |   |   |  |  |  |  |   |
| 16... | 0815 | 81213   | 4.7   | .6  | 8   | 6.7                                     | 9.4   | 89.2  | 7.3  | 7.7  | 139  | 138  | 11.5  |
| NOV   |      |   |   |   |   |   |   |   |  |  |  |  |   |
| 13... | 0915 | 81213   | 23  | .7  | 5   | 6.4                                     | 9.4   | 87.9  | 7.1  | 7.6  | 118  | 121  | 11.9  |
| DEC   |      |   |   |   |   |   |   |   |  |  |  |  |   |
| 11... | 0840 | 81213   | 8.8   | 1.1   | 3   | 4.0                                     | 10.6  | 91.4  | 6.9  | 7.5  | 112  | 115  | 7.1   |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02336635 NICKAJACK CREEK AT US HIGHWAYS 78 AND 278,  
NEAR MABLETON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|--|---|---|---|--|---|
| JAN   |  |  |   |   |   |  |   |
| 26... | 1.0                                    | 28   | .12   | .9  | .030  | 1.9  | 170   |
| FEB   |  |  |   |   |   |  |   |
| 29... | 9.7                                    | 30   | .10   | .8  | <.020   | 1.7  | --  |
| MAR   |  |  |   |   |   |  |   |
| 20... | 11.8                                   | 15   | .10   | .6  | .180  | 4.1  | 4900  |
| 22... | 11.6                                   | --   | --  | --  | --  | --   | 1100  |
| 30... | 12.5                                   | --   | --  | --  | --  | --   | 130   |
| APR   |  |  |   |   |   |  |   |
| 12... | 14.8                                   | 26   | .16   | .7  | <.020   | 1.5  | 230   |
| MAY   |  |  |   |   |   |  |   |
| 09... | 18.9                                   | --   | --  | --  | --  | --   | 1100  |
| 17... | 17.8                                   | 33   | .08   | 1.3   | <.020   | 1.4  | 310   |
| 22... | 20.3                                   | --   | --  | --  | --  | --   | 9200  |
| JUN   |  |  |   |   |   |  |   |
| 01... | 19.5                                   | 35   | .13   | .9  | .020  | 1.8  | 130   |
| JUL   |  |  |   |   |   |  |   |
| 06... | 24.2                                   | --   | --  | --  | --  | --   | 310   |
| 18... | 22.1                                   | 32   | .08   | .8  | <.020   | 1.6  | 460   |
| 25... | 22.4                                   | --   | --  | --  | --  | --   | >24000  |
| AUG   |  |  |   |   |   |  |   |
| 01... | 23.2                                   | 28   | .07   | .6  | .030  | 3.0  | 330   |
| SEP   |  |  |   |   |   |  |   |
| 19... | 17.7                                   | 32   | .05   | 1.1   | <.020   | 2.1  | 490   |
| 21... | 21.2                                   | --   | --  | --  | --  | --   | 330   |
| 26... | 19.0                                   | --   | --  | --  | --  | --   | 940   |
| OCT   |  |  |   |   |   |  |   |
| 16... | 12.3                                   | 30   | .20   | .9  | <.020   | 1.4  | 130   |
| NOV   |  |  |   |   |   |  |   |
| 13... | 11.4                                   | 28   | .08   | .9  | .040  | 2.9  | --  |
| DEC   |  |  |   |   |   |  |   |
| 11... | 8.2                                    | 31   | .12   | .7  | <.020   | 1.3  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02336635 NICKAJACK CREEK AT US HIGHWAYS 78 AND 278,  
NEAR MABLETON, GA**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>NUMBER<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>CENT<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) |
|--------------|------|--|---|---|---|---|--|---|---|--|--|---|--|
| APR<br>12... | 1100 | 81213  | 22  | 10.7  | 108   | 7.3   | 102  | 20.0  | 14.8  | 9.6  | 2.0  | <1.0  | <2.0   |
| AUG<br>01... | 0900 | 81213  | <2.0  | 7.1   | 84.2  | 7.3   | 126  | 24.6  | 23.2  | 12   | 2.0  | <1.0  | <4.0   |

| DATE         | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|--|---|--|--|--|--|---|---|--|
| APR<br>12... | <.5  | <1.0  | <1.0   | <1.0   | <.1  | 1.0  | <2.0  | <2.0  | 7.3  |
| AUG<br>01... | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 13   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°46'46", long 84°29'58", Fulton County, Hydrologic Unit 03130002, at bridge on Bolton Road, 1.9 miles upstream from confluence with the Chattahoochee River, and 317 ft north of Atlanta.

**DRAINAGE AREA.**--5.15 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>(CODE<br>NUMBER) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |     |
|-------|------|---|---|---|---|---|--|--|--|-----|
| FEB   |      |   |   |   |   |   |  |  |  |     |
| 07... | 0900 | 81213   | .38   | 2.6   | 6   | 2.5                                     | 9.0  | 69   | 6.8  | 7.0 |
| 29... | 1025 | 81213   | .46   | 3.5   | 3   | 2.7                                     | 9.4  | 83   | 7.0  | 7.2 |
| MAR   |      |   |   |   |   |   |  |  |  |     |
| 20... | 1035 | 81213   | 10  | 1.4   | 22  | 33                                      | 9.0  | 86   | 6.9  | 7.2 |
| 22... | 0815 | 81213   | .71   | --  | --  | --                                      | 7.4  | 69   | 6.7  | --  |
| 30... | 1050 | 81213   | 20  | --  | --  | --                                      | 9.6  | 93   | 7.0  | --  |
| APR   |      |   |   |   |   |   |  |  |  |     |
| 12... | 1150 | 81213   | .38   | 1.0   | 1   | 1.2                                     | 9.0  | 91   | 7.2  | 7.7 |
| MAY   |      |   |   |   |   |   |  |  |  |     |
| 09... | 0920 | 81213   | .28   | --  | --  | --                                      | 6.9  | 75   | 7.1  | --  |
| 17... | 0840 | 81213   | .19   | 3.1   | 5   | 2.6                                     | 6.5  | 69   | 7.2  | 7.3 |
| 22... | 0800 | 81213   | .34   | --  | --  | --                                      | 5.5  | 62   | 6.7  | --  |
| JUN   |      |   |   |   |   |   |  |  |  |     |
| 01... | 0910 | 81213   | .00   | 1.8   | 5   | 2.7                                     | 6.0  | 70   | 7.1  | 7.4 |
| JUL   |      |   |   |   |   |   |  |  |  |     |
| 06... | 0815 | 81213   | .13   | --  | --  | --                                      | 5.1  | 62   | 6.9  | --  |
| 18... | 0930 | 81213   | .05   | 1.4   | 16  | 9.4                                     | --   | --   | 6.8  | 7.3 |
| 25... | 0800 | 81213   | .17   | --  | --  | --                                      | 5.2  | 61   | 6.8  | --  |
| AUG   |      |   |   |   |   |   |  |  |  |     |
| 01... | 1040 | 81213   | .46   | 1.7   | 16  | 21                                      | 5.7  | 68   | 7.1  | 7.2 |
| SEP   |      |   |   |   |   |   |  |  |  |     |
| 19... | 0850 | 81213   | 3.4   | .4  | 2   | 2.0                                     | 7.2  | 78   | 7.2  | 7.7 |
| 21... | 0850 | 81213   | 542   | --  | --  | --                                      | 8.1  | 95   | 7.5  | --  |
| 26... | 0910 | 81213   | 8.5   | --  | --  | --                                      | 7.1  | 76   | 7.0  | --  |
| OCT   |      |   |   |   |   |   |  |  |  |     |
| 16... | 0850 | 81213   | 4.3   | .4  | 2   | 2.2                                     | 7.4  | 71   | 7.2  | 7.8 |
| NOV   |      |   |   |   |   |   |  |  |  |     |
| 13... | 0950 | 81213   | 1.4   | .3  | 1   | 2.0                                     | 8.2  | 76   | 7.2  | 7.5 |
| DEC   |      |   |   |   |   |   |  |  |  |     |
| 11... | 0905 | 81213   | --  | .6  | 1   | 1.8                                     | 8.9  | 77   | 6.9  | 7.8 |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 07... | 213   | 218  | 5.0   | 3.5   | 52   | .61   | .6  | .070  | 2.6  | 290   |
| 29... | 184   | 179  | 16.0  | 9.6   | 53   | .55   | .2  | .060  | 3.8  | --  |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 20... | 144   | 131  | 16.0  | 12.2  | 27   | .11   | 1.7   | .070  | 6.8  | 1300  |
| 22... | --  | 196  | 13.0  | 11.3  | --   | --  | --  | --  | --   | >24000  |
| 30... | --  | 130  | 18.0  | 12.7  | --   | --  | --  | --  | --   | 1400  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 12... | 174   | 145  | 23.0  | 15.4  | 46   | .05   | .6  | <.020   | 1.9  | 170   |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 09... | --  | 237  | 26.2  | 18.6  | --   | --  | --  | --  | --   | 2800  |
| 17... | 162   | 161  | 21.7  | 18.0  | 53   | .08   | .3  | <.020   | 2.0  | 5400  |
| 22... | --  | 101  | 23.1  | 20.2  | --   | --  | --  | --  | --   | 5400  |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 01... | 157   | 159  | 27.9  | 22.2  | 55   | .15   | .2  | .040  | 2.5  | 790   |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 06... | --  | 137  | 30.1  | 23.7  | --   | --  | --  | --  | --   | 790   |
| 18... | 135   | 143  | 30.8  | 22.0  | 54   | .21   | .2  | .080  | 2.1  | 330   |
| 25... | --  | 98   | 20.8  | 22.2  | --   | --  | --  | --  | --   | 16000   |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 01... | 87  | 89   | 27.4  | 23.5  | 26   | .08   | .3  | .050  | 3.8  | 3500  |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 19... | 127   | 126  | 21.4  | 18.2  | 36   | .04   | .2  | .020  | 2.6  | 170   |
| 21... | --  | 82   | 23.9  | 22.5  | --   | --  | --  | --  | --   | 160000  |
| 26... | --  | 112  | 13.5  | 17.8  | --   | --  | --  | --  | --   | 3500  |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 16... | 146   | 146  | 15.6  | 12.9  | 48   | .19   | .1  | <.020   | 1.9  | 460   |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 13... | 156   | 159  | 12.5  | 11.0  | 47   | .05   | .2  | <.020   | 3.1  | --  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 11... | 156   | 159  | 7.5   | 8.3   | 47   | .02   | .4  | <.020   | 1.5  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02336644 SANDY CREEK AT BOLTON ROAD, NEAR ATLANTA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE | TIME  | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |     |
|------|-------|---|---|---|---|--|--|---|---|--|--|-----|
| APR  | 12... | 1150  | 81213   | .38   | 9.0   | 91   | 7.2  | 145   | 23.0  | 15.4   | 16   | 2.9 |
| AUG  | 01... | 1040  | 81213   | .46   | 5.7   | 68   | 7.1  | 89  | 27.4  | 23.5   | 8.3  | 1.5 |

| DATE | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |     |
|------|---|--|--|---|--|--|--|--|---|---|--|-----|
| APR  | 12...   | <1.0   | <2.0   | <.5   | <1.0   | <1.0   | <1.0   | <.1  | <1.0  | <2.0  | <2.0   | 8.2 |
| AUG  | 01...   | <1.0   | <4.0   | <.5   | <1.0   | 2.2  | 2.8  | <.1  | <1.0  | <4.0  | <2.0   | 17  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY,  
NEAR ATLANTA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°44'36", long 84°34'06", Fulton County, Hydrologic Unit 03130002, at bridge on Great Southwest Parkway, 0.3 mile upstream from the confluence with the Chattahoochee River, and 0.3 mile west of Atlanta.

**DRAINAGE AREA.**--33.9 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--June 1993; January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>UNITS<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>UNITS<br>(00403) |     |
|-------|------|---|---|---|---|---|---|--|--|-----|
| JAN   |      |   |   |   |   |   |   |  |  |     |
| 27... | 0735 | 81213   | 19  | 1.5   | 6   | 8.3                                     | 13.2  | 94   | 7.1  | 7.5 |
| FEB   |      |   |   |   |   |   |   |  |  |     |
| 02... | 1000 | 81213   | 18  | --  | --  | --                                      | 12.1  | 93   | 7.0  | --  |
| 15... | 0830 | 81213   | 27  | --  | --  | --                                      | 7.2   | 60   | 6.6  | --  |
| 24... | 0800 | 81213   | 18  | .4  | 12  | 8.6                                     | 12.0  | --   | --   | 7.4 |
| MAR   |      |   |   |   |   |   |   |  |  |     |
| 01... | 0850 | 81213   | 15  | .8  | 10  | 16                                      | 9.6   | 89   | 7.4  | 7.3 |
| APR   |      |   |   |   |   |   |   |  |  |     |
| 26... | 0630 | 81213   | 15  | 2.2   | 10  | 10                                      | 8.8   | 85   | 7.0  | 7.4 |
| MAY   |      |   |   |   |   |   |   |  |  |     |
| 04... | 0600 | 81213   | 51  | --  | --  | --                                      | 8.2   | 90   | 7.0  | --  |
| 10... | 0650 | 81213   | 9.6   | 1.1   | 6   | 4.9                                     | 8.4   | 94   | 7.1  | 7.4 |
| 15... | 0600 | 81213   | 8.1   | --  | --  | --                                      | 7.5   | 81   | 7.0  | --  |
| JUN   |      |   |   |   |   |   |   |  |  |     |
| 01... | 0620 | 81213   | 7.0   | .8  | 10  | 6.8                                     | 7.1   | 79   | 7.2  | 7.4 |
| JUL   |      |   |   |   |   |   |   |  |  |     |
| 12... | 0640 | 81213   | 8.4   | .9  | 88  | 41                                      | 6.0   | 74   | 7.2  | 7.5 |
| 19... | 0725 | 81213   | 2.4   | --  | --  | --                                      | 5.3   | 64   | 7.0  | --  |
| 26... | 0650 | 81213   | 6.7   | --  | --  | --                                      | 6.7   | 78   | 6.8  | --  |
| AUG   |      |   |   |   |   |   |   |  |  |     |
| 09... | 0640 | 81213   | 3.1   | .7  | 32  | 25                                      | 5.8   | 71   | 7.2  | 7.5 |
| SEP   |      |   |   |   |   |   |   |  |  |     |
| 27... | 0745 | 81213   | 10  | .9  | 9   | 17                                      | 8.2   | 85   | 7.2  | 7.4 |
| OCT   |      |   |   |   |   |   |   |  |  |     |
| 11... | 0615 | 81213   | 3.5   | --  | --  | --                                      | 9.5   | 85   | 6.8  | --  |
| 17... | 0700 | 81213   | 5.0   | --  | --  | --                                      | 8.8   | 86   | 7.1  | --  |
| 23... | 0730 | 81213   | 5.6   | 1.0   | 2   | 3.2                                     | 7.6   | 78   | 7.3  | 7.6 |
| NOV   |      |   |   |   |   |   |   |  |  |     |
| 14... | 0820 | 81213   | 8.8   | .6  | 21  | 26                                      | 9.0   | 84   | --   | 7.3 |
| DEC   |      |   |   |   |   |   |   |  |  |     |
| 11... | 0915 | 81213   | 8.8   | .6  | 3   | 4.6                                     | 10.4  | 89   | 7.2  | 7.4 |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY,  
NEAR ATLANTA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |  |   |   |   |  |   |
| 27... | 122   | 124  | -7.0  | 1.0   | 32   | .23   | .6  | <.020   | 2.3  | <20   |
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 02... | --  | 138  | 3.0   | 3.8   | --   | --  | --  | --  | --   | 20  |
| 15... | --  | 86   | 1.7   | 7.0   | --   | --  | --  | --  | --   | 9200  |
| 24... | 133   | --   | 10.0  | 8.1   | 37   | .19   | .4  | <.020   | 2.3  | 20  |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 01... | 132   | 133  | 10.5  | 10.7  | 39   | .23   | .4  | <.020   | 2.4  | --  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 26... | 120   | 121  | 5.6   | 12.8  | 36   | .14   | .4  | .030  | 3.0  | --  |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 04... | --  | 119  | 16.9  | 18.9  | --   | --  | --  | --  | --   | 2800  |
| 10... | 138   | 140  | 19.2  | 19.4  | 44   | .13   | .4  | .030  | 2.2  | 790   |
| 15... | --  | 144  | 10.9  | 18.2  | --   | --  | --  | --  | --   | 230   |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 01... | 145   | 147  | 15.0  | 19.7  | 45   | .11   | .5  | .030  | 2.5  | 310   |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 12... | 139   | 143  | 24.3  | 24.9  | 47   | .05   | .1  | .150  | 3.3  | 16000   |
| 19... | --  | 143  | 25.1  | 24.1  | --   | --  | --  | --  | --   | 330   |
| 26... | --  | 116  | 21.8  | 21.9  | --   | --  | --  | --  | --   | 1100  |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 09... | 131   | 138  | 25.7  | 24.9  | 45   | .15   | .2  | .060  | 2.3  | 790   |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 27... | 108   | 110  | 11.2  | 16.5  | 33   | .10   | .2  | .030  | 2.8  | <20   |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 11... | --  | 140  | 1.2   | 10.2  | --   | --  | --  | --  | --   | 700   |
| 17... | --  | 147  | 9.8   | 13.5  | --   | --  | --  | --  | --   | 50  |
| 23... | 142   | 143  | 16.7  | 16.2  | 44   | .04   | .1  | <.020   | 3.3  | 20  |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 14... | 134   | 138  | 6.2   | 11.3  | 42   | .18   | .2  | .040  | 2.9  | --  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 11... | 146   | 151  | 7.3   | 8.2   | 43   | .31   | .5  | <.020   | 1.5  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02336728 UTOY CREEK AT GREAT SOUTHWEST PARKWAY,  
NEAR ATLANTA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE | TIME  | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS MG)<br>(00927) |
|------|-------|---|---|---|---|--|--|---|---|---|---|
| MAR  | 01... | 81213   | 15  | 9.6   | 89  | 7.4  | 133  | 10.5  | 10.7  | 11  | 3.0   |
| AUG  | 09... | 81213   | 3.1   | 5.8   | 71  | 7.2  | 138  | 25.7  | 24.9  | 12  | 3.0   |

| DATE | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |     |
|------|---|--|--|---|--|--|--|--|---|---|--|-----|
| MAR  | 01...   | <1.0   | <2.0   | <.5   | <1.0   | 33   | 1.5  | <.1  | 1.5   | <2.0  | <2.0   | 310 |
| AUG  | 09...   | <1.0   | <4.0   | <.5   | 1.4  | 6.7  | 3.8  | <.1  | 1.5   | <4.0  | <2.0   | 140 |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02336930 SWEETWATER CREEK AT POWDER SPRINGS ROAD,  
NEAR AUSTELL, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°49'07", long 84°38'28", Cobb County, Hydrologic Unit 03130002, at bridge on Powder Springs Road, 1.0 mile upstream from Noses Creek, 2.3 miles downstream from Powder Springs Creek, and 0.7 mile southeast of Clarkdale near Austell.

**DRAINAGE AREA.**--164 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY ANA-LYZING SAMPLE NUMBER (000028) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (000061) | OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530) | TUR-BID-ITY (NTU) (00076) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | PH WATER WHOLE FIELD (STAND-ARD) UNITS) (00400) | PH WATER WHOLE LAB (STAND-ARD) UNITS) (00403) |
|-------|------|--|--|---|--|---------------------------|-----------------------------------|---|---|---|
| JAN   |      |  |  |   |  |                           |                                   |   |   |   |
| 26... | 0835 | 81213                                    | 214  | .6  | 6  | 14                        | 13.2                              | 95  | 6.9   | 7.1   |
| FEB   |      |  |  |   |  |                           |                                   |   |   |   |
| 29... | 0920 | 81213                                    | 124  | .8  | 13   | 16                        | 9.2                               | 86  | 7.1   | 7.4   |
| MAR   |      |  |  |   |  |                           |                                   |   |   |   |
| 20... | 0930 | 81213                                    | 1560   | 2.6   | 160  | 220                       | 9.0                               | 84  | 6.3   | 6.7   |
| 22... | 0730 | 81213                                    | 952  | --  | --   | --                        | 8.2                               | 80  | 6.7   | --  |
| 30... | 1000 | 81213                                    | 121  | --  | --   | --                        | 8.7                               | 85  | 6.8   | --  |
| APR   |      |  |  |   |  |                           |                                   |   |   |   |
| 12... | 1000 | 81213                                    | 156  | 1.5   | 13   | 13                        | 11.3                              | 115   | 7.0   | 7.3   |
| MAY   |      |  |  |   |  |                           |                                   |   |   |   |
| 09... | 0755 | 81213                                    | 57   | --  | --   | --                        | 6.9                               | 79  | 7.0   | --  |
| 17... | 0655 | 81213                                    | 35   | 3.1   | 11   | 12                        | 7.0                               | 79  | 7.2   | 7.2   |
| 22... | 0700 | 81213                                    | 54   | --  | --   | --                        | 6.2                               | 72  | 6.7   | --  |
| JUN   |      |  |  |   |  |                           |                                   |   |   |   |
| 01... | 0705 | 81213                                    | 32   | 1.2   | 19   | 17                        | 6.5                               | 76  | 7.3   | 7.4   |
| JUL   |      |  |  |   |  |                           |                                   |   |   |   |
| 06... | 0700 | 81213                                    | 8.4  | --  | --   | --                        | 5.3                               | 67  | 7.2   | --  |
| 18... | 0800 | 81213                                    | 2.0  | .9  | 10   | 8.6                       | 4.3                               | 52  | 7.2   | 7.4   |
| 25... | 0650 | 81213                                    | 8.0  | --  | --   | --                        | 4.8                               | 58  | 6.9   | --  |
| AUG   |      |  |  |   |  |                           |                                   |   |   |   |
| 01... | 0715 | 81213                                    | 77   | 1.9   | 76   | 100                       | 6.0                               | 72  | 7.0   | 7.2   |
| SEP   |      |  |  |   |  |                           |                                   |   |   |   |
| 19... | 0720 | 81213                                    | 13   | 1.1   | 24   | 27                        | 6.8                               | 76  | 7.3   | 7.3   |
| 21... | 0715 | 81213                                    | 10   | --  | --   | --                        | 6.2                               | 73  | 7.4   | --  |
| 26... | 0750 | 81213                                    | 111  | --  | --   | --                        | 6.5                               | 75  | 7.2   | --  |
| OCT   |      |  |  |   |  |                           |                                   |   |   |   |
| 16... | 0725 | 81213                                    | 18   | .7  | 12   | 16                        | 8.2                               | 80  | 7.3   | 7.6   |
| NOV   |      |  |  |   |  |                           |                                   |   |   |   |
| 13... | 0830 | 81213                                    | 165  | 1.2   | 14   | 22                        | 8.5                               | 80  | 6.8   | 6.9   |
| DEC   |      |  |  |   |  |                           |                                   |   |   |   |
| 11... | 0755 | 81213                                    | 84   | .5  | 5  | 9.4                       | 10.5                              | 90  | 7.1   | 7.4   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02336930 SWEETWATER CREEK AT POWDER SPRINGS ROAD,  
NEAR AUSTELL, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 26... | 64  | 63  | -5.0  | 1.0   | 16   | .11   | .3  | .020  | 4.9  | 40  |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 29... | 87  | 88  | 11.0  | 11.9  | 24   | .09   | .2  | <.020   | 2.3  | --  |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 20... | 51  | 46  | 10.5  | 11.0  | 14   | .14   | .2  | .150  | 5.4  | 3300  |
| 22... | --  | 49  | 8.1   | 13.6  | --   | --  | --  | --  | --   | 490   |
| 30... | --  | 76  | 13.9  | 13.1  | --   | --  | --  | --  | --   | 70  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 12... | 67  | 66  | 16.0  | 15.4  | 23   | .12   | .2  | <.020   | 2.5  | 80  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 09... | --  | 86  | 21.2  | 20.7  | --   | --  | --  | --  | --   | 1300  |
| 17... | 93  | 102   | 18.7  | 20.4  | 35   | .12   | .2  | <.020   | 2.9  | 170   |
| 22... | --  | 91  | 18.0  | 21.2  | --   | --  | --  | --  | --   | 330   |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 01... | 94  | 94  | 18.8  | 22.1  | 37   | .14   | .2  | .030  | 2.3  | 170   |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 06... | --  | 112   | 25.8  | 26.3  | --   | --  | --  | --  | --   | 70  |
| 18... | 154   | 162   | 24.2  | 24.0  | 56   | .21   | .1  | <.020   | 2.6  | 230   |
| 25... | --  | 112   | 20.8  | 23.8  | --   | --  | --  | --  | --   | 1100  |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 01... | 77  | 81  | 23.3  | 23.4  | 23   | .11   | .4  | .080  | 3.5  | 490   |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 19... | 113   | 114   | 15.3  | 19.4  | 39   | .12   | .2  | .030  | 2.5  | 130   |
| 21... | --  | 119   | 24.0  | 22.1  | --   | --  | --  | --  | --   | 80  |
| 26... | --  | 82  | 10.9  | 21.1  | --   | --  | --  | --  | --   | 790   |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 16... | 108   | 108   | 7.0   | 13.7  | 36   | .21   | .2  | <.020   | 2.5  | 50  |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 13... | 73  | 73  | 7.7   | 11.9  | 17   | .07   | .2  | .040  | 4.1  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 11... | 85  | 87  | 5.8   | 7.5   | 25   | .08   | .2  | <.020   | 2.1  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02336930 SWEETWATER CREEK AT POWDER SPRINGS ROAD,  
NEAR AUSTELL, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE | TIME  | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|------|-------|---|---|---|---|--|--|---|---|--|--|
| APR  | 12... | 81213   | 156   | 11.3  | 115   | 7.0  | 66   | 16.0  | 15.4  | 4.7  | 1.7  |
| AUG  | 01... | 81213   | 77  | 6.0   | 72  | 7.0  | 81   | 23.3  | 23.4  | 7.0  | 2.2  |

| DATE | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |     |
|------|---|--|--|---|--|--|--|--|---|---|--|-----|
| APR  | 12...   | <1.0   | <2.0   | <.5   | <1.0   | <1.0   | 2.6  | <.1  | <1.0  | <2.0  | <2.0   | 5.4 |
| AUG  | 01...   | <1.0   | <4.0   | <.5   | 1.6  | <2.0   | 3.3  | <.1  | <1.0  | <4.0  | <2.0   | 10  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337070 CHATTAHOOCHEE RIVER AT GEORGIA HIGHWAY 166,  
NEAR BEN HILL, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 33°41'34", long 84°37'50", Douglas-Fulton County line, Hydrologic Unit 03130002, at bridge on Georgia Highway 166, 2.6 miles upstream from Camp Creek, 2.6 miles downstream from Sweetwater Creek, 16.3 miles west of Atlanta, and 7.9 miles west of Ben Hill.

**DRAINAGE AREA.--**1980 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**April 1958; January 2000 to December 2000 (discontinued).

**REMARKS.--**The flow at this station is regulated by Lake Sidney Lanier (station 02334400). 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) |
|-------|------|--|---|---|--|---|--|---|--|--|---|---|---|
| JAN   |      |  |   |   |  |   |  |   |  |  |   |   |   |
| 27... | 0840 | 81213  | 1730  | 1.7   | 6  | 9.5                                     | 11.4   | 90.2  | 7.2  | 7.5  | 156   | 165   | -6.0  |
| FEB   |      |  |   |   |  |   |  |   |  |  |   |   |   |
| 02... | 1140 | 81213  | 1760  | --  | --   | --                                      | 10.6   | 94.5  | 7.2  | --   | --  | 175   | 4.0   |
| 15... | 0930 | 81213  | 5380  | --  | --   | --                                      | 10.6   | 96.5  | 6.9  | --   | --  | 84  | 4.4   |
| 24... | 0920 | 81213  | 1520  | 1.0   | 10   | 7.4                                     | 11.0   | --  | --   | 7.3  | 175   | --  | 11.0  |
| MAR   |      |  |   |   |  |   |  |   |  |  |   |   |   |
| 01... | 1010 | 81213  | 1520  | 1.4   | 9  | 7.3                                     | 8.3  | 87.7  | 7.6  | 7.4  | 175   | 180   | 16.5  |
| APR   |      |  |   |   |  |   |  |   |  |  |   |   |   |
| 26... | 0715 | 81213  | 1630  | 8.6   | 12   | 8.6                                     | 8.3  | 85.7  | 7.1  | 7.2  | 163   | 165   | 6.9   |
| MAY   |      |  |   |   |  |   |  |   |  |  |   |   |   |
| 04... | 0635 | 81213  | 2370  | --  | --   | --                                      | 6.9  | 79.5  | 7.0  | --   | --  | 173   | 17.5  |
| 10... | 0930 | 81213  | 1160  | 1.5   | 16   | 10                                      | 6.5  | 82.9  | 7.4  | 7.5  | 189   | 197   | 24.8  |
| 15... | 0630 | 81213  | 1130  | --  | --   | --                                      | 6.2  | 77.0  | 7.1  | --   | --  | 186   | 14.1  |
| JUN   |      |  |   |   |  |   |  |   |  |  |   |   |   |
| 01... | 0610 | 81213  | 1450  | 1.0   | 17   | 12                                      | 7.1  | 86.4  | 7.5  | 7.4  | 162   | 164   | 18.0  |
| JUL   |      |  |   |   |  |   |  |   |  |  |   |   |   |
| 12... | 0800 | 81213  | 2490  | .6  | 30   | 17                                      | 7.6  | 94.1  | 7.2  | 7.3  | 123   | 123   | 28.0  |
| 19... | 0800 | 81213  | 1860  | --  | --   | --                                      | 7.6  | 93.2  | 7.3  | --   | --  | 132   | 26.5  |
| 26... | 0740 | 81213  | 2630  | --  | --   | --                                      | 8.2  | 88.9  | 7.2  | --   | --  | 100   | 23.3  |
| AUG   |      |  |   |   |  |   |  |   |  |  |   |   |   |
| 09... | 0735 | 81213  | 1830  | 1.0   | 22   | 19                                      | 7.4  | 91.7  | 7.3  | 7.3  | 140   | 139   | 25.9  |
| SEP   |      |  |   |   |  |   |  |   |  |  |   |   |   |
| 27... | 0840 | 81213  | 1970  | 1.0   | 30   | 38                                      | 7.6  | 87.0  | 7.4  | 7.4  | 130   | 131   | 14.2  |
| OCT   |      |  |   |   |  |   |  |   |  |  |   |   |   |
| 11... | 0645 | 81213  | 1940  | --  | --   | --                                      | 8.8  | 93.5  | 7.1  | --   | --  | 186   | 1.0   |
| 17... | 0730 | 81213  | 1360  | --  | --   | --                                      | 8.1  | 92.1  | 7.4  | --   | --  | 179   | 11.0  |
| 23... | 0930 | 81213  | 1200  | .6  | 8  | 4.7                                     | 7.8  | 89.1  | 7.6  | 7.7  | 170   | 171   | 20.8  |
| NOV   |      |  |   |   |  |   |  |   |  |  |   |   |   |
| 14... | 0920 | 81213  | 1720  | .5  | 11   | 9.9                                     | 8.8  | 91.3  | --   | 7.5  | 155   | 158   | 8.6   |
| DEC   |      |  |   |   |  |   |  |   |  |  |   |   |   |
| 11... | 1030 | 81213  | 1480  | .8  | 7  | 4.6                                     | 9.8  | 92.7  | 7.5  | 7.4  | 170   | 174   | 8.1   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337070 CHATTAHOOCHEE RIVER AT GEORGIA HIGHWAY 166,  
NEAR BEN HILL, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|--|---|---|---|--|---|
| JAN   |  |  |   |   |   |  |   |
| 27... | 5.0                                    | 28   | .73   | 1.6   | .080  | 3.0  | 230   |
| FEB   |  |  |   |   |   |  |   |
| 02... | 9.7                                    | --   | --  | --  | --  | --   | 110   |
| 15... | 10.7                                   | --   | --  | --  | --  | --   | 16000   |
| 24... | 12.1                                   | 33   | .22   | 2.4   | .050  | 2.7  | 230   |
| MAR   |  |  |   |   |   |  |   |
| 01... | 16.7                                   | 33   | .24   | 2.4   | .050  | 3.0  | --  |
| APR   |  |  |   |   |   |  |   |
| 26... | 16.1                                   | 32   | .17   | 2.4   | .080  | 3.2  | --  |
| MAY   |  |  |   |   |   |  |   |
| 04... | 21.8                                   | --   | --  | --  | --  | --   | 5400  |
| 10... | 26.5                                   | 33   | .15   | 3.1   | .070  | 3.0  | 490   |
| 15... | 25.7                                   | --   | --  | --  | --  | --   | 50  |
| JUN   |  |  |   |   |   |  |   |
| 01... | 24.6                                   | 30   | .20   | 2.7   | .080  | 2.6  | 50  |
| JUL   |  |  |   |   |   |  |   |
| 12... | 25.3                                   | 24   | .12   | 1.8   | .110  | 2.5  | 490   |
| 19... | 24.5                                   | --   | --  | --  | --  | --   | 110   |
| 26... | 18.9                                   | --   | --  | --  | --  | --   | 3500  |
| AUG   |  |  |   |   |   |  |   |
| 09... | 25.2                                   | 26   | .16   | 2.1   | .100  | 2.1  | 9200  |
| SEP   |  |  |   |   |   |  |   |
| 27... | 21.4                                   | 25   | .11   | 2.1   | .130  | 2.9  | 20  |
| OCT   |  |  |   |   |   |  |   |
| 11... | 17.7                                   | --   | --  | --  | --  | --   | 1100  |
| 17... | 20.7                                   | --   | --  | --  | --  | --   | 80  |
| 23... | 21.9                                   | 32   | .05   | 3.0   | .120  | 2.8  | 490   |
| NOV   |  |  |   |   |   |  |   |
| 14... | 16.7                                   | 29   | .12   | 2.9   | .070  | 3.3  | --  |
| DEC   |  |  |   |   |   |  |   |
| 11... | 12.5                                   | 34   | .20   | 2.5   | .200  | 2.3  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337070 CHATTAHOOCHEE RIVER AT GEORGIA HIGHWAY 166,  
NEAR BEN HILL, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|---|--|
| MAR<br>01... | 1010 | 81213   | 1520  | 8.3   | 87.7  | 7.6  | 180  | 16.5  | 16.7  | 10   | 2.0  | <1.0  | <2.0   |
| AUG<br>09... | 0735 | 81213   | 1830  | 7.4   | 91.7  | 7.3  | 139  | 25.9  | 25.2  | 7.8  | 1.6  | <1.0  | <4.0   |

| DATE         | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|--|---|--|--|--|--|---|---|--|
| MAR<br>01... | <.5  | <1.0  | 4.8  | <1.0   | <.1  | 1.2  | <2.0  | <2.0  | 15   |
| AUG<br>09... | <.5  | 1.0   | 2.8  | 2.5  | <.1  | 1.4  | <4.0  | <2.0  | 11   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337125 CAMP CREEK AT COCHRAN ROAD, NEAR FAIRBURN, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 33°40'38", long 84°38'30", Fulton County, Hydrologic Unit 03130002, at bridge on Cochran Road, 0.9 mile upstream from confluence with the Chattahoochee River, and 16.0 miles northwest of Fairburn.

**DRAINAGE AREA.--**45.6 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|---|--|--|
| JAN   |      |   |   |   |   |   |   |   |  |  |
| 27... | 0935 | 81213   | 38  | 1.2   | 6   | 11                                      | 13.4  | 95  | 7.0  | 7.5  |
| FEB   |      |   |   |   |   |   |   |   |  |  |
| 02... | 1210 | 81213   | 29  | --  | --  | --                                      | 11.9  | 91  | 7.1  | --   |
| 15... | 1015 | 81213   | 56  | --  | --  | --                                      | 10.2  | 89  | 6.8  | --   |
| 24... | 1000 | 81213   | 29  | 1.4   | 7   | 5.8                                     | 10.3  | --  | --   | 7.3  |
| MAR   |      |   |   |   |   |   |   |   |  |  |
| 01... | 1100 | 81213   | 24  | 1.2   | 3   | 4.4                                     | 9.0   | 84  | 7.3  | 7.3  |
| APR   |      |   |   |   |   |   |   |   |  |  |
| 26... | 0750 | 81213   | 17  | 1.3   | 7   | 7.8                                     | 8.6   | 81  | 7.0  | 7.4  |
| MAY   |      |   |   |   |   |   |   |   |  |  |
| 04... | 0700 | 81213   | 17  | --  | --  | --                                      | 7.0   | 76  | 7.0  | --   |
| 10... | 1015 | 81213   | 10  | 1.3   | 4   | 4.2                                     | 7.7   | 86  | 7.3  | 7.6  |
| 15... | 0705 | 81213   | 8.1   | --  | --  | --                                      | 7.3   | 78  | 7.0  | --   |
| JUN   |      |   |   |   |   |   |   |   |  |  |
| 01... | 0805 | 81213   | 7.6   | .6  | 4   | 4.8                                     | 7.1   | 78  | 7.4  | 7.5  |
| JUL   |      |   |   |   |   |   |   |   |  |  |
| 12... | 0835 | 81213   | 14  | 3.2   | 81  | 69                                      | 5.5   | 68  | 6.9  | 6.8  |
| 19... | 0830 | 81213   | 2.2   | --  | --  | --                                      | 5.9   | 71  | 7.2  | --   |
| 26... | 0820 | 81213   | 9.1   | --  | --  | --                                      | 6.7   | 77  | 7.0  | --   |
| AUG   |      |   |   |   |   |   |   |   |  |  |
| 09... | 0830 | 81213   | 4.3   | .8  | 44  | 39                                      | 6.5   | 80  | 7.3  | 7.4  |
| SEP   |      |   |   |   |   |   |   |   |  |  |
| 27... | 0910 | 81213   | 10  | .5  | 5   | 9.1                                     | 8.2   | 84  | 7.5  | 7.4  |
| OCT   |      |   |   |   |   |   |   |   |  |  |
| 11... | 0710 | 81213   | 6.8   | --  | --  | --                                      | 9.9   | 86  | 7.1  | --   |
| 17... | 0800 | 81213   | 6.2   | --  | --  | --                                      | 9.1   | 87  | 7.3  | --   |
| 23... | 1010 | 81213   | 4.9   | .8  | 4   | 5.4                                     | 7.9   | 79  | 7.4  | 7.5  |
| NOV   |      |   |   |   |   |   |   |   |  |  |
| 14... | 1015 | 81213   | 12  | .4  | 5   | 5.9                                     | 9.1   | 84  | --   | 7.4  |
| DEC   |      |   |   |   |   |   |   |   |  |  |
| 11... | 1115 | 81213   | 13  | .5  | 3   | 3.9                                     | 10.7  | 91  | 7.5  | 7.3  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337125 CAMP CREEK AT COCHRAN ROAD, NEAR FAIRBURN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 27... | 85  | 84  | -4.5  | 1.0   | 25   | .18   | .4  | <.020   | 2.2  | 90  |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 02... | --  | 102   | 4.0   | 3.6   | --   | --  | --  | --  | --   | 170   |
| 15... | --  | 67  | 4.9   | 8.6   | --   | --  | --  | --  | --   | >24000  |
| 24... | 118   | --  | 12.0  | 9.5   | 39   | 1.00  | .3  | .030  | 2.6  | 90  |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 01... | 122   | 126   | 17.0  | 11.0  | 38   | .68   | .3  | .030  | 2.4  | --  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 26... | 101   | 103   | 7.2   | 12.1  | 35   | .14   | .4  | <.020   | 2.1  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 04... | --  | 99  | 16.0  | 18.8  | --   | --  | --  | --  | --   | 220   |
| 10... | 102   | 105   | 24.8  | 19.4  | 37   | .13   | .4  | .020  | 2.0  | 40  |
| 15... | --  | 106   | 10.5  | 18.0  | --   | --  | --  | --  | --   | 50  |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 01... | 107   | 108   | 16.9  | 19.3  | 40   | .12   | .3  | .020  | 2.3  | 50  |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 12... | 71  | 71  | 28.6  | 25.1  | 19   | .12   | .4  | .160  | 5.8  | 1800  |
| 19... | --  | 111   | 27.7  | 23.4  | --   | --  | --  | --  | --   | 50  |
| 26... | --  | 92  | 23.6  | 21.7  | --   | --  | --  | --  | --   | 790   |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 09... | 102   | 104   | 26.8  | 24.8  | 37   | .18   | .3  | .070  | 2.0  | 260   |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 27... | 86  | 87  | 14.6  | 15.8  | 31   | .11   | .2  | <.020   | 2.9  | 20  |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 11... | --  | 101   | -.5   | 9.0   | --   | --  | --  | --  | --   | 510   |
| 17... | --  | 103   | 10.0  | 12.5  | --   | --  | --  | --  | --   | 50  |
| 23... | 105   | 103   | 19.4  | 15.3  | 39   | <.01  | .03   | <.020   | 2.5  | 20  |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 14... | 95  | 98  | 8.0   | 11.2  | 35   | .12   | .1  | <.020   | 3.3  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 11... | 98  | 99  | 9.1   | 8.1   | 34   | .14   | .2  | <.020   | 1.6  | --  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337125 CAMP CREEK AT COCHRAN ROAD, NEAR FAIRBURN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|-------|------|---|---|---|---|--|--|---|---|--|--|
| MAR   |      |   |   |   |   |  |  |   |   |  |  |
| 01... | 1100 | 81213   | 24  | 9.0   | 84  | 7.3  | 126  | 17.0  | 11.0  | 8.5  | 2.4  |
| AUG   |      |   |   |   |   |  |  |   |   |  |  |
| 09... | 0830 | 81213   | 4.3   | 6.5   | 80  | 7.3  | 104  | 26.8  | 24.8  | 8.8  | 2.6  |

| DATE  | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|-------|---|--|--|---|--|--|--|--|---|---|--|
| MAR   |   |  |  |   |  |  |  |  |   |   |  |
| 01... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | 3.8   | <2.0  | 5.9  |
| AUG   |   |  |  |   |  |  |  |  |   |   |  |
| 09... | <1.0  | <4.0   | <.5  | 2.0   | 3.4  | 3.1  | <.1  | <1.0   | <4.0  | <2.0  | 9.6  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337165 DEEP CREEK AT COCHRAN ROAD, NEAR FAIRBURN, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°40'02", long 84°38'39", Fulton County, Hydrologic Unit 03130002, at bridge on Cochran Road, 0.7 mile upstream from the confluence with the Chattahoochee River, and 16.1 miles northwest of Fairburn.

**DRAINAGE AREA.**--29.6 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|---|---|--|--|
| JAN   |      |   |   |   |  |   |   |   |  |  |
| 27... | 1000 | 81213   | 20  | .8  | 6  | 11                                      | 13.7  | 97  | 7.0  | 7.6  |
| FEB   |      |   |   |   |  |   |   |   |  |  |
| 02... | 1240 | 81213   | 18  | --  | --   | --                                      | 11.6  | 92  | 7.0  | --   |
| 15... | 1100 | 81213   | 27  | --  | --   | --                                      | 9.8   | 85  | 6.9  | --   |
| 24... | 1055 | 81213   | 15  | .5  | 8  | 6.6                                     | 9.8   | --  | --   | 7.5  |
| MAR   |      |   |   |   |  |   |   |   |  |  |
| 01... | 1150 | 81213   | 15  | .7  | 6  | 6.6                                     | 9.8   | 92  | 7.3  | 7.4  |
| APR   |      |   |   |   |  |   |   |   |  |  |
| 26... | 0810 | 81213   | 15  | 1.1   | 6  | 6.8                                     | 9.7   | 90  | 7.1  | 7.5  |
| MAY   |      |   |   |   |  |   |   |   |  |  |
| 04... | 0725 | 81213   | 13  | --  | --   | --                                      | 8.2   | 87  | 7.1  | --   |
| 10... | 1055 | 81213   | 9.9   | 1.3   | 7  | 6.7                                     | 8.2   | 91  | 7.3  | 7.6  |
| 15... | 0720 | 81213   | 8.2   | --  | --   | --                                      | 8.5   | 87  | 7.1  | --   |
| JUN   |      |   |   |   |  |   |   |   |  |  |
| 01... | 0925 | 81213   | 6.7   | .5  | 5  | 6.4                                     | 8.3   | 89  | 7.4  | 7.5  |
| JUL   |      |   |   |   |  |   |   |   |  |  |
| 12... | 0920 | 81213   | 1.3   | .7  | 4  | 5.1                                     | 7.1   | 86  | 7.3  | 7.6  |
| 19... | 1015 | 81213   | .70   | --  | --   | --                                      | 7.6   | 91  | 7.4  | --   |
| 26... | 0915 | 81213   | 3.2   | --  | --   | --                                      | 7.4   | 84  | 7.2  | --   |
| AUG   |      |   |   |   |  |   |   |   |  |  |
| 09... | 0945 | 81213   | .92   | .3  | 1  | 5.7                                     | 7.3   | 88  | 7.5  | 7.6  |
| SEP   |      |   |   |   |  |   |   |   |  |  |
| 27... | 0940 | 81213   | 11  | .7  | 11   | 22                                      | 9.1   | 91  | 7.5  | 7.4  |
| OCT   |      |   |   |   |  |   |   |   |  |  |
| 11... | 0735 | 81213   | 9.2   | --  | --   | --                                      | 10.2  | 86  | 7.1  | --   |
| 17... | 0830 | 81213   | 13  | --  | --   | --                                      | 9.5   | 89  | 7.3  | --   |
| 23... | 1040 | 81213   | 15  | .9  | 3  | 4.3                                     | 8.1   | 83  | 7.4  | 7.7  |
| NOV   |      |   |   |   |  |   |   |   |  |  |
| 14... | 1050 | 81213   | 22  | .6  | 8  | 9.4                                     | 9.7   | 89  | --   | 7.6  |
| DEC   |      |   |   |   |  |   |   |   |  |  |
| 11... | 1205 | 81213   | 29  | .5  | 4  | 7.7                                     | 10.7  | 93  | 7.4  | 7.4  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337165 DEEP CREEK AT COCHRAN ROAD, NEAR FAIRBURN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 27... | 75  | 75  | -3.5  | 1.0   | 27   | .12   | .2  | <.020   | 1.6  | 70  |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 02... | --  | 80  | 5.0   | 5.2   | --   | --  | --  | --  | --   | <20   |
| 15... | --  | 58  | 6.2   | 8.3   | --   | --  | --  | --  | --   | 790   |
| 24... | 83  | --  | 14.0  | 9.1   | 32   | .09   | .1  | <.020   | 1.1  | 1300  |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 01... | 81  | 82  | 16.5  | 11.6  | 32   | .05   | .1  | .020  | 1.4  | --  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 26... | 82  | 82  | 7.5   | 11.3  | 33   | .06   | .1  | <.020   | 1.3  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 04... | --  | 83  | 16.5  | 17.5  | --   | --  | --  | --  | --   | 70  |
| 10... | 84  | 86  | 26.5  | 19.2  | 34   | .10   | .2  | .020  | 1.3  | 90  |
| 15... | --  | 86  | 10.5  | 15.6  | --   | --  | --  | --  | --   | 50  |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 01... | 88  | 89  | 19.7  | 18.0  | 36   | .09   | .2  | <.020   | 1.7  | 140   |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 12... | 90  | 91  | 27.7  | 23.7  | 38   | .08   | .1  | <.020   | 2.5  | 80  |
| 19... | --  | 89  | 30.9  | 23.2  | --   | --  | --  | --  | --   | 170   |
| 26... | --  | 82  | 23.0  | 21.2  | --   | --  | --  | --  | --   | 630   |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 09... | 90  | 90  | 29.2  | 23.9  | 38   | .10   | .1  | <.020   | 1.4  | 50  |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 27... | 81  | 82  | 14.8  | 14.9  | 32   | .08   | .1  | .030  | 2.6  | <20   |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 11... | --  | 92  | - .5  | 7.9   | --   | --  | --  | --  | --   | 790   |
| 17... | --  | 92  | 9.9   | 12.2  | --   | --  | --  | --  | --   | 130   |
| 23... | 94  | 92  | 21.0  | 15.8  | 40   | 1.50  | <.020   | <.020   | 2.7  | 50  |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 14... | 88  | 91  | 6.8   | 11.1  | 36   | .07   | .1  | <.020   | 2.5  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 11... | 88  | 90  | 11.4  | 8.9   | 34   | .13   | .1  | <.020   | 1.9  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337165 DEEP CREEK AT COCHRAN ROAD, NEAR FAIRBURN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN, DIS-SOLVED OXYGEN, (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301) | PH WATER WHOLE FIELD (STANDARD UNITS) (00400) | SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095) | TEMPER-ATURE AIR (DEG C) (00020) | TEMPER-ATURE WATER (DEG C) (00010) | CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916) | MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927) |
|-------|------|--|---|---|--|---|---|----------------------------------|------------------------------------|---|---|
| MAR   |      |  |   |   |  |   |   |                                  |                                    |   |   |
| 01... | 1150 | 81213                                  | 15  | 9.8                                       | 92   | 7.3   | 82                                      | 16.5                             | 11.6                               | 6.5   | 1.9   |
| AUG   |      |  |   |   |  |   |   |                                  |                                    |   |   |
| 09... | 0945 | 81213                                  | .92   | 7.3                                       | 88   | 7.5   | 90                                      | 29.2                             | 23.9                               | 7.9   | 2.0   |

| DATE  | ANTI-MONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | THAL-LIUM, TOTAL (UG/L AS TL) (01059) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) |
|-------|---------------------------------------|------------------------------------|--|--|---|---|---|---|---------------------------------------|---------------------------------------|---|
| MAR   |                                       |                                    |  |  |   |   |   |   |                                       |                                       |   |
| 01... | <1.0                                  | <2.0                               | <.5  | <1.0   | <1.0  | <1.0  | <.1   | <1.0  | <2.0                                  | <2.0                                  | 3.0   |
| AUG   |                                       |                                    |  |  |   |   |   |   |                                       |                                       |   |
| 09... | <1.0                                  | <4.0                               | <.5  | <1.0   | <2.0  | <2.0  | <.1   | <1.0  | <4.0                                  | <2.0                                  | 2.8   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337200 ANNEEWAKEE CREEK AT GEORGIA HIGHWAY 166,  
NEAR DOUGLASVILLE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°39'54", long 84°41'03", Douglas County, Hydrologic Unit 03130002, at bridge on State Highway 166, 0.9 mi upstream from the confluence with the Chattahoochee River, and 8.2 mi southeast of Douglasville.

**DRAINAGE AREA.**--29.3 mi<sup>2</sup>.

**PERIOD OF RECORD.**--July 1976; January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|---|---|--|--|
| JAN   |      |   |   |   |  |   |   |   |  |  |
| 27... | 1045 | 81213   | 30  | 1.3   | 4  | 5.8                                     | 12.4  | 89  | 7.2  | 7.4  |
| FEB   |      |   |   |   |  |   |   |   |  |  |
| 02... | 1310 | 81213   | 31  | --  | --   | --                                      | 11.8  | 93  | 7.2  | --   |
| 15... | 1200 | 81213   | 35  | --  | --   | --                                      | 9.6   | 84  | 7.0  | --   |
| 24... | 1150 | 81213   | 30  | 1.0   | 4  | 2.6                                     | 9.7   | --  | --   | 7.1  |
| MAR   |      |   |   |   |  |   |   |   |  |  |
| 01... | 1300 | 81213   | 24  | 1.1   | 4  | 3.6                                     | 9.1   | 86  | 7.4  | 7.2  |
| APR   |      |   |   |   |  |   |   |   |  |  |
| 26... | 0905 | 81213   | 23  | 1.0   | 6  | 4.1                                     | 9.4   | 91  | 7.0  | 7.2  |
| MAY   |      |   |   |   |  |   |   |   |  |  |
| 04... | 0800 | 81213   | 25  | --  | --   | --                                      | 8.4   | 92  | 7.2  | --   |
| 10... | 1145 | 81213   | 20  | 1.8   | 5  | 3.8                                     | 8.4   | 95  | 7.5  | 7.3  |
| 15... | 0805 | 81213   | 19  | --  | --   | --                                      | 8.1   | 87  | 7.2  | --   |
| JUN   |      |   |   |   |  |   |   |   |  |  |
| 01... | 1005 | 81213   | 21  | .6  | 5  | 4.9                                     | 7.9   | 89  | 7.4  | 7.4  |
| JUL   |      |   |   |   |  |   |   |   |  |  |
| 12... | 1000 | 81213   | 15  | .6  | 18   | 8.0                                     | 7.5   | 94  | 7.5  | 7.6  |
| 19... | 1045 | 81213   | 14  | --  | --   | --                                      | 7.8   | 95  | 7.5  | --   |
| 26... | 1000 | 81213   | 22  | --  | --   | --                                      | 7.7   | 89  | 7.3  | --   |
| AUG   |      |   |   |   |  |   |   |   |  |  |
| 09... | 1045 | 81213   | 17  | .7  | 13   | 11                                      | 7.2   | 87  | 7.6  | 7.6  |
| SEP   |      |   |   |   |  |   |   |   |  |  |
| 27... | 1045 | 81213   | 18  | .5  | 7  | 7.3                                     | 10.2  | 106   | 7.6  | 7.4  |
| OCT   |      |   |   |   |  |   |   |   |  |  |
| 11... | 0805 | 81213   | 19  | --  | --   | --                                      | 9.7   | 86  | 7.1  | --   |
| 17... | 0900 | 81213   | 20  | --  | --   | --                                      | 9.0   | 89  | 7.4  | --   |
| 23... | 1115 | 81213   | 23  | 1.1   | 34   | 19                                      | 8.9   | 93  | 7.5  | 7.3  |
| NOV   |      |   |   |   |  |   |   |   |  |  |
| 14... | 1130 | 81213   | 24  | .7  | 2  | 3.6                                     | 10.0  | 94  | --   | 7.1  |
| DEC   |      |   |   |   |  |   |   |   |  |  |
| 11... | 1310 | 81213   | 25  | .6  | <1   | 2.0                                     | 11.3  | 100   | 7.6  | 7.1  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337200 ANNEEWAKEE CREEK AT GEORGIA HIGHWAY 166,  
NEAR DOUGLASVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | SPE-<br>CIFIC<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|--------------|---|---|---|---|---|---|---|---|--|---|
| JAN<br>27... | 95  | 96  | -2.0  | 1.5   | 19  | .39   | 1.0   | <.020   | 2.2  | <20   |
| FEB<br>02... | --  | 127   | 4.8   | 5.0   | --  | --  | --  | --  | --   | <20   |
| 15...        | --  | 66  | 12.0  | 9.0   | --  | --  | --  | --  | --   | 490   |
| 24...        | 108   | --  | 15.0  | 9.2   | 21  | .54   | 1.1   | <.020   | 2.2  | <20   |
| MAR<br>01... | 107   | 107   | 20.5  | 12.1  | 21  | .26   | 1.0   | <.020   | 2.6  | --  |
| APR<br>26... | 97  | 97  | 12.0  | 13.1  | 17  | .20   | .8  | <.020   | 2.5  | --  |
| MAY<br>04... | --  | 109   | 18.0  | 19.0  | --  | --  | --  | --  | --   | 330   |
| 10...        | 108   | 108   | 28.0  | 20.4  | 22  | .08   | 1.3   | .030  | 2.5  | 80  |
| 15...        | --  | 115   | 14.2  | 18.3  | --  | --  | --  | --  | --   | 50  |
| JUN<br>01... | 110   | 110   | 27.4  | 20.2  | 23  | .05   | 1.1   | .040  | 1.9  | 50  |
| JUL<br>12... | 173   | 175   | 32.4  | 25.8  | 31  | .04   | .7  | .070  | 3.2  | 20  |
| 19...        | --  | 205   | 35.6  | 24.1  | --  | --  | --  | --  | --   | 20  |
| 26...        | --  | 90  | 26.0  | 22.2  | --  | --  | --  | --  | --   | 490   |
| AUG<br>09... | 166   | 166   | 33.6  | 23.5  | 28  | .04   | .6  | .060  | 2.8  | 170   |
| SEP<br>27... | 100   | 101   | 19.9  | 16.5  | 23  | .05   | .5  | .030  | 2.4  | <20   |
| OCT<br>11... | --  | 160   | 1.5   | 9.7   | --  | --  | --  | --  | --   | 270   |
| 17...        | --  | 165   | 13.7  | 13.8  | --  | --  | --  | --  | --   | 20  |
| 23...        | 163   | 162   | 24.8  | 17.0  | 26  | <.01  | 1.8   | .080  | 3.4  | 50  |
| NOV<br>14... | 111   | 115   | 13.8  | 12.1  | 22  | .31   | .5  | .020  | 3.0  | --  |
| DEC<br>11... | 122   | 125   | 11.2  | 9.1   | 19  | .29   | 1.6   | <.020   | 2.1  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337200 ANNEEWAKEE CREEK AT GEORGIA HIGHWAY 166,  
NEAR DOUGLASVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>(CODE<br>NUMBER) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|--|---|--|--|---|---|--|--|
| MAR<br>01... | 1300 | 81213   | 24  | 9.1  | 86  | 7.4  | 107  | 20.5  | 12.1  | 5.4  | 1.4  |
| AUG<br>09... | 1045 | 81213   | 17  | 7.2  | 87  | 7.6  | 166  | 33.6  | 23.5  | 6.8  | 1.5  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>01... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | 1.4  | <2.0  | <2.0  | 12   |
| AUG<br>09... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | 1.2  | <4.0  | <2.0  | 11   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337320 BEAR CREEK AT GEORGIA HIGHWAY 70, NEAR RICO, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°36'17", long 84°44'54", Fulton County, Hydrologic Unit 03130002, at bridge on Georgia Highway 70, 1.2 miles upstream from the confluence with the Chattahoochee River, and 2.0 miles northeast of Rico.

**DRAINAGE AREA.**--27.5 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--July 1976; January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |     |
|-------|------|--|---|---|---|---|---|---|--|-----|
| JAN   |      |  |   |   |   |   |   |   |  |     |
| 24... | 1040 | 81213  | 65  | 1.0   | 28  | 32                                      | 11.6  | 95  | 6.8  | 7.0 |
| FEB   |      |  |   |   |   |   |   |   |  |     |
| 28... | 0930 | 81213  | 14  | .7  | 6   | 7.4                                     | 10.9  | 99  | 7.2  | 7.1 |
| MAR   |      |  |   |   |   |   |   |   |  |     |
| 15... | 0715 | 81213  | 26  | --  | --  | --                                      | 10.0  | 89  | 6.9  | --  |
| 22... | 0900 | 81213  | 49  | .8  | 15  | 25                                      | 9.7   | 90  | 6.7  | 7.1 |
| 29... | 0700 | 81213  | 28  | --  | --  | --                                      | 8.5   | 81  | 6.8  | --  |
| APR   |      |  |   |   |   |   |   |   |  |     |
| 05... | 0805 | 81213  | 67  | 2.0   | 20  | 38                                      | 9.2   | 84  | 6.9  | 7.3 |
| MAY   |      |  |   |   |   |   |   |   |  |     |
| 25... | 0635 | 81213  | 23  | 1.4   | 15  | 12                                      | 7.2   | 81  | 6.8  | 7.2 |
| JUN   |      |  |   |   |   |   |   |   |  |     |
| 08... | 0700 | 81213  | 2.0   | --  | --  | --                                      | 8.3   | 85  | 7.2  | --  |
| 15... | 0645 | 81213  | 51  | --  | --  | --                                      | 7.5   | 86  | 7.1  | --  |
| 19... | 0755 | 81213  | 52  | .5  | 4   | 3.3                                     | 7.9   | 93  | 7.1  | 7.4 |
| JUL   |      |  |   |   |   |   |   |   |  |     |
| 10... | 0645 | 81213  | 56  | 1.3   | 3   | 2.2                                     | 5.2   | 62  | 6.7  | 7.6 |
| 17... | 0600 | 81213  | 39  | --  | --  | --                                      | 4.9   | 57  | 6.7  | --  |
| 24... | 0605 | 81213  | 58  | --  | --  | --                                      | 5.3   | 62  | 6.7  | --  |
| AUG   |      |  |   |   |   |   |   |   |  |     |
| 01... | 0710 | 81213  | 30  | 8.6   | 33  | 22                                      | 5.9   | 69  | 7.1  | 7.4 |
| SEP   |      |  |   |   |   |   |   |   |  |     |
| 28... | 0740 | 81213  | 50  | 1.6   | 1   | 4.3                                     | 8.2   | 82  | 7.2  | 7.7 |
| OCT   |      |  |   |   |   |   |   |   |  |     |
| 11... | 0825 | 81213  | 46  | --  | --  | --                                      | 9.6   | 82  | 7.1  | --  |
| 18... | 0625 | 81213  | 46  | --  | --  | --                                      | 6.7   | 66  | 6.9  | --  |
| 24... | 0635 | 81213  | 53  | 1.8   | 32  | 18                                      | 5.5   | 55  | 6.7  | 7.2 |
| NOV   |      |  |   |   |   |   |   |   |  |     |
| 15... | 0940 | 81213  | 55  | .5  | 26  | 16                                      | 10.4  | 87  | 7.0  | 7.1 |
| DEC   |      |  |   |   |   |   |   |   |  |     |
| 13... | 0930 | 81213  | 58  | .4  | 4   | 4.6                                     | 11.1  | 88  | 7.1  | 7.4 |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337320 BEAR CREEK AT GEORGIA HIGHWAY 70, NEAR RICO, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|---|---|---|---|--|---|
| JAN   |   |   |   |   |   |   |   |   |  |   |
| 24... | 48  | 50  | 4.5   | 5.7   | 13  | .16   | .3  | .070  | 5.4  | 490   |
| FEB   |   |   |   |   |   |   |   |   |  |   |
| 28... | 63  | 64  | 12.0  | 10.3  | 20  | .12   | .4  | .020  | 1.7  | --  |
| MAR   |   |   |   |   |   |   |   |   |  |   |
| 15... | --  | 64  | 6.0   | 9.5   | --  | --  | --  | --  | --   | 110   |
| 22... | 50  | 50  | 11.7  | 11.9  | 14  | .08   | .3  | .040  | 3.2  | 110   |
| 29... | --  | 57  | 6.5   | 12.2  | --  | --  | --  | --  | --   | 40  |
| APR   |   |   |   |   |   |   |   |   |  |   |
| 05... | 46  | 48  | 3.2   | 10.5  | 15  | .08   | .2  | .060  | 2.5  | 330   |
| MAY   |   |   |   |   |   |   |   |   |  |   |
| 25... | 65  | 64  | 20.6  | 20.2  | 21  | .05   | .4  | .030  | 2.7  | 110   |
| JUN   |   |   |   |   |   |   |   |   |  |   |
| 08... | --  | 78  | 16.1  | 16.3  | --  | --  | --  | --  | --   | 20  |
| 15... | --  | 77  | 26.7  | 21.1  | --  | --  | --  | --  | --   | 50  |
| 19... | 76  | 76  | 27.1  | 22.9  | 24  | .07   | .5  | .020  | 1.8  | 50  |
| JUL   |   |   |   |   |   |   |   |   |  |   |
| 10... | 76  | 77  | 20.5  | 23.2  | 26  | .08   | .1  | <.020   | 1.8  | 130   |
| 17... | --  | 78  | 14.7  | 21.7  | --  | --  | --  | --  | --   | 170   |
| 24... | --  | 75  | 20.4  | 22.3  | --  | --  | --  | --  | --   | 1300  |
| AUG   |   |   |   |   |   |   |   |   |  |   |
| 01... | 79  | 78  | 23.0  | 22.4  | 25  | .07   | .3  | .030  | 3.2  | 50  |
| SEP   |   |   |   |   |   |   |   |   |  |   |
| 28... | 99  | 102   | 8.6   | 14.4  | 25  | .04   | .9  | <.020   | 2.2  | 140   |
| OCT   |   |   |   |   |   |   |   |   |  |   |
| 11... | --  | 95  | 4.8   | 8.4   | --  | --  | --  | --  | --   | 70  |
| 18... | --  | 101   | 10.2  | 14.5  | --  | --  | --  | --  | --   | 110   |
| 24... | 103   | 106   | 10.2  | 16.1  | 27  | <.01  | .4  | <.020   | 3.3  | 70  |
| NOV   |   |   |   |   |   |   |   |   |  |   |
| 15... | 88  | 87  | 7.2   | 7.3   | 23  | .09   | .6  | .040  | 2.3  | --  |
| DEC   |   |   |   |   |   |   |   |   |  |   |
| 13... | 85  | 87  | 2.6   | 5.0   | 21  | .30   | .8  | <.020   | 2.3  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337320 BEAR CREEK AT GEORGIA HIGHWAY 70, NEAR RICO, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) | DIS-CHARGE, INST. CUBIC FEET PER SECOND | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN, (PER-CENT SATURATION) | PH WATER WHOLE FIELD (STANDARD UNITS) | SPE-CIFIC CON-DUCT-ANCE (US/CM) | TEMPER-ATURE AIR (DEG C) | TEMPER-ATURE WATER (DEG C) | CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) | MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) |
|-----------|------|--|---|---------------------------|-------------------------------|---------------------------------------|---------------------------------|--------------------------|----------------------------|---|---|
|           |      | (00028)                                | (00061)                                 | (00300)                   | (00301)                       | (00400)                               | (00095)                         | (00020)                  | (00010)                    | (00916)                                 | (00927)                                     |
| APR 05... | 0805 | 81213                                  | 67                                      | 9.2                       | 84                            | 6.9                                   | 48                              | 3.2                      | 10.5                       | 2.9                                     | 1.1   |
| SEP 28... | 0740 | 81213                                  | 50                                      | 8.2                       | 82                            | 7.2                                   | 102                             | 8.6                      | 14.4                       | 5.1                                     | 1.5   |

| DATE      | ANTI-MONY, TOTAL (UG/L AS SB) | ARSENIC TOTAL (UG/L AS AS) | CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) | SELE-NIUM, TOTAL (UG/L AS SE) | THAL-LIUM, TOTAL (UG/L AS TL) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) |
|-----------|-------------------------------|----------------------------|--|--|---|---------------------------------------|---|---|-------------------------------|-------------------------------|---------------------------------------|
|           | (01097)                       | (01002)                    | (01027)                                  | (01034)                                    | (01042)                                 | (01051)                               | (71900)                                 | (01067)                                 | (01147)                       | (01059)                       | (01092)                               |
| APR 05... | <1.0                          | <2.0                       | <.5                                      | <1.0                                       | 1.3                                     | 1.0                                   | <.1                                     | <1.0                                    | <2.0                          | <2.0                          | 4.8                                   |
| SEP 28... | <1.0                          | <4.0                       | <.5                                      | <1.0                                       | <2.0                                    | <2.0                                  | <.1                                     | <1.0                                    | <4.0                          | <2.0                          | <2.0                                  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337445 CHATTAHOOCHEE RIVER AT CAPPS FERRY BRIDGE NEAR RICO, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°34'40", long 84°48'31", Fulton-Douglas County line, Hydrologic Unit 03130002, at bridge on Capps Ferry Road, 0.4 mile upstream from Mill Branch, 2.3 miles west of Rico, and at mile 271.1.

**DRAINAGE AREA.**--2,270 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--Water years 1976-77; September 1988, July 1990 to December 1995, January 2000 to December 2000 (discontinued).

**REMARKS.**--The flow at this station is regulated by Lake Sidney Lanier (station 02334400). 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 Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>TUR-<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>PH<br>WATER<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) |
|-------|------|---|---|---|---|---|--|--|--|--|---|---|---|
| JAN   |      |   |   |   |   |   |  |  |  |  |   |   |   |
| 24... | 1130 | 81213   | E5220   | 3.0   | 68  | 53                                      | 11.6   | 95.5   | 7.1  | 7.2  | 89  | 90  | 4.5   |
| FEB   |      |   |   |   |   |   |  |  |  |  |   |   |   |
| 28... | 1100 | 81213   | E2160   | 1.6   | 23  | 17                                      | 8.0  | 73.2   | 7.3  | 7.4  | 158   | 161   | 15.0  |
| MAR   |      |   |   |   |   |   |  |  |  |  |   |   |   |
| 15... | 0750 | 81213   | E1800   | --  | --  | --                                      | 8.3  | 83.6   | 6.9  | --   | --  | 134   | 7.5   |
| 22... | 1005 | 81213   | E4970   | 2.3   | 120   | 160                                     | 8.6  | 84.1   | 7.0  | 7.0  | 87  | 85  | 13.5  |
| 29... | 0735 | 81213   | E1970   | --  | --  | --                                      | 6.9  | 72.9   | 6.9  | --   | --  | 138   | 6.9   |
| APR   |      |   |   |   |   |   |  |  |  |  |   |   |   |
| 05... | 0940 | 81213   | E6960   | 3.4   | 59  | 83                                      | 7.6  | 77.8   | 7.0  | 7.4  | 81  | 79  | 3.3   |
| MAY   |      |   |   |   |   |   |  |  |  |  |   |   |   |
| 25... | 0725 | 81213   | E1650   | 1.7   | 38  | 23                                      | 5.4  | 67.5   | 7.0  | 7.2  | 158   | 158   | 20.2  |
| JUN   |      |   |   |   |   |   |  |  |  |  |   |   |   |
| 08... | 0735 | 81213   | E1790   | --  | --  | --                                      | 7.2  | 82.4   | 7.2  | --   | --  | 160   | 16.4  |
| 15... | 0710 | 81213   | E2510   | --  | --  | --                                      | 7.3  | 86.8   | 7.1  | --   | --  | 121   | 21.8  |
| 19... | 0910 | 81213   | E1300   | 1.9   | 2   | 1.2                                     | 7.2  | 87.0   | 7.2  | 6.8  | 77  | 77  | 28.4  |
| JUL   |      |   |   |   |   |   |  |  |  |  |   |   |   |
| 10... | 0720 | 81213   | E1060   | 1.6   | 13  | 8.2                                     | 5.8  | 74.9   | 7.0  | 7.7  | 176   | 177   | 21.4  |
| 17... | 0625 | 81213   | E1070   | --  | --  | --                                      | 5.7  | 72.2   | 6.9  | --   | --  | 167   | 16.5  |
| 24... | 0630 | 81213   | E2620   | --  | --  | --                                      | 6.0  | 73.1   | 6.9  | --   | --  | 129   | 20.8  |
| AUG   |      |   |   |   |   |   |  |  |  |  |   |   |   |
| 01... | 0810 | 81213   | E4810   | 2.5   | 150   | 76                                      | 7.5  | 90.4   | 7.2  | 7.4  | 116   | 115   | 24.6  |
| SEP   |      |   |   |   |   |   |  |  |  |  |   |   |   |
| 28... | 0840 | 81213   | E1740   | 3.8   | 25  | 29                                      | 7.1  | 80.9   | 7.4  | 7.3  | 145   | 148   | 13.5  |
| OCT   |      |   |   |   |   |   |  |  |  |  |   |   |   |
| 11... | 0755 | 81213   | E1540   | --  | --  | --                                      | 8.5  | 86.8   | 7.2  | --   | --  | 181   | 1.2   |
| 18... | 0655 | 81213   | E1590   | --  | --  | --                                      | 7.9  | 87.7   | 7.1  | --   | --  | 177   | 11.4  |
| 24... | 0720 | 81213   | E1330   | 3.0   | 10  | 7.3                                     | 7.3  | 82.9   | 7.0  | 7.4  | 168   | 173   | 11.0  |
| NOV   |      |   |   |   |   |   |  |  |  |  |   |   |   |
| 15... | 1150 | 81213   | E1560   | .8  | 6   | 5.6                                     | 8.7  | 86.4   | 7.3  | 7.2  | 148   | 150   | 11.6  |
| DEC   |      |   |   |   |   |   |  |  |  |  |   |   |   |
| 13... | 1040 | 81213   | E1560   | .9  | 6   | 4.1                                     | 9.4  | 86.5   | 7.4  | 7.5  | 167   | 172   | 5.8   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337445 CHATTAHOOCHEE RIVER AT CAPPS FERRY BRIDGE NEAR RICO, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|--|---|---|---|--|---|
| JAN   |  |  |   |   |   |  |   |
| 24... | 6.0                                    | 18   | .35   | .9  | .150  | 3.4  | 1300  |
| FEB   |  |  |   |   |   |  |   |
| 28... | 10.6                                   | 31   | .20   | 2.2   | .060  | 2.7  | --  |
| MAR   |  |  |   |   |   |  |   |
| 15... | 15.1                                   | --   | --  | --  | --  | --   | 50  |
| 22... | 14.2                                   | 18   | .21   | .9  | .140  | 4.3  | 7000  |
| 29... | 17.1                                   | --   | --  | --  | --  | --   | 170   |
| APR   |  |  |   |   |   |  |   |
| 05... | 15.6                                   | 19   | .11   | .8  | .100  | 4.0  | 3500  |
| MAY   |  |  |   |   |   |  |   |
| 25... | 25.8                                   | 29   | .42   | 2.3   | .090  | 2.9  | 80  |
| JUN   |  |  |   |   |   |  |   |
| 08... | 21.7                                   | --   | --  | --  | --  | --   | 80  |
| 15... | 23.3                                   | --   | --  | --  | --  | --   | 130   |
| 19... | 24.2                                   | 17   | .08   | <.02  | .480  | 1.3  | 490   |
| JUL   |  |  |   |   |   |  |   |
| 10... | 27.7                                   | 31   | .13   | 2.9   | .090  | 2.2  | 1300  |
| 17... | 26.4                                   | --   | --  | --  | --  | --   | 110   |
| 24... | 24.5                                   | --   | --  | --  | --  | --   | 2200  |
| AUG   |  |  |   |   |   |  |   |
| 01... | 23.9                                   | 24   | .19   | 1.7   | .250  | 2.9  | 9200  |
| SEP   |  |  |   |   |   |  |   |
| 28... | 20.7                                   | 28   | .18   | 2.0   | .100  | 3.2  | 1300  |
| OCT   |  |  |   |   |   |  |   |
| 11... | 15.9                                   | --   | --  | --  | --  | --   | 230   |
| 18... | 20.1                                   | --   | --  | --  | --  | --   | 790   |
| 24... | 21.3                                   | 32   | .08   | 2.8   | .110  | 2.8  | 230   |
| NOV   |  |  |   |   |   |  |   |
| 15... | 14.5                                   | 28   | .24   | 2.3   | .060  | 2.8  | --  |
| DEC   |  |  |   |   |   |  |   |
| 13... | 11.2                                   | 32   | .42   | 2.4   | .060  | 2.1  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337445 CHATTAHOOCHEE RIVER AT CAPPS FERRY BRIDGE NEAR RICO, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301) | PH WATER WHOLE FIELD (STANDARD UNITS) (00400) | SPECIFIC CONDUCTANCE (US/CM) (00095) | TEMPERATURE AIR (DEG C) (00020) | TEMPERATURE WATER (DEG C) (00010) | CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916) | MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927) | ANTIMONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) |
|-----------|------|--|---|-----------------------------------|--|---|--------------------------------------|---------------------------------|-----------------------------------|--|---|--------------------------------------|------------------------------------|
| APR 05... | 0940 | 81213                                  | E6960   | 7.6                               | 77.8   | 7.0   | 79                                   | 3.3                             | 15.6                              | 5.9  | 1.5   | <1.0                                 | <2.0                               |
| SEP 28... | 0840 | 81213                                  | E1740   | 7.1                               | 80.9   | 7.4   | 148                                  | 13.5                            | 20.7                              | 9.3  | 1.9   | <1.0                                 | <4.0                               |

| DATE      | CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | SELENIUM, TOTAL RECOVERABLE (UG/L AS SE) (01147) | THALIUM, TOTAL RECOVERABLE (UG/L AS TL) (01059) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|-----------|--|--|--|--|--|--|--|---|--|
| APR 05... | <.5  | 3.0  | 6.4  | 4.9  | <.1  | 1.9  | <2.0   | <2.0  | 20   |
| SEP 28... | <.5  | 1.2  | 4.2  | 2.3  | <.1  | 1.0  | <4.0   | <2.0  | 14   |

**APALACHICOLA RIVER BASIN**  
**2000 Calendar Year**

**02337500 SNAKE CREEK NEAR WHITESBURG, GA.**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°31'46", long 84°55'42", Carroll County, Hydrologic Unit 03130002, 50 feet upstream from bridge on Banning Road, at Banning Mills, 1.6 miles north of US Highway 27 (Alt), 4.0 miles downstream from Little Snake Creek, 7.0 miles upstream from mouth, and 3.0 miles northwest of Whitesburg.

**DRAINAGE AREA.**--35.5 mi<sup>2</sup>.

**PERIOD OF RECORD.**--March 1968 to June 1979, February 1990 to August 1990, April 1992, March 1993 to current year (USGS, National Water-Quality Assessment); January 2000 to December 2000 (USGS-Georgia DNR-EPD Cooperative Sampling Program, discontinued).

**PERIOD OF DAILY RECORD.**--

SPECIFIC CONDUCTANCE: October 1961 to September 1962.

WATER TEMPERATURE: June 1960 to September 1964.

**EXTREMES FOR PERIOD OF DAILY RECORD.**--

SPECIFIC CONDUCTANCE: Maximum daily, 138  $\mu$ S, Aug. 14, 1962; minimum daily, 25 $\mu$ S Feb. 22, 1962.

WATER TEMPERATURE: Maximum, 34.0°C May 18, 19, 23, 1962; minimum 0.0°C Jan. 20, 1962.

**REMARKS.**--The streamflow gaging station at this site is located on the left bank on the downstream side of a pier of the former Banning Road bridge. Data for this station which were collected as part of the U.S. Geological Survey, National Water-Quality Assessment are presented in a separate theme of this report. 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.

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337500 SNAKE CREEK NEAR WHITESBURG, GA.--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|---|---|--|--|
| FEB   |      |   |   |   |  |   |   |   |  |  |
| 09... | 1400 | 81213   | 20  | 1.6   | 1  | --                                      | 12.0  | 103   | 7.2  | 7.2  |
| MAR   |      |   |   |   |  |   |   |   |  |  |
| 15... | 0950 | 81213   | 17  | --  | --   | --                                      | 10.7  | 98  | 6.9  | --   |
| 21... | 1500 | 81213   | 67  | 1.4   | 28   | --                                      | 10.0  | 98  | 6.6  | 7.0  |
| 29... | 0855 | 81213   | 29  | --  | --   | --                                      | 9.9   | 96  | 6.9  | --   |
| APR   |      |   |   |   |  |   |   |   |  |  |
| 05... | 1400 | 81213   | E94   | 4.2   | 26   | 34                                      | 7.7   | 71  | 7.0  | 7.0  |
| MAY   |      |   |   |   |  |   |   |   |  |  |
| 25... | 1000 | 81213   | 16  | 1.4   | 16   | 23                                      | 7.8   | 93  | 6.9  | 7.0  |
| JUN   |      |   |   |   |  |   |   |   |  |  |
| 08... | 1015 | 81213   | 10  | --  | --   | --                                      | 9.2   | 102   | 7.0  | --   |
| 15... | 0910 | 81213   | 6.7   | --  | --   | --                                      | 7.8   | 94  | 6.9  | --   |
| 20... | 1300 | 81213   | 7.5   | .6  | 7  | --                                      | 7.8   | 99  | 7.2  | 7.1  |
| JUL   |      |   |   |   |  |   |   |   |  |  |
| 13... | 1315 | 81213   | 3.2   | 1.0   | 4  | --                                      | 7.7   | 106   | 6.8  | 7.4  |
| 17... | 0805 | 81213   | 1.8   | --  | --   | --                                      | 7.2   | 86  | 6.8  | --   |
| 24... | 0800 | 81213   | 2.0   | --  | --   | --                                      | 7.2   | 87  | 6.9  | --   |
| AUG   |      |   |   |   |  |   |   |   |  |  |
| 01... | 1155 | 81213   | 3.8   | 1.3   | 6  | 21                                      | 8.0   | 98  | 7.3  | 7.3  |
| SEP   |      |   |   |   |  |   |   |   |  |  |
| 28... | 1210 | 81213   | 4.8   | 1.6   | 3  | 18                                      | 9.3   | 99  | 7.4  | 7.2  |
| OCT   |      |   |   |   |  |   |   |   |  |  |
| 05... | 1230 | 81213   | 3.4   | .2  | 5  | 12                                      | 8.8   | 96  | 7.3  | 7.2  |
| 11... | 1030 | 81213   | 4.3   | --  | --   | --                                      | 10.9  | 97  | 7.3  | --   |
| 18... | 0835 | 81213   | 3.8   | --  | --   | --                                      | 9.4   | 94  | 7.0  | --   |
| NOV   |      |   |   |   |  |   |   |   |  |  |
| 30... | 1520 | 81213   | 18  | .7  | 3  | 6.4                                     | 11.4  | 100   | 7.0  | 7.3  |
| DEC   |      |   |   |   |  |   |   |   |  |  |
| 13... | 1245 | 81213   | 13  | 1.2   | 7  | 4.2                                     | --  | --  | 7.1  | 7.3  |

**APALACHICOLA RIVER BASIN  
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**02337500 SNAKE CREEK NEAR WHITESBURG, GA.--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC   | NITRO-  | NITRO-  | PHOS-  | CARBON,  | COLI-  |
|-------|---|---|---|---|---|---|---|--|--|--|
|       |   |   |   |   | UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
| FEB   |   |   |   |   |   |   |   |  |  |  |
| 09... | 37  | 31  | 17.0  | 7.9   | 14  | .05   | .1  | <.020  | 1.2  | --   |
| MAR   |   |   |   |   |   |   |   |  |  |  |
| 15... | --  | 35  | 11.0  | 10.7  | --  | --  | --  | --   | --   | 80   |
| 21... | 34  | 30  | 21.5  | 13.9  | 9   | .12   | .2  | .040   | 2.9  | 130  |
| 29... | --  | 35  | 9.4   | 12.9  | --  | --  | --  | --   | --   | 20   |
| APR   |   |   |   |   |   |   |   |  |  |  |
| 05... | 37  | 37  | 17.0  | 11.2  | 11  | .10   | .2  | .040   | 3.1  | 490  |
| MAY   |   |   |   |   |   |   |   |  |  |  |
| 25... | 36  | 34  | 29.0  | 22.4  | 12  | .07   | .2  | .030   | 2.6  | 50   |
| JUN   |   |   |   |   |   |   |   |  |  |  |
| 08... | --  | 35  | 28.5  | 19.4  | --  | --  | --  | --   | --   | 20   |
| 15... | --  | 35  | 35.3  | 24.0  | --  | --  | --  | --   | --   | <20  |
| 20... | 34  | 32  | 31.5  | 26.7  | 13  | .07   | .1  | .020   | 1.6  | 20   |
| JUL   |   |   |   |   |   |   |   |  |  |  |
| 13... | 35  | 31  | 27.8  | 31.0  | 14  | .14   | .1  | .020   | 2.3  | 330  |
| 17... | --  | 35  | 19.5  | 23.1  | --  | --  | --  | --   | --   | 20   |
| 24... | --  | 35  | 21.3  | 23.8  | --  | --  | --  | --   | --   | 20   |
| AUG   |   |   |   |   |   |   |   |  |  |  |
| 01... | 32  | 31  | 28.3  | 24.6  | 13  | .07   | .1  | .030   | 2.0  | 20   |
| SEP   |   |   |   |   |   |   |   |  |  |  |
| 28... | 35  | 31  | 22.0  | 18.0  | 13  | .05   | .1  | <.020  | 1.8  | 140  |
| OCT   |   |   |   |   |   |   |   |  |  |  |
| 05... | 36  | 30  | 26.5  | 18.7  | 14  | .07   | .04   | <.020  | 1.3  | 20   |
| 11... | --  | 32  | 17.0  | 10.0  | --  | --  | --  | --   | --   | 50   |
| 18... | --  | 36  | 13.1  | 14.3  | --  | --  | --  | --   | --   | 220  |
| NOV   |   |   |   |   |   |   |   |  |  |  |
| 30... | 42  | 35  | 9.5   | 8.5   | 14  | .05   | .1  | <.020  | 1.8  | --   |
| DEC   |   |   |   |   |   |   |   |  |  |  |
| 13... | 39  | 37  | 1.0   | 5.5   | 14  | .05   | .1  | <.020  | 1.9  | --   |

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L<br>AS CR)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|-------|------|---|---|--|---|--|--|---|---|--|--|
|       |      |   | APR   |  |   |  |  |   |   |  |  |
| 05... | 1400 | 81213   | E94   | 7.7  | 71  | 7.0  | 37   | 17.0  | 11.2  | 2.0  | .9   |
| SEP   |      |   |   |  |   |  |  |   |   |  |  |
| 28... | 1210 | 81213   | 4.8   | 9.3  | 99  | 7.4  | 31   | 22.0  | 18.0  | 2.0  | 1  |

| DATE  | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|-------|---|--|--|---|--|--|--|--|---|---|--|
|       |   |  |  | APR   |  |  |  |  |   |   |  |
| 05... | <1.0  | <2.0   | <.5  | <1.0  | 1.5  | 3.7  | <.1  | <1.0   | <2.0  | <2.0  | 8.0  |
| SEP   |   |  |  |   |  |  |  |  |   |   |  |
| 28... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337985 CEDAR CREEK AT SEWELL MILL ROAD, NEAR ROSCOE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°28'49", long 84°50'16", Coweta County, Hydrologic Unit 03130002, at bridge on Sewell Mill Road, at Sewell Millpond, 1.4 miles downstream from Hood Branch, and 1.4 miles southwest of Roscoe.

**DRAINAGE AREA.**--43.2 mi<sup>2</sup>.

**PERIOD OF RECORD.**--January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) |      |
|-------|------|---|---|---|--|---|---|--|--|---|---|---|------|
| JAN   |      |   |   |   |  |   |   |  |  |   |   |   |      |
| 24... | 1245 | 81213   | --  | 1.1   | 9  | 13                                      | 11.1  | 89.8   | 6.8  | 7.0   | 49  | 50  | 5.5  |
| FEB   |      |   |   |   |  |   |   |  |  |   |   |   |      |
| 28... | 1230 | 81213   | --  | .5  | 6  | 5.5                                     | 8.2   | 77.3   | 7.2  | 7.3   | 58  | 59  | 17.0 |
| MAR   |      |   |   |   |  |   |   |  |  |   |   |   |      |
| 15... | 0835 | 81213   | --  | --  | --   | --                                      | 8.3   | 77.4   | 7.2  | --  | --  | 57  | 9.5  |
| 22... | 1115 | 81213   | --  | .7  | 8  | 10                                      | 7.7   | 74.0   | 6.9  | 7.0   | 47  | 44  | 18.6 |
| 29... | 0800 | 81213   | --  | --  | --   | --                                      | 7.3   | 74.1   | 6.9  | --  | --  | 54  | 7.0  |
| APR   |      |   |   |   |  |   |   |  |  |   |   |   |      |
| 05... | 1030 | 81213   | --  | 2.4   | 6  | 13                                      | 7.5   | 68.4   | 7.0  | 7.4   | 47  | 50  | 8.0  |
| MAY   |      |   |   |   |  |   |   |  |  |   |   |   |      |
| 25... | 0815 | 81213   | --  | 3.3   | 6  | 6.5                                     | 4.5   | 54.2   | 6.8  | 7.5   | 70  | 71  | 22.3 |
| JUN   |      |   |   |   |  |   |   |  |  |   |   |   |      |
| 08... | 0900 | 81213   | --  | --  | --   | --                                      | 4.8   | 53.4   | 7.0  | --  | --  | 99  | 26.4 |
| 15... | 0745 | 81213   | --  | --  | --   | --                                      | 4.2   | 50.3   | 6.8  | --  | --  | 109   | 21.6 |
| 19... | 1050 | 81213   | .54   | .6  | 11   | 21                                      | 4.6   | 56.0   | 7.2  | 7.5   | 106   | 111   | 30.7 |
| JUL   |      |   |   |   |  |   |   |  |  |   |   |   |      |
| 10... | 0815 | 81213   | --  | 1.5   | 12   | 36                                      | 4.7   | 57.1   | 6.8  | 7.9   | 100   | 106   | 22.0 |
| 17... | 0645 | 81213   | --  | --  | --   | --                                      | 1.5   | 17.6   | 6.5  | --  | --  | 104   | 15.0 |
| 24... | 0655 | 81213   | --  | --  | --   | --                                      | 3.3   | 39.0   | 6.7  | --  | --  | 92  | 20.3 |
| AUG   |      |   |   |   |  |   |   |  |  |   |   |   |      |
| 01... | 0930 | 81213   | E.06  | 1.3   | 6  | 7.2                                     | 5.1   | 61.8   | 7.1  | 7.4   | 88  | 88  | 26.4 |
| SEP   |      |   |   |   |  |   |   |  |  |   |   |   |      |
| 28... | 1000 | 81213   | --  | 1.6   | 9  | 13                                      | 5.1   | 53.3   | 7.0  | 7.4   | 105   | 109   | 17.6 |
| OCT   |      |   |   |   |  |   |   |  |  |   |   |   |      |
| 11... | 0910 | 81213   | --  | --  | --   | --                                      | 6.4   | 59.2   | 6.8  | --  | --  | 79  | 8.6  |
| 18... | 0720 | 81213   | --  | --  | --   | --                                      | 4.8   | 46.2   | 6.6  | --  | --  | 82  | 8.9  |
| 24... | 0810 | 81213   | --  | 5.7   | 6  | 12                                      | 3.9   | 38.9   | 6.5  | 7.1   | 80  | 93  | 10.0 |
| NOV   |      |   |   |   |  |   |   |  |  |   |   |   |      |
| 15... | 1045 | 81213   | --  | .6  | 4  | 8.7                                     | 7.0   | 62.7   | 6.7  | 6.9   | 71  | 72  | 9.1  |
| DEC   |      |   |   |   |  |   |   |  |  |   |   |   |      |
| 13... | 1145 | 81213   | --  | .6  | 7  | 5.6                                     | 8.8   | 72.1   | 7.3  | 7.3   | 61  | 61  | 4.0  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337985 CEDAR CREEK AT SEWELL MILL ROAD, NEAR ROSCOE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |   |  |   |
| 24... | 5.1   | 16   | .06   | .1  | .030  | 2.2  | 170   |
| FEB   |   |  |   |   |   |  |   |
| 28... | 12.0  | 23   | .06   | .1  | <.020   | 2.0  | --  |
| MAR   |   |  |   |   |   |  |   |
| 15... | 12.0  | --   | --  | --  | --  | --   | 20  |
| 22... | 13.4  | 17   | .04   | .1  | <.020   | 3.0  | 70  |
| 29... | 14.9  | --   | --  | --  | --  | --   | 20  |
| APR   |   |  |   |   |   |  |   |
| 05... | 10.6  | 17   | .08   | .1  | .020  | 3.0  | 130   |
| MAY   |   |  |   |   |   |  |   |
| 25... | 23.4  | 31   | .08   | .1  | <.020   | 2.4  | <20   |
| JUN   |   |  |   |   |   |  |   |
| 08... | 19.7  | --   | --  | --  | --  | --   | 130   |
| 15... | 23.0  | --   | --  | --  | --  | --   | 40  |
| 19... | 24.5  | 54   | .38   | .1  | <.020   | 2.2  | 50  |
| JUL   |   |  |   |   |   |  |   |
| 10... | 24.2  | 51   | .39   | .03   | <.020   | 2.1  | 80  |
| 17... | 22.3  | --   | --  | --  | --  | --   | <20   |
| 24... | 23.3  | --   | --  | --  | --  | --   | 490   |
| AUG   |   |  |   |   |   |  |   |
| 01... | 24.3  | 41   | .18   | .1  | <.020   | 2.6  | 230   |
| SEP   |   |  |   |   |   |  |   |
| 28... | 17.5  | 45   | .10   | .03   | <.020   | 6.1  | 110   |
| OCT   |   |  |   |   |   |  |   |
| 11... | 11.3  | --   | --  | --  | --  | --   | 130   |
| 18... | 13.6  | --   | --  | --  | --  | --   | 50  |
| 24... | 15.7  | 32   | .08   | .04   | <.020   | 5.7  | 130   |
| NOV   |   |  |   |   |   |  |   |
| 15... | 10.0  | 21   | .10   | .1  | <.020   | 3.5  | --  |
| DEC   |   |  |   |   |   |  |   |
| 13... | 6.5   | 19   | .06   | .1  | <.020   | 2.6  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02337985 CEDAR CREEK AT SEWELL MILL ROAD, NEAR ROSCOE, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>PH<br>WATER<br>SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | PH<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS CA<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS MG<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L)<br>AS SB<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L)<br>AS AS<br>(01002) | CADMIUM<br>WATER<br>TOTAL<br>(UG/L)<br>AS CD<br>(01027) |     |
|--------------|------|---|---|--|--|---|---|--|--|---|--|---|-----|
| APR<br>05... | 1030 | 81213   | 7.5   | 68.4   | 7.0  | 50  | 8.0   | 10.6   | 3.0  | 1.2   | <1.0   | <2.0  | <.5 |
| SEP<br>28... | 1000 | 81213   | 5.1   | 53.3   | 7.0  | 109   | 17.6  | 17.5   | 8.3  | 2.7   | <1.0   | <4.0  | <.5 |

| DATE         | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|--|--|---|---|--|
| APR<br>05... | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | <1.0   |
| SEP<br>28... | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 7.4  |

**APALACHICOLA RIVER BASIN**  
**2000 Calendar Year**

**02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 33°28'37", long 84°54'04", Carroll-Coweta County line, Hydrologic Unit 03130002, at downstream end of right bank pier of bridge on Georgia Highway 16, 0.5 mile upstream from Central of Georgia Railroad bridge, 1.5 miles downstream from Cedar Creek, 2.0 miles downstream from Snake Creek, 1.2 miles southeast of Whitesburg, and at mile 259.8.

**DRAINAGE AREA.--**2,430 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**February 1968 to May 1972, July 1975 to December 1995, January 2000 to December 2000 (USGS-Georgia DNR-EPD Cooperative Sampling Program, discontinued). July 1975 to current year (other data-collection programs of the USGS, Georgia District).

**PERIOD OF DAILY RECORD.--**

WATER TEMPERATURES: August 1975 to September 1976, November 1978 to September 1984.

**EXTREMES FOR PERIOD OF DAILY RECORD.--**

WATER TEMPERATURES: Maximum, 31.5°C June 24, 1981; minimum, 1.5°C Jan. 13, 1982.

**REMARKS.--**Data for this station which were collected as part of the U.S. Geological Survey, National Water-Quality Assessment are presented in a separate theme of this report. The flow at this site is regulated by Lake Sidney Lanier (station 02334400). 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.

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|---|---|--|--|
| JAN   |      |   |   |   |  |   |   |   |  |  |
| 18... | 1300 | 81213   | 1640  | 1.7   | 14   | --                                      | 8.5   | 80  | 7.2  | 7.5  |
| FEB   |      |   |   |   |  |   |   |   |  |  |
| 09... | 1200 | 81213   | 1670  | 2.4   | 10   | --                                      | 9.8   | 88  | 7.2  | 7.4  |
| MAR   |      |   |   |   |  |   |   |   |  |  |
| 15... | 0905 | 81213   | 1770  | --  | --   | --                                      | 8.4   | 84  | 7.0  | --   |
| 21... | 1215 | 81213   | 8610  | 3.0   | 210  | --                                      | 8.5   | 82  | 6.5  | 7.2  |
| 29... | 0830 | 81213   | 2010  | --  | --   | --                                      | 6.9   | 73  | 7.0  | --   |
| APR   |      |   |   |   |  |   |   |   |  |  |
| 05... | 1130 | 81213   | 7120  | 2.6   | 77   | 100                                     | 7.3   | 73  | 7.0  | 7.3  |
| MAY   |      |   |   |   |  |   |   |   |  |  |
| 25... | 0915 | 81213   | 1900  | 2.2   | 31   | 18                                      | 5.9   | 73  | 7.0  | 7.4  |
| JUN   |      |   |   |   |  |   |   |   |  |  |
| 08... | 0935 | 81213   | 2050  | --  | --   | --                                      | 7.0   | 82  | 7.3  | --   |
| 15... | 0815 | 81213   | 2710  | --  | --   | --                                      | 6.2   | 77  | 7.2  | --   |
| 21... | 1100 | 81213   | 3220  | 1.2   | 50   | 27                                      | 6.1   | 77  | 7.0  | 7.6  |
| JUL   |      |   |   |   |  |   |   |   |  |  |
| 11... | 1400 | 81213   | 1300  | 7.8   | 10   | --                                      | 6.6   | 88  | 6.9  | 7.5  |
| 17... | 0730 | 81213   | 1090  | --  | --   | --                                      | 6.3   | 77  | 7.0  | --   |
| 24... | 0725 | 81213   | 3400  | --  | --   | --                                      | 6.6   | 80  | 7.0  | --   |
| AUG   |      |   |   |   |  |   |   |   |  |  |
| 01... | 1045 | 81213   | 5150  | 2.3   | 190  | 120                                     | 5.9   | 72  | 7.1  | 7.2  |
| SEP   |      |   |   |   |  |   |   |   |  |  |
| 28... | 1100 | 81213   | 1770  | 1.6   | 21   | 27                                      | 7.6   | 86  | 7.5  | 7.5  |
| OCT   |      |   |   |   |  |   |   |   |  |  |
| 05... | 1015 | 81213   | 1480  | .8  | 14   | 9.4                                     | 7.4   | 87  | 6.8  | 7.5  |
| 11... | 1000 | 81213   | 1300  | --  | --   | --                                      | 8.9   | 90  | 7.4  | --   |
| 18... | 0805 | 81213   | 1880  | --  | --   | --                                      | 7.0   | 79  | 7.1  | --   |
| NOV   |      |   |   |   |  |   |   |   |  |  |
| 30... | 1320 | 81213   | 2060  | 4.6   | 7  | 7.6                                     | 9.6   | 90  | 7.1  | 7.4  |
| DEC   |      |   |   |   |  |   |   |   |  |  |
| 18... | 1245 | 81213   | 3150  | 4.5   | 76   | 68                                      | 7.7   | 66  | 6.4  | 7.4  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |  |   |   |   |  |   |
| 18... | 155   | 151  | 18.0  | 12.0  | 31   | .14   | 2.2   | .060  | 2.1  | 50  |
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 09... | 155   | 154  | 13.5  | 10.2  | 29   | .29   | 2.0   | .050  | 2.8  | --  |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 15... | --  | 154  | 11.0  | 15.0  | --   | --  | --  | --  | --   | 490   |
| 21... | 72  | 64   | 19.5  | 13.0  | 16   | .20   | .8  | .280  | 3.5  | 24000   |
| 29... | --  | 152  | 9.5   | 16.7  | --   | --  | --  | --  | --   | 70  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 05... | 79  | 75   | 10.7  | 14.7  | 19   | .11   | .7  | .110  | 5.1  | 1100  |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 25... | 136   | 137  | 25.0  | 24.8  | 29   | .16   | 1.8   | .080  | 2.6  | 70  |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 08... | --  | 134  | 26.8  | 22.5  | --   | --  | --  | --  | --   | 130   |
| 15... | --  | 137  | 26.4  | 25.4  | --   | --  | --  | --  | --   | 130   |
| 21... | 159   | 164  | 30.5  | 26.8  | 30   | .11   | 2.8   | .120  | 2.4  | 330   |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 11... | 172   | 174  | --  | 29.8  | 30   | .08   | 3.1   | .080  | 2.7  | 230   |
| 17... | --  | 124  | 17.0  | 24.5  | --   | --  | --  | --  | --   | 50  |
| 24... | --  | 114  | 20.9  | 23.9  | --   | --  | --  | --  | --   | 270   |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 01... | 100   | 98   | 27.9  | 24.4  | 20   | .16   | 1.6   | .270  | 2.8  | 5400  |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 28... | 128   | 123  | 24.2  | 21.4  | 26   | .08   | 1.7   | .100  | 2.4  | 790   |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 05... | 154   | 152  | 25.0  | 22.5  | 30   | .09   | 2.2   | .080  | 2.1  | 50  |
| 11... | --  | 159  | 15.7  | 15.5  | --   | --  | --  | --  | --   | 260   |
| 18... | --  | 186  | 10.5  | 20.2  | --   | --  | --  | --  | --   | 230   |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 30... | 148   | 145  | 10.5  | 11.7  | 30   | .52   | 1.8   | .140  | 2.7  | --  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 18... | 99  | 89   | 3.5   | 8.1   | 24   | .18   | .9  | .130  | 8.1  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| APR<br>05... | 1130 | 81213   | 7120  | 7.3   | 73  | 7.0  | 75   | 10.7  | 14.7  | 5.6  | 1.6  |
| SEP<br>28... | 1100 | 81213   | 1770  | 7.6   | 86  | 7.5  | 123  | 24.2  | 21.4  | 8.4  | 1.8  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| APR<br>05... | <1.0  | <2.0   | <.5  | 4.4   | 7.8  | 24   | <.1  | 2.3  | <2.0  | <2.0  | 27   |
| SEP<br>28... | <1.0  | <4.0   | <.5  | 1.1   | 4.2  | 2.8  | <.1  | 1.1  | <4.0  | <2.0  | 15   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02338400 CENTRALHATCHEE CREEK AT US HIGHWAY 27, NEAR FRANKLIN, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°18'40", long 85°06'18", Heard County, Hydrologic Unit 03130002, at bridge on US Highway 27, 1.9 miles upstream from confluence with the Chattahoochee River, and 1.3 miles north of Franklin.

**DRAINAGE AREA.**--56.7 mi<sup>2</sup>.

**PERIOD OF RECORD.**--January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>ARDS)<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>ARDS)<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|---|---|---|
| JAN   |      |   |   |   |   |   |   |   |   |   |
| 19... | 1220 | 81213   | 25  | .7  | <1  | 9.3                                     | 9.8   | 86  | 6.8   | 7.0   |
| FEB   |      |   |   |   |   |   |   |   |   |   |
| 15... | 1145 | 81213   | 40  | 4.3   | 48  | 75                                      | 10.6  | 94  | 6.9   | 6.8   |
| MAR   |      |   |   |   |   |   |   |   |   |   |
| 20... | 1110 | 81213   | 272   | 4.9   | 260   | 230                                     | 10.1  | 95  | 7.0   | 6.2   |
| 22... | 1210 | 81213   | 54  | --  | --  | --                                      | 10.2  | 98  | 6.8   | --  |
| 27... | 0815 | 81213   | 34  | --  | --  | --                                      | 8.9   | 92  | 6.7   | --  |
| APR   |      |   |   |   |   |   |   |   |   |   |
| 03... | 1150 | 81213   | 691   | 6.0   | 250   | 240                                     | 8.3   | 88  | 7.0   | 6.0   |
| MAY   |      |   |   |   |   |   |   |   |   |   |
| 30... | 1050 | 81213   | 16  | .7  | 12  | 16                                      | 7.8   | 89  | 7.0   | 7.1   |
| JUN   |      |   |   |   |   |   |   |   |   |   |
| 12... | 0730 | 81213   | 13  | --  | --  | --                                      | 7.0   | 84  | 6.9   | --  |
| 19... | 0715 | 81213   | 11  | --  | --  | --                                      | 6.4   | 80  | 6.9   | --  |
| 27... | 0845 | 81213   | 12  | 1.5   | 15  | 17                                      | 6.8   | 85  | 7.1   | 7.2   |
| JUL   |      |   |   |   |   |   |   |   |   |   |
| 31... | 0750 | 81213   | 9.8   | 2.6   | 14  | 18                                      | 5.8   | 71  | 6.6   | 7.1   |
| AUG   |      |   |   |   |   |   |   |   |   |   |
| 10... | 0705 | 81213   | 11  | --  | --  | --                                      | 6.6   | 82  | 6.8   | --  |
| 14... | 0735 | 81213   | 10  | --  | --  | --                                      | 6.9   | 81  | 6.7   | --  |
| 28... | 1020 | 81213   | 16  | .8  | 15  | 23                                      | 7.3   | 87  | 6.9   | 6.9   |
| SEP   |      |   |   |   |   |   |   |   |   |   |
| 20... | 0930 | 81213   | 8.0   | .5  | 13  | 18                                      | 7.6   | 85  | 7.4   | 7.1   |
| 26... | 0720 | 81213   | 14  | --  | --  | --                                      | 7.1   | 82  | 6.8   | --  |
| OCT   |      |   |   |   |   |   |   |   |   |   |
| 16... | 0835 | 81213   | 11  | --  | --  | --                                      | 9.3   | 89  | 7.2   | --  |
| 18... | 0920 | 81213   | 12  | 1.0   | 9   | 13                                      | 8.7   | 87  | 7.1   | 7.3   |
| NOV   |      |   |   |   |   |   |   |   |   |   |
| 21... | 1115 | 81213   | 30  | .9  | 6   | 16                                      | 12.0  | 96  | 7.1   | 6.9   |
| DEC   |      |   |   |   |   |   |   |   |   |   |
| 05... | 0910 | 81213   | 20  | .7  | 2   | 4.7                                     | 11.7  | 91  | 7.1   | 7.3   |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02338400 CENTRALHATCHEE CREEK AT US HIGHWAY 27, NEAR FRANKLIN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|---|---|---|---|--|---|
| JAN   |   |   |   |   |   |   |   |   |  |   |
| 19... | 38  | 43  | 10.5  | 8.9   | 15  | .04   | .2  | <.020   | 2.0  | 80  |
| FEB   |   |   |   |   |   |   |   |   |  |   |
| 15... | 48  | 44  | 19.0  | 9.9   | 13  | .35   | .5  | .200  | 5.7  | --  |
| MAR   |   |   |   |   |   |   |   |   |  |   |
| 20... | 38  | 37  | 18.0  | 12.0  | 8   | .23   | .4  | .430  | 7.7  | 7900  |
| 22... | --  | 34  | 23.9  | 13.3  | --  | --  | --  | --  | --   | 790   |
| 27... | --  | 36  | 14.0  | 15.6  | --  | --  | --  | --  | --   | 140   |
| APR   |   |   |   |   |   |   |   |   |  |   |
| 03... | 38  | 53  | 18.5  | 16.8  | 8   | .24   | .3  | .350  | 7.1  | >24000  |
| MAY   |   |   |   |   |   |   |   |   |  |   |
| 30... | 37  | 35  | 25.0  | 21.1  | 13  | .09   | .3  | .050  | 2.7  | 80  |
| JUN   |   |   |   |   |   |   |   |   |  |   |
| 12... | --  | 35  | 22.3  | 24.1  | --  | --  | --  | --  | --   | 80  |
| 19... | --  | 33  | 20.5  | 26.2  | --  | --  | --  | --  | --   | 80  |
| 27... | 35  | 37  | 33.3  | 25.5  | 12  | .09   | .2  | .040  | 2.8  | 170   |
| JUL   |   |   |   |   |   |   |   |   |  |   |
| 31... | 35  | 36  | 21.0  | 24.6  | 13  | .11   | .1  | .040  | 2.2  | 270   |
| AUG   |   |   |   |   |   |   |   |   |  |   |
| 10... | --  | 35  | 22.6  | 26.2  | --  | --  | --  | --  | --   | 230   |
| 14... | --  | 44  | 15.6  | 22.9  | --  | --  | --  | --  | --   | 170   |
| 28... | 34  | 33  | 29.3  | 23.3  | 11  | .08   | .2  | .060  | 2.7  | 80  |
| SEP   |   |   |   |   |   |   |   |   |  |   |
| 20... | 36  | 37  | 24.3  | 20.0  | 13  | .08   | .1  | .050  | 3.0  | <20   |
| 26... | --  | 42  | 13.7  | 21.8  | --  | --  | --  | --  | --   | 460   |
| OCT   |   |   |   |   |   |   |   |   |  |   |
| 16... | --  | 37  | 12.2  | 12.9  | --  | --  | --  | --  | --   | 80  |
| 18... | 36  | 35  | 20.7  | 15.1  | 14  | .02   | .03   | .020  | 1.4  | 230   |
| NOV   |   |   |   |   |   |   |   |   |  |   |
| 21... | 41  | 39  | 5.0   | 5.7   | 10  | .09   | .3  | .050  | 2.4  | --  |
| DEC   |   |   |   |   |   |   |   |   |  |   |
| 05... | 39  | 38  | -2.5  | 4.6   | 15  | .07   | .04   | <.020   | 2.0  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02338400 CENTRALHATCHEE CREEK AT US HIGHWAY 27, NEAR FRANKLIN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| MAR<br>20... | 1110 | 81213   | 272   | 10.1  | 95  | 7.0  | 37   | 18.0  | 12.0  | 1.9  | 1.3  |
| SEP<br>20... | 0930 | 81213   | 8.0   | 7.6   | 85  | 7.4  | 37   | 24.3  | 20.0  | 1.8  | 1.1  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>20... | <1.0  | <2.0   | <.5  | 4.0   | 8.9  | 5.5  | <.1  | 2.3  | <2.0  | <2.0  | 20   |
| SEP<br>20... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |

**APALACHICOLA RIVER BASIN**  
**2000 Calendar Year**

**02338500 CHATTAHOOCHEE RIVER AT FRANKLIN, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°16'45", long 85°06'00", Heard County, Hydrologic Unit 03130002, at the bridge on US Highway 27, 1.0 mile downstream from Centralhatchee Creek, 2.0 miles upstream from Hillabahatchee Creek, 0.2 mile southwest of Franklin, and at mile 235.5.

**DRAINAGE AREA.**--2,680 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--

Streamflow: June 1928 to October 1931, October 1938 to September 1939, and October 1957 to September 1959.

Continuous Gage-height: October 1994 to July 1997.

Continuous Water-quality: Provisional data are available, upon request, for October 1994 to July 1997.

Periodic Water-quality: July 1975 to current year.

**GAGE.**--Water-stage recorder. Datum of gage is 623.86 feet above sea level (from US Army Corps of Engineers). June 5, 1928 to October 31, 1931, non-recording gage at site 250 feet downstream at a datum 0.25 feet lower; October 1, 1938 to September 30, 1939, non-recording gage at site 500 feet downstream and same datum; October 1, 1957 to September 30, 1959, non-recording gage at same site and datum; October 1994 to July 1997, recording gage at same datum.

**AVERAGE DISCHARGE.**--6 years (water years 1929-31, 1939, 1958-59), 4,160 ft<sup>3</sup>/s, 21.09 in/yr.

**EXTREME STREAMFLOWS FOR PERIOD OF RECORD.**--Maximum discharge, 54,000 ft<sup>3</sup>/s, March 15, 1929, gage height, 22.7 feet, from rating curve extended above 36,000 ft<sup>3</sup>/s on basis of peak flow at stations Chattahoochee River near Norcross, GA and Chattahoochee River at West Point, GA; minimum, 448 ft<sup>3</sup>/s, October 29, 1931, observed gage height, 3.32 feet, site and datum then in use.

**EXTREME STREAMFLOWS OUTSIDE PERIOD OF RECORD.**--The flood of December 1919 reached a stage of 28.4 ft, based on floodmarks; and a discharge 105,000 ft<sup>3</sup>/s, from rating curve extended above 36,000 ft<sup>3</sup>/s on basis of peak flow at stations Chattahoochee River near Norcross, GA and Chattahoochee River at West Point, GA.

**EXTREME GAGE-HEIGHT FOR PERIOD OF RECORD.**--Maximum recorded gage height, 25.32 feet, Oct. 6, 1995; minimum recorded gage height, 6.63 feet, September 12, 1995.

**APALACHICOLA RIVER BASIN  
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**02338500 CHATTAHOOCHEE RIVER AT FRANKLIN, GA--Continued**

**PERIODIC WATER-QUALITY RECORDS**

**REMARKS.**--Since October 1974, the streamflow gaging station which was located at this site has been in the pool of West Point Lake formed by the dam at mile 201.4. The flow at this site has been regulated by Lake Sidney Lanier since January 1956 (station 02334400) and is affected by backwater from West Point Lake (station 02339400). 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|--|---|---|---|--|--|---|---|
| JAN   |      |   |  |   |   |   |  |  |   |   |
| 19... | 1050 | 81213   | E1960  | .2  | 11  | 10                                      | 9.6  | 90   | 6.6   | 7.4   |
| FEB   |      |   |  |   |   |   |  |  |   |   |
| 15... | 0930 | 81213   | E7360  | 5.3   | 350   | 230                                     | 8.9  | 82   | 7.0   | 6.9   |
| MAR   |      |   |  |   |   |   |  |  |   |   |
| 20... | 0940 | 81213   | E12600   | 2.5   | 110   | 100                                     | 8.4  | 85   | 7.1   | 7.0   |
| 22... | 0915 | 81213   | E5760  | --  | --  | --                                      | 9.0  | 88   | 6.8   | --  |
| 27... | 0705 | 81213   | E2080  | --  | --  | --                                      | 7.3  | 82   | 7.1   | --  |
| APR   |      |   |  |   |   |   |  |  |   |   |
| 03... | 1030 | 81213   | E15000   | 3.5   | 380   | 260                                     | 7.3  | 79   | 7.0   | 6.8   |
| MAY   |      |   |  |   |   |   |  |  |   |   |
| 30... | 0840 | 81213   | E1650  | .8  | 19  | 13                                      | 6.4  | 79   | 7.3   | 7.4   |
| JUN   |      |   |  |   |   |   |  |  |   |   |
| 12... | 0645 | 81213   | E1250  | --  | --  | --                                      | 6.5  | 81   | 7.2   | --  |
| 19... | 0630 | 81213   | E1370  | --  | --  | --                                      | 6.7  | 83   | 7.1   | --  |
| 27... | 0750 | 81213   | E1710  | .7  | 16  | 6.0                                     | 6.6  | 83   | 7.3   | 7.7   |
| JUL   |      |   |  |   |   |   |  |  |   |   |
| 31... | 0630 | 81213   | E2570  | 3.4   | 33  | 32                                      | 6.8  | 84   | 7.1   | 7.5   |
| AUG   |      |   |  |   |   |   |  |  |   |   |
| 10... | 0610 | 81213   | E2490  | --  | --  | --                                      | 6.2  | 82   | 7.2   | --  |
| 14... | 0855 | 81213   | E1180  | --  | --  | --                                      | 6.8  | 85   | 7.3   | --  |
| 28... | 0800 | 81213   | E3010  | .6  | 26  | 20                                      | 7.2  | 87   | 7.3   | 7.4   |
| SEP   |      |   |  |   |   |   |  |  |   |   |
| 20... | 0830 | 81213   | E1190  | .6  | 7   | 3.6                                     | 7.5  | 90   | 7.2   | 7.6   |
| 26... | 0615 | 81213   | E3560  | --  | --  | --                                      | 7.1  | 87   | 7.1   | --  |
| OCT   |      |   |  |   |   |   |  |  |   |   |
| 16... | 0745 | 81213   | E1200  | --  | --  | --                                      | 8.7  | 93   | 7.3   | --  |
| 18... | 0820 | 81213   | E1750  | .7  | 6   | 4.4                                     | 8.1  | 90   | 7.5   | 7.8   |
| NOV   |      |   |  |   |   |   |  |  |   |   |
| 21... | 0955 | 81213   | E3110  | 1.4   | 31  | 31                                      | 10.6   | 93   | 7.1   | 7.1   |
| DEC   |      |   |  |   |   |   |  |  |   |   |
| 05... | 0740 | 81213   | E1820  | 1.1   | 3   | 5.0                                     | 10.1   | 91   | 6.9   | 7.5   |

**APALACHICOLA RIVER BASIN  
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**02338500 CHATTAHOOCHEE RIVER AT FRANKLIN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | SPE-CIFIC CONDUCTANCE<br>(US/CM)<br>(90095) | SPE-CIFIC CONDUCTANCE<br>(US/CM)<br>(00095) | TEMPERATURE AIR<br>(DEG C)<br>(00020) | TEMPERATURE WATER<br>(DEG C)<br>(00010) | ANC UNFLTRD TIT 4.5<br>LAB (MG/L AS CAC03)<br>(90410) | NITROGEN AMMONIA TOTAL<br>(MG/L AS N)<br>(00610) | NITROGEN NO2+NO3 TOTAL<br>(MG/L AS N)<br>(00630) | PHOSPHORUS TOTAL<br>(MG/L AS P)<br>(00665) | CARBON, ORGANIC TOTAL<br>(MG/L AS C)<br>(00680) | COLIFORM, FECAL, EC BROTH<br>(MPN)<br>(31615) |
|-----------|---|---|---------------------------------------|---|---|--|--|--|---|---|
| JAN 19... | 142   | 147   | 10.0                                  | 11.4                                    | 28  | .10  | 1.8  | .050                                       | 2.7   | 20  |
| FEB 15... | 91  | 88  | 7.0                                   | 11.5                                    | 20  | .20  | .9   | .440                                       | 3.2   | --  |
| MAR 20... | 95  | 96  | 12.2                                  | 14.6                                    | 19  | .18  | 1.2  | .190                                       | 3.3   | 4900  |
| MAR 22... | --  | 69  | 14.5                                  | 14.0                                    | --  | --   | --   | --   | --  | 7900  |
| MAR 27... | --  | 130   | 12.9                                  | 19.7                                    | --  | --   | --   | --   | --  | 20  |
| APR 03... | 90  | 86  | 17.0                                  | 17.7                                    | 18  | .15  | 1.1  | .390                                       | 2.9   | 3500  |
| MAY 30... | 159   | 159   | 21.7                                  | 25.5                                    | 29  | .07  | 2.2  | .070                                       | 2.6   | <20   |
| JUN 12... | --  | 145   | 22.9                                  | 26.1                                    | --  | --   | --   | --   | --  | 50  |
| JUN 19... | --  | 118   | 21.5                                  | 25.8                                    | --  | --   | --   | --   | --  | 50  |
| JUN 27... | 123   | 127   | 25.8                                  | 26.7                                    | 24  | .04  | 1.6  | .060                                       | 2.0   | 50  |
| JUL 31... | 123   | 124   | 19.7                                  | 25.2                                    | 24  | .08  | 1.8  | .100                                       | 2.2   | 81  |
| AUG 10... | --  | 170   | 22.5                                  | 29.4                                    | --  | --   | --   | --   | --  | 230   |
| AUG 14... | --  | 138   | 23.9                                  | 26.2                                    | --  | --   | --   | --   | --  | 230   |
| AUG 28... | 113   | 114   | 23.5                                  | 24.3                                    | 22  | .05  | 1.5  | .080                                       | 2.1   | 170   |
| SEP 20... | 177   | 180   | 18.4                                  | 23.5                                    | 32  | <.01   | 2.7  | .050                                       | 2.4   | <20   |
| SEP 26... | --  | 120   | 14.7                                  | 24.3                                    | --  | --   | --   | --   | --  | 170   |
| OCT 16... | --  | 165   | 6.9                                   | 17.9                                    | --  | --   | --   | --   | --  | 70  |
| OCT 18... | 183   | 181   | 11.8                                  | 20.0                                    | 34  | .04  | 2.5  | .030                                       | 2.4   | 50  |
| NOV 21... | 111   | 112   | 1.0                                   | 9.4                                     | 24  | .21  | 1.1  | .090                                       | 2.4   | --  |
| DEC 05... | 160   | 162   | -5.5                                  | 10.6                                    | 29  | .13  | 2.2  | .020                                       | 3.0   | --  |

| DATE      | TIME | AGENCY ANALYZING SAMPLE NUMBER<br>(00028) | DISCHARGE, INST. FEET PER SECOND<br>(00061) | OXYGEN, DIS-SOLVED (MG/L)<br>(00300) | OXYGEN, SATURATION PERCENT<br>(00301) | PH WATER WHOLE FIELD (STANDARD UNITS)<br>(00400) | SPE-CIFIC CONDUCTANCE<br>(US/CM)<br>(00095) | TEMPERATURE AIR<br>(DEG C)<br>(00020) | TEMPERATURE WATER<br>(DEG C)<br>(00010) | CALCIUM, TOTAL RECOVERABLE<br>(MG/L AS CA)<br>(00916) | MAGNESIUM, TOTAL RECOVERABLE<br>(MG/L AS MG)<br>(00927) |
|-----------|------|---|---|--------------------------------------|---------------------------------------|--|---|---------------------------------------|---|---|---|
| MAR 20... | 0940 | 81213                                     | E12600                                      | 8.4                                  | 85                                    | 7.1  | 96  | 12.2                                  | 14.6                                    | 6.3   | 1.8   |
| SEP 20... | 0830 | 81213                                     | E1190                                       | 7.5                                  | 90                                    | 7.2  | 180   | 18.4                                  | 23.5                                    | 3.8   | 1.4   |

| DATE      | ANTI-MONY, TOTAL<br>(UG/L AS SB)<br>(01097) | ARSENIC TOTAL<br>(UG/L AS AS)<br>(01002) | CADMIUM WATER UNFLTRD TOTAL<br>(UG/L AS CD)<br>(01027) | CHROMIUM, TOTAL RECOVERABLE<br>(UG/L AS CR)<br>(01034) | COPPER, TOTAL RECOVERABLE<br>(UG/L AS CU)<br>(01042) | LEAD, TOTAL RECOVERABLE<br>(UG/L AS PB)<br>(01051) | MERCURY TOTAL RECOVERABLE<br>(UG/L AS HG)<br>(71900) | NICKEL, TOTAL RECOVERABLE<br>(UG/L AS NI)<br>(01067) | SELENIUM, TOTAL RECOVERABLE<br>(UG/L AS SE)<br>(01147) | THALLIUM, TOTAL RECOVERABLE<br>(UG/L AS TL)<br>(01059) | ZINC, TOTAL RECOVERABLE<br>(UG/L AS ZN)<br>(01092) |
|-----------|---|--|--|--|--|--|--|--|--|--|--|
| MAR 20... | <1.0  | <2.0                                     | <.5  | 3.1  | 7.9  | 5.4  | <.1  | 2.3  | <2.0   | <2.0   | 21   |
| SEP 20... | <1.0  | <4.0                                     | <.5  | <1.0   | <2.0   | <2.0   | <.1  | <1.0   | <4.0   | <2.0   | 3.0  |

**APALACHICOLA RIVER BASIN  
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**02338530 HILLABAHATCHEE CREEK NEAR FRANKLIN, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°16'50", long 85°07'10", Heard County, Hydrologic Unit 03130002, at bridge on Georgia Highway 34, 2.8 miles above mouth, 2.0 miles upstream of Talieson Creek, and 0.4 mile west of Franklin.

**DRAINAGE AREA.**--75.9 mi<sup>2</sup>.

**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.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|--|---|--|--|
| JAN   |      |   |   |   |   |   |  |   |  |  |
| 19... | 1140 | 81213   | 54  | .7  | 6   | 5.4                                     | 9.9  | 89  | 6.9  | 7.1  |
| FEB   |      |   |   |   |   |   |  |   |  |  |
| 15... | 1040 | 81213   | 81  | 2.9   | 41  | 63                                      | 9.8  | 90  | 6.9  | 6.9  |
| MAR   |      |   |   |   |   |   |  |   |  |  |
| 20... | 1030 | 81213   | 511   | 3.4   | 200   | 210                                     | 9.4  | 89  | 6.6  | 6.5  |
| 22... | 0955 | 81213   | 107   | --  | --  | --                                      | 9.4  | 92  | 6.7  | --   |
| 27... | 0740 | 81213   | 66  | --  | --  | --                                      | 8.6  | 90  | 6.8  | --   |
| APR   |      |   |   |   |   |   |  |   |  |  |
| 03... | 1120 | 81213   | 485   | 3.4   | 340   | 240                                     | 8.1  | 86  | 6.7  | 6.7  |
| MAY   |      |   |   |   |   |   |  |   |  |  |
| 30... | 0945 | 81213   | 26  | .5  | 6   | 7.7                                     | 8.0  | 91  | 7.1  | 7.2  |
| JUN   |      |   |   |   |   |   |  |   |  |  |
| 12... | 0800 | 81213   | 19  | --  | --  | --                                      | 7.1  | 83  | 6.9  | --   |
| 19... | 0650 | 81213   | 21  | --  | --  | --                                      | 6.8  | 83  | 6.7  | --   |
| 27... | 0955 | 81213   | 23  | .9  | 6   | 5.2                                     | 6.8  | 82  | 7.1  | 7.2  |
| JUL   |      |   |   |   |   |   |  |   |  |  |
| 31... | 0715 | 81213   | 7.4   | 1.1   | 4   | 6.3                                     | 6.2  | 75  | 6.7  | 7.3  |
| AUG   |      |   |   |   |   |   |  |   |  |  |
| 10... | 0635 | 81213   | 11  | --  | --  | --                                      | 6.3  | 79  | 6.8  | --   |
| 14... | 0815 | 81213   | 8.3   | --  | --  | --                                      | 7.0  | 82  | 6.9  | --   |
| 28... | 0900 | 81213   | 30  | .7  | 8   | 8.8                                     | 6.9  | 82  | 7.1  | 7.0  |
| SEP   |      |   |   |   |   |   |  |   |  |  |
| 20... | 1040 | 81213   | 8.8   | .5  | 5   | 9.0                                     | 7.7  | 86  | 7.1  | 7.2  |
| 26... | 0650 | 81213   | 24  | --  | --  | --                                      | 7.3  | 83  | 6.9  | --   |
| OCT   |      |   |   |   |   |   |  |   |  |  |
| 16... | 0920 | 81213   | 11  | --  | --  | --                                      | 9.2  | 87  | 7.0  | --   |
| 18... | 1020 | 81213   | 11  | .8  | 4   | 6.8                                     | 8.5  | 85  | 7.2  | 7.4  |
| NOV   |      |   |   |   |   |   |  |   |  |  |
| 21... | 1040 | 81213   | 65  | 1.1   | 10  | 15                                      | 11.5   | 93  | 7.4  | 6.8  |
| DEC   |      |   |   |   |   |   |  |   |  |  |
| 05... | 0820 | 81213   | 41  | .8  | 2   | 5.7                                     | 11.5   | 91  | 7.1  | 7.2  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02338530 HILLABAHATCHEE CREEK NEAR FRANKLIN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|---|---|---|---|--|---|
| JAN   |   |  |   |   |   |   |   |   |  |   |
| 19... | 39  | 43   | 10.0  | 9.6   | 17  | .09   | .1  | <.020   | 3.1  | 80  |
| FEB   |   |  |   |   |   |   |   |   |  |   |
| 15... | 34  | 32   | 13.5  | 11.3  | 13  | .09   | .1  | .050  | 2.4  | --  |
| MAR   |   |  |   |   |   |   |   |   |  |   |
| 20... | 27  | 28   | 15.5  | 12.0  | 10  | .09   | .2  | .160  | 4.0  | 13000   |
| 22... | --  | 31   | 17.4  | 13.9  | --  | --  | --  | --  | --   | 220   |
| 27... | --  | 36   | 13.3  | 16.4  | --  | --  | --  | --  | --   | 80  |
| APR   |   |  |   |   |   |   |   |   |  |   |
| 03... | 30  | 31   | 18.0  | 17.0  | 11  | .09   | .1  | .160  | 5.4  | 1300  |
| MAY   |   |  |   |   |   |   |   |   |  |   |
| 30... | 37  | 35   | 23.0  | 21.2  | 15  | .11   | .2  | <.020   | 1.4  | 20  |
| JUN   |   |  |   |   |   |   |   |   |  |   |
| 12... | --  | 36   | 20.5  | 22.8  | --  | --  | --  | --  | --   | 70  |
| 19... | --  | 35   | 20.4  | 25.3  | --  | --  | --  | --  | --   | 70  |
| 27... | 35  | 39   | 24.5  | 24.7  | 14  | .11   | .1  | <.020   | 1.4  | 110   |
| JUL   |   |  |   |   |   |   |   |   |  |   |
| 31... | 35  | 35   | 19.5  | 24.4  | 15  | .06   | .1  | <.020   | 1.4  | 60  |
| AUG   |   |  |   |   |   |   |   |   |  |   |
| 10... | --  | 35   | 21.5  | 26.0  | --  | --  | --  | --  | --   | 110   |
| 14... | --  | 34   | 19.3  | 22.7  | --  | --  | --  | --  | --   | 80  |
| 28... | 35  | 34   | 24.3  | 23.1  | 13  | .09   | .1  | .030  | 2.4  | 220   |
| SEP   |   |  |   |   |   |   |   |   |  |   |
| 20... | 35  | 35   | 24.6  | 19.9  | 14  | .04   | .1  | .020  | 2.6  | <20   |
| 26... | --  | 35   | 11.8  | 21.1  | --  | --  | --  | --  | --   | 230   |
| OCT   |   |  |   |   |   |   |   |   |  |   |
| 16... | --  | 36   | 10.9  | 12.4  | --  | --  | --  | --  | --   | 130   |
| 18... | 36  | 35   | 19.9  | 14.9  | 15  | .04   | .03   | <.020   | 1.0  | 140   |
| NOV   |   |  |   |   |   |   |   |   |  |   |
| 21... | 36  | 34   | 2.6   | 6.3   | 10  | .11   | .1  | <.020   | 3.0  | --  |
| DEC   |   |  |   |   |   |   |   |   |  |   |
| 05... | 39  | 40   | -5.5  | 5.0   | 12  | .06   | .1  | <.020   | 2.1  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02338530 HILLABAHATCHEE CREEK NEAR FRANKLIN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD)<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|--|---|---|---|---|--|---|---|--|--|
| MAR<br>20... | 1030 | 81213  | 511   | 9.4   | 89  | 6.6   | 28   | 15.5  | 12.0  | 1.8  | 1.4  |
| SEP<br>20... | 1040 | 81213  | 8.8   | 7.7   | 86  | 7.1   | 35   | 24.6  | 19.9  | 1.9  | 1.1  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>20... | <1.0  | <2.0   | <.5  | 5.1   | 5.0  | 5.8  | <.1  | 2.5  | <2.0  | <2.0  | 16   |
| SEP<br>20... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02338660 NEW RIVER NEAR CORINTH, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 33°14'07", long 84°59'16", Heard County, Hydrologic Unit 03130002, at bridge on Georgia Highway 100, 1.7 miles downstream of Caney Creek, 3.9 miles downstream of Mountain Creek, 8.1 miles upstream of Chattahoochee River, and 2.5 miles west of Corinth.

**DRAINAGE AREA.--**127 mi<sup>2</sup>.

**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.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|--|---|--|--|
| JAN   |      |   |   |   |  |   |  |   |  |  |
| 20... | 0920 | 81213   | 96  | .8  | 6  | 8.8                                     | 9.8  | 86  | 7.0  | 7.1  |
| FEB   |      |   |   |   |  |   |  |   |  |  |
| 10... | 0930 | 81213   | 70  | .7  | 3  | 4.8                                     | 7.3  | 60  | 5.9  | 7.2  |
| MAR   |      |   |   |   |  |   |  |   |  |  |
| 14... | 1115 | 81213   | 53  | --  | --   | --                                      | 9.4  | 84  | 7.3  | --   |
| 21... | 0850 | 81213   | 807   | 2.4   | 27   | 56                                      | 7.3  | 68  | 6.5  | 7.0  |
| 28... | 0645 | 81213   | 120   | --  | --   | --                                      | 8.1  | 80  | 6.8  | --   |
| APR   |      |   |   |   |  |   |  |   |  |  |
| 04... | 0930 | 81213   | 689   | 1.7   | 22   | 32                                      | 6.5  | 67  | 6.7  | 7.0  |
| MAY   |      |   |   |   |  |   |  |   |  |  |
| 30... | 0820 | 81213   | 19  | .7  | 10   | 9.4                                     | 6.9  | 76  | 7.2  | 7.4  |
| JUN   |      |   |   |   |  |   |  |   |  |  |
| 12... | 0830 | 81213   | 9.2   | --  | --   | --                                      | 6.0  | 69  | 7.2  | --   |
| 19... | 0755 | 81213   | 10  | --  | --   | --                                      | 6.1  | 74  | 7.2  | --   |
| 26... | 0730 | 81213   | 9.8   | 2.3   | 14   | 11                                      | 6.1  | 74  | 7.3  | 7.5  |
| JUL   |      |   |   |   |  |   |  |   |  |  |
| 19... | 0815 | 81213   | 1.2   | .8  | 8  | 4.8                                     | 6.0  | 73  | 7.2  | 7.5  |
| AUG   |      |   |   |   |  |   |  |   |  |  |
| 02... | 0815 | 81213   | .50   | --  | --   | --                                      | 4.9  | 59  | 6.9  | --   |
| 07... | 0600 | 81213   | 7.5   | --  | --   | --                                      | 4.7  | 58  | 7.1  | --   |
| 14... | 0620 | 81213   | 3.7   | .5  | 15   | 11                                      | 5.8  | 68  | 7.0  | 7.5  |
| SEP   |      |   |   |   |  |   |  |   |  |  |
| 18... | 0845 | 81213   | 3.8   | .7  | 30   | 18                                      | 7.3  | 79  | 7.3  | 7.6  |
| 27... | 0620 | 81213   | 24  | --  | --   | --                                      | 7.9  | 82  | 7.1  | --   |
| OCT   |      |   |   |   |  |   |  |   |  |  |
| 10... | 0950 | 81213   | 8.2   | --  | --   | --                                      | 9.9  | 89  | 7.2  | --   |
| 12... | 0645 | 81213   | 3.5   | .4  | 4  | 2.8                                     | 8.7  | 77  | 7.0  | 7.7  |
| NOV   |      |   |   |   |  |   |  |   |  |  |
| 21... | 0730 | 81213   | 137   | 1.6   | 8  | 9.3                                     | 9.7  | 79  | 6.7  | 6.9  |
| DEC   |      |   |   |   |  |   |  |   |  |  |
| 12... | 0930 | 81213   | 30  | .4  | 2  | 3.9                                     | 9.9  | 87  | 6.9  | 7.2  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02338660 NEW RIVER NEAR CORINTH, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|---|---|---|---|--|---|
| JAN   |   |   |   |   |   |   |   |   |  |   |
| 20... | 83  | 84  | 8.9   | 8.6   | 19  | .11   | .3  | <.020   | 2.6  | 210   |
| FEB   |   |   |   |   |   |   |   |   |  |   |
| 10... | 92  | 91  | 2.5   | 6.1   | 21  | .09   | .4  | <.020   | 1.8  | --  |
| MAR   |   |   |   |   |   |   |   |   |  |   |
| 14... | --  | 112   | 17.0  | 9.9   | --  | --  | --  | --  | --   | 80  |
| 21... | 60  | 58  | 12.7  | 12.1  | 11  | .07   | .3  | .100  | 5.1  | 3300  |
| 28... | --  | 86  | 1.0   | 13.6  | --  | --  | --  | --  | --   | 220   |
| APR   |   |   |   |   |   |   |   |   |  |   |
| 04... | 60  | 60  | 11.6  | 16.2  | 15  | .06   | .2  | .070  | 3.8  | 790   |
| MAY   |   |   |   |   |   |   |   |   |  |   |
| 30... | 184   | 190   | 17.1  | 19.4  | 36  | .10   | .6  | .020  | 3.2  | 50  |
| JUN   |   |   |   |   |   |   |   |   |  |   |
| 12... | --  | 177   | 24.8  | 21.7  | --  | --  | --  | --  | --   | 330   |
| 19... | --  | 160   | 22.0  | 24.8  | --  | --  | --  | --  | --   | 170   |
| 26... | 191   | 198   | 21.9  | 23.8  | 37  | .05   | .4  | <.020   | 3.0  | 2400  |
| JUL   |   |   |   |   |   |   |   |   |  |   |
| 19... | 289   | 298   | 24.9  | 24.5  | 41  | .12   | .3  | <.020   | 2.8  | 1300  |
| AUG   |   |   |   |   |   |   |   |   |  |   |
| 02... | --  | 217   | 23.4  | 24.3  | --  | --  | --  | --  | --   | 5400  |
| 07... | --  | 500   | 20.5  | 25.5  | --  | --  | --  | --  | --   | 170   |
| 14... | 444   | 457   | 12.8  | 22.2  | 34  | .06   | .2  | .030  | 2.6  | 170   |
| SEP   |   |   |   |   |   |   |   |   |  |   |
| 18... | 305   | 313   | 17.6  | 18.5  | 39  | .06   | .3  | .060  | 2.2  | 120   |
| 27... | --  | 452   | 10.9  | 16.5  | --  | --  | --  | --  | --   | 20  |
| OCT   |   |   |   |   |   |   |   |   |  |   |
| 10... | --  | 371   | 10.3  | 10.5  | --  | --  | --  | --  | --   | 70  |
| 12... | 367   | 378   | -.5   | 9.6   | 31  | .04   | 1.7   | <.020   | 2.6  | 130   |
| NOV   |   |   |   |   |   |   |   |   |  |   |
| 21... | 139   | 145   | -2.7  | 6.8   | 10  | .10   | 1.1   | .030  | 3.0  | --  |
| DEC   |   |   |   |   |   |   |   |   |  |   |
| 12... | 171   | 177   | 4.6   | 9.4   | 20  | .06   | 1.3   | <.020   | 2.8  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02338660 NEW RIVER NEAR CORINTH, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(CODE<br>00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|--|---|--|--|---|---|--|--|
| MAR<br>21... | 0850 | 81213   | 807   | 7.3  | 68  | 6.5  | 58   | 12.7  | 12.1  | 4.3  | 1.1  |
| SEP<br>18... | 0845 | 81213   | 3.8   | 7.3  | 79  | 7.3  | 313  | 17.6  | 18.5  | 29   | 2.9  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>21... | <1.0  | <2.0   | <.5  | 1.6   | <1.0   | 3.3  | <.1  | <1.0   | <2.0  | <2.0  | 7.2  |
| SEP<br>18... | <1.0  | <4.0   | <.5  | 1.2   | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 5.0  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02338720 CHATTAHOOCHEE RIVER NEAR LAGRANGE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 33°04'42", long 85°06'39", Troup County, Hydrologic Unit 03130002, 1.2 miles upstream from Yellowjacket Creek, and 5.3 miles northwest of LaGrange.

**DRAINAGE AREA.--**3,010 mi<sup>2</sup>, approximately.

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

**REMARKS.--**This site is located in the pool of West Point Lake. Inflows to West Point Lake are regulated by Lake Sidney Lanier (station 02334400). 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) |
|-------|------|---|---|---|---|--|---|--|--|---|
| JAN   |      |   |   |   |   |  |   |  |  |   |
| 20... | 1230 | 81213   | 1.4   | 66  | 44                                      | 9.2  | 87  | 7.1  | 7.3  | 105   |
| FEB   |      |   |   |   |   |  |   |  |  |   |
| 10... | 1315 | 81213   | 3.1   | 4   | 5.3                                     | 11.0   | 97  | 7.5  | 7.4  | 139   |
| MAR   |      |   |   |   |   |  |   |  |  |   |
| 14... | 0900 | 81213   | --  | --  | --                                      | 9.3  | 93  | 7.5  | --   | --  |
| 21... | 1130 | 81213   | 1.0   | 7   | 6.9                                     | 7.4  | 76  | 7.2  | 7.6  | 134   |
| 28... | 0900 | 81213   | --  | --  | --                                      | 8.2  | 88  | 7.1  | --   | --  |
| APR   |      |   |   |   |   |  |   |  |  |   |
| 04... | 1230 | 81213   | 1.5   | 4   | 4.4                                     | 8.0  | 86  | 7.3  | 7.4  | 90  |
| MAY   |      |   |   |   |   |  |   |  |  |   |
| 30... | 1200 | 81213   | 1.9   | 5   | 5.1                                     | 7.1  | 90  | 8.1  | 7.5  | 166   |
| JUN   |      |   |   |   |   |  |   |  |  |   |
| 12... | 1045 | 81213   | --  | --  | --                                      | 10.8   | 142   | 8.9  | --   | --  |
| 19... | 0930 | 81213   | --  | --  | --                                      | 7.1  | 93  | 8.0  | --   | --  |
| 26... | 1055 | 81213   | 2.7   | 20  | 3.1                                     | 8.3  | 111   | 7.8  | 7.5  | 136   |
| JUL   |      |   |   |   |   |  |   |  |  |   |
| 19... | 1100 | 81213   | 2.2   | 9   | 5.2                                     | 8.7  | 118   | 8.1  | 7.4  | 144   |
| AUG   |      |   |   |   |   |  |   |  |  |   |
| 02... | 1020 | 81213   | --  | --  | --                                      | 8.9  | 116   | 8.1  | --   | --  |
| 07... | 0745 | 81213   | --  | --  | --                                      | 9.7  | 129   | 8.7  | --   | --  |
| 14... | 0815 | 81213   | 1.8   | 6   | 3.6                                     | 6.1  | 81  | 7.5  | 7.4  | 122   |
| SEP   |      |   |   |   |   |  |   |  |  |   |
| 18... | 1230 | 81213   | 2.6   | 7   | 5.0                                     | 7.0  | 85  | 7.7  | 7.3  | 124   |
| 27... | 0830 | 81213   | --  | --  | --                                      | 5.6  | 67  | 7.1  | --   | --  |
| OCT   |      |   |   |   |   |  |   |  |  |   |
| 10... | 1210 | 81213   | --  | --  | --                                      | 8.1  | 90  | 7.5  | --   | --  |
| 12... | 0855 | 81213   | .8  | 4   | 4.4                                     | 6.9  | 75  | 7.0  | 7.6  | 133   |
| NOV   |      |   |   |   |   |  |   |  |  |   |
| 21... | 0940 | 81213   | .8  | 9   | 15                                      | 7.6  | 63  | 7.0  | 7.2  | 104   |
| DEC   |      |   |   |   |   |  |   |  |  |   |
| 12... | 1120 | 81213   | .6  | 5   | 5.3                                     | 9.7  | 86  | 7.4  | 7.3  | 137   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02338720 CHATTAHOOCHEE RIVER NEAR LAGRANGE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|---|---|--|---|---|---|--|---|
| JAN   |  |   |   |  |   |   |   |  |   |
| 20... | 106  | 12.0  | 11.6  | 25   | .09   | .9  | .060  | 2.6  | <20   |
| FEB   |  |   |   |  |   |   |   |  |   |
| 10... | 137  | 17.2  | 9.1   | 27   | .15   | 1.3   | .030  | 2.9  | --  |
| MAR   |  |   |   |  |   |   |   |  |   |
| 14... | 125  | 5.0   | 15.0  | --   | --  | --  | --  | --   | <20   |
| 21... | 137  | 18.0  | 16.3  | 24   | .18   | 1.6   | .040  | 3.2  | <20   |
| 28... | 90   | 12.3  | 17.3  | --   | --  | --  | --  | --   | 20  |
| APR   |  |   |   |  |   |   |   |  |   |
| 04... | 82   | 12.3  | 18.0  | 23   | .09   | .7  | <.020   | 2.7  | <20   |
| MAY   |  |   |   |  |   |   |   |  |   |
| 30... | 167  | 25.8  | 27.4  | 33   | .09   | 1.6   | .030  | 2.6  | <20   |
| JUN   |  |   |   |  |   |   |   |  |   |
| 12... | 160  | 29.6  | 28.6  | --   | --  | --  | --  | --   | <20   |
| 19... | 155  | 28.2  | 28.9  | --   | --  | --  | --  | --   | <20   |
| 26... | 141  | 31.2  | 29.9  | 28   | .13   | 1.5   | .080  | 2.2  | <20   |
| JUL   |  |   |   |  |   |   |   |  |   |
| 19... | 153  | 32.0  | 30.5  | 29   | .11   | 1.6   | .040  | 2.6  | <20   |
| AUG   |  |   |   |  |   |   |   |  |   |
| 02... | 130  | 25.7  | 28.8  | --   | --  | --  | --  | --   | <20   |
| 07... | 130  | 26.5  | 30.1  | --   | --  | --  | --  | --   | <20   |
| 14... | 122  | 20.2  | 29.0  | 25   | .06   | 1.2   | .040  | 2.6  | <20   |
| SEP   |  |   |   |  |   |   |   |  |   |
| 18... | 126  | 23.5  | 24.4  | 25   | .02   | 1.3   | .030  | 2.6  | <20   |
| 27... | 114  | 12.8  | 23.3  | --   | --  | --  | --  | --   | <20   |
| OCT   |  |   |   |  |   |   |   |  |   |
| 10... | 132  | 14.1  | 20.6  | --   | --  | --  | --  | --   | 20  |
| 12... | 134  | 8.4   | 19.5  | 26   | .11   | 1.3   | .030  | 2.7  | <20   |
| NOV   |  |   |   |  |   |   |   |  |   |
| 21... | 107  | 2.8   | 7.0   | 20   | .17   | 1.0   | .050  | 3.7  | --  |
| DEC   |  |   |   |  |   |   |   |  |   |
| 12... | 140  | 8.1   | 9.9   | 27   | .19   | 1.5   | .060  | 3.0  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02338720 CHATTAHOOCHEE RIVER NEAR LAGRANGE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) |
|--------------|------|---|---|---|--|--|---|---|--|--|---|
| MAR<br>21... | 1130 | 81213   | 7.4   | 76  | 7.2  | 137  | 18.0  | 16.3  | 8.2  | 1.8  | <1.0  |
| SEP<br>18... | 1230 | 81213   | 7.0   | 85  | 7.7  | 126  | 23.5  | 24.4  | 8.0  | 1.6  | <1.0  |

| DATE         | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|--|--|---|--|--|--|--|---|---|--|
| MAR<br>21... | <2.0   | <.5  | <1.0  | 1.2  | 1.1  | <.1  | <1.0   | <2.0  | <2.0  | 3.8  |
| SEP<br>18... | <4.0   | <.5  | <1.0  | 2.1  | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 2.6  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02338840 YELLOWJACKET CREEK NEAR HOGANSVILLE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°08'22", long 84°58'31", Troup County, Hydrologic Unit 03130002, at bridge on Hammett Road, 0.7 mile downstream of Flat Creek, 6.9 miles upstream of Beech Creek, and 5.8 miles southwest of Hogansville.

**DRAINAGE AREA.**--91.0 mi<sup>2</sup>.

**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.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>PH<br>SOLVED<br>WHOLE<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) |
|-------|------|---|---|---|--|---|---|--|--|--|---|---|---|
| JAN   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 20... | 1040 | 81213   | 82  | .7  | 18   | 20                                      | 9.8   | 87.4   | 7.0  | 7.1  | 56  | 58  | 8.5   |
| FEB   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 10... | 1050 | 81213   | 62  | .6  | 6  | 7.8                                     | 12.4  | 100  | 6.8  | 7.3  | 57  | 55  | 7.0   |
| MAR   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 14... | 1030 | 81213   | 70  | --  | --   | --                                      | 11.0  | 98.3   | 7.2  | --   | --  | 52  | 16.5  |
| 21... | 0950 | 81213   | 762   | 1.8   | 54   | 89                                      | 8.7   | 82.5   | 6.6  | 7.0  | 42  | 42  | 13.3  |
| 28... | 0720 | 81213   | 125   | --  | --   | --                                      | 8.8   | 85.9   | 6.8  | --   | --  | 55  | 1.6   |
| APR   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 04... | 1030 | 81213   | 497   | 1.6   | 83   | 81                                      | 8.1   | 84.1   | 6.9  | 7.1  | 46  | 44  | 9.4   |
| MAY   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 30... | 0925 | 81213   | 18  | .6  | 4  | 8.1                                     | 8.1   | 90.7   | 7.5  | 7.5  | 75  | 76  | 20.4  |
| JUN   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 12... | 0900 | 81213   | 10  | --  | --   | --                                      | 7.9   | 92.9   | 7.3  | --   | --  | 79  | 26.6  |
| 19... | 0815 | 81213   | 7.4   | --  | --   | --                                      | 7.4   | 87.6   | 7.2  | --   | --  | 80  | 24.0  |
| 26... | 0825 | 81213   | 5.9   | 1.4   | 23   | 16                                      | 7.1   | 84.3   | 7.3  | 7.5  | 77  | 83  | 23.5  |
| JUL   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 19... | 0900 | 81213   | 1.5   | .7  | 30   | 8.0                                     | 8.2   | 100  | 7.5  | 7.5  | 81  | 88  | 30.4  |
| AUG   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 02... | 0915 | 81213   | 4.7   | --  | --   | --                                      | 7.2   | 86.6   | 7.3  | --   | --  | 84  | 25.0  |
| 07... | 0625 | 81213   | 4.7   | --  | --   | --                                      | 6.6   | 79.6   | 7.0  | --   | --  | 81  | 20.2  |
| 14... | 0705 | 81213   | 3.1   | .4  | 3  | 5.2                                     | 7.0   | 77.3   | 7.0  | 7.8  | 87  | 88  | 13.6  |
| SEP   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 18... | 0945 | 81213   | 7.4   | .2  | 3  | 4.0                                     | 8.4   | 90.9   | 7.5  | 7.8  | 84  | 85  | 18.6  |
| 27... | 0650 | 81213   | 13  | --  | --   | --                                      | 8.7   | 87.7   | 6.9  | --   | --  | 74  | 7.8   |
| OCT   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 10... | 1040 | 81213   | 12  | --  | --   | --                                      | 10.4  | 94.0   | 7.6  | --   | --  | 71  | 12.6  |
| 12... | 0740 | 81213   | 9.4   | .4  | 3  | 4.6                                     | 10.3  | 88.8   | 6.8  | 7.6  | 70  | 71  | 0   |
| NOV   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 21... | 0810 | 81213   | 103   | .6  | 16   | 23                                      | 11.1  | 88.9   | 7.3  | 7.2  | 54  | 55  | -1.1  |
| DEC   |      |   |   |   |  |   |   |  |  |  |   |   |   |
| 12... | 1015 | 81213   | 34  | .5  | 5  | 5.7                                     | 10.3  | 90.0   | 7.4  | 7.4  | 63  | 64  | 6.8   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02338840 YELLOWJACKET CREEK NEAR HOGANSVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |   |  |   |
| 20... | 9.0   | 21   | .06   | .2  | <.020   | 2.8  | 220   |
| FEB   |   |  |   |   |   |  |   |
| 10... | 5.6   | 22   | .10   | .2  | <.020   | 2.0  | --  |
| MAR   |   |  |   |   |   |  |   |
| 14... | 10.0  | --   | --  | --  | --  | --   | 130   |
| 21... | 12.2  | 11   | .08   | .2  | .080  | 5.3  | 1700  |
| 28... | 12.8  | --   | --  | --  | --  | --   | 80  |
| APR   |   |  |   |   |   |  |   |
| 04... | 16.2  | 18   | .06   | .1  | .060  | 3.4  | 1300  |
| MAY   |   |  |   |   |   |  |   |
| 30... | 20.0  | 34   | .09   | .1  | <.020   | 2.7  | 20  |
| JUN   |   |  |   |   |   |  |   |
| 12... | 23.1  | --   | --  | --  | --  | --   | 50  |
| 19... | 23.4  | --   | --  | --  | --  | --   | 220   |
| 26... | 23.0  | 37   | .08   | .1  | <.020   | 2.3  | 220   |
| JUL   |   |  |   |   |   |  |   |
| 19... | 24.8  | 37   | .10   | .03   | <.020   | 1.1  | 50  |
| AUG   |   |  |   |   |   |  |   |
| 02... | 23.8  | --   | --  | --  | --  | --   | 130   |
| 07... | 24.1  | --   | --  | --  | --  | --   | 80  |
| 14... | 19.7  | 41   | .07   | .04   | <.020   | 2.2  | 110   |
| SEP   |   |  |   |   |   |  |   |
| 18... | 18.3  | 38   | .05   | .1  | <.020   | 2.6  | 70  |
| 27... | 15.4  | --   | --  | --  | --  | --   | <20   |
| OCT   |   |  |   |   |   |  |   |
| 10... | 10.7  | --   | --  | --  | --  | --   | 20  |
| 12... | 8.7   | 29   | .05   | .1  | <.020   | 2.1  | 490   |
| NOV   |   |  |   |   |   |  |   |
| 21... | 6.0   | 15   | .08   | .3  | .030  | 2.9  | --  |
| DEC   |   |  |   |   |   |  |   |
| 12... | 9.1   | 24   | .05   | .1  | <.020   | 2.2  | --  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02338840 YELLOWJACKET CREEK NEAR HOGANSVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) |
|--------------|------|---|---|--|---|--|--|---|---|--|--|---|--|
| MAR<br>21... | 0950 | 81213   | 762   | 8.7  | 82.5  | 6.6  | 42   | 13.3  | 12.2  | 2.9  | 1.3  | <1.0  | <2.0   |
| SEP<br>18... | 0945 | 81213   | 7.4   | 8.4  | 90.9  | 7.5  | 85   | 18.6  | 18.3  | 7.0  | 2.4  | <1.0  | <4.0   |

| DATE         | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|--|---|--|--|--|--|---|---|--|
| MAR<br>21... | <.5  | 2.6   | 1.8  | 3.9  | <.1  | <1.0   | <2.0  | <2.0  | 8.1  |
| SEP<br>18... | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02338930 BEECH CREEK AT HAMMETT ROAD, NEAR LA GRANGE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 33°05'32", long 84°59'02", Troup County, Hydrologic Unit 03130002, at the bridge on Hammett Road, 5.8 miles upstream from the confluence with Yellowjacket Creek, and 2.7 miles northeast of La Grange.

**DRAINAGE AREA.--**52.9 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|---|--|--|
| JAN   |      |   |   |   |   |   |   |   |  |  |
| 20... | 1120 | 81213   | 52  | .6  | 6   | 9.6                                     | 9.9   | 88  | 7.1  | 7.3  |
| FEB   |      |   |   |   |   |   |   |   |  |  |
| 10... | 1150 | 81213   | 42  | .6  | 3   | 6.0                                     | 12.2  | 100   | 7.1  | 7.3  |
| MAR   |      |   |   |   |   |   |   |   |  |  |
| 14... | 0955 | 81213   | 53  | --  | --  | --                                      | 10.1  | 90  | 7.2  | --   |
| 21... | 1035 | 81213   | 581   | 1.7   | 46  | 74                                      | 7.7   | 73  | 6.5  | 7.0  |
| 28... | 0800 | 81213   | 81  | --  | --  | --                                      | 8.5   | 84  | 7.0  | --   |
| APR   |      |   |   |   |   |   |   |   |  |  |
| 04... | 1120 | 81213   | 294   | 1.8   | 82  | 64                                      | 7.9   | 82  | 6.9  | 7.3  |
| MAY   |      |   |   |   |   |   |   |   |  |  |
| 30... | 1035 | 81213   | 17  | .7  | 5   | 9.2                                     | 7.8   | 87  | 7.5  | 7.5  |
| JUN   |      |   |   |   |   |   |   |   |  |  |
| 12... | 0930 | 81213   | 11  | --  | --  | --                                      | 7.1   | 82  | 7.4  | --   |
| 19... | 0845 | 81213   | 10  | --  | --  | --                                      | 6.6   | 79  | 7.3  | --   |
| 26... | 0920 | 81213   | 8.9   | 1.6   | 24  | 15                                      | 6.9   | 82  | 7.4  | 7.8  |
| JUL   |      |   |   |   |   |   |   |   |  |  |
| 19... | 0950 | 81213   | 4.2   | .7  | 8   | 10                                      | 6.3   | 76  | 7.6  | 7.6  |
| AUG   |      |   |   |   |   |   |   |   |  |  |
| 02... | 0930 | 81213   | 7.0   | --  | --  | --                                      | 6.4   | 76  | 7.2  | --   |
| 07... | 0655 | 81213   | 8.6   | --  | --  | --                                      | 5.8   | 69  | 7.1  | --   |
| 14... | 0735 | 81213   | 5.3   | .5  | 5   | 7.4                                     | 5.5   | 62  | 7.1  | 7.6  |
| SEP   |      |   |   |   |   |   |   |   |  |  |
| 18... | 1030 | 81213   | 9.4   | .8  | 4   | 12                                      | 7.4   | 79  | 7.5  | 7.6  |
| 27... | 0730 | 81213   | 11  | --  | --  | --                                      | 7.9   | 80  | 7.0  | --   |
| OCT   |      |   |   |   |   |   |   |   |  |  |
| 10... | 1110 | 81213   | 11  | --  | --  | --                                      | 10.4  | 93  | 7.4  | --   |
| 12... | 0810 | 81213   | 9.4   | .5  | 7   | 11                                      | 9.1   | 80  | 6.9  | 7.8  |
| NOV   |      |   |   |   |   |   |   |   |  |  |
| 21... | 0855 | 81213   | 59  | 1.0   | 11  | 14                                      | 10.1  | 83  | 7.1  | 7.1  |
| DEC   |      |   |   |   |   |   |   |   |  |  |
| 12... | 1035 | 81213   | 23  | .5  | 23  | 18                                      | 10.0  | 88  | 7.4  | 7.2  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02338930 BEECH CREEK AT HAMMETT ROAD, NEAR LA GRANGE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 20... | 56  | 56  | 10.5  | 9.2   | 23   | .07   | .1  | <.020   | 2.5  | 210   |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 10... | 56  | 56  | 11.0  | 6.1   | 24   | .12   | .1  | <.020   | 1.5  | --  |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 14... | --  | 51  | 14.0  | 10.4  | --   | --  | --  | --  | --   | 130   |
| 21... | 38  | 39  | 16.5  | 12.4  | 11   | .09   | .2  | .080  | 5.9  | 790   |
| 28... | --  | 56  | 4.5   | 13.6  | --   | --  | --  | --  | --   | 1400  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 04... | 49  | 47  | 12.2  | 16.3  | 20   | .11   | .1  | .100  | 4.2  | 2400  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 30... | 77  | 78  | 24.1  | 19.8  | 37   | .09   | .2  | .020  | 3.1  | 50  |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 12... | --  | 83  | 30.0  | 21.9  | --   | --  | --  | --  | --   | 330   |
| 19... | --  | 86  | 24.8  | 23.4  | --   | --  | --  | --  | --   | 70  |
| 26... | 84  | 91  | 27.6  | 23.0  | 40   | .05   | .2  | .030  | 2.0  | 80  |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 19... | 97  | 100   | 28.4  | 24.5  | 47   | .10   | .1  | <.020   | 1.3  | 80  |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 02... | --  | 89  | 25.2  | 23.3  | --   | --  | --  | --  | --   | 110   |
| 07... | --  | 84  | 21.6  | 24.2  | --   | --  | --  | --  | --   | 490   |
| 14... | 90  | 92  | 16.0  | 20.5  | 42   | .06   | .3  | .020  | 2.5  | 20  |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 18... | 91  | 94  | 21.9  | 18.0  | 42   | .02   | .2  | .020  | 3.1  | 490   |
| 27... | --  | 84  | 8.5   | 15.7  | --   | --  | --  | --  | --   | <20   |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 10... | --  | 78  | 15.1  | 10.3  | --   | --  | --  | --  | --   | 110   |
| 12... | 76  | 78  | 3.5   | 9.3   | 34   | .04   | .1  | <.020   | 2.4  | 220   |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 21... | 59  | 62  | 1.7   | 6.6   | 13   | .13   | .5  | .050  | 3.6  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 12... | 64  | 66  | 6.8   | 9.4   | 24   | .05   | .1  | <.020   | 2.5  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02338930 BEECH CREEK AT HAMMETT ROAD, NEAR LA GRANGE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME  | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION)<br>(00301)   | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)       | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)       | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|---|---|---|---|--|--|--|--|---|--|--|
| MAR<br>21... | 1035  | 81213   | 581   | 7.7   | 73   | 6.5  | 39   | 16.5   | 12.4  | 2.4  | 1.1  |
| SEP<br>18... | 1030  | 81213   | 9.4   | 7.4   | 79   | 7.5  | 94   | 21.9   | 18.0  | 8.1  | 2.9  |
| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002)                    | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027)    | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034)   | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051)     | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059)              | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092)           |
| MAR<br>21... | <1.0  | <2.0  | <.5   | 2.1   | 1.9  | 3.4  | <.1  | <1.0   | <2.0  | <2.0   | 3.8  |
| SEP<br>18... | <1.0  | <4.0  | <.5   | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0   | <2.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°53'10", long 85°10'56", Troup County, Hydrologic Unit 03130002, at the bridge on US Highway 29, at West Point, and at mile 198.9.

**DRAINAGE AREA.**--3,550 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--February 1968 to December 1996, January 2000 to December 2000 (discontinued).

**REMARKS.**--The gaging station for this site is located on the right bank of the river, just downstream from Oselige Creek and 1.0 mile upstream of the US Highway 29 bridge. The flow at this station is regulated by Lake Sidney Lanier (station 02334400) and West Point Lake (station 02339400). 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST-<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>ARDS)<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>ARDS)<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|---|---|---|
| JAN   |      |   |   |   |   |   |   |   |   |   |
| 25... | 1330 | 81213   | 1050  | 1.0   | 4   | 4.3                                     | 10.7  | 95  | 7.1   | 7.5   |
| FEB   |      |   |   |   |   |   |   |   |   |   |
| 08... | 1300 | 81213   | 1020  | --  | --  | --                                      | 12.0  | 102   | 7.6   | --  |
| 15... | 1330 | 81213   | 1090  | 1.4   | 3   | 4.0                                     | 11.5  | 102   | 7.6   | 7.5   |
| 22... | 1245 | 81213   | 8840  | --  | --  | --                                      | 11.3  | 101   | 7.5   | --  |
| MAR   |      |   |   |   |   |   |   |   |   |   |
| 28... | 1325 | 81213   | 1100  | 1.0   | 2   | 2.0                                     | 11.2  | 116   | 7.2   | 7.4   |
| APR   |      |   |   |   |   |   |   |   |   |   |
| 25... | 1145 | 81213   | 929   | .5  | 2   | 1.2                                     | 8.3   | 87  | 7.4   | 7.4   |
| MAY   |      |   |   |   |   |   |   |   |   |   |
| 30... | 1330 | 81213   | 9930  | 2.4   | 10  | 5.4                                     | 6.7   | 82  | 7.4   | 7.2   |
| JUN   |      |   |   |   |   |   |   |   |   |   |
| 06... | 1330 | 81213   | 898   | --  | --  | --                                      | 7.6   | 94  | 7.6   | --  |
| 20... | 1340 | 81213   | 12000   | --  | --  | --                                      | 4.6   | 56  | 6.7   | --  |
| 27... | 1130 | 81213   | 866   | .9  | 1   | 1.5                                     | 6.1   | 76  | 7.6   | 7.6   |
| JUL   |      |   |   |   |   |   |   |   |   |   |
| 26... | 1200 | 81213   | 1030  | .8  | 1   | 1.8                                     | 5.5   | 72  | 7.6   | 7.7   |
| AUG   |      |   |   |   |   |   |   |   |   |   |
| 29... | 1345 | 81213   | 7750  | .9  | 6   | 5.4                                     | 5.7   | 75  | 7.4   | 7.4   |
| SEP   |      |   |   |   |   |   |   |   |   |   |
| 05... | 1330 | 81213   | 8360  | --  | --  | --                                      | 4.2   | 55  | 7.2   | --  |
| 19... | 1530 | 81213   | 8210  | 1.5   | 6   | 4.3                                     | 5.6   | 70  | 7.4   | 7.5   |
| 28... | 0945 | 81213   | 798   | --  | --  | --                                      | 6.6   | 77  | 7.3   | --  |
| OCT   |      |   |   |   |   |   |   |   |   |   |
| 03... | 1315 | 81213   | 798   | --  | --  | --                                      | 8.5   | 103   | 7.4   | --  |
| 17... | 1320 | 81213   | 817   | --  | --  | --                                      | 9.0   | 103   | 7.6   | --  |
| 24... | 1215 | 81213   | 836   | 2.9   | 2   | .7                                      | 9.2   | 104   | 7.5   | 7.5   |
| NOV   |      |   |   |   |   |   |   |   |   |   |
| 27... | 1430 | 81213   | 985   | .4  | <1  | 1.6                                     | 8.6   | 87  | 7.3   | 7.5   |
| DEC   |      |   |   |   |   |   |   |   |   |   |
| 05... | 1335 | 81213   | 1140  | .9  | <1  | 1.7                                     | 10.7  | 102   | 7.2   | 7.5   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |  |   |   |   |  |   |
| 25... | 126   | 127  | 4.0   | 9.5   | 28   | .07   | 1.1   | <.020   | 2.4  | <20   |
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 08... | --  | 128  | 17.5  | 8.2   | --   | --  | --  | --  | --   | <20   |
| 15... | 116   | 116  | 21.5  | 9.9   | 26   | .06   | 1.1   | <.020   | 2.6  | <20   |
| 22... | --  | 119  | 19.5  | 10.6  | --   | --  | --  | --  | --   | <20   |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 28... | 112   | 112  | 25.5  | 15.5  | 24   | .10   | .9  | <.020   | 1.9  | --  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 25... | 103   | 104  | 16.5  | 17.2  | 23   | .05   | 1.0   | <.020   | 2.2  | --  |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 30... | 100   | 99   | 33.6  | 24.9  | 23   | .09   | .7  | .030  | 2.5  | <20   |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 06... | --  | 99   | 28.8  | 25.9  | --   | --  | --  | --  | --   | 70  |
| 20... | --  | 111  | 33.5  | 24.6  | --   | --  | --  | --  | --   | <20   |
| 27... | 114   | 119  | 33.5  | 26.8  | 27   | .12   | .7  | <.020   | 2.5  | 20  |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 26... | 126   | 127  | 31.0  | 28.5  | 31   | .13   | .6  | <.020   | 2.2  | --  |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 29... | 125   | 128  | 32.6  | 29.4  | 32   | .32   | .5  | .030  | 2.3  | 20  |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 05... | --  | 130  | 30.5  | 28.0  | --   | --  | --  | --  | --   | <20   |
| 19... | 119   | 119  | 33.5  | 25.6  | 27   | .07   | .8  | .020  | 2.6  | 20  |
| 28... | --  | 123  | 18.5  | 22.9  | --   | --  | --  | --  | --   | <20   |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 03... | --  | 122  | 29.9  | 24.4  | --   | --  | --  | --  | --   | 36  |
| 17... | --  | 122  | 29.0  | 21.6  | --   | --  | --  | --  | --   | 20  |
| 24... | 122   | 124  | 24.8  | 21.2  | 27   | .05   | .9  | <.020   | 2.6  | 20  |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 27... | 118   | 121  | 16.5  | 15.2  | 26   | .12   | .9  | .020  | 2.4  | --  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 05... | 126   | 128  | 14.0  | 13.0  | 26   | .09   | 1.1   | <.020   | 3.0  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|---|---|
| JUN<br>27... | 1130 | 81213   | 866   | 6.1   | 76  | 7.6  | 119  | 33.5  | 26.8  | 7.1   | 1.7   |
| OCT<br>24... | 1215 | 81213   | 836   | 9.2   | 104   | 7.5  | 124  | 24.8  | 21.2  | 7.6   | 1.5   |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| JUN<br>27... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 1.7  |
| OCT<br>24... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 2.3  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02339720 LONG CANE CREEK NEAR WEST POINT, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°54'37", long 85°08'43", Troup County, Hydrologic Unit 03130002, at the bridge on Webb Road, and 2.5 miles northeast of West Point.

**DRAINAGE AREA.**--74.8 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--July 1974 to December 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>CENT<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>UNITS)<br>(00403) |     |
|-------|------|---|---|---|--|---|--|---|---|-----|
| JAN   |      |   |   |   |  |   |  |   |   |     |
| 25... | 1155 | 81213   | 415   | .8  | 9  | 22                                      | 10.5   | 81  | 6.7   | 7.1 |
| FEB   |      |   |   |   |  |   |  |   |   |     |
| 08... | 1140 | 81213   | 168   | --  | --   | --                                      | 11.4   | 90  | 7.0   | --  |
| 15... | 1155 | 81213   | 354   | 2.4   | 20   | 32                                      | 8.3  | 78  | 7.1   | 7.1 |
| 22... | 1130 | 81213   | 130   | --  | --   | --                                      | 10.2   | 90  | 7.3   | --  |
| MAR   |      |   |   |   |  |   |  |   |   |     |
| 28... | 1130 | 81213   | 274   | 1.1   | 14   | 16                                      | 11.2   | 116   | 7.1   | 7.3 |
| APR   |      |   |   |   |  |   |  |   |   |     |
| 25... | 1030 | 81213   | 366   | .6  | 14   | 14                                      | 8.2  | 84  | 7.5   | 7.4 |
| MAY   |      |   |   |   |  |   |  |   |   |     |
| 30... | 1155 | 81213   | 68  | 1.5   | 13   | 15                                      | 6.4  | 74  | 7.3   | 7.4 |
| JUN   |      |   |   |   |  |   |  |   |   |     |
| 06... | 1130 | 81213   | 10  | --  | --   | --                                      | 6.2  | 74  | 7.5   | --  |
| 20... | 1230 | 81213   | 4.8   | --  | --   | --                                      | 6.3  | 79  | 6.9   | --  |
| 27... | 0950 | 81213   | 15  | 1.1   | 16   | 13                                      | 6.1  | 73  | 7.3   | 7.8 |
| JUL   |      |   |   |   |  |   |  |   |   |     |
| 26... | 1020 | 81213   | 4.4   | .7  | 8  | 9.8                                     | 5.9  | 71  | 7.4   | 7.6 |
| AUG   |      |   |   |   |  |   |  |   |   |     |
| 29... | 1230 | 81213   | 16  | .7  | 6  | 6.4                                     | 6.1  | 77  | 7.5   | 7.4 |
| SEP   |      |   |   |   |  |   |  |   |   |     |
| 05... | 1230 | 81213   | 18  | --  | --   | --                                      | 6.3  | 78  | 7.1   | --  |
| 19... | 1430 | 81213   | 15  | 2.2   | 33   | 19                                      | 6.4  | 75  | 7.4   | 7.6 |
| 28... | 1120 | 81213   | 39  | --  | --   | --                                      | 6.1  | 65  | 7.2   | --  |
| OCT   |      |   |   |   |  |   |  |   |   |     |
| 03... | 1220 | 81213   | 36  | --  | --   | --                                      | 6.4  | 70  | 7.1   | --  |
| 17... | 1230 | 81213   | 33  | --  | --   | --                                      | 7.1  | 71  | 7.1   | --  |
| 24... | 1040 | 81213   | 24  | 3.6   | 14   | 11                                      | 4.8  | 50  | 7.4   | 7.5 |
| NOV   |      |   |   |   |  |   |  |   |   |     |
| 27... | 1315 | 81213   | 155   | .8  | 4  | 11                                      | 8.4  | 75  | 6.8   | 7.2 |
| DEC   |      |   |   |   |  |   |  |   |   |     |
| 05... | 1235 | 81213   | 72  | .8  | 2  | 6.0                                     | 10.5   | 84  | 7.1   | 7.4 |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02339720 LONG CANE CREEK NEAR WEST POINT, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |  |   |   |   |  |   |
| 25... | 61  | 60   | 4.5   | 4.1   | 21   | .07   | .1  | .040  | 3.8  | <20   |
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 08... | --  | 77   | 17.5  | 5.6   | --   | --  | --  | --  | --   | 50  |
| 15... | 67  | 68   | 18.5  | 12.1  | 23   | .07   | .1  | .070  | 3.1  | 490   |
| 22... | --  | 84   | 17.0  | 10.0  | --   | --  | --  | --  | --   | 60  |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 28... | 88  | 89   | 23.0  | 15.5  | 33   | .08   | .1  | .040  | 2.8  | --  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 25... | 81  | 83   | 20.0  | 15.6  | 33   | .06   | .1  | .040  | 2.4  | --  |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 30... | 92  | 92   | 28.8  | 22.0  | 37   | .12   | .2  | .060  | 3.9  | 230   |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 06... | --  | 110  | 28.4  | 23.4  | --   | --  | --  | --  | --   | 130   |
| 20... | --  | 128  | 37.0  | 26.8  | --   | --  | --  | --  | --   | 230   |
| 27... | 109   | 114  | 26.9  | 23.9  | 46   | .09   | .1  | .060  | 2.5  | 270   |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 26... | 107   | 110  | 28.0  | 24.1  | 39   | .15   | .1  | .060  | 3.0  | --  |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 29... | 99  | 102  | 32.5  | 26.0  | 34   | .08   | .1  | .060  | 2.8  | 80  |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 05... | --  | 99   | 30.0  | 24.5  | --   | --  | --  | --  | --   | 170   |
| 19... | 112   | 98   | 32.0  | 22.8  | 46   | .02   | .1  | .100  | 3.1  | 40  |
| 28... | --  | 105  | 19.0  | 18.2  | --   | --  | --  | --  | --   | 170   |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 03... | --  | 109  | 32.1  | 19.4  | --   | --  | --  | --  | --   | 790   |
| 17... | --  | 104  | 28.5  | 14.9  | --   | --  | --  | --  | --   | 110   |
| 24... | 116   | 119  | 20.9  | 17.1  | 47   | .03   | <.020   | .060  | 3.7  | 330   |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 27... | 78  | 80   | 17.9  | 10.2  | 20   | .09   | .1  | .040  | 4.4  | --  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 05... | 96  | 96   | 12.5  | 5.6   | 29   | .06   | .04   | <.020   | 3.2  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02339720 LONG CANE CREEK NEAR WEST POINT, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE NUMBER<br>(CODE NUMBER)<br>(00028) | DIS-CHARGE, INST. CUBIC FEET PER SECOND<br>(00061) | OXYGEN, DIS-SOLVED (MG/L)<br>(00300) | OXYGEN, DIS-SOLVED (PER-CENT SATURATION)<br>(00301) | PH WATER WHOLE FIELD (STANDARD UNITS)<br>(00400) | SPE-CIFIC CON-DUCTANCE<br>(US/CM)<br>(00095) | TEMPER-ATURE AIR<br>(DEG C)<br>(00020) | TEMPER-ATURE WATER<br>(DEG C)<br>(00010) | CALCIUM TOTAL RECOV-ERABLE<br>(MG/L AS CA)<br>(00916) | MAGNE-SIUM, TOTAL RECOV-ERABLE<br>(MG/L AS MG)<br>(00927) |
|-----------|------|---|--|--------------------------------------|---|--|--|--|--|---|---|
| JUN 27... | 0950 | 81213   | 15   | 6.1                                  | 73  | 7.3  | 114  | 26.9                                   | 23.9                                     | 9.6   | 3.9   |
| OCT 24... | 1040 | 81213   | 24   | 4.8                                  | 50  | 7.4  | 119  | 20.9                                   | 17.1                                     | 9.7   | 4.0   |

| DATE      | ANTI-MONY, TOTAL<br>(UG/L AS SB)<br>(01097) | ARSENIC TOTAL<br>(UG/L AS AS)<br>(01002) | CADMIUM WATER UNFLTRD TOTAL<br>(UG/L AS CD)<br>(01027) | CHRO-MIUM, TOTAL RECOV-ERABLE<br>(UG/L AS CR)<br>(01034) | COPPER, TOTAL RECOV-ERABLE<br>(UG/L AS CU)<br>(01042) | LEAD, TOTAL RECOV-ERABLE<br>(UG/L AS PB)<br>(01051) | MERCURY TOTAL RECOV-ERABLE<br>(UG/L AS HG)<br>(71900) | NICKEL, TOTAL RECOV-ERABLE<br>(UG/L AS NI)<br>(01067) | SELE-NIUM, TOTAL RECOV-ERABLE<br>(UG/L AS SE)<br>(01147) | THAL-LIUM, TOTAL RECOV-ERABLE<br>(UG/L AS TL)<br>(01059) | ZINC, TOTAL RECOV-ERABLE<br>(UG/L AS ZN)<br>(01092) |
|-----------|---|--|--|--|---|---|---|---|--|--|---|
| JUN 27... | <1.0  | <2.0                                     | <.5  | <1.0   | <1.0  | <1.0  | <.1   | 1.1   | <2.0   | <2.0   | 12  |
| OCT 24... | <1.0  | <4.0                                     | <.5  | <1.0   | <2.0  | <2.0  | <.1   | <1.0  | <4.0   | <2.0   | 6.8   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02340250 FLAT SHOAL CREEK NEAR WEST POINT, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 32°53'53", long 85°04'41", Troup County, Hydrologic Unit 03130002, at bridge on Georgia Highway 18, 5.0 miles east of Interstate Highway 85, near West Point.

**DRAINAGE AREA.--**204 mi<sup>2</sup>.

**PERIOD OF RECORD.--**April 1995 to December 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>(00301) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|---|--|---|---|
| JAN   |      |   |   |   |  |   |   |  |   |   |
| 25... | 1030 | 81213   | 330   | .8  | 20   | 30                                      | 11.8  | 92   | 6.5   | 6.9   |
| FEB   |      |   |   |   |  |   |   |  |   |   |
| 08... | 1000 | 81213   | 114   | --  | --   | --                                      | 12.3  | 96   | 6.7   | --  |
| 15... | 1015 | 81213   | 164   | 1.9   | 16   | 17                                      | 10.0  | 91   | 7.1   | 7.1   |
| 22... | 1030 | 81213   | 89  | --  | --   | --                                      | 11.7  | 101  | 7.0   | --  |
| MAR   |      |   |   |   |  |   |   |  |   |   |
| 28... | 1020 | 81213   | 195   | 1.1   | 18   | 20                                      | 13.1  | 130  | 6.7   | 7.1   |
| APR   |      |   |   |   |  |   |   |  |   |   |
| 25... | 0925 | 81213   | 116   | .6  | 11   | 11                                      | 9.1   | 93   | 7.2   | 7.1   |
| MAY   |      |   |   |   |  |   |   |  |   |   |
| 30... | 1020 | 81213   | 49  | 8.5   | 12   | 13                                      | 7.9   | 90   | 7.2   | 7.2   |
| JUN   |      |   |   |   |  |   |   |  |   |   |
| 06... | 0915 | 81213   | 42  | --  | --   | --                                      | 7.8   | 90   | 7.3   | --  |
| 20... | 1130 | 81213   | 36  | --  | --   | --                                      | 7.8   | 97   | 6.7   | --  |
| 27... | 0840 | 81213   | 36  | 4.4   | 4  | 5.0                                     | 7.6   | 95   | 7.2   | 7.6   |
| JUL   |      |   |   |   |  |   |   |  |   |   |
| 26... | 0940 | 81213   | 34  | .4  | 6  | 9.1                                     | 5.8   | 68   | 7.2   | 7.5   |
| AUG   |      |   |   |   |  |   |   |  |   |   |
| 29... | 1055 | 81213   | 28  | .4  | 3  | 4.4                                     | 7.6   | 95   | 7.5   | 7.3   |
| SEP   |      |   |   |   |  |   |   |  |   |   |
| 05... | 1130 | 81213   | 30  | --  | --   | --                                      | 8.5   | 105  | 7.6   | --  |
| 19... | 1300 | 81213   | 25  | 1.2   | 3  | 2.6                                     | 7.9   | 96   | 7.7   | 7.4   |
| 28... | 0900 | 81213   | 30  | --  | --   | --                                      | 9.0   | 90   | 7.2   | --  |
| OCT   |      |   |   |   |  |   |   |  |   |   |
| 03... | 1130 | 81213   | 27  | --  | --   | --                                      | 9.0   | 99   | 6.9   | --  |
| 17... | 1130 | 81213   | 27  | --  | --   | --                                      | 9.9   | 101  | 7.2   | --  |
| 24... | 0925 | 81213   | 25  | 7.7   | 1  | 1.9                                     | 9.1   | 89   | 7.1   | 7.3   |
| NOV   |      |   |   |   |  |   |   |  |   |   |
| 27... | 1200 | 81213   | 92  | .7  | 5  | 8.3                                     | 10.7  | 94   | 6.7   | 7.0   |
| DEC   |      |   |   |   |  |   |   |  |   |   |
| 05... | 1145 | 81213   | 53  | .7  | 2  | 4.9                                     | 12.8  | 99   | 6.9   | 7.1   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02340250 FLAT SHOAL CREEK NEAR WEST POINT, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|---|---|---|---|--|---|
| JAN   |   |   |   |   |   |   |   |   |  |   |
| 25... | 37  | 37  | 3.0   | 4.3   | 11  | .10   | .3  | .040  | 1.7  | 490   |
| FEB   |   |   |   |   |   |   |   |   |  |   |
| 08... | --  | 41  | 14.0  | 4.8   | --  | --  | --  | --  | --   | <20   |
| 15... | 38  | 38  | 11.5  | 10.9  | 13  | .04   | .2  | .020  | 2.2  | 330   |
| 22... | --  | 40  | 16.0  | 8.9   | --  | --  | --  | --  | --   | 110   |
| MAR   |   |   |   |   |   |   |   |   |  |   |
| 28... | 38  | 38  | 20.0  | 14.0  | 12  | .05   | .2  | .030  | 1.8  | --  |
| APR   |   |   |   |   |   |   |   |   |  |   |
| 25... | 40  | 40  | 16.0  | 15.2  | 15  | .02   | .2  | <.020   | 1.4  | --  |
| MAY   |   |   |   |   |   |   |   |   |  |   |
| 30... | 45  | 44  | 24.3  | 20.8  | 16  | .07   | .3  | .030  | 2.2  | 940   |
| JUN   |   |   |   |   |   |   |   |   |  |   |
| 06... | --  | 44  | 22.2  | 21.6  | --  | --  | --  | --  | --   | 330   |
| 20... | --  | 45  | 32.0  | 26.4  | --  | --  | --  | --  | --   | 110   |
| 27... | 44  | 45  | 24.8  | 26.3  | 17  | .04   | .3  | <.020   | 1.2  | 330   |
| JUL   |   |   |   |   |   |   |   |   |  |   |
| 26... | 47  | 44  | 22.5  | 23.4  | 17  | .12   | .2  | <.020   | 1.6  | --  |
| AUG   |   |   |   |   |   |   |   |   |  |   |
| 29... | 42  | 43  | 28.5  | 26.1  | 15  | .17   | .2  | .020  | 1.6  | 230   |
| SEP   |   |   |   |   |   |   |   |   |  |   |
| 05... | --  | 42  | 27.9  | 25.0  | --  | --  | --  | --  | --   | 170   |
| 19... | 41  | 41  | 29.9  | 24.7  | 15  | .02   | .2  | <.020   | 2.0  | 80  |
| 28... | --  | 54  | 12.7  | 14.9  | --  | --  | --  | --  | --   | 700   |
| OCT   |   |   |   |   |   |   |   |   |  |   |
| 03... | --  | 48  | 25.7  | 19.2  | --  | --  | --  | --  | --   | 590   |
| 17... | --  | 44  | 26.0  | 15.9  | --  | --  | --  | --  | --   | 110   |
| 24... | 46  | 46  | 17.5  | 14.8  | 16  | .02   | .02   | <.020   | 2.4  | 130   |
| NOV   |   |   |   |   |   |   |   |   |  |   |
| 27... | 56  | 57  | 16.2  | 9.2   | 9   | .07   | .4  | <.020   | 2.5  | --  |
| DEC   |   |   |   |   |   |   |   |   |  |   |
| 05... | 52  | 52  | 9.5   | 4.4   | 11  | .06   | .2  | <.020   | 2.4  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02340250 FLAT SHOAL CREEK NEAR WEST POINT, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) | DIS-CHARGE, INST. CUBIC FEET PER SECOND | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN, (PER-CENT SATURATION) | PH WATER WHOLE FIELD (STANDARD UNITS) | SPECIFIC CONDUCTANCE (US/CM) | TEMPERATURE AIR (DEG C) | TEMPERATURE WATER (DEG C) | CALCIUM TOTAL RECOVERABLE (MG/L AS CA) | MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) |
|-----------|------|--|---|---------------------------|-------------------------------|---------------------------------------|------------------------------|-------------------------|---------------------------|--|---|
| JUN 27... | 0840 | 81213                                  | 36                                      | 7.6                       | 95                            | 7.2                                   | 45                           | 24.8                    | 26.3                      | 2.5                                    | 1.3                                       |
| OCT 24... | 0925 | 81213                                  | 25                                      | 9.1                       | 89                            | 7.1                                   | 46                           | 17.5                    | 14.8                      | 2.2                                    | 1.3                                       |

| DATE      | ANTI-MONY, TOTAL (UG/L AS SB) | ARSENIC TOTAL (UG/L AS AS) | CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) | SELENIUM, TOTAL (UG/L AS SE) | THALIUM, TOTAL (UG/L AS TL) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) |
|-----------|-------------------------------|----------------------------|--|--|--|--------------------------------------|--|--|------------------------------|-----------------------------|--------------------------------------|
| JUN 27... | <1.0                          | <2.0                       | <.5                                      | <1.0                                     | <1.0                                   | <1.0                                 | <.1                                    | <1.0                                   | <2.0                         | <2.0                        | 1.3                                  |
| OCT 24... | <1.0                          | <4.0                       | <.5                                      | <1.0                                     | <2.0                                   | <2.0                                 | <.1                                    | <1.0                                   | <4.0                         | <2.0                        | <2.0                                 |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02340500 MOUNTAIN OAK CREEK NEAR HAMILTON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°44'28", long 85°04'08", Harris County, Hydrologic Unit 03130002, at the bridge on Georgia Highway 103, 5.0 miles upstream from mouth, and 11.0 miles west of Hamilton.

**DRAINAGE AREA.**--61.7 mi<sup>2</sup>.

**PERIOD OF RECORD.**--April 1995 to December 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY ANA-LYZING SAMPLE NUMBER (00028) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530) | TUR-BID-ITY (NTU) (00076) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400) | PH WATER WHOLE LAB (STAND-ARD UNITS) (00403) |
|-------|------|---|---|---|--|---------------------------|-----------------------------------|---|--|--|
| JAN   |      |   |   |   |  |                           |                                   |   |  |  |
| 25... | 1505 | 81213                                   | 101   | .8  | 15   | 23                        | 12.0                              | 98  | 6.5  | 7.0  |
| FEB   |      |   |   |   |  |                           |                                   |   |  |  |
| 08... | 1450 | 81213                                   | 59  | --  | --   | --                        | 12.6                              | 104   | 7.2  | --   |
| 15... | 1530 | 81213                                   | 67  | 2.8   | 11   | 15                        | 10.7                              | 100   | 7.2  | 7.2  |
| 22... | 1400 | 81213                                   | 50  | --  | --   | --                        | 11.9                              | 105   | 7.2  | --   |
| MAR   |      |   |   |   |  |                           |                                   |   |  |  |
| 28... | 1520 | 81213                                   | 75  | .8  | 21   | 21                        | 10.9                              | 113   | 7.1  | 7.2  |
| APR   |      |   |   |   |  |                           |                                   |   |  |  |
| 25... | 1350 | 81213                                   | 47  | .5  | 14   | 14                        | 9.4                               | 96  | 7.3  | 7.2  |
| MAY   |      |   |   |   |  |                           |                                   |   |  |  |
| 30... | 1445 | 81213                                   | 11  | 1.1   | 11   | 11                        | 8.0                               | 93  | 7.4  | 7.3  |
| JUN   |      |   |   |   |  |                           |                                   |   |  |  |
| 06... | 1440 | 81213                                   | 19  | --  | --   | --                        | 8.3                               | 98  | 7.4  | --   |
| 20... | 1440 | 81213                                   | 13  | --  | --   | --                        | 8.0                               | 101   | 7.2  | --   |
| 27... | 1315 | 81213                                   | 14  | .8  | 8  | 9.9                       | 7.9                               | 98  | 6.9  | 7.7  |
| JUL   |      |   |   |   |  |                           |                                   |   |  |  |
| 26... | 1350 | 81213                                   | 13  | .8  | 10   | 13                        | 8.1                               | 99  | 7.3  | 7.3  |
| AUG   |      |   |   |   |  |                           |                                   |   |  |  |
| 29... | 1600 | 81213                                   | 11  | .6  | 8  | 19                        | 7.8                               | 99  | 7.3  | 7.4  |
| SEP   |      |   |   |   |  |                           |                                   |   |  |  |
| 05... | 1450 | 81213                                   | 18  | --  | --   | --                        | 7.7                               | 95  | 7.2  | --   |
| 20... | 0630 | 81213                                   | 6.6   | .5  | 8  | 7.0                       | 7.9                               | 88  | 7.3  | 7.5  |
| 28... | 0800 | 81213                                   | 11  | --  | --   | --                        | 8.9                               | 91  | 7.3  | --   |
| OCT   |      |   |   |   |  |                           |                                   |   |  |  |
| 03... | 1415 | 81213                                   | 8.9   | --  | --   | --                        | 9.8                               | 112   | 7.2  | --   |
| 17... | 1430 | 81213                                   | 14  | --  | --   | --                        | 9.6                               | 100   | 7.2  | --   |
| 24... | 1400 | 81213                                   | 12  | 8.6   | 4  | 5.7                       | 7.9                               | 85  | 7.4  | 7.2  |
| NOV   |      |   |   |   |  |                           |                                   |   |  |  |
| 27... | 1545 | 81213                                   | 34  | 1.2   | 2  | 7.1                       | 11.3                              | 100   | 6.8  | 7.1  |
| DEC   |      |   |   |   |  |                           |                                   |   |  |  |
| 05... | 1450 | 81213                                   | 21  | 1.0   | 2  | 4.4                       | 13.5                              | 107   | 7.1  | 7.2  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02340500 MOUNTAIN OAK CREEK NEAR HAMILTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 25... | 42  | 42  | 7.0   | 5.9   | 13   | .08   | .2  | .040  | 2.1  | 80  |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 08... | --  | 45  | 20.5  | 6.8   | --   | --  | --  | --  | --   | 170   |
| 15... | 43  | 43  | 23.0  | 12.0  | 15   | .05   | .2  | .020  | 2.0  | 130   |
| 22... | --  | 46  | 19.5  | 9.9   | --   | --  | --  | --  | --   | 170   |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 28... | 43  | 43  | 26.5  | 15.8  | 16   | .06   | .2  | .040  | 1.2  | --  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 25... | 43  | 43  | 16.0  | 15.4  | 16   | .02   | .2  | .030  | 1.2  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 30... | 46  | 44  | 30.6  | 21.8  | 17   | .06   | .2  | .030  | 2.1  | 220   |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 06... | --  | 47  | 28.3  | 23.2  | --   | --  | --  | --  | --   | 230   |
| 20... | --  | 44  | 39.0  | 26.2  | --   | --  | --  | --  | --   | 220   |
| 27... | 49  | 55  | 30.6  | 25.4  | 21   | .06   | .1  | <.020   | 1.3  | 130   |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 26... | 46  | 46  | 30.0  | 24.5  | 17   | .14   | .1  | .020  | 2.2  | --  |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 29... | 44  | 44  | 32.3  | 26.5  | 18   | .06   | .1  | .030  | 2.1  | 70  |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 05... | --  | 43  | 28.6  | 24.9  | --   | --  | --  | --  | --   | 230   |
| 20... | 51  | 52  | 20.0  | 19.9  | 22   | .02   | .1  | .020  | 2.2  | <20   |
| 28... | --  | 52  | 9.5   | 16.3  | --   | --  | --  | --  | --   | 130   |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 03... | --  | 51  | 30.2  | 20.9  | --   | --  | --  | --  | --   | 460   |
| 17... | --  | 51  | 28.9  | 16.6  | --   | --  | --  | --  | --   | 140   |
| 24... | 54  | 55  | 23.6  | 18.4  | 23   | .03   | <.020   | <.020   | 4.0  | 230   |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 27... | 48  | 49  | 15.6  | 9.4   | 17   | .14   | .1  | .020  | 2.9  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 05... | 50  | 49  | 13.0  | 5.3   | 19   | .08   | .1  | <.020   | 2.0  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02340500 MOUNTAIN OAK CREEK NEAR HAMILTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)     | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                    | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |  |
|--------------|------|---|---|---|---|--|--|--|--|--|--|--|
| DATE         |      | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097)             | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002)                        | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027)                  | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034)           | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042)   | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147)              | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059)                      | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
| JUN<br>27... | 1315 | 81213   | 14  | 7.9   | 98  | 6.9  | 55   | 30.6   | 25.4   | 2.9  | 1.6  |  |
| OCT<br>24... | 1400 | 81213   | 12  | 7.9   | 85  | 7.4  | 55   | 23.6   | 18.4   | 3.3  | 1.9  |  |
| JUN<br>27... | <1.0 | <2.0  | <.5   | <1.0  | <1.0  | <1.0   | <.1  | <1.0   | <2.0   | <2.0   | 2.8  |  |
| OCT<br>24... | <1.0 | <4.0  | <.5   | <1.0  | <2.0  | <2.0   | <.1  | <1.0   | <4.0   | <2.0   | <2.0   |  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02341220 MULBERRY CREEK NEAR MULBERRY GROVE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°42'11", long 84°57'29", Harris County, Hydrologic Unit 03130002, at the bridge on Hamilton-Mulberry Grove Road 2.5 miles north of Mulberry Grove.

**DRAINAGE AREA.**--190 mi<sup>2</sup>.

**PERIOD OF RECORD.**--April 1995 to December 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|--|---|--|--|
| JAN   |      |   |   |   |   |   |  |   |  |  |
| 25... | 1610 | 81213   | 315   | 1.6   | 42  | 56                                      | 12.0   | 98  | 6.4  | 6.9  |
| FEB   |      |   |   |   |   |   |  |   |  |  |
| 08... | 1545 | 81213   | 104   | --  | --  | --                                      | 12.9   | 108   | 7.3  | --   |
| 15... | 1710 | 81213   | 124   | 2.2   | 17  | 22                                      | 10.3   | 101   | 7.3  | 7.3  |
| 22... | 1520 | 81213   | 87  | --  | --  | --                                      | 11.7   | 111   | 7.6  | --   |
| MAR   |      |   |   |   |   |   |  |   |  |  |
| 28... | 1650 | 81213   | 174   | 1.2   | 17  | 20                                      | 9.8  | 106   | 7.3  | 7.2  |
| APR   |      |   |   |   |   |   |  |   |  |  |
| 25... | 1545 | 81213   | 108   | .5  | 9   | 11                                      | 9.7  | 100   | 7.4  | 7.4  |
| MAY   |      |   |   |   |   |   |  |   |  |  |
| 30... | 1610 | 81213   | 30  | 1.7   | 6   | 8.6                                     | 7.4  | 96  | 7.5  | 7.5  |
| JUN   |      |   |   |   |   |   |  |   |  |  |
| 06... | 1615 | 81213   | 22  | --  | --  | --                                      | 6.9  | 90  | 7.5  | --   |
| 20... | 1545 | 81213   | 19  | --  | --  | --                                      | 7.3  | 100   | 7.4  | --   |
| 27... | 1400 | 81213   | 20  | 3.4   | 6   | 10                                      | 7.7  | 100   | 7.3  | 7.5  |
| JUL   |      |   |   |   |   |   |  |   |  |  |
| 26... | 1525 | 81213   | 12  | .9  | 4   | 3.6                                     | 8.4  | 112   | 7.5  | 7.6  |
| AUG   |      |   |   |   |   |   |  |   |  |  |
| 29... | 1700 | 81213   | 11  | .8  | 6   | 8.3                                     | 6.7  | 91  | 7.4  | 7.5  |
| SEP   |      |   |   |   |   |   |  |   |  |  |
| 05... | 1600 | 81213   | 17  | --  | --  | --                                      | 6.9  | 89  | 7.2  | --   |
| 20... | 0800 | 81213   | 10  | .7  | 8   | 8.4                                     | 6.9  | 78  | 7.1  | 7.2  |
| 28... | 0705 | 81213   | 13  | --  | --  | --                                      | 7.9  | 81  | 7.2  | --   |
| OCT   |      |   |   |   |   |   |  |   |  |  |
| 03... | 1530 | 81213   | 10  | --  | --  | --                                      | 8.1  | 94  | 7.2  | --   |
| 17... | 1530 | 81213   | 10  | --  | --  | --                                      | 9.5  | 103   | 7.2  | --   |
| 24... | 1510 | 81213   | 8.6   | 3.3   | 3   | 3.6                                     | 8.6  | 93  | 7.3  | 7.2  |
| NOV   |      |   |   |   |   |   |  |   |  |  |
| 27... | 1700 | 81213   | 77  | .9  | 4   | 13                                      | 11.3   | 103   | 6.6  | 7.1  |
| DEC   |      |   |   |   |   |   |  |   |  |  |
| 05... | 1615 | 81213   | 44  | 1.0   | 2   | 6.6                                     | 11.6   | 95  | 6.8  | 7.3  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02341220 MULBERRY CREEK NEAR MULBERRY GROVE, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 25... | 46  | 46  | 5.5   | 6.0   | 14   | .07   | .2  | .130  | 5.2  | <20   |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 08... | --  | 69  | 18.0  | 7.4   | --   | --  | --  | --  | --   | 80  |
| 15... | 62  | 62  | 23.0  | 13.8  | 20   | .05   | .3  | .290  | 2.7  | 130   |
| 22... | --  | 66  | 19.0  | 13.2  | --   | --  | --  | --  | --   | 50  |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 28... | 58  | 58  | 25.0  | 17.9  | 20   | .05   | .1  | .150  | 2.7  | --  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 25... | 67  | 66  | 17.5  | 16.1  | 24   | .04   | .3  | .230  | 1.6  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 30... | 79  | 79  | 30.1  | 27.8  | 27   | .08   | .5  | .330  | 2.8  | 50  |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 06... | --  | 78  | 26.9  | 28.5  | --   | --  | --  | --  | --   | 110   |
| 20... | --  | 95  | 32.0  | 31.4  | --   | --  | --  | --  | --   | 50  |
| 27... | 86  | 124   | 31.9  | 28.3  | 28   | .07   | .2  | .210  | 2.6  | 230   |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 26... | 104   | 106   | 30.5  | 29.8  | 31   | .04   | .1  | .170  | 3.0  | --  |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 29... | 89  | 91  | 31.5  | 30.4  | 28   | .07   | .1  | .140  | 2.6  | 50  |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 05... | --  | 116   | 27.2  | 27.1  | --   | --  | --  | --  | --   | 40  |
| 20... | 90  | 92  | 21.0  | 20.9  | 25   | .07   | .5  | .290  | 2.8  | <20   |
| 28... | --  | 106   | 9.0   | 16.8  | --   | --  | --  | --  | --   | 130   |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 03... | --  | 91  | 28.1  | 22.4  | --   | --  | --  | --  | --   | 170   |
| 17... | --  | 97  | 26.9  | 18.6  | --   | --  | --  | --  | --   | 330   |
| 24... | 96  | 98  | 25.5  | 19.0  | 28   | .02   | .1  | .210  | 3.3  | 330   |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 27... | 68  | 69  | 13.2  | 11.0  | 18   | .10   | .3  | .260  | 3.5  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 05... | 70  | 70  | 14.5  | 6.8   | 21   | .04   | .2  | .130  | 2.6  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02341220 MULBERRY CREEK NEAR MULBERRY GROVE, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|--|---|--|--|---|---|--|--|
|              |      |   |   |  |   |  |  |   |   |  |  |
| JUN<br>27... | 1400 | 81213   | 20  | 7.7  | 100   | 7.3  | 124  | 31.9  | 28.3  | 3.1  | 1.7  |
| OCT<br>24... | 1510 | 81213   | 8.6   | 8.6  | 93  | 7.3  | 98   | 25.5  | 19.0  | 3.3  | 1.8  |
| JUN<br>27... | <1.0 | <2.0  | <.5   | <1.0   | <1.0  | <1.0   | <.1  | <1.0  | <2.0  | <2.0   | 1.3  |
| OCT<br>24... | <1.0 | <4.0  | <.5   | <1.0   | <2.0  | <2.0   | <.1  | <1.0  | <4.0  | <2.0   | <2.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**023415605 BULL CREEK AT US HIGHWAY 27, AT COLUMBUS, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°25'45", long 84°57'07", Muscogee County, Hydrologic Unit 03130003, at bridge on US Highway 27, 1.8 miles upstream from the confluence with the Chattahoochee River, 3.0 miles downstream from Dram Branch, and at Columbus.

**DRAINAGE AREA.**--68.3 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--June 1993; January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|---|---|---|
| JAN   |      |   |   |   |   |   |   |   |   |   |
| 26... | 0820 | 81213   | 44  | 1.3   | 26  | 43                                      | 13.2  | 101   | 6.1   | 7.0   |
| FEB   |      |   |   |   |   |   |   |   |   |   |
| 09... | 0815 | 81213   | 14  | --  | --  | --                                      | 9.7   | 80  | 6.3   | --  |
| 16... | 0745 | 81213   | 13  | 1.9   | 5   | 6.8                                     | 7.4   | 68  | 6.6   | 6.9   |
| 23... | 0815 | 81213   | 13  | --  | --  | --                                      | 8.6   | 77  | 6.9   | --  |
| MAR   |      |   |   |   |   |   |   |   |   |   |
| 29... | 0750 | 81213   | 30  | 2.1   | 12  | 14                                      | 8.2   | 84  | 7.0   | 7.4   |
| APR   |      |   |   |   |   |   |   |   |   |   |
| 26... | 0715 | 81213   | 20  | 1.3   | 8   | 11                                      | 8.4   | 82  | 7.2   | 7.1   |
| MAY   |      |   |   |   |   |   |   |   |   |   |
| 31... | 0700 | 81213   | 2.8   | 2.5   | 7   | 2.6                                     | 4.4   | 51  | 6.7   | 6.9   |
| JUN   |      |   |   |   |   |   |   |   |   |   |
| 07... | 0630 | 81213   | 2.8   | --  | --  | --                                      | 4.8   | 53  | 6.5   | --  |
| 20... | 1000 | 81213   | 4.0   | --  | --  | --                                      | 4.9   | 60  | 6.4   | --  |
| 28... | 0700 | 81213   | 8.8   | 4.2   | 21  | 28                                      | 4.8   | 58  | 6.9   | 7.0   |
| JUL   |      |   |   |   |   |   |   |   |   |   |
| 27... | 0725 | 81213   | 3.5   | 1.4   | 3   | 3.2                                     | 4.6   | 56  | 6.8   | 7.2   |
| AUG   |      |   |   |   |   |   |   |   |   |   |
| 30... | 0650 | 81213   | 3.8   | 1.1   | 8   | 5.0                                     | 5.6   | 67  | 6.9   | 6.9   |
| SEP   |      |   |   |   |   |   |   |   |   |   |
| 06... | 0715 | 81213   | 57  | --  | --  | --                                      | 8.3   | 98  | 6.9   | --  |
| 20... | 0930 | 81213   | 3.0   | 1.4   | 4   | 1.6                                     | 5.4   | 62  | 6.7   | 7.0   |
| 27... | 0700 | 81213   | 6.0   | --  | --  | --                                      | 6.9   | 74  | 6.8   | --  |
| OCT   |      |   |   |   |   |   |   |   |   |   |
| 04... | 0645 | 81213   | 2.2   | --  | --  | --                                      | 5.6   | 61  | 6.7   | --  |
| 18... | 0715 | 81213   | 2.0   | --  | --  | --                                      | 6.6   | 69  | 6.4   | --  |
| 25... | 0725 | 81213   | 1.3   | 1.8   | 6   | 4.7                                     | 5.3   | 56  | 6.6   | 7.2   |
| NOV   |      |   |   |   |   |   |   |   |   |   |
| 28... | 0745 | 81213   | 13  | 1.5   | 7   | 15                                      | 9.4   | 81  | 6.8   | 7.2   |
| DEC   |      |   |   |   |   |   |   |   |   |   |
| 06... | 0850 | 81213   | 7.5   | .9  | 4   | 5.6                                     | 10.8  | 88  | 6.6   | 7.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**023415605 BULL CREEK AT US HIGHWAY 27, AT COLUMBUS, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |  |   |   |   |  |   |
| 26... | 84  | 84   | -2.0  | 4.5   | 21   | .23   | .5  | .060  | 2.7  | <20   |
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 09... | --  | 123  | 6.5   | 7.3   | --   | --  | --  | --  | --   | E16000  |
| 16... | 118   | 122  | 8.5   | 11.4  | 28   | .66   | .6  | .080  | 4.9  | 700   |
| 23... | --  | 128  | 11.5  | 10.6  | --   | --  | --  | --  | --   | 490   |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 29... | 98  | 99   | 11.5  | 15.8  | 23   | .29   | .5  | .050  | 2.7  | --  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 26... | 99  | 101  | 11.5  | 14.6  | 24   | .27   | .6  | .050  | 2.9  | --  |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 31... | 138   | 142  | 20.9  | 21.5  | 24   | .34   | 1.4   | .120  | 3.7  | 310   |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 07... | --  | 154  | 23.8  | 20.6  | --   | --  | --  | --  | --   | 140   |
| 20... | --  | 123  | 33.0  | 26.0  | --   | --  | --  | --  | --   | 1300  |
| 28... | 117   | 122  | 23.5  | 24.7  | 26   | .51   | .7  | .100  | 3.6  | 9200  |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 27... | 123   | 128  | 26.0  | 24.3  | 23   | .34   | 1.2   | .110  | 2.8  | --  |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 30... | 131   | 136  | 25.1  | 24.4  | 25   | .51   | 1.2   | .120  | 2.5  | 2400  |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 06... | --  | 72   | 20.5  | 23.5  | --   | --  | --  | --  | --   | >24000  |
| 20... | 158   | 160  | 30.5  | 22.2  | 26   | .31   | 1.8   | .110  | 2.9  | <20   |
| 27... | --  | 119  | 12.6  | 18.5  | --   | --  | --  | --  | --   | <20   |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 04... | --  | 152  | 18.8  | 19.4  | --   | --  | --  | --  | --   | <20   |
| 18... | --  | 163  | 12.5  | 17.4  | --   | --  | --  | --  | --   | 260   |
| 25... | 158   | 163  | 17.8  | 17.9  | 25   | .35   | 2.0   | .070  | 2.8  | 50  |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 28... | 112   | 116  | 5.5   | 9.0   | 24   | .29   | .7  | .080  | 2.9  | --  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 06... | 139   | 142  | 9.0   | 6.4   | 28   | .52   | .9  | .060  | 2.3  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**023415605 BULL CREEK AT US HIGHWAY 27, AT COLUMBUS, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| JUN<br>28... | 0700 | 81213   | 8.8   | 4.8   | 58  | 6.9  | 122  | 23.5  | 24.7  | 9.4  | 2.2  |
| OCT<br>25... | 0725 | 81213   | 1.3   | 5.3   | 56  | 6.6  | 163  | 17.8  | 17.9  | 13   | 2.6  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| JUN<br>28... | <1.0  | <2.0   | <.5  | <1.0  | 1.7  | 1.4  | <.1  | 1.7  | <2.0  | <2.0  | 12   |
| OCT<br>25... | <1.0  | <4.0   | <.5  | <1.0  | 4.5  | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 27   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02341800 UPATOI CREEK NEAR COLUMBUS, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 32°24'48", long 84°49'12", Muscogee-Chattahoochee County line, Hydrologic Unit 03130003, 2.0 miles downstream from Randall Creek, 2.0 miles upstream from Ochillee Creek, 12.0 miles upstream from mouth, and 8.0 miles southeast of Columbus.

**DRAINAGE AREA.--**342 mi<sup>2</sup>.

**PERIOD OF RECORD.--**April 1995 to December 1995, January 2000 to December 2000 (discontinued).

**REMARKS.--**The streamflow gaging station at this site is located on the downstream side of the bridge pier near the left end of the 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.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|---|---|---|---|
| JAN   |      |   |   |   |  |   |   |   |   |   |
| 26... | 0925 | 81213   | 612   | .8  | 32   | 35                                      | 12.9  | 91  | 6.2   | 6.5   |
| FEB   |      |   |   |   |  |   |   |   |   |   |
| 09... | 0940 | 81213   | 275   | --  | --   | --                                      | 11.7  | 95  | 6.0   | --  |
| 16... | 0845 | 81213   | 264   | .4  | 5  | 6.0                                     | 10.0  | 91  | 6.4   | 6.7   |
| 23... | 0930 | 81213   | 189   | --  | --   | --                                      | 10.9  | 96  | 6.8   | --  |
| MAR   |      |   |   |   |  |   |   |   |   |   |
| 29... | 0935 | 81213   | 459   | .8  | 16   | 14                                      | 8.5   | 86  | 6.8   | 6.9   |
| APR   |      |   |   |   |  |   |   |   |   |   |
| 26... | 0905 | 81213   | 306   | .7  | 10   | 8.1                                     | 8.9   | 88  | 6.9   | 6.8   |
| MAY   |      |   |   |   |  |   |   |   |   |   |
| 31... | 0845 | 81213   | 104   | 2.0   | 8  | 6.0                                     | 6.6   | 75  | 6.8   | 6.6   |
| JUN   |      |   |   |   |  |   |   |   |   |   |
| 07... | 0900 | 81213   | 97  | --  | --   | --                                      | 8.1   | 91  | 6.6   | --  |
| 20... | 0900 | 81213   | 97  | --  | --   | --                                      | 7.6   | 93  | 6.2   | --  |
| 28... | 0815 | 81213   | 141   | E2.9  | 11   | 10                                      | 7.2   | 86  | 6.2   | 6.3   |
| JUL   |      |   |   |   |  |   |   |   |   |   |
| 27... | 0850 | 81213   | 124   | .8  | 6  | 5.6                                     | 7.9   | 95  | 6.3   | 4.1   |
| AUG   |      |   |   |   |  |   |   |   |   |   |
| 30... | 0850 | 81213   | 114   | 8.0   | 8  | 5.0                                     | 8.1   | 96  | 6.1   | 6.0   |
| SEP   |      |   |   |   |  |   |   |   |   |   |
| 06... | 0910 | 81213   | 312   | --  | --   | --                                      | 9.7   | 111   | 5.8   | --  |
| 20... | 1115 | 81213   | 108   | .6  | 4  | 3.1                                     | 7.6   | 90  | 6.3   | 6.2   |
| 27... | 0830 | 81213   | 170   | --  | --   | --                                      | 8.8   | 92  | 6.3   | --  |
| OCT   |      |   |   |   |  |   |   |   |   |   |
| 04... | 0830 | 81213   | 116   | --  | --   | --                                      | 8.5   | 90  | 6.5   | --  |
| 18... | 0815 | 81213   | 110   | --  | --   | --                                      | 10.4  | 104   | 5.9   | --  |
| 25... | 0850 | 81213   | 97  | .7  | 4  | 1.8                                     | 9.9   | 100   | 6.2   | 6.2   |
| NOV   |      |   |   |   |  |   |   |   |   |   |
| 28... | 0930 | 81213   | 229   | 1.1   | 5  | 7.2                                     | 9.4   | 80  | 6.6   | 6.6   |
| DEC   |      |   |   |   |  |   |   |   |   |   |
| 06... | 1000 | 81213   | 161   | .5  | 2  | 2.8                                     | 11.8  | 93  | 6.3   | 6.1   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02341800 UPATOI CREEK NEAR COLUMBUS, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |  |   |   |   |  |   |
| 26... | 33  | 33   | - .5  | 1.3   | 9  | .07   | .1  | .020  | 3.7  | 20  |
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 09... | --  | 27   | 9.5   | 6.7   | --   | --  | --  | --  | --   | E20   |
| 16... | 27  | 27   | 12.0  | 11.3  | 6  | .04   | .1  | <.020   | 2.6  | 20  |
| 23... | --  | 28   | 14.0  | 10.1  | --   | --  | --  | --  | --   | 50  |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 29... | 31  | 31   | 17.0  | 16.0  | 9  | .03   | .1  | <.020   | 2.6  | --  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 26... | 27  | 27   | 18.0  | 14.8  | 10   | .04   | .1  | <.020   | 2.1  | --  |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 31... | 20  | 20   | 29.1  | 21.5  | 5  | .06   | .1  | <.020   | 2.9  | 80  |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 07... | --  | 19   | 26.0  | 21.0  | --   | --  | --  | --  | --   | 110   |
| 20... | --  | 19   | 35.0  | 25.5  | --   | --  | --  | --  | --   | 20  |
| 28... | 16  | 17   | 25.8  | 24.1  | 4  | .07   | .1  | <.020   | 2.0  | 60  |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 27... | 16  | 16   | 26.0  | 23.9  | <1   | .03   | .1  | <.020   | 1.1  | --  |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 30... | 16  | 16   | 28.9  | 23.7  | 3  | .05   | .1  | <.020   | 1.6  | 40  |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 06... | --  | 20   | 19.4  | 22.4  | --   | --  | --  | --  | --   | E330  |
| 20... | 17  | 17   | 31.6  | 23.4  | 4  | .03   | .1  | <.020   | 2.8  | <20   |
| 27... | --  | 23   | 16.4  | 18.2  | --   | --  | --  | --  | --   | <20   |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 04... | --  | 17   | 19.5  | 18.3  | --   | --  | --  | --  | --   | <20   |
| 18... | --  | 16   | 14.4  | 15.4  | --   | --  | --  | --  | --   | 50  |
| 25... | 16  | 16   | 18.5  | 16.2  | 3  | .04   | .04   | <.020   | 2.7  | 80  |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 28... | 28  | 28   | 6.0   | 8.8   | 5  | .04   | .1  | <.020   | 1.9  | --  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 06... | 22  | 22   | 6.0   | 5.6   | 4  | .03   | .1  | <.020   | 1.2  | --  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02341800 UPATOI CREEK NEAR COLUMBUS, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300)                     | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)     | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                    | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |  |
|--------------|------|---|---|--|---|--|--|--|--|--|--|--|
| DATE         |      | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097)             | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002)                        | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042)   | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147)              | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059)                      | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
| JUN<br>28... | 0815 | 81213   | 141   | 7.2  | 86  | 6.2  | 17   | 25.8   | 24.1   | .8   | .5   |  |
| OCT<br>25... | 0850 | 81213   | 97  | 9.9  | 100   | 6.2  | 16   | 18.5   | 16.2   | .6   | .4   |  |
| JUN<br>28... | <1.0 | <2.0  | <.5   | <1.0   | <1.0  | <1.0   | <.1  | <1.0   | <2.0   | <2.0   | 3.5  |  |
| OCT<br>25... | <1.0 | <4.0  | <.5   | <1.0   | <2.0  | <2.0   | <.1  | <1.0   | <4.0   | <2.0   | <2.0   |  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02342850 HANNAHATCHEE CREEK AT STEWART COUNTY ROAD 35,  
AT UNION, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°09'10", long 84°54'21", Stewart County, Hydrologic Unit 03130003, at the bridge on Stewart County Road 35, 10.9 mi upstream from confluence with the Chattahoochee River, 2.5 miles downstream from Colochee Creek, 5.3 miles west of the intersection of US Highway 27 and Georgia Highway 39, and at Union.

**DRAINAGE AREA.**--121 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|--|---|---|
| JAN   |      |   |   |   |   |   |   |  |   |   |
| 26... | 1120 | 81213   | 136   | .4  | 30  | 29                                      | 12.9  | 99   | 6.6   | 6.8   |
| FEB   |      |   |   |   |   |   |   |  |   |   |
| 09... | 1120 | 81213   | 40  | --  | --  | --                                      | 12.2  | 99   | 7.0   | --  |
| 16... | 1050 | 81213   | 69  | .5  | 13  | 14                                      | 10.6  | 95   | 7.1   | 7.0   |
| 23... | 1145 | 81213   | 77  | --  | --  | --                                      | 12.4  | 112  | 6.9   | --  |
| MAR   |      |   |   |   |   |   |   |  |   |   |
| 29... | 1135 | 81213   | 90  | .9  | 22  | 23                                      | 9.8   | 99   | 7.0   | 7.3   |
| APR   |      |   |   |   |   |   |   |  |   |   |
| 26... | 1110 | 81213   | 55  | .9  | 17  | 20                                      | 10.4  | 105  | 7.2   | 7.0   |
| MAY   |      |   |   |   |   |   |   |  |   |   |
| 31... | 1230 | 81213   | 12  | 2.4   | 13  | 14                                      | 8.6   | 106  | 7.3   | 7.1   |
| JUN   |      |   |   |   |   |   |   |  |   |   |
| 07... | 1045 | 81213   | 12  | --  | --  | --                                      | 8.8   | 98   | 7.0   | --  |
| 21... | 0800 | 81213   | 17  | --  | --  | --                                      | 7.9   | 93   | 6.5   | --  |
| 28... | 1000 | 81213   | 22  | E1.7  | 9   | 13                                      | 8.4   | 100  | 6.9   | 7.1   |
| JUL   |      |   |   |   |   |   |   |  |   |   |
| 27... | 1020 | 81213   | 8.7   | .8  | 8   | 12                                      | --  | --   | 7.2   | 7.2   |
| AUG   |      |   |   |   |   |   |   |  |   |   |
| 30... | 1150 | 81213   | 6.7   | 1.2   | 7   | 10                                      | 8.2   | 104  | 7.3   | 7.2   |
| SEP   |      |   |   |   |   |   |   |  |   |   |
| 06... | 1130 | 81213   | 109   | --  | --  | --                                      | 8.1   | 91   | 6.4   | --  |
| 20... | 1230 | 81213   | 12  | .8  | 10  | 11                                      | 8.4   | 99   | 7.4   | 7.2   |
| 27... | 0945 | 81213   | 32  | --  | --  | --                                      | 9.2   | 94   | 6.8   | --  |
| OCT   |      |   |   |   |   |   |   |  |   |   |
| 04... | 1000 | 81213   | 20  | --  | --  | --                                      | 9.5   | 100  | 6.9   | --  |
| 18... | 0945 | 81213   | 15  | --  | --  | --                                      | 10.2  | 101  | 6.9   | --  |
| 25... | 1115 | 81213   | 15  | 1.2   | 7   | 8.4                                     | 10.2  | 104  | 6.8   | 6.8   |
| NOV   |      |   |   |   |   |   |   |  |   |   |
| 28... | 1130 | 81213   | 32  | .9  | 5   | 8.1                                     | 11.3  | 94   | 6.7   | 6.9   |
| DEC   |      |   |   |   |   |   |   |  |   |   |
| 06... | 1145 | 81213   | 32  | .3  | 4   | 4.9                                     | 13.2  | 101  | 6.4   | 6.8   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02342850 HANNAHATCHEE CREEK AT STEWART COUNTY ROAD 35,  
AT UNION, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|---|---|---|---|--|---|
| JAN   |   |  |   |   |   |   |   |   |  |   |
| 26... | 56  | 56   | 2.5   | 4.4   | 10  | .11   | .2  | .050  | 3.4  | 130   |
| FEB   |   |  |   |   |   |   |   |   |  |   |
| 09... | --  | 50   | 19.5  | 6.8   | --  | --  | --  | --  | --   | E110  |
| 16... | 59  | 59   | 20.5  | 10.7  | 13  | .05   | .1  | .020  | 2.8  | 80  |
| 23... | --  | 57   | 18.5  | 11.5  | --  | --  | --  | --  | --   | 140   |
| MAR   |   |  |   |   |   |   |   |   |  |   |
| 29... | 71  | 71   | 20.0  | 15.8  | 16  | .04   | .1  | .040  | 2.5  | --  |
| APR   |   |  |   |   |   |   |   |   |  |   |
| 26... | 66  | 67   | 23.0  | 15.9  | 13  | .03   | .1  | .030  | 2.4  | --  |
| MAY   |   |  |   |   |   |   |   |   |  |   |
| 31... | 70  | 70   | 30.7  | 26.1  | 10  | .06   | .1  | .030  | 2.5  | 140   |
| JUN   |   |  |   |   |   |   |   |   |  |   |
| 07... | --  | 64   | 27.3  | 20.7  | --  | --  | --  | --  | --   | 110   |
| 21... | --  | 59   | 30.0  | 23.4  | --  | --  | --  | --  | --   | 270   |
| 28... | 60  | 61   | 27.4  | 24.4  | 11  | .06   | .1  | .040  | 1.7  | 270   |
| JUL   |   |  |   |   |   |   |   |   |  |   |
| 27... | 58  | 99   | 34.0  | 24.8  | 11  | .03   | .1  | .030  | 1.5  | --  |
| AUG   |   |  |   |   |   |   |   |   |  |   |
| 30... | 56  | 57   | 35.0  | 27.4  | 10  | .05   | .1  | .030  | 1.7  | 790   |
| SEP   |   |  |   |   |   |   |   |   |  |   |
| 06... | --  | 45   | 18.5  | 21.5  | --  | --  | --  | --  | --   | E9200   |
| 20... | 55  | 56   | 32.5  | 23.4  | 10  | .02   | .1  | .040  | 2.4  | <20   |
| 27... | --  | 64   | 19.5  | 16.8  | --  | --  | --  | --  | --   | <20   |
| OCT   |   |  |   |   |   |   |   |   |  |   |
| 04... | --  | 58   | 28.2  | 17.8  | --  | --  | --  | --  | --   | <20   |
| 18... | --  | 54   | 24.3  | 14.9  | --  | --  | --  | --  | --   | 170   |
| 25... | 55  | 56   | 22.5  | 16.5  | 10  | .05   | <.020   | .030  | 2.8  | 80  |
| NOV   |   |  |   |   |   |   |   |   |  |   |
| 28... | 58  | 60   | 16.2  | 7.7   | 8   | .04   | .1  | .020  | .90  | --  |
| DEC   |   |  |   |   |   |   |   |   |  |   |
| 06... | 56  | 57   | 9.5   | 4.4   | 8   | .07   | .1  | <.020   | 1.2  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02342850 HANNAHATCHEE CREEK AT STEWART COUNTY ROAD 35,  
AT UNION, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE NUMBER<br>(CODE PER SECOND)<br>(00028) | DIS-CHARGE, INST. CUBIC FEET PER SECOND<br>(00061) | OXYGEN, DIS-SOLVED (MG/L)<br>(00300) | OXYGEN, (PER-CENT SATURATION)<br>(00301) | PH WATER FIELD (STANDARD UNITS)<br>(00400) | SPE-CIFIC CON-DUCT-ANCE<br>(US/CM)<br>(00095) | TEMPER-ATURE AIR<br>(DEG C)<br>(00020) | TEMPER-ATURE WATER<br>(DEG C)<br>(00010) | CALCIUM TOTAL RECOV-ERABLE<br>(MG/L AS CA)<br>(00916) | MAGNE-SIUM, TOTAL RECOV-ERABLE<br>(MG/L AS MG)<br>(00927) |
|-----------|------|---|--|--------------------------------------|--|--|---|--|--|---|---|
| JUN 28... | 1000 | 81213   | 22   | 8.4                                  | 100                                      | 6.9  | 61  | 27.4                                   | 24.4                                     | 6.3   | 1   |
| OCT 25... | 1115 | 81213   | 15   | 10                                   | 104                                      | 6.8  | 56  | 22.5                                   | 16.5                                     | 5.4   | 1   |

| DATE      | ANTI-MONY, TOTAL<br>(UG/L AS SB)<br>(01097) | ARSENIC TOTAL<br>(UG/L AS AS)<br>(01002) | CADMIUM WATER UNFLTRD TOTAL<br>(UG/L AS CD)<br>(01027) | CHRO-MIUM, TOTAL RECOV-ERABLE<br>(UG/L AS CR)<br>(01034) | COPPER, TOTAL RECOV-ERABLE<br>(UG/L AS CU)<br>(01042) | LEAD, TOTAL RECOV-ERABLE<br>(UG/L AS PB)<br>(01051) | MERCURY TOTAL RECOV-ERABLE<br>(UG/L AS HG)<br>(71900) | NICKEL, TOTAL RECOV-ERABLE<br>(UG/L AS NI)<br>(01067) | SELE-NIUM, TOTAL RECOV-ERABLE<br>(UG/L AS SE)<br>(01147) | THAL-LIUM, TOTAL RECOV-ERABLE<br>(UG/L AS TL)<br>(01059) | ZINC, TOTAL RECOV-ERABLE<br>(UG/L AS ZN)<br>(01092) |
|-----------|---|--|--|--|---|---|---|---|--|--|---|
| JUN 28... | <1.0  | <2.0                                     | <.5  | <1.0   | <1.0  | <1.0  | <.1   | <1.0  | <2.0   | <2.0   | 2.9   |
| OCT 25... | <1.0  | <4.0                                     | <.5  | <1.0   | <2.0  | <2.0  | <.1   | <1.0  | <4.0   | <2.0   | <2.0  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02342881 CHATTAHOOCHEE RIVER NEAR OMAHA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°08'32", long 85°02'47", 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 Hannahatchee Creek, 2.4 miles southwest of Omaha and at mile 119.7.

**DRAINAGE AREA.**--6060 mi<sup>2</sup>.

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

**REMARKS.**--The flow at this site is regulated by Lake Sidney Lanier (station 02334400), West Point Lake (station 02339400), and Lake Harding (station 02341000). 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |     |
|-------|------|---|---|---|--|---|---|--|--|-----|
| JAN   |      |   |   |   |  |   |   |  |  |     |
| 26... | 1220 | 81213   | E6540   | 1.1   | 21   | 26                                      | 11.4  | 97   | 7.1  | 7.1 |
| FEB   |      |   |   |   |  |   |   |  |  |     |
| 09... | 1200 | 81213   | E5900   | --  | --   | --                                      | 12.0  | 101  | 7.2  | --  |
| 16... | 1250 | 81213   | E7960   | 1.2   | 10   | 9.0                                     | 10.5  | 97   | 7.6  | 7.3 |
| 23... | 1230 | 81213   | E4590   | --  | --   | --                                      | 11.2  | 105  | 7.2  | --  |
| MAR   |      |   |   |   |  |   |   |  |  |     |
| 29... | 1310 | 81213   | E4620   | 1.5   | 13   | 13                                      | 8.7   | 92   | 7.1  | 7.2 |
| APR   |      |   |   |   |  |   |   |  |  |     |
| 26... | 1220 | 81213   | E7150   | 1.3   | 8  | 6.7                                     | 8.8   | 96   | 7.5  | 7.3 |
| MAY   |      |   |   |   |  |   |   |  |  |     |
| 31... | 1545 | 81213   | E5560   | 3.3   | 9  | 6.3                                     | 8.9   | 115  | 7.6  | 7.3 |
| JUN   |      |   |   |   |  |   |   |  |  |     |
| 07... | 1245 | 81213   | E4680   | --  | --   | --                                      | 7.5   | 96   | 7.4  | --  |
| 21... | 0840 | 81213   | E4280   | --  | --   | --                                      | 7.5   | 98   | 7.2  | --  |
| 28... | 1100 | 81213   | E3950   | E2.3  | 5  | 3.6                                     | 6.9   | 91   | 7.6  | 7.4 |
| JUL   |      |   |   |   |  |   |   |  |  |     |
| 27... | 1150 | 81213   | E3430   | 1.8   | 4  | 4.4                                     | --  | --   | 7.6  | 7.4 |
| AUG   |      |   |   |   |  |   |   |  |  |     |
| 30... | 1330 | 81213   | E3950   | 1.4   | 9  | 5.9                                     | 6.5   | 87   | 7.6  | 7.4 |
| SEP   |      |   |   |   |  |   |   |  |  |     |
| 06... | 1245 | 81213   | E5850   | --  | --   | --                                      | 5.9   | 75   | 7.3  | --  |
| 20... | 1345 | 81213   | E2560   | 1.5   | 6  | 3.8                                     | 7.9   | 102  | 7.6  | 7.4 |
| 27... | 1030 | 81213   | E2560   | --  | --   | --                                      | 6.6   | 80   | 7.3  | --  |
| OCT   |      |   |   |   |  |   |   |  |  |     |
| 04... | 1130 | 81213   | E1980   | --  | --   | --                                      | 7.5   | 90   | 7.1  | --  |
| 18... | 1045 | 81213   | E1590   | --  | --   | --                                      | 9.8   | 108  | 7.8  | --  |
| 25... | 1225 | 81213   | E1330   | 2.9   | 5  | 4.9                                     | 9.2   | 104  | 7.4  | 7.3 |
| NOV   |      |   |   |   |  |   |   |  |  |     |
| 28... | 1245 | 81213   | E5490   | 1.2   | 3  | 5.9                                     | 9.3   | 88   | 7.2  | 7.5 |
| DEC   |      |   |   |   |  |   |   |  |  |     |
| 06... | 1245 | 81213   | E3160   | .6  | 5  | 5.9                                     | 9.0   | 83   | 7.1  | 7.3 |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02342881 CHATTAHOOCHEE RIVER NEAR OMAHA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 26... | 102   | 105   | 4.5   | 8.3   | 21   | .23   | .6  | .060  | 2.2  | 330   |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 09... | --  | 129   | 19.0  | 8.0   | --   | --  | --  | --  | --   | E1100   |
| 16... | 123   | 124   | 23.0  | 12.0  | 25   | .20   | .8  | .040  | 3.0  | 50  |
| 23... | --  | 124   | 23.0  | 13.0  | --   | --  | --  | --  | --   | <20   |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 29... | 107   | 106   | 23.0  | 18.1  | 22   | .14   | .6  | .030  | 2.8  | --  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 26... | 114   | 114   | 23.5  | 20.0  | 23   | .14   | .6  | .030  | 2.9  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 31... | 121   | 122   | 31.9  | 28.8  | 25   | .13   | .6  | .040  | 2.7  | <20   |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 07... | --  | 119   | 30.4  | 28.0  | --   | --  | --  | --  | --   | <20   |
| 21... | --  | 114   | 31.0  | 29.0  | --   | --  | --  | --  | --   | <20   |
| 28... | 117   | 118   | 34.5  | 29.6  | 25   | .13   | .4  | .030  | 2.7  | <20   |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 27... | 129   | 129   | 34.0  | 31.0  | 28   | .10   | .4  | .030  | 2.3  | --  |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 30... | 156   | 157   | 32.8  | 30.0  | 33   | .23   | .3  | .040  | 2.7  | <20   |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 06... | --  | 151   | 18.5  | 28.1  | --   | --  | --  | --  | --   | E230  |
| 20... | 148   | 148   | 33.4  | 28.1  | 30   | .10   | .4  | .040  | 2.9  | <20   |
| 27... | --  | 158   | 21.4  | 25.6  | --   | --  | --  | --  | --   | <20   |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 04... | --  | 138   | 29.9  | 24.7  | --   | --  | --  | --  | --   | <20   |
| 18... | --  | 142   | 23.4  | 20.5  | --   | --  | --  | --  | --   | 20  |
| 25... | 176   | 178   | 27.0  | 21.4  | 32   | .17   | .6  | .050  | 3.5  | 20  |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 28... | 132   | 135   | 16.5  | 13.1  | 27   | .12   | .8  | .040  | 2.2  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 06... | 136   | 138   | 12.0  | 12.3  | 27   | .16   | .7  | <.020   | 1.6  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02342881 CHATTAHOOCHEE RIVER NEAR OMAHA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|--|---|--|--|---|---|--|--|
|              |      |   |   |  |   |  |  |   |   |  |  |
| JUN<br>28... | 1100 | 81213   | E3950   | 6.9  | 91  | 7.6  | 118  | 34.5  | 29.6  | 5.8  | 1.7  |
| OCT<br>25... | 1225 | 81213   | E1330   | 9.2  | 104   | 7.4  | 178  | 27.0  | 21.4  | 7.4  | 1.6  |
| JUN<br>28... | <1.0 | <2.0  | <.5   | <1.0   | <1.0  | <1.0   | <.1  | 1.1   | <2.0  | <2.0   | 5.7  |
| OCT<br>25... | <1.0 | <4.0  | <.5   | <1.0   | <2.0  | <2.0   | <.1  | <1.0  | <4.0  | <2.0   | 2.3  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02343225 PATAULA CREEK NEAR GEORGETOWN, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 31°49'06", long 84°58'26", Quitman County, Hydrologic Unit 03130003, at bridge on US Highway 82, 11.0 miles east of Georgetown.

**DRAINAGE AREA.**--295 mi<sup>2</sup>.

**PERIOD OF RECORD.**--April 1995 to December 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION<br>(00301) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|--|---|---|---|
| JAN   |      |   |   |   |  |   |  |   |   |   |
| 26... | 1420 | 81213   | 543   | .9  | 10   | 23                                      | 12.4   | 97  | 6.3   | 7.0   |
| FEB   |      |   |   |   |  |   |  |   |   |   |
| 09... | 1350 | 81213   | 196   | --  | --   | --                                      | 11.7   | 98  | 7.2   | --  |
| 16... | 1530 | 81213   | 246   | .7  | 8  | 13                                      | 9.4  | 89  | 7.3   | 7.2   |
| 23... | 1405 | 81213   | 178   | --  | --   | --                                      | 11.4   | 104   | 7.2   | --  |
| MAR   |      |   |   |   |  |   |  |   |   |   |
| 29... | 1510 | 81213   | 213   | 1.1   | 10   | 16                                      | 9.4  | 98  | 7.2   | 7.4   |
| APR   |      |   |   |   |  |   |  |   |   |   |
| 26... | 1420 | 81213   | 183   | 1.0   | 12   | 18                                      | 9.7  | 98  | 7.4   | 7.3   |
| JUN   |      |   |   |   |  |   |  |   |   |   |
| 01... | 1540 | 81213   | 66  | .5  | 16   | 19                                      | 7.8  | 91  | 7.5   | 7.6   |
| 07... | 1350 | 81213   | 77  | --  | --   | --                                      | 8.0  | 91  | 7.5   | --  |
| 21... | 1000 | 81213   | 115   | --  | --   | --                                      | 7.3  | 87  | 6.9   | --  |
| 28... | 1315 | 81213   | 152   | E2.3  | 28   | 36                                      | 7.7  | 91  | 6.9   | 7.1   |
| JUL   |      |   |   |   |  |   |  |   |   |   |
| 27... | 1315 | 81213   | 80  | 1.0   | 16   | 17                                      | --   | --  | 7.4   | 7.6   |
| AUG   |      |   |   |   |  |   |  |   |   |   |
| 30... | 1500 | 81213   | 70  | .7  | 6  | 7.5                                     | 7.2  | 88  | 7.6   | 7.6   |
| SEP   |      |   |   |   |  |   |  |   |   |   |
| 06... | 1400 | 81213   | 242   | --  | --   | --                                      | 7.1  | 81  | 7.0   | --  |
| 20... | 1500 | 81213   | 82  | .3  | 5  | 7.7                                     | 8.4  | 96  | 7.6   | 7.6   |
| 27... | 1145 | 81213   | 77  | --  | --   | --                                      | 8.4  | 88  | 7.1   | --  |
| OCT   |      |   |   |   |  |   |  |   |   |   |
| 04... | 1220 | 81213   | 93  | --  | --   | --                                      | 9.2  | 100   | 7.1   | --  |
| 18... | 1230 | 81213   | 90  | --  | --   | --                                      | 9.2  | 91  | 7.3   | --  |
| 25... | 1340 | 81213   | 87  | 5.0   | 13   | 10                                      | 9.9  | 100   | 7.3   | 7.7   |
| NOV   |      |   |   |   |  |   |  |   |   |   |
| 28... | 1430 | 81213   | 201   | 1.6   | 4  | 9.1                                     | 10.5   | 91  | 7.1   | 7.1   |
| DEC   |      |   |   |   |  |   |  |   |   |   |
| 06... | 1430 | 81213   | 130   | .5  | 3  | 6.3                                     | 12.0   | 95  | 7.0   | 7.4   |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02343225 PATAULA CREEK NEAR GEORGETOWN, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |  |   |   |   |  |   |
| 26... | 37  | 38   | 4.0   | 5.0   | 13   | .06   | .1  | .020  | 2.5  | 310   |
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 09... | --  | 55   | 20.0  | 7.7   | --   | --  | --  | --  | --   | E210  |
| 16... | 50  | 50   | 25.0  | 13.2  | 19   | .06   | .1  | <.020   | 3.3  | 70  |
| 23... | --  | 53   | 23.0  | 11.5  | --   | --  | --  | --  | --   | 80  |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 29... | 51  | 51   | 26.0  | 17.1  | 20   | .05   | .1  | <.020   | 2.0  | --  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 26... | 51  | 51   | 22.5  | 15.4  | 21   | .05   | .1  | <.020   | 2.0  | --  |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 01... | 78  | 76   | 32.8  | 23.2  | 34   | .04   | .2  | .020  | 2.0  | 40  |
| 07... | --  | 94   | 32.0  | 22.3  | --   | --  | --  | --  | --   | 220   |
| 21... | --  | 64   | 30.0  | 23.9  | --   | --  | --  | --  | --   | 1300  |
| 28... | 44  | 51   | 35.6  | 23.6  | 14   | .09   | .1  | .030  | 3.0  | 170   |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 27... | 63  | 64   | 34.0  | 25.1  | 27   | .04   | .2  | <.020   | 2.2  | --  |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 30... | 63  | 63   | 32.0  | 25.3  | 27   | .01   | .1  | <.020   | 1.8  | 130   |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 06... | --  | 51   | 19.0  | 22.0  | --   | --  | --  | --  | --   | E1700   |
| 20... | 63  | 65   | 34.0  | 21.7  | 27   | .03   | .1  | .020  | 3.0  | <20   |
| 27... | --  | 51   | 24.0  | 18.4  | --   | --  | --  | --  | --   | <20   |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 04... | --  | 65   | 29.1  | 19.2  | --   | --  | --  | --  | --   | <20   |
| 18... | --  | 66   | 24.3  | 15.2  | --   | --  | --  | --  | --   | 110   |
| 25... | 62  | 63   | 27.5  | 16.4  | 26   | .06   | <.020   | <.020   | 4.1  | 110   |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 28... | 52  | 53   | 19.4  | 9.3   | 15   | .03   | .1  | <.020   | 2.1  | --  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 06... | 59  | 58   | 13.5  | 5.6   | 21   | .05   | .1  | <.020   | 1.6  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02343225 PATAULA CREEK NEAR GEORGETOWN, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300)                     | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(00301)                   | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)     | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                    | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |  |
|--------------|------|--|---|--|---|--|--|--|--|--|--|--|
| DATE         |      | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097)        | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002)                        | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042)   | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147)              | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059)                      | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
| JUN<br>28... | 1315 | 81213  | 152   | 7.7  | 91  | 6.9  | 51   | 35.6   | 23.6   | 5.3  | .6   |  |
| OCT<br>25... | 1340 | 81213  | 87  | 9.9  | 100   | 7.3  | 63   | 27.5   | 16.4   | 8.8  | .8   |  |
| JUN<br>28... | <1.0 | <2.0   | <.5   | 1.4  | <1.0  | <1.0   | <.1  | <1.0   | <2.0   | <2.0   | 3.9  |  |
| OCT<br>25... | <1.0 | <4.0   | <.5   | <1.0   | <2.0  | <2.0   | <.1  | <1.0   | <4.0   | <2.0   | 2.3  |  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02343260 CHATTAHOOCHEE RIVER AT FORT GAINES, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 31°36'15", long 85°03'19", Clay County, GA-Henry County, AL line, Hydrologic Unit 03130004, at bridge on Georgia Highway 37, and at mile 73.4.

**DRAINAGE AREA.--**7570 mi<sup>2</sup>.

**PERIOD OF RECORD.--**April 1995 to December 1995, January 2000 to December 2000 (discontinued).

**REMARKS.--**The flow at this station is regulated by Lake Sidney Lanier (station 02334400), West Point Lake (station 02339400), Lake Harding (station 02341000), and Walter F. George Lake (station 02343240). 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) |     |
|-------|------|---|---|---|---|--|---|--|---|-----|
| JAN   |      |   |   |   |   |  |   |  |   |     |
| 27... | 1615 | 81213   | 1.6   | <1  | 6.1                                     | 13.0   | 112   | 7.5  | 7.4   | 129 |
| FEB   |      |   |   |   |   |  |   |  |   |     |
| 10... | 1430 | 81213   | --  | --  | --                                      | 12.0   | 105   | 7.7  | --  | --  |
| 17... | 1615 | 81213   | 2.1   | 5   | 4.4                                     | 10.8   | 99  | 7.6  | 7.4   | 126 |
| 24... | 1300 | 81213   | --  | --  | --                                      | 10.4   | 97  | 7.4  | --  | --  |
| MAR   |      |   |   |   |   |  |   |  |   |     |
| 30... | 1510 | 81213   | .9  | 31  | 24                                      | 7.9  | 83  | 7.1  | 7.2   | 111 |
| APR   |      |   |   |   |   |  |   |  |   |     |
| 27... | 1420 | 81213   | 1.4   | 7   | 3.8                                     | 9.4  | 104   | 7.7  | 7.4   | 103 |
| JUN   |      |   |   |   |   |  |   |  |   |     |
| 01... | 1340 | 81213   | 1.8   | 6   | 3.8                                     | 6.6  | 79  | 7.2  | 7.2   | 110 |
| 08... | 0700 | 81213   | --  | --  | --                                      | 5.3  | 64  | 7.3  | --  | --  |
| 22... | 1250 | 81213   | --  | --  | --                                      | 5.0  | 63  | 7.1  | --  | --  |
| 29... | 1345 | 81213   | 1.4   | 5   | 3.8                                     | 3.7  | 48  | 7.3  | 7.3   | 117 |
| JUL   |      |   |   |   |   |  |   |  |   |     |
| 25... | 1400 | 81213   | 1.6   | 3   | 2.6                                     | 5.7  | 76  | 7.4  | 7.5   | 121 |
| AUG   |      |   |   |   |   |  |   |  |   |     |
| 31... | 1415 | 81213   | 1.6   | 5   | 2.1                                     | 6.6  | 85  | 7.7  | 7.6   | 125 |
| SEP   |      |   |   |   |   |  |   |  |   |     |
| 07... | 1345 | 81213   | --  | --  | --                                      | 6.5  | 82  | 7.6  | --  | --  |
| 21... | 1130 | 81213   | --  | 3   | 3.1                                     | 6.8  | 84  | 7.6  | 7.5   | 130 |
| 25... | 1130 | 81213   | 1.5   | --  | --                                      | 7.1  | 89  | 7.4  | --  | --  |
| 26... | 1200 | 81213   | --  | --  | --                                      | 6.9  | 83  | 7.4  | --  | --  |
| OCT   |      |   |   |   |   |  |   |  |   |     |
| 05... | 1245 | 81213   | --  | --  | --                                      | 7.5  | 91  | 7.6  | --  | --  |
| 19... | 1130 | 81213   | --  | --  | --                                      | 7.3  | 81  | 7.5  | --  | --  |
| 26... | 1225 | 81213   | 1.2   | 4   | 2.3                                     | 7.6  | 86  | 7.5  | 7.5   | 137 |
| NOV   |      |   |   |   |   |  |   |  |   |     |
| 29... | 1430 | 81213   | 1.0   | 3   | 2.6                                     | 8.9  | 88  | 7.3  | 7.5   | 140 |
| DEC   |      |   |   |   |   |  |   |  |   |     |
| 07... | 1430 | 81213   | 1.0   | 4   | 2.3                                     | 11.0   | 104   | 7.6  | 7.4   | 143 |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02343260 CHATTAHOOCHEE RIVER AT FORT GAINES, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|---|---|--|---|---|---|--|---|
| JAN   |  |   |   |  |   |   |   |  |   |
| 27... | 130  | 10.0  | 9.5   | 27   | .08   | .3  | <.020   | 2.7  | 20  |
| FEB   |  |   |   |  |   |   |   |  |   |
| 10... | 130  | 21.0  | 9.6   | --   | --  | --  | --  | --   | <20   |
| 17... | 126  | 24.0  | 11.8  | 27   | .07   | .4  | .020  | 3.3  | 20  |
| 24... | 123  | 23.5  | 12.8  | --   | --  | --  | --  | --   | <20   |
| MAR   |  |   |   |  |   |   |   |  |   |
| 30... | 111  | 23.0  | 17.2  | 24   | .11   | .5  | .030  | 2.8  | --  |
| APR   |  |   |   |  |   |   |   |  |   |
| 27... | 102  | 26.0  | 20.2  | 24   | .04   | .3  | <.020   | 2.6  | --  |
| JUN   |  |   |   |  |   |   |   |  |   |
| 01... | 109  | 32.0  | 24.6  | 27   | .10   | .2  | .020  | 2.2  | 20  |
| 08... | 111  | 22.0  | 25.3  | --   | --  | --  | --  | --   | <20   |
| 22... | 118  | 33.4  | 27.3  | --   | --  | --  | --  | --   | <20   |
| 29... | 122  | 31.3  | 28.7  | 31   | .17   | .1  | .030  | 2.9  | 70  |
| JUL   |  |   |   |  |   |   |   |  |   |
| 25... | 121  | 32.0  | 30.0  | 33   | .11   | .03   | <.020   | 3.2  | --  |
| AUG   |  |   |   |  |   |   |   |  |   |
| 31... | 126  | 32.7  | 28.8  | 33   | .06   | .03   | <.020   | 3.1  | <20   |
| SEP   |  |   |   |  |   |   |   |  |   |
| 07... | 122  | 23.0  | 26.8  | --   | --  | --  | --  | --   | 80  |
| 21... | 130  | 29.6  | 25.9  | 32   | .08   | .03   | .030  | 2.8  | --  |
| 25... | 131  | 31.8  | 26.7  | --   | --  | --  | --  | --   | 130   |
| 26... | 136  | 17.6  | 24.6  | --   | --  | --  | --  | --   | <20   |
| OCT   |  |   |   |  |   |   |   |  |   |
| 05... | 134  | 29.5  | 25.1  | --   | --  | --  | --  | --   | <20   |
| 19... | 138  | 28.2  | 20.5  | --   | --  | --  | --  | --   | 20  |
| 26... | 138  | 28.5  | 21.5  | 32   | .09   | .04   | <.020   | 3.3  | 20  |
| NOV   |  |   |   |  |   |   |   |  |   |
| 29... | 144  | 23.1  | 15.2  | 31   | .09   | .1  | <.020   | 2.8  | --  |
| DEC   |  |   |   |  |   |   |   |  |   |
| 07... | 144  | 18.0  | 13.0  | 31   | .10   | .1  | <.020   | 3.2  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02343260 CHATTAHOOCHEE RIVER AT FORT GAINES, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) |
|--------------|------|---|---|---|--|--|---|---|--|--|---|
| JUN<br>29... | 1345 | 81213   | 3.7   | 48  | 7.3  | 122  | 31.3  | 28.7  | 7.8  | 1.6  | <1.0  |
| OCT<br>26... | 1225 | 81213   | 7.6   | 86  | 7.5  | 138  | 28.5  | 21.5  | 7.4  | 1.7  | <1.0  |

| DATE         | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|--|--|---|--|--|--|--|---|---|--|
| JUN<br>29... | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 1.7  |
| OCT<br>26... | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 31°15'33", long 85°06'37", Early County, GA-Houston County, AL line, Hydrologic Unit 03130004, 1.3 miles downstream from Omusee Creek, 2.3 miles south of Columbia, AL; and at mile 46.5.

**DRAINAGE AREA.**--8,210 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--October 1982 to December 1995, January 2000 to December 2000 (discontinued).

**REMARKS.**--The flow at this station is regulated by Lake Sidney Lanier (station 02334400), West Point Lake (station 02339400), Lake Harding (station 02341000), and Walter F. George Lake (station 02343240). 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|---|---|--|--|
| JAN   |      |   |   |   |  |   |   |   |  |  |
| 27... | 1420 | 81213   | E11500  | 1.4   | 12   | 9.0                                     | 13.8  | 117   | 7.1  | 7.4  |
| FEB   |      |   |   |   |  |   |   |   |  |  |
| 10... | 1300 | 81213   | E11500  | --  | --   | --                                      | 11.8  | 103   | 7.5  | --   |
| 17... | 1430 | 81213   | E11400  | 1.3   | 10   | 8.6                                     | 10.7  | 98  | 7.6  | 7.4  |
| 24... | 1140 | 81213   | E7960   | --  | --   | --                                      | 10.4  | 97  | 7.3  | --   |
| MAR   |      |   |   |   |  |   |   |   |  |  |
| 30... | 1250 | 81213   | E8320   | .6  | <1   | 2.7                                     | 8.7   | 93  | 7.1  | 7.4  |
| APR   |      |   |   |   |  |   |   |   |  |  |
| 27... | 1150 | 81213   | E13800  | 1.2   | 8  | 4.5                                     | 8.5   | 93  | 7.5  | 7.3  |
| JUN   |      |   |   |   |  |   |   |   |  |  |
| 01... | 1120 | 81213   | E4560   | .1  | <1   | 1.9                                     | 7.9   | 98  | 7.2  | 7.2  |
| 08... | 0845 | 81213   | E3840   | --  | --   | --                                      | 7.5   | 92  | 7.2  | --   |
| 22... | 1130 | 81213   | E4610   | --  | --   | --                                      | --  | --  | 7.0  | --   |
| 29... | 1140 | 81213   | E2820   | 1.3   | 2  | 2.0                                     | 4.0   | 51  | 7.4  | 7.4  |
| JUL   |      |   |   |   |  |   |   |   |  |  |
| 25... | 1200 | 81213   | E3490   | 1.0   | 3  | 2.0                                     | 4.8   | 64  | 7.2  | 7.5  |
| AUG   |      |   |   |   |  |   |   |   |  |  |
| 31... | 1230 | 81213   | E3980   | 2.2   | 4  | 1.5                                     | 4.8   | 62  | 7.6  | 7.5  |
| SEP   |      |   |   |   |  |   |   |   |  |  |
| 07... | 1210 | 81213   | E4040   | --  | --   | --                                      | 4.8   | 60  | 7.2  | --   |
| 21... | 0945 | 81213   | E2370   | --  | 2  | 1.7                                     | 5.6   | 69  | 7.4  | 7.6  |
| 25... | 0955 | 81213   | E2890   | 2.1   | --   | --                                      | 6.6   | 82  | 7.2  | --   |
| 26... | 1045 | 81213   | E4020   | --  | --   | --                                      | 5.8   | 70  | 7.2  | --   |
| OCT   |      |   |   |   |  |   |   |   |  |  |
| 05... | 1100 | 81213   | --  | --  | --   | --                                      | 6.9   | 82  | 7.3  | --   |
| 19... | 1030 | 81213   | --  | --  | --   | --                                      | 6.4   | 71  | 7.3  | --   |
| 26... | 1030 | 81213   | --  | 1.0   | 2  | 1.6                                     | 5.9   | 65  | 7.2  | 7.4  |
| NOV   |      |   |   |   |  |   |   |   |  |  |
| 29... | 1230 | 81213   | --  | .8  | 2  | 3.0                                     | 8.4   | 81  | 7.2  | 7.4  |
| DEC   |      |   |   |   |  |   |   |   |  |  |
| 07... | 1240 | 81213   | --  | .5  | 3  | 2.8                                     | 9.6   | 90  | 7.6  | 7.6  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |  |   |   |   |  |   |
| 27... | 128   | 129  | 9.5   | 9.0   | 27   | .08   | .4  | .020  | 3.9  | 50  |
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 10... | --  | 129  | 20.5  | 9.6   | --   | --  | --  | --  | --   | <20   |
| 17... | 122   | 122  | 23.5  | 11.7  | 27   | .06   | .4  | .020  | 2.5  | <20   |
| 24... | --  | 122  | 23.5  | 12.7  | --   | --  | --  | --  | --   | <20   |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 30... | 112   | 112  | 31.0  | 18.4  | 24   | .11   | .5  | .020  | 2.7  | --  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 27... | 101   | 100  | 26.0  | 19.8  | 23   | .06   | .4  | <.020   | 2.6  | --  |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 01... | 105   | 104  | 31.9  | 26.8  | 24   | .15   | .2  | <.020   | 3.0  | 20  |
| 08... | --  | 106  | 25.4  | 26.2  | --   | --  | --  | --  | --   | <20   |
| 22... | --  | 115  | 37.0  | 27.9  | --   | --  | --  | --  | --   | <20   |
| 29... | 113   | 115  | 32.4  | 28.6  | 28   | .22   | .1  | .030  | 3.0  | 20  |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 25... | 117   | 117  | 34.0  | 30.3  | 30   | .19   | .1  | <.020   | 2.9  | --  |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 31... | 122   | 123  | 33.0  | 29.0  | 31   | .19   | .1  | <.020   | 3.1  | 20  |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 07... | --  | 123  | 22.5  | 27.0  | --   | --  | --  | --  | --   | <20   |
| 21... | 124   | 124  | 29.4  | 26.0  | 30   | .08   | .1  | .030  | 1.9  | --  |
| 25... | --  | 126  | 29.1  | 26.3  | --   | --  | --  | --  | --   | 170   |
| 26... | --  | 123  | 17.3  | 25.4  | --   | --  | --  | --  | --   | 80  |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 05... | --  | 128  | 31.0  | 24.4  | --   | --  | --  | --  | --   | <20   |
| 19... | --  | 135  | 25.2  | 20.9  | --   | --  | --  | --  | --   | 20  |
| 26... | 134   | 136  | 26.0  | 20.5  | 31   | .16   | .1  | <.020   | 3.0  | 20  |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 29... | 128   | 132  | 22.0  | 14.1  | 29   | .13   | .2  | <.020   | 3.1  | --  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 07... | 143   | 142  | 17.0  | 12.4  | 32   | .14   | .2  | <.020   | 3.0  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300)                     | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)     | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                    | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |  |
|--------------|------|--|---|--|---|--|--|--|--|--|--|--|
| DATE         |      | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097)        | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002)                        | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042)   | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147)              | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059)                      | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
| JUN<br>29... | 1140 | 81213  | E2820   | 4.0  | 51  | 7.4  | 115  | 32.4   | 28.6   | 6.7  | 1.6  |  |
| OCT<br>26... | 1030 | 81213  | --  | 5.9  | 65  | 7.2  | 136  | 26.0   | 20.5   | 7.0  | 1.6  |  |
| JUN<br>29... |      | <1.0   | <2.0  | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0   | <2.0   | 1.7  |
| OCT<br>26... |      | <1.0   | <4.0  | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0   | <2.0   | <2.0   |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344000 CHATTAHOOCHEE RIVER AT ALAGA, AL**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 31°06'54", long 85°02'43", Early County, GA-Houston County, AL line, Hydrologic Unit 03130004, at bridge on US Highway 84, 0.5 mile downstream from the Seaboard Coast Line railway bridge, 0.5 mile south of Alaga, AL; and at mile 34.4.

**DRAINAGE AREA.**--8340 mi<sup>2</sup>.

**PERIOD OF RECORD.**--February 1968 to July 1974, April 1995 to December 1995, January 2000 to December 2000 (discontinued).

**REMARKS.**--The flow at this station is regulated by Lake Sidney Lanier (station 02334400), West Point Lake (station 02339400), Lake Harding (station 02341000), and Walter F. George Lake (station 02343240). 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>TUR-<br>BID-<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>SUS-<br>PENDED<br>(NTU)<br>(00076) | OXYGEN,<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) |
|-------|------|--|---|--|--|--|---|---|--|---|
| JAN   |      |  |   |  |  |  |   |   |  |   |
| 27... | 1200 | 81213  | 1.3   | 26   | 18   | 13.9                                   | 117   | 7.0   | 7.4  | 127   |
| FEB   |      |  |   |  |  |  |   |   |  |   |
| 10... | 1100 | 81213  | --  | --   | --   | 12.3                                   | 108   | 7.4   | --   | --  |
| 17... | 1100 | 81213  | 2.3   | 19   | 14   | 11.3                                   | 103   | 7.6   | 7.2  | 149   |
| 24... | 1015 | 81213  | --  | --   | --   | 11.9                                   | 112   | 7.3   | --   | --  |
| MAR   |      |  |   |  |  |  |   |   |  |   |
| 30... | 1045 | 81213  | .5  | 4  | 3.8  | 10.2                                   | 109   | 7.3   | 7.4  | 120   |
| APR   |      |  |   |  |  |  |   |   |  |   |
| 27... | 0955 | 81213  | 1.2   | 11   | 5.0  | 9.1                                    | 100   | 7.5   | 7.4  | 104   |
| JUN   |      |  |   |  |  |  |   |   |  |   |
| 01... | 0945 | 81213  | .8  | 7  | 3.2  | 7.4                                    | 91  | 7.3   | 7.3  | 110   |
| 08... | 0955 | 81213  | --  | --   | --   | 6.5                                    | 81  | 7.3   | --   | --  |
| 22... | 1015 | 81213  | --  | --   | --   | 6.4                                    | 83  | 7.1   | --   | --  |
| 29... | 1000 | 81213  | 1.2   | 4  | 2.1  | 6.1                                    | 78  | 7.4   | 7.7  | 118   |
| JUL   |      |  |   |  |  |  |   |   |  |   |
| 25... | 1000 | 81213  | 1.0   | 4  | 2.3  | 5.7                                    | 75  | 7.4   | 7.5  | 124   |
| AUG   |      |  |   |  |  |  |   |   |  |   |
| 31... | 1050 | 81213  | 1.0   | 2  | 2.0  | 6.4                                    | 84  | 7.6   | 7.6  | 120   |
| SEP   |      |  |   |  |  |  |   |   |  |   |
| 07... | 1100 | 81213  | --  | --   | --   | 7.0                                    | 88  | 7.2   | --   | --  |
| 21... | 0830 | 81213  | --  | 2  | 3.0  | 6.7                                    | 82  | 7.4   | 7.5  | 144   |
| 25... | 0830 | 81213  | .9  | --   | --   | 7.4                                    | 94  | 7.3   | --   | --  |
| 26... | 0920 | 81213  | --  | --   | --   | 6.5                                    | 78  | 7.3   | --   | --  |
| OCT   |      |  |   |  |  |  |   |   |  |   |
| 05... | 1000 | 81213  | --  | --   | --   | 7.5                                    | 90  | 7.4   | --   | --  |
| 19... | 0930 | 81213  | --  | --   | --   | 7.8                                    | 88  | 7.3   | --   | --  |
| 26... | 0920 | 81213  | .8  | 3  | 2.6  | 6.8                                    | 76  | 7.2   | 7.5  | 140   |
| NOV   |      |  |   |  |  |  |   |   |  |   |
| 29... | 1100 | 81213  | .7  | 1  | 4.1  | 9.1                                    | 88  | 7.2   | 7.5  | 135   |
| DEC   |      |  |   |  |  |  |   |   |  |   |
| 07... | 1115 | 81213  | 1.4   | 4  | 2.2  | 10.9                                   | 101   | 7.4   | 7.5  | 140   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344000 CHATTAHOOCHEE RIVER AT ALAGA, AL--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|---|---|--|---|---|---|--|---|
| JAN   |  |   |   |  |   |   |   |  |   |
| 27... | 130  | 7.0   | 8.5   | 27   | .08   | .4  | .040  | 2.9  | 20  |
| FEB   |  |   |   |  |   |   |   |  |   |
| 10... | 150  | 18.5  | 10.0  | --   | --  | --  | --  | --   | <20   |
| 17... | 150  | 21.0  | 11.7  | 32   | .07   | .4  | .040  | 5.1  | 20  |
| 24... | 125  | 20.0  | 13.2  | --   | --  | --  | --  | --   | <20   |
| MAR   |  |   |   |  |   |   |   |  |   |
| 30... | 120  | 27.5  | 18.5  | 27   | .11   | .6  | .020  | 2.7  | --  |
| APR   |  |   |   |  |   |   |   |  |   |
| 27... | 103  | 22.5  | 19.9  | 24   | .05   | .4  | <.020   | 3.3  | --  |
| JUN   |  |   |   |  |   |   |   |  |   |
| 01... | 108  | 33.2  | 26.0  | 25   | .11   | .4  | .030  | 2.3  | 20  |
| 08... | 104  | 30.4  | 26.5  | --   | --  | --  | --  | --   | <20   |
| 22... | 119  | 34.0  | 28.8  | --   | --  | --  | --  | --   | 20  |
| 29... | 120  | 30.4  | 28.2  | 29   | .23   | .2  | .040  | 2.1  | 20  |
| JUL   |  |   |   |  |   |   |   |  |   |
| 25... | 125  | 32.0  | 29.7  | 31   | .16   | .2  | .030  | 2.9  | --  |
| AUG   |  |   |   |  |   |   |   |  |   |
| 31... | 121  | 31.0  | 29.6  | 28   | .12   | .1  | .020  | 2.6  | 20  |
| SEP   |  |   |   |  |   |   |   |  |   |
| 07... | 124  | 21.5  | 27.2  | --   | --  | --  | --  | --   | 50  |
| 21... | 144  | 26.8  | 26.3  | 33   | .13   | .2  | .040  | 2.5  | --  |
| 25... | 133  | 28.4  | 27.7  | --   | --  | --  | --  | --   | 80  |
| 26... | 140  | 19.5  | 25.3  | --   | --  | --  | --  | --   | 50  |
| OCT   |  |   |   |  |   |   |   |  |   |
| 05... | 132  | 30.5  | 25.2  | --   | --  | --  | --  | --   | <20   |
| 19... | 137  | 21.2  | 21.2  | --   | --  | --  | --  | --   | 20  |
| 26... | 142  | 24.0  | 20.8  | 31   | .13   | .1  | .030  | 2.7  | 20  |
| NOV   |  |   |   |  |   |   |   |  |   |
| 29... | 140  | 21.5  | 14.3  | 29   | .12   | .3  | .030  | 2.4  | --  |
| DEC   |  |   |   |  |   |   |   |  |   |
| 07... | 148  | 14.5  | 12.3  | 31   | .14   | .1  | <.020   | 2.5  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344000 CHATTAHOOCHEE RIVER AT ALAGA, AL--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) |
|--------------|------|---|--|---|--|--|---|---|--|--|---|
|              |      |   |  |   |  |  |   |   |  |  |   |
| OCT<br>26... | 0920 | 81213   | 6.8  | 76  | 7.2  | 142  | 24.0  | 20.8  | 7.1  | 1.7  | <1.0  |

| DATE         | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|--|--|---|--|--|--|--|---|---|--|
|              |  |  |   |  |  |  |  |   |   |  |
| OCT<br>26... | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 4.5  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344040 CHATTAHOOCHEE RIVER NEAR STEAM MILL, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 30°58'39", long 85°00'19", Seminole County, GA-Jackson County, FL line, Hydrologic Unit 03130004, at Herman E. Talmadge Bridge on Georgia Highway 91, 2.0 miles northwest of Steam Mill, and at mile 23.7.

**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.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>TUR-<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>ARDS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>ARDS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) |
|-------|------|---|---|--|---|---|---|---|---|---|
| JAN   |      |   |   |  |   |   |   |   |   |   |
| 27... | 0955 | 81213   | 3.1   | 21   | 18                                      | 14.7  | 118   | 7.2   | 7.4   | 137   |
| FEB   |      |   |   |  |   |   |   |   |   |   |
| 10... | 0930 | 81213   | --  | --   | --                                      | 12.4  | 108   | 7.3   | --  | --  |
| 17... | 0900 | 81213   | 1.1   | 14   | 11                                      | 11.3  | 103   | 7.5   | 7.4   | 124   |
| 24... | 0910 | 81213   | --  | --   | --                                      | 11.1  | 105   | 7.3   | --  | --  |
| MAR   |      |   |   |  |   |   |   |   |   |   |
| 30... | 0900 | 81213   | .5  | 4  | 3.6                                     | 9.1   | 97  | 7.2   | 7.6   | 118   |
| APR   |      |   |   |  |   |   |   |   |   |   |
| 27... | 0805 | 81213   | 1.6   | 12   | 7.4                                     | 8.9   | 96  | 7.4   | 7.5   | 124   |
| JUN   |      |   |   |  |   |   |   |   |   |   |
| 01... | 0715 | 81213   | 1.0   | 4  | 3.4                                     | 5.9   | 74  | 7.5   | 7.4   | 124   |
| 08... | 1145 | 81213   | --  | --   | --                                      | 5.3   | 67  | 7.3   | --  | --  |
| 22... | 0915 | 81213   | --  | --   | --                                      | 5.3   | 69  | 7.0   | --  | --  |
| 29... | 0815 | 81213   | 1.5   | 2  | 2.7                                     | 4.8   | 63  | 7.5   | 7.3   | 159   |
| JUL   |      |   |   |  |   |   |   |   |   |   |
| 25... | 0830 | 81213   | 1.1   | 4  | 2.4                                     | 5.5   | 72  | 7.3   | 7.5   | 133   |
| AUG   |      |   |   |  |   |   |   |   |   |   |
| 31... | 0915 | 81213   | 2.4   | 1  | 3.3                                     | 4.8   | 64  | 7.5   | 7.6   | 164   |
| SEP   |      |   |   |  |   |   |   |   |   |   |
| 07... | 0930 | 81213   | --  | --   | --                                      | 5.3   | 67  | 7.3   | --  | --  |
| 21... | 0700 | 81213   | --  | 1  | 2.8                                     | 6.1   | 75  | 7.4   | 7.5   | 143   |
| 25... | 0645 | 81213   | 1.2   | --   | --                                      | 5.9   | 74  | 7.3   | --  | --  |
| 26... | 0815 | 81213   | --  | --   | --                                      | 5.9   | 74  | 7.3   | --  | --  |
| OCT   |      |   |   |  |   |   |   |   |   |   |
| 05... | 0845 | 81213   | --  | --   | --                                      | 6.4   | 78  | 7.3   | --  | --  |
| 19... | 0830 | 81213   | --  | --   | --                                      | 7.7   | 85  | 7.2   | --  | --  |
| 26... | 0800 | 81213   | 1.3   | 3  | 3.7                                     | 6.6   | 74  | 7.3   | 7.6   | 185   |
| NOV   |      |   |   |  |   |   |   |   |   |   |
| 29... | 0930 | 81213   | 1.3   | 1  | 6.2                                     | 8.7   | 84  | 7.3   | 7.5   | 173   |
| DEC   |      |   |   |  |   |   |   |   |   |   |
| 07... | 1010 | 81213   | .6  | 3  | 2.4                                     | 10.8  | 100   | 7.1   | 7.5   | 141   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344040 CHATTAHOOCHEE RIVER NEAR STEAM MILL, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|---|---|--|---|---|---|--|---|
| JAN   |  |   |   |  |   |   |   |  |   |
| 27... | 138  | 1.5   | 6.8   | 30   | .11   | .4  | .060  | 3.0  | 130   |
| FEB   |  |   |   |  |   |   |   |  |   |
| 10... | 139  | 10.5  | 9.8   | --   | --  | --  | --  | --   | E20   |
| 17... | 126  | 20.0  | 11.7  | 27   | .05   | .4  | .020  | 3.3  | 50  |
| 24... | 130  | 17.5  | 13.3  | --   | --  | --  | --  | --   | <20   |
| MAR   |  |   |   |  |   |   |   |  |   |
| 30... | 118  | 24.0  | 18.3  | 26   | .12   | .6  | .020  | 2.5  | --  |
| APR   |  |   |   |  |   |   |   |  |   |
| 27... | 124  | 16.0  | 19.7  | 29   | .08   | .4  | .020  | 3.8  | --  |
| JUN   |  |   |   |  |   |   |   |  |   |
| 01... | 123  | 20.9  | 26.8  | 30   | .13   | .4  | .030  | 3.3  | 20  |
| 08... | 149  | 33.1  | 27.6  | --   | --  | --  | --  | --   | <20   |
| 22... | 143  | 31.0  | 28.7  | --   | --  | --  | --  | --   | <20   |
| 29... | 162  | 26.6  | 29.0  | 38   | .28   | .2  | .050  | 5.1  | 40  |
| JUL   |  |   |   |  |   |   |   |  |   |
| 25... | 134  | 26.0  | 30.1  | 32   | .18   | .2  | .030  | 3.3  | --  |
| AUG   |  |   |   |  |   |   |   |  |   |
| 31... | 165  | 26.5  | 29.6  | 40   | .19   | .2  | .030  | 4.4  | 20  |
| SEP   |  |   |   |  |   |   |   |  |   |
| 07... | 155  | 20.0  | 27.6  | --   | --  | --  | --  | --   | <20   |
| 21... | 144  | 25.6  | 26.5  | 34   | .16   | .3  | .040  | 2.4  | --  |
| 25... | 168  | 23.5  | 27.3  | --   | --  | --  | --  | --   | 20  |
| 26... | 152  | 16.3  | 26.9  | --   | --  | --  | --  | --   | 20  |
| OCT   |  |   |   |  |   |   |   |  |   |
| 05... | 156  | 27.2  | 24.8  | --   | --  | --  | --  | --   | <20   |
| 19... | 143  | 18.0  | 20.8  | --   | --  | --  | --  | --   | 20  |
| 26... | 189  | 11.5  | 21.4  | 41   | .24   | .2  | .040  | 5.1  | 20  |
| NOV   |  |   |   |  |   |   |   |  |   |
| 29... | 180  | 12.1  | 14.2  | 40   | .15   | .3  | .040  | 5.1  | --  |
| DEC   |  |   |   |  |   |   |   |  |   |
| 07... | 143  | 12.5  | 12.2  | 32   | .18   | .2  | <.020   | 3.2  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344040 CHATTAHOOCHEE RIVER NEAR STEAM MILL, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) |
|--------------|------|---|---|---|--|--|---|---|--|--|---|
| JUN<br>29... | 0815 | 81213   | 4.8   | 63  | 7.5  | 162  | 26.6  | 29.0  | 7.9  | 1.7  | <1.0  |
| OCT<br>26... | 0800 | 81213   | 6.6   | 74  | 7.3  | 189  | 11.5  | 21.4  | 8.4  | 1.7  | <1.0  |

| DATE         | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|--|--|---|--|--|--|--|---|---|--|
| JUN<br>29... | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 2.2  |
| OCT<br>26... | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 2.1  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344180 FLINT RIVER NEAR JONESBORO, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°32'14", long 84°22'35", Clayton County, Hydrologic Unit 03130005, at bridge on Georgia Highway 138, 0.8 mile west of US Highway 41, 1.5 miles northwest of Jonesboro, and at mile 338.1.

**DRAINAGE AREA.**--39.1 mi<sup>2</sup>.

**PERIOD OF RECORD.**--July 1975 to November 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) |
|-------|------|---|---|---|--|---|---|---|--|--|---|---|---|
| JAN   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 25... | 1100 | 81213   | 43  | 9.0   | 12   | 10                                      | 9.8   | 75.9  | 6.8  | 7.0  | 95  | 94  | 2.0   |
| FEB   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 07... | 1030 | 81213   | 24  | --  | --   | --                                      | 9.8   | 77.8  | 6.9  | --   | --  | 153   | 6.0   |
| 15... | 0930 | 81213   | 36  | --  | --   | --                                      | 7.2   | 66.0  | 6.7  | --   | --  | 102   | 12.0  |
| 24... | 0925 | 81213   | 22  | .7  | 4  | 7.4                                     | 8.5   | 78.4  | 7.0  | 7.3  | 115   | 114   | 12.5  |
| MAR   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 14... | 0830 | 81213   | 17  | 3.3   | 6  | 9.4                                     | 8.1   | 73.5  | 6.8  | 7.2  | 98  | 100   | 9.5   |
| APR   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 12... | 0840 | 81213   | 22  | .9  | 6  | 6.9                                     | 7.1   | 71.5  | 6.9  | 7.4  | 138   | 139   | 16.2  |
| MAY   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 02... | 0820 | 81213   | 20  | .9  | 9  | 10                                      | 6.1   | 65.3  | 6.9  | 7.4  | 104   | 104   | 20.5  |
| 08... | 0900 | 81213   | 19  | --  | --   | --                                      | 5.7   | 64.1  | 6.9  | --   | --  | 114   | 22.0  |
| 11... | 0805 | 81213   | 19  | --  | --   | --                                      | 4.9   | 55.0  | 6.9  | --   | --  | 120   | 17.5  |
| JUN   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 01... | 1055 | 81213   | 16  | .7  | 20   | 13                                      | 7.0   | 80.9  | 7.2  | 7.4  | 150   | 149   | 28.1  |
| JUL   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 13... | 0645 | 81213   | 26  | 1.3   | 300  | 270                                     | 4.7   | 58.2  | 6.9  | 7.1  | 89  | 92  | 24.3  |
| 20... | 1010 | 81213   | 6.6   | --  | --   | --                                      | 5.5   | 69.4  | 7.2  | --   | --  | 129   | 28.4  |
| 27... | 1115 | 81213   | 15  | --  | --   | --                                      | 5.5   | 65.2  | 6.9  | --   | --  | 140   | 26.8  |
| AUG   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 03... | 1230 | 81213   | 15  | .7  | 8  | 10                                      | 6.3   | 77.4  | 7.2  | 7.5  | 111   | 113   | 32.3  |
| SEP   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 12... | 0845 | 81213   | 17  | 1.5   | 8  | 9.0                                     | 5.5   | 64.0  | 6.9  | 7.4  | 117   | 118   | 23.7  |
| 14... | 0815 | 81213   | 19  | --  | --   | --                                      | 4.7   | 56.4  | 6.9  | --   | --  | 134   | 26.0  |
| 20... | 0810 | 81213   | 16  | --  | --   | --                                      | 5.3   | 58.6  | 6.9  | --   | --  | 133   | 23.5  |
| OCT   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 10... | 0850 | 81213   | 24  | .6  | 27   | 33                                      | 7.6   | 69.2  | 6.6  | 7.5  | 92  | 96  | 9.0   |
| NOV   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 16... | 0940 | 81213   | 22  | 4.9   | 12   | 22                                      | 7.2   | 64.4  | 7.0  | 7.5  | 146   | 156   | 9.3   |
| DEC   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 12... | 0945 | 81213   | 24  | 1.3   | 6  | 7.6                                     | 8.2   | 72.1  | 6.8  | 7.5  | 131   | 135   | 6.5   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344180 FLINT RIVER NEAR JONESBORO, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|--------------|---|--|---|---|---|--|---|
| JAN<br>25... | 3.1   | 24   | .17   | .6  | .030  | 3.2  | 330   |
| FEB<br>07... | 5.1   | --   | --  | --  | --  | --   | 20  |
| 15...        | 10.4  | --   | --  | --  | --  | --   | 310   |
| 24...        | 11.4  | 35   | .16   | .4  | <.020   | 2.3  | 20  |
| MAR<br>14... | 10.2  | 31   | .12   | .3  | .020  | 3.1  | --  |
| APR<br>12... | 15.2  | 36   | .11   | .7  | <.020   | 2.3  | --  |
| MAY<br>02... | 17.4  | 35   | .14   | .3  | .020  | 2.9  | 50  |
| 08...        | 20.1  | --   | --  | --  | --  | --   | 140   |
| 11...        | 19.5  | --   | --  | --  | --  | --   | 220   |
| JUN<br>01... | 21.8  | 40   | .10   | .6  | .030  | 2.9  | 110   |
| JUL<br>13... | 24.9  | 25   | .15   | .3  | .220  | 5.2  | 790   |
| 20...        | 25.9  | --   | --  | --  | --  | --   | 330   |
| 27...        | 23.0  | --   | --  | --  | --  | --   | 210   |
| AUG<br>03... | 24.8  | 33   | .07   | .3  | .030  | 3.3  | 170   |
| SEP<br>12... | 21.7  | 36   | .06   | .4  | <.020   | 2.5  | 50  |
| 14...        | 23.0  | --   | --  | --  | --  | --   | 790   |
| 20...        | 19.6  | --   | --  | --  | --  | --   | <20   |
| OCT<br>10... | 11.0  | 31   | .18   | .2  | .040  | 3.3  | 490   |
| NOV<br>16... | 9.4   | 41   | .25   | .5  | .070  | 4.3  | --  |
| DEC<br>12... | 9.1   | 38   | .15   | .3  | <.020   | 2.6  | --  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344180 FLINT RIVER NEAR JONESBORO, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301) | PH WATER WHOLE FIELD (STANDARD UNITS) (00400) | SPECIFIC CONDUCTANCE (US/CM) (00095) | TEMPERATURE AIR (DEG C) (00020) | TEMPERATURE WATER (DEG C) (00010) | CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916) | MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927) | ANTIMONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) |
|-----------|------|--|---|-----------------------------------|--|---|--------------------------------------|---------------------------------|-----------------------------------|--|---|--------------------------------------|------------------------------------|
| MAR 14... | 0830 | 81213                                  | 17  | 8.1                               | 73.5   | 6.8   | 100                                  | 9.5                             | 10.2                              | 8.6  | 1.8   | <1.0                                 | <2.0                               |
| AUG 03... | 1230 | 81213                                  | 15  | 6.3                               | 77.4   | 7.2   | 113                                  | 32.3                            | 24.8                              | 11   | 1.9   | <1.0                                 | <2.0                               |

| DATE      | CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | SELENIUM, TOTAL (UG/L AS SE) (01147) | THALIUM, TOTAL (UG/L AS TL) (01059) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|-----------|--|--|--|--|--|--|--------------------------------------|-------------------------------------|--|
| MAR 14... | <.5  | <1.0   | 3.0  | 1.9  | <.1  | <1.0   | <2.0                                 | <2.0                                | 8.1  |
| AUG 03... | <.5  | <1.0   | 1.5  | 1.4  | <.1  | 1.1  | <2.0                                 | <2.0                                | 11   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344190 FLINT RIVER NEAR FAYETTEVILLE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°29'13", long 84°23'44", Fayette-Clayton County line, Hydrologic Unit 03130005, at bridge on Georgia Highway 54, 200 feet east of Thomas Road, 0.2 mile upstream from Camp Creek, 4.4 miles northeast of Fayetteville, and at mile 333.7.

**DRAINAGE AREA.**--49 mi<sup>2</sup>.

**PERIOD OF RECORD.**--July 1975 to November 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(CODE<br>00028) | DIS-<br>CHARGE,<br>INST-<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) |      |
|-------|------|---|---|---|--|---|--|---|--|---|---|---|------|
| JAN   |      |   |   |   |  |   |  |   |  |   |   |   |      |
| 25... | 1240 | 81213   | E43   | 9.0   | 3  | 26                                      | 9.5  | 73.7  | 6.8  | 6.9   | 72  | 73  | 2.5  |
| FEB   |      |   |   |   |  |   |  |   |  |   |   |   |      |
| 07... | 1200 | 81213   | E24   | --  | --   | --                                      | 9.0  | 72.1  | 6.9  | --  | --  | 137   | 7.0  |
| 15... | 1115 | 81213   | E36   | --  | --   | --                                      | 6.6  | 60.4  | 7.0  | --  | --  | 86  | 15.5 |
| 24... | 1020 | 81213   | E22   | .7  | 6  | 8.4                                     | 8.8  | 79.9  | 7.1  | 7.4   | 111   | 110   | 13.0 |
| MAR   |      |   |   |   |  |   |  |   |  |   |   |   |      |
| 14... | 1000 | 81213   | E17   | 1.1   | 10   | 13                                      | 8.5  | 76.4  | 7.0  | 7.2   | 94  | 96  | 12.4 |
| APR   |      |   |   |   |  |   |  |   |  |   |   |   |      |
| 12... | 0750 | 81213   | E22   | 1.1   | 12   | 13                                      | 7.3  | 71.8  | 6.9  | 7.7   | 111   | 111   | 15.5 |
| MAY   |      |   |   |   |  |   |  |   |  |   |   |   |      |
| 02... | 0745 | 81213   | E20   | .9  | 19   | 20                                      | 6.0  | 62.7  | 7.0  | 7.5   | 104   | 105   | 16.9 |
| 08... | 1030 | 81213   | E129  | --  | --   | --                                      | 5.9  | 65.5  | 7.1  | --  | --  | 108   | 24.0 |
| 11... | 0730 | 81213   | E19   | --  | --   | --                                      | 5.1  | 56.9  | 7.0  | --  | --  | 107   | 17.2 |
| JUN   |      |   |   |   |  |   |  |   |  |   |   |   |      |
| 01... | 1000 | 81213   | E16   | .8  | 20   | 25                                      | 6.3  | 72.0  | 7.3  | 7.4   | 107   | 106   | 28.0 |
| JUL   |      |   |   |   |  |   |  |   |  |   |   |   |      |
| 13... | 0745 | 81213   | E26   | 1.2   | 42   | 61                                      | 5.3  | 65.2  | 7.1  | 7.1   | 98  | 98  | 24.6 |
| 20... | 0920 | 81213   | E6.6  | --  | --   | --                                      | 4.6  | 58.2  | 7.2  | --  | --  | 112   | 27.8 |
| 27... | 1035 | 81213   | E15   | --  | --   | --                                      | 6.3  | 74.4  | 6.8  | --  | --  | 107   | 30.4 |
| AUG   |      |   |   |   |  |   |  |   |  |   |   |   |      |
| 03... | 1015 | 81213   | E15   | .7  | 19   | 22                                      | 6.2  | 74.0  | 7.1  | 7.3   | 101   | 108   | 25.5 |
| SEP   |      |   |   |   |  |   |  |   |  |   |   |   |      |
| 12... | 0810 | 81213   | E17   | 1.8   | 17   | 18                                      | 5.9  | 68.2  | 6.8  | 7.5   | 110   | 112   | 19.0 |
| 14... | 0740 | 81213   | E19   | --  | --   | --                                      | 5.7  | 67.8  | 6.8  | --  | --  | 113   | 23.0 |
| 20... | 0735 | 81213   | E16   | --  | --   | --                                      | 6.4  | 70.4  | 6.9  | --  | --  | 137   | 17.5 |
| OCT   |      |   |   |   |  |   |  |   |  |   |   |   |      |
| 10... | 0815 | 81213   | E24   | .4  | 6  | 14                                      | 8.6  | 77.5  | 6.8  | 7.5   | 86  | 88  | 2.6  |
| NOV   |      |   |   |   |  |   |  |   |  |   |   |   |      |
| 16... | 0855 | 81213   | E22   | .8  | 6  | 7.8                                     | 7.9  | 69.9  | 6.9  | 7.5   | 109   | 114   | 6.8  |
| DEC   |      |   |   |   |  |   |  |   |  |   |   |   |      |
| 12... | 0900 | 81213   | E24   | .8  | 5  | 7.2                                     | 8.4  | 73.4  | 6.9  | 7.7   | 124   | 126   | 5.5  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344190 FLINT RIVER NEAR FAYETTEVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |   |  |   |
| 25... | 3.3   | 19   | .12   | .5  | .040  | 5.1  | 70  |
| FEB   |   |  |   |   |   |  |   |
| 07... | 5.1   | --   | --  | --  | --  | --   | 20  |
| 15... | 10.6  | --   | --  | --  | --  | --   | 330   |
| 24... | 10.9  | 35   | .08   | .3  | <.020   | 2.5  | 20  |
| MAR   |   |  |   |   |   |  |   |
| 14... | 10.1  | 30   | .09   | .3  | .040  | 3.0  | --  |
| APR   |   |  |   |   |   |  |   |
| 12... | 14.3  | 32   | .08   | .5  | .040  | 2.6  | --  |
| MAY   |   |  |   |   |   |  |   |
| 02... | 16.8  | 36   | .13   | .4  | .050  | 2.6  | 20  |
| 08... | 19.4  | --   | --  | --  | --  | --   | <20   |
| 11... | 19.5  | --   | --  | --  | --  | --   | 50  |
| JUN   |   |  |   |   |   |  |   |
| 01... | 21.0  | 37   | .11   | .3  | .070  | 3.1  | 60  |
| JUL   |   |  |   |   |   |  |   |
| 13... | 24.5  | 24   | .16   | .3  | .090  | 5.4  | 790   |
| 20... | 25.9  | --   | --  | --  | --  | --   | 170   |
| 27... | 22.8  | --   | --  | --  | --  | --   | 330   |
| AUG   |   |  |   |   |   |  |   |
| 03... | 23.7  | 27   | .11   | .3  | .050  | 3.4  | 130   |
| SEP   |   |  |   |   |   |  |   |
| 12... | 21.4  | 33   | .07   | .3  | .040  | 3.1  | 700   |
| 14... | 22.8  | --   | --  | --  | --  | --   | 40  |
| 20... | 19.4  | --   | --  | --  | --  | --   | <20   |
| OCT   |   |  |   |   |   |  |   |
| 10... | 10.3  | 26   | .12   | .1  | .040  | 2.6  | 50  |
| NOV   |   |  |   |   |   |  |   |
| 16... | 9.2   | 34   | .08   | .2  | .030  | 2.5  | --  |
| DEC   |   |  |   |   |   |  |   |
| 12... | 9.1   | 36   | .12   | .2  | <.020   | 2.9  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344190 FLINT RIVER NEAR FAYETTEVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|---|--|
| MAR<br>14... | 1000 | 81213   | E17   | 8.5   | 76.4  | 7.0  | 96   | 12.4  | 10.1  | 8.4  | 1.7  | <1.0  | <2.0   |
| AUG<br>03... | 1015 | 81213   | E15   | 6.2   | 74.0  | 7.1  | 108  | 25.5  | 23.7  | 9.4  | 1.7  | <1.0  | <2.0   |

| DATE         | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |     |
|--------------|--|---|--|--|--|--|---|---|--|-----|
| MAR<br>14... |  | <.5   | <1.0   | 1.3  | 1.3  | <.1  | <1.0  | <2.0  | <2.0   | 4.9 |
| AUG<br>03... |  | <.5   | <1.0   | <1.0   | 1.0  | <.1  | <1.0  | <2.0  | <2.0   | 8.3 |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344300 CAMP CREEK NEAR FAYETTEVILLE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°31'00", long 84°25'39", Clayton-Fayette County line, Hydrologic Unit 03130005, at bridge on Georgia Highway 85, 3.5 miles upstream from mouth, and 5.2 miles north of Fayetteville.

**DRAINAGE AREA.**--17.2 mi<sup>2</sup>.

**PERIOD OF RECORD.**--April 1995 to November 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>ARDS)<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARDS)<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|--|---|---|--|
| JAN   |      |   |   |   |   |   |  |   |   |  |
| 25... | 1200 | 81213   | 9.4   | .9  | 10  | 13                                      | 10.3   | 81  | 7.1   | 7.1  |
| FEB   |      |   |   |   |   |   |  |   |   |  |
| 07... | 1115 | 81213   | 6.5   | --  | --  | --                                      | 11.3   | 91  | 7.0   | --   |
| 15... | 1030 | 81213   | 7.3   | --  | --  | --                                      | 9.6  | 85  | 7.1   | --   |
| 24... | 0845 | 81213   | 5.6   | 1.3   | 6   | 4.8                                     | 9.2  | 82  | 7.0   | 7.2  |
| MAR   |      |   |   |   |   |   |  |   |   |  |
| 14... | 0910 | 81213   | 5.3   | 1.3   | 13  | 11                                      | 9.8  | 84  | 7.1   | 7.3  |
| APR   |      |   |   |   |   |   |  |   |   |  |
| 12... | 0615 | 81213   | 7.6   | .7  | 8   | 7.9                                     | 8.3  | 82  | 6.9   | 7.7  |
| MAY   |      |   |   |   |   |   |  |   |   |  |
| 02... | 0610 | 81213   | 6.1   | .6  | 8   | 7.0                                     | 7.7  | 78  | 6.9   | 7.7  |
| 08... | 0950 | 81213   | 6.4   | --  | --  | --                                      | 7.2  | 77  | 7.1   | --   |
| 11... | 0605 | 81213   | 5.7   | --  | --  | --                                      | 6.7  | 72  | 6.9   | --   |
| JUN   |      |   |   |   |   |   |  |   |   |  |
| 01... | 0710 | 81213   | 4.8   | .8  | 24  | 16                                      | 7.3  | 78  | 7.1   | 7.3  |
| JUL   |      |   |   |   |   |   |  |   |   |  |
| 13... | 1005 | 81213   | 3.5   | .9  | 31  | 25                                      | 5.7  | 69  | 7.1   | 7.2  |
| 20... | 0715 | 81213   | 3.1   | --  | --  | --                                      | 5.2  | 63  | 7.0   | --   |
| 27... | 0700 | 81213   | 3.8   | --  | --  | --                                      | 8.9  | 101   | 6.8   | --   |
| AUG   |      |   |   |   |   |   |  |   |   |  |
| 03... | 1130 | 81213   | 4.5   | 1.3   | 12  | 10                                      | 6.1  | 73  | 7.1   | 7.3  |
| SEP   |      |   |   |   |   |   |  |   |   |  |
| 12... | 0630 | 81213   | 4.4   | 1.3   | 6   | 6.1                                     | 6.2  | 70  | 6.8   | 7.3  |
| 14... | 0615 | 81213   | 4.3   | --  | --  | --                                      | 6.3  | 73  | 6.8   | --   |
| 20... | 0615 | 81213   | 4.1   | --  | --  | --                                      | 6.8  | 74  | 6.9   | --   |
| OCT   |      |   |   |   |   |   |  |   |   |  |
| 10... | 0640 | 81213   | 5.0   | .4  | 4   | 6.2                                     | 8.7  | 77  | 6.8   | 7.4  |
| NOV   |      |   |   |   |   |   |  |   |   |  |
| 16... | 0720 | 81213   | 5.7   | 1.0   | 4   | 6.7                                     | 8.4  | 74  | 6.9   | 7.2  |
| DEC   |      |   |   |   |   |   |  |   |   |  |
| 12... | 0730 | 81213   | 6.2   | .8  | 6   | 7.2                                     | 8.8  | 79  | 6.8   | 7.5  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344300 CAMP CREEK NEAR FAYETTEVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |  |   |   |   |  |   |
| 25... | 79  | 80   | 2.5   | 3.8   | 23   | .10   | .5  | .020  | 3.0  | 210   |
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 07... | --  | 91   | 6.0   | 5.3   | --   | --  | --  | --  | --   | 70  |
| 15... | --  | 84   | 12.5  | 9.3   | --   | --  | --  | --  | --   | 110   |
| 24... | 97  | 97   | 12.0  | 10.0  | 34   | .35   | .5  | <.020   | 1.8  | 1100  |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 14... | 91  | 93   | 9.5   | 8.2   | 33   | .08   | .5  | <.020   | 1.7  | --  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 12... | 89  | 90   | 11.8  | 13.9  | 32   | .09   | .5  | <.020   | 1.7  | --  |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 02... | 91  | 90   | 12.5  | 15.5  | 35   | .09   | .5  | <.020   | 1.3  | 50  |
| 08... | --  | 93   | 22.9  | 17.1  | --   | --  | --  | --  | --   | 80  |
| 11... | --  | 96   | 12.5  | 17.5  | --   | --  | --  | --  | --   | 230   |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 01... | 93  | 96   | 20.4  | 17.9  | 36   | .13   | .5  | .030  | 1.9  | 50  |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 13... | 75  | 75   | 27.6  | 23.6  | 26   | .11   | .3  | .050  | 2.7  | 230   |
| 20... | --  | 95   | 23.9  | 23.6  | --   | --  | --  | --  | --   | 460   |
| 27... | --  | 92   | 21.7  | 21.0  | --   | --  | --  | --  | --   | 230   |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 03... | 86  | 89   | 28.0  | 22.9  | 35   | .11   | .2  | <.020   | 2.9  | 330   |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 12... | 90  | 93   | 15.9  | 20.4  | 35   | .09   | .4  | <.020   | 2.1  | 700   |
| 14... | --  | 93   | 21.0  | 21.6  | --   | --  | --  | --  | --   | 330   |
| 20... | --  | 93   | 15.6  | 18.5  | --   | --  | --  | --  | --   | 330   |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 10... | 87  | 91   | -.5   | 9.8   | 33   | .12   | .4  | <.020   | 1.7  | 80  |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 16... | 92  | 96   | 5.0   | 8.7   | 35   | .08   | .3  | <.020   | 2.0  | --  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 12... | 92  | 94   | 6.5   | 10.0  | 33   | .06   | .4  | <.020   | 2.1  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344300 CAMP CREEK NEAR FAYETTEVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)     | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                    | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |  |
|--------------|------|---|---|---|---|--|--|--|--|--|--|--|
| DATE         |      | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097)             | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002)                        | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027)          | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042)   | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147)              | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059)                      | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
| MAR<br>14... | 0910 | 81213   | 5.3   | 9.8   | 84  | 7.1  | 93   | 9.5  | 8.2  | 6.9  | 2.1  |  |
| AUG<br>03... | 1130 | 81213   | 4.5   | 6.1   | 73  | 7.1  | 89   | 28.0   | 22.9   | 7.0  | 2.1  |  |
| MAR<br>14... | <1.0 | <2.0  | <.5   | <1.0  | 1.3   | 1.1  | <.1  | <1.0   | <2.0   | <2.0   | 6.0  |  |
| AUG<br>03... | <1.0 | <2.0  | <.5   | <1.0  | <1.0  | <1.0   | <.1  | <1.0   | <2.0   | <2.0   | 4.5  |  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344380 FLINT RIVER NEAR INMAN, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°23'08", long 84°23'24", Fayette-Clayton County line, Hydrologic Unit 03130005, at the bridge on the former Hill Bridge Road crossing, 0.6 mile downstream from Gay Creek, and 1.4 miles east of Georgia Highway 92 at Inman, and at mile 322.3.

**DRAINAGE AREA.**--158 mi<sup>2</sup>.

**PERIOD OF RECORD.**--July 1975 to November 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>PH<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|--|---|--|--|
| JAN   |      |   |   |   |  |   |  |   |  |  |
| 25... | 1350 | 81213   | 498   | 9.0   | 16   | 20                                      | 8.7  | 67  | 6.8  | 6.7  |
| FEB   |      |   |   |   |  |   |  |   |  |  |
| 07... | 1300 | 81213   | 446   | --  | --   | --                                      | 9.0  | 72  | 6.9  | --   |
| 15... | 1300 | 81213   | 294   | --  | --   | --                                      | 8.2  | 76  | 6.9  | --   |
| 24... | 0735 | 81213   | 65  | .8  | 6  | 8.4                                     | 7.3  | 66  | 7.1  | 7.3  |
| MAR   |      |   |   |   |  |   |  |   |  |  |
| 14... | 1110 | 81213   | 84  | 1.2   | 8  | 14                                      | 9.3  | 86  | 7.1  | 7.4  |
| APR   |      |   |   |   |  |   |  |   |  |  |
| 12... | 0705 | 81213   | 79  | .9  | 11   | 14                                      | 8.1  | 80  | 6.9  | 7.5  |
| MAY   |      |   |   |   |  |   |  |   |  |  |
| 02... | 0710 | 81213   | 46  | .6  | 10   | 12                                      | 7.3  | 77  | 7.0  | 7.6  |
| 08... | 1145 | 81213   | 39  | --  | --   | --                                      | 7.0  | 80  | 6.9  | --   |
| 11... | 0650 | 81213   | 35  | --  | --   | --                                      | 6.4  | 72  | 7.0  | --   |
| JUN   |      |   |   |   |  |   |  |   |  |  |
| 01... | 0835 | 81213   | 25  | 3.4   | 10   | 13                                      | 6.9  | 78  | 7.2  | 7.3  |
| JUL   |      |   |   |   |  |   |  |   |  |  |
| 13... | 0845 | 81213   | 46  | .8  | 8  | 12                                      | 6.0  | 75  | 7.4  | 7.6  |
| 20... | 0815 | 81213   | 3.6   | --  | --   | --                                      | 5.5  | 69  | 7.2  | --   |
| 27... | 0900 | 81213   | 46  | --  | --   | --                                      | 6.3  | 74  | 6.9  | --   |
| AUG   |      |   |   |   |  |   |  |   |  |  |
| 03... | 0830 | 81213   | 61  | 1.0   | 18   | 28                                      | 6.1  | 73  | 6.7  | 7.1  |
| SEP   |      |   |   |   |  |   |  |   |  |  |
| 12... | 0715 | 81213   | 37  | 1.7   | 10   | 14                                      | 6.2  | 71  | 6.8  | 7.4  |
| 14... | 0655 | 81213   | 54  | --  | --   | --                                      | 6.3  | 74  | 6.8  | --   |
| 20... | 0650 | 81213   | 44  | --  | --   | --                                      | 7.3  | 81  | 7.0  | --   |
| OCT   |      |   |   |   |  |   |  |   |  |  |
| 10... | 0735 | 81213   | 38  | .5  | 5  | 15                                      | 8.7  | 80  | 6.8  | 7.5  |
| NOV   |      |   |   |   |  |   |  |   |  |  |
| 16... | 0815 | 81213   | 39  | .9  | 5  | 9.9                                     | 9.0  | 80  | 6.8  | 7.1  |
| DEC   |      |   |   |   |  |   |  |   |  |  |
| 12... | 0820 | 81213   | 35  | .9  | 4  | 7.7                                     | 9.8  | 86  | 6.9  | 7.6  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344380 FLINT RIVER NEAR INMAN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>AS<br>CACO3<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L)<br>AS N<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L)<br>AS N<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L)<br>AS P<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L)<br>AS C<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |  |   |   |   |  |   |
| 25... | 53  | 53   | 2.9   | 3.1   | 14   | .06   | .3  | .050  | 3.2  | 790   |
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 07... | --  | 100  | 8.8   | 5.0   | --   | --  | --  | --  | --   | 20  |
| 15... | --  | 87   | 17.5  | 11.2  | --   | --  | --  | --  | --   | 1300  |
| 24... | 96  | 97   | 7.0   | 10.4  | 30   | .16   | .4  | .020  | 2.6  | 20  |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 14... | 85  | 85   | 18.0  | 11.7  | 27   | .10   | .3  | .050  | 2.7  | --  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 12... | 87  | 88   | 9.5   | 14.5  | 28   | .07   | .4  | .040  | 3.2  | --  |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 02... | 97  | 100  | 11.5  | 16.6  | 33   | .11   | .5  | .050  | 2.9  | 20  |
| 08... | --  | 99   | 25.0  | 20.6  | --   | --  | --  | --  | --   | <20   |
| 11... | --  | 99   | 12.5  | 19.6  | --   | --  | --  | --  | --   | 40  |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 01... | 100   | 102  | 22.3  | 20.6  | 34   | .14   | .4  | .060  | 2.6  | 80  |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 13... | 117   | 118  | 24.5  | 25.3  | 40   | .13   | .2  | .060  | 2.6  | 110   |
| 20... | --  | 101  | 26.4  | 25.5  | --   | --  | --  | --  | --   | 20  |
| 27... | --  | 98   | 23.9  | 22.6  | --   | --  | --  | --  | --   | 80  |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 03... | 80  | 86   | 22.8  | 23.5  | 19   | .10   | .2  | .070  | 3.7  | 20  |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 12... | 104   | 106  | 16.0  | 21.2  | 31   | .15   | .4  | .050  | 4.9  | 130   |
| 14... | --  | 106  | 20.4  | 22.6  | --   | --  | --  | --  | --   | 80  |
| 20... | --  | 119  | 14.8  | 19.5  | --   | --  | --  | --  | --   | <20   |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 10... | 96  | 99   | .5  | 11.2  | 23   | .18   | .5  | .060  | 2.9  | 310   |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 16... | 94  | 98   | 6.2   | 9.5   | 28   | .11   | .2  | .050  | 2.9  | --  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 12... | 102   | 105  | 5.9   | 8.8   | 30   | .11   | .3  | <.020   | 3.0  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344380 FLINT RIVER NEAR INMAN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>CHARGE,<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|--|---|---|---|--|--|---|---|--|--|
| MAR<br>14... | 1110 | 81213  | 84  | 9.3   | 86  | 7.1  | 85   | 18.0  | 11.7  | 6.8  | 1.6  |
| AUG<br>03... | 0830 | 81213  | 61  | 6.1   | 73  | 6.7  | 86   | 22.8  | 23.5  | 6.4  | 1.4  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>14... | <1.0  | <2.0   | <.5  | <1.0  | 1.1  | 1.0  | <.1  | <1.0   | <2.0  | <2.0  | 2.5  |
| AUG<br>03... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | 1.5  | <.1  | <1.0   | <2.0  | <2.0  | 6.9  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344400 FLINT RIVER ABOVE GRIFFIN, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°18'33", long 84°23'36", Spalding-Fayette County line, Hydrologic Unit 03130005, at bridge on Georgia Highway 92, 3.4 miles upstream from the Central of Georgia Railroad bridge, 8.5 miles northwest of Griffin, and at mile 313.2.

**DRAINAGE AREA.**--194 mi<sup>2</sup>.

**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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ARD<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) |
|-------|------|---|---|---|--|---|---|---|--|--|---|---|---|
| JAN   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 26... | 1030 | 81213   | 291   | 8.8   | 13   | 19                                      | 9.3   | 67.5  | 6.5  | 6.5  | 56  | 55  | 0   |
| FEB   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 16... | 1100 | 81213   | 249   | --  | --   | --                                      | 8.3   | 65.8  | 6.9  | --   | --  | 71  | 20.0  |
| 23... | 0930 | 81213   | 62  | --  | --   | --                                      | 8.4   | 78.1  | 7.2  | --   | --  | 83  | 14.5  |
| 24... | 0945 | 81213   | 57  | .8  | 6  | 9.0                                     | 8.7   | 81.9  | 7.2  | 7.3  | 83  | 85  | 17.0  |
| MAR   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 15... | 0910 | 81213   | 63  | .9  | <1   | 12                                      | 9.0   | 84.6  | 6.9  | 7.3  | 82  | 84  | 18.0  |
| APR   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 10... | 0930 | 81213   | 70  | 2.0   | 8  | 15                                      | 7.8   | 73.9  | 6.9  | 7.6  | 77  | 74  | 11.5  |
| MAY   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 31... | 1110 | 81213   | 30  | 2.3   | 9  | 12                                      | 6.3   | 73.7  | 7.4  | 7.3  | 100   | 100   | 22.0  |
| JUN   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 13... | 0840 | 81213   | 9.2   | --  | --   | --                                      | 5.2   | 63.8  | 7.1  | --   | --  | 98  | 25.0  |
| 27... | 0830 | 81213   | 17  | --  | --   | --                                      | 4.8   | 58.7  | 7.0  | --   | --  | 107   | 20.9  |
| 29... | 0910 | 81213   | 33  | 1.5   | 8  | 9.8                                     | 6.1   | 76.9  | 7.0  | 7.6  | 110   | 112   | 24.9  |
| JUL   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 11... | 0845 | 81213   | 8.9   | --  | --   | --                                      | 4.6   | 59.2  | 7.0  | --   | --  | 101   | 25.9  |
| 18... | 0840 | 81213   | 13  | .8  | 13   | 15                                      | 4.1   | 51.5  | 7.0  | 7.6  | 101   | 103   | 23.5  |
| 26... | 0805 | 81213   | 110   | --  | --   | --                                      | 5.4   | 63.4  | 6.5  | --   | --  | 89  | 22.1  |
| AUG   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 01... | 0835 | 81213   | 37  | 1.2   | 14   | 25                                      | 5.3   | 64.4  | 6.6  | 7.1  | 83  | 84  | 23.5  |
| SEP   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 26... | 0800 | 81213   | 50  | 1.1   | 93   | 57                                      | 6.4   | 73.4  | 7.0  | 7.2  | 78  | 79  | 13.2  |
| OCT   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 17... | 1100 | 81213   | 8.9   | --  | --   | --                                      | 8.6   | 85.7  | 7.2  | --   | --  | 87  | 24.2  |
| 19... | 0830 | 81213   | 3.4   | --  | --   | --                                      | 7.7   | 78.1  | 7.0  | --   | --  | 100   | 14.6  |
| 23... | 0925 | 81213   | 8.6   | .7  | 9  | 10                                      | 6.6   | 68.3  | 7.0  | 7.5  | 100   | 102   | 18.4  |
| NOV   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 20... | 1155 | 81213   | 271   | 1.7   | 27   | 37                                      | 9.5   | 80.0  | 7.0  | 7.2  | 68  | 67  | 11.1  |
| DEC   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 07... | 1215 | 81213   | 39  | .7  | 3  | 8.6                                     | 10.5  | 84.6  | 7.2  | 7.3  | 101   | 99  | 10.5  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344400 FLINT RIVER ABOVE GRIFFIN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |   |  |   |
| 26... | 1.3   | 13   | .08   | .3  | .040  | 5.1  | 110   |
| FEB   |   |  |   |   |   |  |   |
| 16... | 4.8   | --   | --  | --  | --  | --   | 210   |
| 23... | 11.5  | --   | --  | --  | --  | --   | 70  |
| 24... | 12.2  | 27   | .07   | .2  | <.020   | 2.9  | 230   |
| MAR   |   |  |   |   |   |  |   |
| 15... | 11.9  | 26   | .06   | .3  | .040  | 2.8  | --  |
| APR   |   |  |   |   |   |  |   |
| 10... | 12.7  | 24   | .10   | .3  | .060  | 2.8  | --  |
| MAY   |   |  |   |   |   |  |   |
| 31... | 22.2  | 31   | .14   | .4  | .060  | 3.7  | 80  |
| JUN   |   |  |   |   |   |  |   |
| 13... | 24.9  | --   | --  | --  | --  | --   | 110   |
| 27... | 25.3  | --   | --  | --  | --  | --   | 230   |
| 29... | 25.8  | 39   | .20   | .3  | .080  | 2.6  | 490   |
| JUL   |   |  |   |   |   |  |   |
| 11... | 27.2  | --   | --  | --  | --  | --   | 80  |
| 18... | 25.6  | 32   | .10   | .2  | .060  | 3.3  | 50  |
| 26... | 22.9  | --   | --  | --  | --  | --   | 940   |
| AUG   |   |  |   |   |   |  |   |
| 01... | 24.5  | 17   | .13   | .3  | .070  | 3.5  | 700   |
| SEP   |   |  |   |   |   |  |   |
| 26... | 21.0  | 20   | .06   | .2  | .140  | 3.8  | 330   |
| OCT   |   |  |   |   |   |  |   |
| 17... | 14.6  | --   | --  | --  | --  | --   | 170   |
| 19... | 15.7  | --   | --  | --  | --  | --   | 20  |
| 23... | 17.0  | 34   | <.01  | .1  | .040  | 3.1  | 40  |
| NOV   |   |  |   |   |   |  |   |
| 20... | 7.4   | 16   | .09   | .2  | .080  | 3.8  | --  |
| DEC   |   |  |   |   |   |  |   |
| 07... | 5.6   | 28   | .08   | .3  | <.020   | 3.2  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344400 FLINT RIVER ABOVE GRIFFIN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.   | OXYGEN,<br>DIS-<br>SOLVED   | PH<br>WATER  | SPE-<br>CIFIC  | TEMPER-<br>ATURE<br>AIR  | TEMPER-<br>ATURE<br>WATER  | CALCIUM<br>TOTAL                                      | MAGNE-<br>SIUM,<br>TOTAL                              | ANTI-<br>MONY,<br>TOTAL  | ARSENIC<br>TOTAL           |                            |
|--------------|------|---|--|---|--|--|--|--|---|---|--|----------------------------|----------------------------|
|              |      |   | CUBIC<br>FEET<br>PER<br>SECOND<br>(00061)                          | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300)                            | (PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301)                       | FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400)                     |  |  | CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)           | RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916)        | RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927)                   | (UG/L<br>AS SB)<br>(01097) | (UG/L<br>AS AS)<br>(01002) |
| MAR<br>15... | 0910 | 81213   | 63   | 9.0   | 84.6   | 6.9  | 84   | 18.0   | 11.9  | 6.2   | 1.6  | <1.0                       | <2.0                       |
| DEC<br>07... | 1215 | 81213   | 39   | 10.5  | 85   | 7.2  | 99   | 10.5   | 5.6   | 7.8   | 1.7  | <1.0                       | <4.0                       |
| DATE         |      |   | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |                            |                            |
| MAR<br>15... |      |   | <.5  | <1.0  | 1.7  | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 2.3  |                            |                            |
| DEC<br>07... |      |   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 2.5  |                            |                            |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344490 WILDCAT CREEK AT MOON ROAD, NEAR GRIFFIN, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 33°15'35", long 84°24'57", Spalding County, Hydrologic Unit 03130005, at bridge on Moon Road, 1.1 miles upstream from the confluence with the Flint River, and 8.4 miles west of Griffin.

**DRAINAGE AREA--**47.9 mi<sup>2</sup>.

**PERIOD OF RECORD.--**January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|---|---|--|--|
| JAN   |      |   |   |   |  |   |   |   |  |  |
| 26... | 1215 | 81213   | 46  | 1.2   | 13   | 28                                      | 11.6  | 91  | 7.0  | 6.7  |
| FEB   |      |   |   |   |  |   |   |   |  |  |
| 16... | 1200 | 81213   | 41  | --  | --   | --                                      | 10.0  | 94  | 6.9  | --   |
| 23... | 1130 | 81213   | 29  | --  | --   | --                                      | 9.9   | 91  | 7.0  | --   |
| 24... | 1140 | 81213   | 29  | 1.0   | 7  | 9.8                                     | 9.5   | 90  | 7.1  | 7.1  |
| MAR   |      |   |   |   |  |   |   |   |  |  |
| 15... | 1025 | 81213   | 26  | 1.0   | 5  | 8.8                                     | 9.2   | 88  | 7.0  | 7.2  |
| APR   |      |   |   |   |  |   |   |   |  |  |
| 10... | 0850 | 81213   | 31  | .9  | 12   | 16                                      | 9.0   | 84  | 6.9  | 7.3  |
| MAY   |      |   |   |   |  |   |   |   |  |  |
| 31... | 1015 | 81213   | 2.3   | 1.0   | 9  | 10                                      | 8.1   | 88  | 7.3  | 7.4  |
| JUN   |      |   |   |   |  |   |   |   |  |  |
| 13... | 0810 | 81213   | 1.2   | --  | --   | --                                      | 7.2   | 83  | 7.1  | --   |
| 27... | 0800 | 81213   | 1.2   | --  | --   | --                                      | 7.1   | 82  | 7.1  | --   |
| 29... | 0825 | 81213   | 1.6   | 1.0   | 4  | 4.9                                     | 6.9   | 83  | 7.1  | 7.6  |
| JUL   |      |   |   |   |  |   |   |   |  |  |
| 11... | 0810 | 81213   | .41   | --  | --   | --                                      | 6.4   | 78  | 7.1  | --   |
| 18... | 0800 | 81213   | .21   | .5  | 4  | 4.4                                     | 6.8   | 78  | 7.1  | 7.7  |
| 26... | 0735 | 81213   | .82   | --  | --   | --                                      | 7.2   | 83  | 7.2  | --   |
| AUG   |      |   |   |   |  |   |   |   |  |  |
| 01... | 0755 | 81213   | 8.2   | 1.4   | 23   | 31                                      | 6.9   | 83  | 6.9  | 7.3  |
| SEP   |      |   |   |   |  |   |   |   |  |  |
| 26... | 0840 | 81213   | 19  | 1.0   | 18   | 35                                      | 7.7   | 86  | 7.2  | 7.2  |
| OCT   |      |   |   |   |  |   |   |   |  |  |
| 17... | 1015 | 81213   | 15  | --  | --   | --                                      | 9.6   | 93  | 7.3  | --   |
| 19... | 0750 | 81213   | 14  | --  | --   | --                                      | 8.6   | 85  | 7.1  | --   |
| 23... | 0855 | 81213   | 21  | 1.1   | 2  | 2.0                                     | 7.7   | 77  | 6.8  | 7.3  |
| NOV   |      |   |   |   |  |   |   |   |  |  |
| 20... | 1100 | 81213   | 44  | 1.4   | 33   | 37                                      | 10.0  | 85  | 7.1  | 7.3  |
| DEC   |      |   |   |   |  |   |   |   |  |  |
| 07... | 1110 | 81213   | 27  | .7  | 4  | 7.0                                     | 11.0  | 88  | 7.3  | 7.2  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344490 WILDCAT CREEK AT MOON ROAD, NEAR GRIFFIN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |  |   |   |   |  |   |
| 26... | 50  | 51   | 1.0   | 4.0   | 13   | .14   | .3  | .040  | 3.8  | 40  |
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 16... | --  | 55   | 25.0  | 11.7  | --   | --  | --  | --  | --   | 50  |
| 23... | --  | 58   | 20.0  | 11.5  | --   | --  | --  | --  | --   | 20  |
| 24... | 58  | 55   | 19.5  | 12.1  | 18   | .06   | .2  | <.020   | 2.2  | 130   |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 15... | 58  | 57   | 19.0  | 12.7  | 19   | .03   | .2  | <.020   | 2.3  | --  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 10... | 57  | 56   | 6.5   | 11.7  | 19   | .07   | .2  | .040  | 2.5  | --  |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 31... | 68  | 68   | 21.0  | 19.1  | 26   | .09   | .2  | .030  | 2.2  | 110   |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 13... | --  | 69   | 22.9  | 21.8  | --   | --  | --  | --  | --   | 230   |
| 27... | --  | 68   | 19.0  | 21.5  | --   | --  | --  | --  | --   | 330   |
| 29... | 67  | 68   | 23.5  | 23.2  | 26   | .03   | .3  | .040  | 1.6  | 80  |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 11... | --  | 70   | 23.5  | 23.9  | --   | --  | --  | --  | --   | 80  |
| 18... | 70  | 71   | 19.4  | 20.8  | 29   | .10   | .2  | <.020   | 1.3  | 130   |
| 26... | --  | 68   | 20.6  | 21.7  | --   | --  | --  | --  | --   | 9200  |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 01... | 64  | 64   | 24.5  | 23.5  | 22   | .07   | .2  | .050  | 2.4  | 490   |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 26... | 60  | 59   | 12.8  | 19.5  | 19   | .03   | .2  | .050  | 2.5  | 2400  |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 17... | --  | 65   | 18.7  | 13.3  | --   | --  | --  | --  | --   | 80  |
| 19... | --  | 69   | 13.9  | 14.6  | --   | --  | --  | --  | --   | 110   |
| 23... | 72  | 73   | 14.0  | 15.2  | 27   | <.01  | <.020   | <.020   | 2.9  | 170   |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 20... | 58  | 57   | 6.1   | 8.0   | 14   | .11   | .3  | .060  | 2.7  | --  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 07... | 65  | 63   | 7.1   | 5.4   | 20   | .08   | .1  | <.020   | 2.6  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344490 WILDCAT CREEK AT MOON ROAD, NEAR GRIFFIN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|--|--|--|---|---|---|---|
| MAR<br>15... | 1025 | 81213   | 26  | 9.2   | 88   | 7.0  | 57   | 19.0  | 12.7  | 4.0   | 1.2   |
| DEC<br>07... | 1110 | 81213   | 27  | 11.0  | 88   | 7.3  | 63   | 7.1   | 5.4   | 4.7   | 1.3   |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>15... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | <1.0   |
| DEC<br>07... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344500 FLINT RIVER NEAR GRIFFIN, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°14'39", long 84°25'45", Spalding County, Hydrologic Unit 03130005, at bridge on Georgia Highway 16, 1.5 miles downstream from Shoal Creek, 5.5 miles upstream from Line Creek, 10.0 miles west of Griffin, and at mile 304.4.

**DRAINAGE AREA.**--272 mi<sup>2</sup>.

**PERIOD OF RECORD.**--January 2000 to December 2000 (discontinued).

**REMARKS.**--The streamflow gage at this station is located on the downstream side of the Georgia Highway 16 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.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|---|--|--|
| JAN   |      |   |   |   |   |   |   |   |  |  |
| 26... | 1250 | 81213   | 930   | 8.8   | 16  | 19                                      | 11.2  | 84  | 6.9  | 6.3  |
| FEB   |      |   |   |   |   |   |   |   |  |  |
| 16... | 1330 | 81213   | 458   | --  | --  | --                                      | 9.3   | 87  | 6.9  | --   |
| 23... | 1230 | 81213   | 122   | --  | --  | --                                      | 9.7   | 88  | 7.0  | --   |
| 24... | 1245 | 81213   | 118   | 1.2   | 10  | 13                                      | 9.3   | 87  | 7.2  | 7.1  |
| MAR   |      |   |   |   |   |   |   |   |  |  |
| 15... | 1145 | 81213   | 121   | .9  | 6   | 13                                      | 8.6   | 80  | 7.2  | 7.2  |
| APR   |      |   |   |   |   |   |   |   |  |  |
| 10... | 0800 | 81213   | 175   | .9  | 8   | 15                                      | 8.1   | 77  | 6.9  | 7.3  |
| MAY   |      |   |   |   |   |   |   |   |  |  |
| 31... | 0935 | 81213   | 34  | 1.3   | 13  | 15                                      | 6.2   | 71  | 7.4  | 7.3  |
| JUN   |      |   |   |   |   |   |   |   |  |  |
| 13... | 0740 | 81213   | 14  | --  | --  | --                                      | 5.8   | 71  | 7.1  | --   |
| 27... | 0730 | 81213   | 13  | --  | --  | --                                      | 5.5   | 69  | 7.1  | --   |
| 29... | 0745 | 81213   | 16  | 1.0   | 7   | 7.3                                     | 5.3   | 67  | 7.1  | 7.8  |
| JUL   |      |   |   |   |   |   |   |   |  |  |
| 11... | 0735 | 81213   | 5.8   | --  | --  | --                                      | 4.8   | 62  | 7.0  | --   |
| 18... | 0720 | 81213   | 9.7   | .7  | 9   | 9.1                                     | 5.8   | 72  | 7.0  | 7.7  |
| 26... | 0710 | 81213   | 9.3   | --  | --  | --                                      | 5.4   | 66  | 7.0  | --   |
| AUG   |      |   |   |   |   |   |   |   |  |  |
| 01... | 0725 | 81213   | 52  | 1.0   | 10  | 11                                      | 5.8   | 72  | 6.8  | 7.2  |
| SEP   |      |   |   |   |   |   |   |   |  |  |
| 26... | 0930 | 81213   | 64  | .8  | 17  | 22                                      | 6.5   | 75  | 7.2  | 7.3  |
| OCT   |      |   |   |   |   |   |   |   |  |  |
| 17... | 0940 | 81213   | 15  | --  | --  | --                                      | 8.6   | 85  | 7.2  | --   |
| 19... | 0725 | 81213   | 13  | --  | --  | --                                      | 7.8   | 80  | 7.0  | --   |
| 23... | 0810 | 81213   | 15  | .7  | 8   | 9.3                                     | 7.0   | 74  | 7.0  | 7.4  |
| NOV   |      |   |   |   |   |   |   |   |  |  |
| 20... | 1030 | 81213   | 313   | 1.6   | 20  | 24                                      | 9.9   | 84  | 7.1  | 7.4  |
| DEC   |      |   |   |   |   |   |   |   |  |  |
| 07... | 1020 | 81213   | 46  | .7  | 4   | 8.7                                     | 10.8  | 86  | 7.3  | 7.4  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344500 FLINT RIVER NEAR GRIFFIN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|---|---|---|---|--|---|
| JAN   |   |  |   |   |   |   |   |   |  |   |
| 26... | 52  | 51   | 2.7   | 2.4   | 13  | .06   | .3  | .060  | 4.0  | 200   |
| FEB   |   |  |   |   |   |   |   |   |  |   |
| 16... | --  | 66   | 26.0  | 11.6  | --  | --  | --  | --  | --   | 170   |
| 23... | --  | 66   | 22.0  | 10.5  | --  | --  | --  | --  | --   | 50  |
| 24... | 71  | 75   | 23.0  | 11.6  | 24  | .06   | .2  | .030  | 3.3  | 80  |
| MAR   |   |  |   |   |   |   |   |   |  |   |
| 15... | 74  | 59   | 19.5  | 11.6  | 25  | .04   | .2  | .030  | 2.6  | --  |
| APR   |   |  |   |   |   |   |   |   |  |   |
| 10... | 70  | 68   | 5.5   | 13.1  | 23  | .06   | .2  | .060  | 2.9  | --  |
| MAY   |   |  |   |   |   |   |   |   |  |   |
| 31... | 88  | 85   | 20.0  | 21.6  | 29  | .12   | .3  | .060  | 3.5  | 330   |
| JUN   |   |  |   |   |   |   |   |   |  |   |
| 13... | --  | 101  | 24.5  | 24.9  | --  | --  | --  | --  | --   | 170   |
| 27... | --  | 98   | 19.1  | 25.9  | --  | --  | --  | --  | --   | 40  |
| 29... | 98  | 98   | 23.6  | 26.4  | 37  | .08   | .2  | .050  | 3.0  | 110   |
| JUL   |   |  |   |   |   |   |   |   |  |   |
| 11... | --  | 106  | 23.5  | 27.2  | --  | --  | --  | --  | --   | 70  |
| 18... | 103   | 105  | 18.0  | 25.7  | 39  | .14   | .2  | .040  | 2.6  | 110   |
| 26... | --  | 101  | 20.9  | 24.4  | --  | --  | --  | --  | --   | 490   |
| AUG   |   |  |   |   |   |   |   |   |  |   |
| 01... | 74  | 74   | 23.5  | 25.1  | 16  | .10   | .4  | .070  | 3.2  | 230   |
| SEP   |   |  |   |   |   |   |   |   |  |   |
| 26... | 76  | 76   | 16.3  | 21.3  | 20  | .03   | .2  | .070  | 3.2  | 230   |
| OCT   |   |  |   |   |   |   |   |   |  |   |
| 17... | --  | 83   | 18.4  | 14.3  | --  | --  | --  | --  | --   | 50  |
| 19... | --  | 85   | 12.0  | 16.2  | --  | --  | --  | --  | --   | 20  |
| 23... | 93  | 95   | 12.5  | 17.5  | 31  | <.01  | .1  | .030  | 3.1  | 50  |
| NOV   |   |  |   |   |   |   |   |   |  |   |
| 20... | 85  | 85   | 4.3   | 7.5   | 20  | .09   | .3  | .070  | 5.9  | --  |
| DEC   |   |  |   |   |   |   |   |   |  |   |
| 07... | 90  | 88   | 6.1   | 5.2   | 25  | .06   | .2  | <.020   | 3.1  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344500 FLINT RIVER NEAR GRIFFIN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|--|---|--|--|---|---|--|--|
| MAR<br>15... | 1145 | 81213   | 121   | 8.6  | 80  | 7.2  | 59   | 19.5  | 11.6  | 5.6  | 1.5  |
| DEC<br>07... | 1020 | 81213   | 46  | 11.0   | 86  | 7.3  | 88   | 6.1   | 5.2   | 6.8  | 1.6  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>15... | <1.0  | <2.0   | <.5  | <1.0  | 1.5  | 1.8  | <.1  | <1.0   | <2.0  | <2.0  | 1.7  |
| DEC<br>07... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 3.6  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344750 WHITEWATER CREEK AT MORGAN MILL ROAD, NEAR BROOKS, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 33°18'03", long 84°29'42", Fayette County, Hydrologic Unit 03130005, at bridge on Morgan Mill Road, 0.9 mile downstream from Haddock Creek, and 2.5 miles northwest of Brooks.

**DRAINAGE AREA.--**86.0 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>UNITS<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>UNITS<br>(00403) |     |
|-------|------|---|---|---|---|---|---|--|--|-----|
| JAN   |      |   |   |   |   |   |   |  |  |     |
| 26... | 1430 | 81213   | 149   | .8  | 6   | 18                                      | 12.8  | 98   | 7.0  | 6.9 |
| FEB   |      |   |   |   |   |   |   |  |  |     |
| 16... | 1430 | 81213   | 124   | --  | --  | --                                      | 10.3  | 97   | 6.9  | --  |
| 23... | 1330 | 81213   | 49  | --  | --  | --                                      | 9.5   | 87   | 7.0  | --  |
| 24... | 1430 | 81213   | 43  | 1.0   | 6   | 7.6                                     | 10.1  | 96   | 7.2  | 7.3 |
| MAR   |      |   |   |   |   |   |   |  |  |     |
| 15... | 1330 | 81213   | 47  | .9  | 4   | 7.6                                     | 9.9   | 93   | 7.3  | 7.2 |
| APR   |      |   |   |   |   |   |   |  |  |     |
| 10... | 0630 | 81213   | 70  | .9  | 6   | 12                                      | 8.8   | 84   | 6.9  | 7.4 |
| MAY   |      |   |   |   |   |   |   |  |  |     |
| 31... | 0800 | 81213   | 14  | 1.2   | 29  | 22                                      | 6.4   | 74   | 7.3  | 7.2 |
| JUN   |      |   |   |   |   |   |   |  |  |     |
| 13... | 0615 | 81213   | 6.7   | --  | --  | --                                      | 5.4   | 66   | 7.0  | --  |
| 27... | 0620 | 81213   | 4.0   | --  | --  | --                                      | 5.5   | 67   | 7.0  | --  |
| 29... | 0625 | 81213   | 4.1   | 1.3   | 5   | 4.9                                     | 5.4   | 66   | 7.0  | 7.8 |
| JUL   |      |   |   |   |   |   |   |  |  |     |
| 11... | 0635 | 81213   | 2.3   | --  | --  | --                                      | 5.4   | 66   | 7.0  | --  |
| 18... | 0610 | 81213   | 2.7   | .7  | 4   | 4.4                                     | 5.0   | 58   | 7.0  | 7.6 |
| 26... | 0605 | 81213   | 6.2   | --  | --  | --                                      | 5.6   | 67   | 7.2  | --  |
| AUG   |      |   |   |   |   |   |   |  |  |     |
| 01... | 0615 | 81213   | 13  | 1.2   | 7   | 11                                      | 5.8   | 70   | 6.8  | 7.5 |
| SEP   |      |   |   |   |   |   |   |  |  |     |
| 26... | 1130 | 81213   | 34  | 1.6   | 6   | 10                                      | 6.9   | 78   | 7.3  | 7.2 |
| OCT   |      |   |   |   |   |   |   |  |  |     |
| 17... | 0800 | 81213   | 6.9   | --  | --  | --                                      | 7.9   | 78   | 7.0  | --  |
| 19... | 0630 | 81213   | 1.3   | --  | --  | --                                      | 7.3   | 74   | 7.0  | --  |
| 23... | 0640 | 81213   | 2.1   | 1.1   | 6   | 3.2                                     | 6.2   | 63   | 6.8  | 7.4 |
| NOV   |      |   |   |   |   |   |   |  |  |     |
| 20... | 0850 | 81213   | 240   | 1.8   | 23  | 27                                      | 10.5  | 88   | 7.0  | 7.4 |
| DEC   |      |   |   |   |   |   |   |  |  |     |
| 07... | 0835 | 81213   | 27  | .7  | 8   | 8.4                                     | 11.6  | 92   | 7.2  | 7.3 |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344750 WHITEWATER CREEK AT MORGAN MILL ROAD, NEAR BROOKS, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | SPE-<br>CIFIC<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|--------------|---|---|---|---|--|---|---|---|--|---|
| JAN<br>26... | 54  | 55  | 3.1   | 3.3   | 15   | .08   | .2  | .030  | 2.1  | 20  |
| FEB<br>16... | --  | 62  | 26.0  | 12.1  | --   | --  | --  | --  | --   | 330   |
| 23...        | --  | 76  | 24.0  | 10.8  | --   | --  | --  | --  | --   | 50  |
| 24...        | 78  | 74  | 26.0  | 12.1  | 24   | .07   | .1  | <.020   | 2.8  | 80  |
| MAR<br>15... | 74  | 76  | 21.0  | 12.0  | 25   | .04   | .2  | .030  | 3.0  | --  |
| APR<br>10... | 65  | 65  | -1.0  | 12.7  | 22   | .06   | .1  | .050  | 3.4  | --  |
| MAY<br>31... | 109   | 91  | 19.0  | 21.2  | 32   | .13   | .4  | .090  | 3.6  | 170   |
| JUN<br>13... | --  | 128   | 20.0  | 23.8  | --   | --  | --  | --  | --   | 230   |
| 27...        | --  | 148   | 16.7  | 23.8  | --   | --  | --  | --  | --   | 70  |
| 29...        | 147   | 150   | 22.5  | 24.5  | 44   | .14   | .1  | .040  | 2.7  | 20  |
| JUL<br>11... | --  | 158   | 20.8  | 24.5  | --   | --  | --  | --  | --   | 80  |
| 18...        | 177   | 182   | 15.0  | 22.2  | 53   | .11   | .1  | .030  | 2.6  | 230   |
| 26...        | --  | 228   | 20.1  | 23.7  | --   | --  | --  | --  | --   | 170   |
| AUG<br>01... | 141   | 142   | 20.5  | 24.3  | 30   | .18   | .5  | .050  | 3.7  | 70  |
| SEP<br>26... | 107   | 108   | 17.9  | 20.9  | 28   | .12   | .6  | .150  | 3.9  | 130   |
| OCT<br>17... | --  | 122   | 15.0  | 13.9  | --   | --  | --  | --  | --   | 130   |
| 19...        | --  | 129   | 8.9   | 15.6  | --   | --  | --  | --  | --   | 170   |
| 23...        | 142   | 144   | 9.4   | 16.2  | 35   | .01   | .2  | .030  | 4.5  | 70  |
| NOV<br>20... | 77  | 79  | .5  | 7.3   | 18   | .12   | .3  | .110  | 4.3  | --  |
| DEC<br>07... | 97  | 96  | -2.3  | 5.2   | 24   | .10   | .2  | .050  | 3.0  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344750 WHITEWATER CREEK AT MORGAN MILL ROAD, NEAR BROOKS, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)     | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                    | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |  |
|-------|------|---|---|---|---|--|--|--|--|--|--|--|
| MAR   |      |   |   |   |   |  |  |  |  |  |  |  |
| 15... | 1330 | 81213   | 47  | 9.9   | 93  | 7.3  | 76   | 21.0   | 12.0   | 5.2  | 1.4  |  |
| DEC   |      |   |   |   |   |  |  |  |  |  |  |  |
| 07... | 0835 | 81213   | 27  | 12.0  | 92  | 7.2  | 96   | -2.3   | 5.2  | 6.3  | 1.4  |  |
| DATE  |      | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097)             | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002)                        | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027)          | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042)   | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147)              | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059)                      | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
| MAR   |      |   |   |   |   |  |  |  |  |  |  |  |
| 15... |      | <1.0  | <2.0  | <.5   | <1.0  | <1.0   | 2.0  | <.1  | <1.0   | <2.0   | <2.0   | 2.6  |
| DEC   |      |   |   |   |   |  |  |  |  |  |  |  |
| 07... |      | <1.0  | <4.0  | <.5   | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0   | <2.0   | 3.9  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344752 LINE CREEK AT DIGBY, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°15'23", long 84°29'50", Coweta-Fayette County line, Hydrologic Unit 03130005, at bridge on Georgia Highway 16, 2.2 miles downstream from Whitewater Creek, 1.6 miles upstream from Dead Oak Creek, and, at Digby.

**DRAINAGE AREA.**--216 mi<sup>2</sup>.

**PERIOD OF RECORD.**--August 1991 to November 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|--|---|--|--|
| JAN   |      |   |   |   |   |   |  |   |  |  |
| 26... | 1330 | 81213   | 317   | 1.1   | 11  | 18                                      | 12.1   | 92  | 6.9  | 6.9  |
| FEB   |      |   |   |   |   |   |  |   |  |  |
| 16... | 1400 | 81213   | 265   | --  | --  | --                                      | 9.6  | 90  | 6.9  | --   |
| 23... | 1300 | 81213   | 133   | --  | --  | --                                      | 10.0   | 91  | 7.0  | --   |
| 24... | 1330 | 81213   | 131   | .8  | 7   | 8.7                                     | 9.7  | 90  | 7.2  | 7.2  |
| MAR   |      |   |   |   |   |   |  |   |  |  |
| 15... | 1230 | 81213   | 134   | .9  | 5   | 8.5                                     | 9.0  | 86  | 7.2  | 7.3  |
| APR   |      |   |   |   |   |   |  |   |  |  |
| 10... | 0710 | 81213   | 186   | 1.1   | 10  | 15                                      | 7.4  | 71  | 6.9  | 7.4  |
| MAY   |      |   |   |   |   |   |  |   |  |  |
| 31... | 0900 | 81213   | 35  | 1.1   | 10  | 7.9                                     | 6.4  | 72  | 7.1  | 7.4  |
| JUN   |      |   |   |   |   |   |  |   |  |  |
| 13... | 0700 | 81213   | 11  | --  | --  | --                                      | 5.8  | 71  | 7.1  | --   |
| 27... | 0650 | 81213   | 4.7   | --  | --  | --                                      | 5.7  | 70  | 7.1  | --   |
| 29... | 0705 | 81213   | 5.5   | 1.2   | 5   | 5.2                                     | 5.7  | 70  | 7.1  | 7.7  |
| JUL   |      |   |   |   |   |   |  |   |  |  |
| 11... | 0710 | 81213   | 2.6   | --  | --  | --                                      | 5.4  | 68  | 7.1  | --   |
| 18... | 0645 | 81213   | 2.2   | 1.1   | 5   | 4.0                                     | 5.3  | 66  | 7.1  | 7.6  |
| 26... | 0630 | 81213   | 20  | --  | --  | --                                      | 4.4  | 53  | 7.1  | --   |
| AUG   |      |   |   |   |   |   |  |   |  |  |
| 01... | 0655 | 81213   | 32  | 1.2   | 7   | 10                                      | 5.8  | 71  | 6.8  | 7.5  |
| SEP   |      |   |   |   |   |   |  |   |  |  |
| 26... | 1040 | 81213   | 83  | 1.2   | 13  | 14                                      | 6.5  | 74  | 7.4  | 7.3  |
| OCT   |      |   |   |   |   |   |  |   |  |  |
| 17... | 0855 | 81213   | 9.0   | --  | --  | --                                      | 8.5  | 83  | 7.3  | --   |
| 19... | 0705 | 81213   | 12  | --  | --  | --                                      | 7.4  | 75  | 7.1  | --   |
| 23... | 0720 | 81213   | 8.6   | 1.0   | 6   | 4.8                                     | 6.4  | 66  | 7.0  | 7.7  |
| NOV   |      |   |   |   |   |   |  |   |  |  |
| 20... | 1000 | 81213   | 347   | 1.9   | 38  | 35                                      | 9.8  | 82  | 7.1  | 7.3  |
| DEC   |      |   |   |   |   |   |  |   |  |  |
| 07... | 0930 | 81213   | 55  | .9  | 4   | 6.3                                     | 10.7   | 86  | 7.3  | 7.3  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344752 LINE CREEK AT DIGBY, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|---|---|---|---|--|---|
| JAN   |   |   |   |   |   |   |   |   |  |   |
| 26... | 79  | 79  | 3.0   | 3.1   | 15  | .09   | .4  | .060  | 2.3  | 40  |
| FEB   |   |   |   |   |   |   |   |   |  |   |
| 16... | --  | 78  | 26.0  | 11.7  | --  | --  | --  | --  | --   | 170   |
| 23... | --  | 99  | 23.0  | 10.9  | --  | --  | --  | --  | --   | 70  |
| 24... | 116   | 113   | 25.0  | 11.4  | 22  | .07   | .4  | .050  | 2.7  | 50  |
| MAR   |   |   |   |   |   |   |   |   |  |   |
| 15... | 100   | 100   | 19.5  | 12.4  | 24  | .04   | .2  | .070  | 3.1  | --  |
| APR   |   |   |   |   |   |   |   |   |  |   |
| 10... | 89  | 87  | 1.0   | 13.1  | 20  | .07   | .2  | .070  | 2.7  | --  |
| MAY   |   |   |   |   |   |   |   |   |  |   |
| 31... | 200   | 198   | 19.5  | 20.7  | 34  | .15   | .5  | .140  | 3.8  | 80  |
| JUN   |   |   |   |   |   |   |   |   |  |   |
| 13... | --  | 261   | 22.4  | 24.0  | --  | --  | --  | --  | --   | 80  |
| 27... | --  | 337   | 18.9  | 24.8  | --  | --  | --  | --  | --   | 130   |
| 29... | 343   | 341   | 23.5  | 25.0  | 42  | .12   | 1.1   | .310  | 2.9  | 330   |
| JUL   |   |   |   |   |   |   |   |   |  |   |
| 11... | --  | 397   | 22.4  | 26.6  | --  | --  | --  | --  | --   | 110   |
| 18... | 433   | 436   | 17.5  | 25.3  | 49  | .13   | 1.0   | .340  | 3.8  | 20  |
| 26... | --  | 752   | 21.0  | 23.3  | --  | --  | --  | --  | --   | 50  |
| AUG   |   |   |   |   |   |   |   |   |  |   |
| 01... | 247   | 247   | 21.5  | 24.2  | 25  | .13   | .5  | .120  | 3.5  | 20  |
| SEP   |   |   |   |   |   |   |   |   |  |   |
| 26... | 206   | 205   | 16.3  | 20.9  | 30  | .09   | .4  | .190  | 5.9  | 130   |
| OCT   |   |   |   |   |   |   |   |   |  |   |
| 17... | --  | 252   | 17.3  | 13.8  | --  | --  | --  | --  | --   | 20  |
| 19... | --  | 249   | 11.8  | 15.8  | --  | --  | --  | --  | --   | 70  |
| 23... | 245   | 253   | 11.9  | 16.8  | 37  | .02   | .5  | .360  | 3.9  | 50  |
| NOV   |   |   |   |   |   |   |   |   |  |   |
| 20... | 159   | 162   | 3.3   | 7.4   | 17  | .14   | .4  | .150  | 3.9  | --  |
| DEC   |   |   |   |   |   |   |   |   |  |   |
| 07... | 191   | 192   | 5.6   | 5.5   | 25  | .38   | .7  | .160  | 3.1  | --  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344752 LINE CREEK AT DIGBY, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|---|--|---|---|--|--|
| MAR<br>15... | 1230 | 81213   | 134   | 9.0   | 86  | 7.2   | 100  | 19.5  | 12.4  | 5.1  | 1.4  |
| DEC<br>07... | 0930 | 81213   | 55  | 11.0  | 86  | 7.3   | 192  | 5.6   | 5.5   | 7.1  | 1.6  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>15... | <1.0  | <2.0   | <.5  | <1.0  | 1.6  | 1.3  | <.1  | <1.0   | <2.0  | <2.0  | 3.5  |
| DEC<br>07... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 7.3  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344804 WHITE OAK CREEK AT STATE HIGHWAY 54, NEAR SHARPSBURG, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°16'37", long 84°42'10", Coweta County, Hydrologic Unit 03130005, at bridge on Georgia Highway 54, 0.8 mile upstream from Turkey Creek, 5.2 miles southwest of Turin, and 6.0 miles southwest of Sharpsburg.

**DRAINAGE AREA.**--68.0 mi<sup>2</sup>.

**PERIOD OF RECORD.**--January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>DIS-<br>SOLVED<br>SATUR-<br>(MG/L)<br>(00300) | OXYGEN,<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) |
|-------|------|---|---|--|---|--|---|--|--|---|
| JAN   |      |   |   |  |   |  |   |  |  |   |
| 27... | 0830 | 81213   | --  | 25   | 30                                      | 12.2   | 89  | 6.3  | 7.0  | 68  |
| FEB   |      |   |   |  |   |  |   |  |  |   |
| 28... | 1105 | 81213   | <.1   | 8  | 13                                      | 8.4  | 79  | 6.9  | 7.1  | 76  |
| MAR   |      |   |   |  |   |  |   |  |  |   |
| 01... | 0845 | 81213   | --  | --   | --                                      | 10.6   | 94  | 6.8  | --   | --  |
| 13... | 0950 | 81213   | --  | --   | --                                      | 8.7  | 78  | 7.2  | --   | --  |
| 16... | 0930 | 81213   | --  | --   | --                                      | 7.9  | 78  | 6.9  | --   | --  |
| 21... | 0830 | 81213   | 1.8   | 26   | 65                                      | 7.9  | 74  | 5.9  | 7.0  | 48  |
| APR   |      |   |   |  |   |  |   |  |  |   |
| 11... | 0930 | 81213   | 2.3   | 10   | 14                                      | 7.6  | 74  | 6.8  | 7.3  | 74  |
| MAY   |      |   |   |  |   |  |   |  |  |   |
| 30... | 0920 | 81213   | .7  | 11   | 14                                      | 5.1  | 58  | 6.8  | 7.6  | 114   |
| JUN   |      |   |   |  |   |  |   |  |  |   |
| 12... | 0905 | 81213   | --  | --   | --                                      | 5.2  | 60  | 6.9  | --   | --  |
| 19... | 0725 | 81213   | .6  | 6  | 6.0                                     | 2.4  | 29  | 7.3  | 7.4  | 155   |
| 26... | 0850 | 81213   | --  | --   | --                                      | 2.4  | 29  | 6.8  | --   | --  |
| JUL   |      |   |   |  |   |  |   |  |  |   |
| 06... | 0805 | 81213   | 1.2   | 9  | 7.3                                     | 4.2  | 52  | 7.3  | 7.3  | 218   |
| 10... | 0720 | 81213   | --  | --   | --                                      | 3.5  | 44  | 7.0  | --   | --  |
| 20... | 0810 | 81213   | --  | --   | --                                      | 3.3  | 41  | 7.0  | --   | --  |
| AUG   |      |   |   |  |   |  |   |  |  |   |
| 03... | 0910 | 81213   | 1.1   | 12   | 18                                      | 4.9  | 57  | 6.8  | 7.1  | 89  |
| SEP   |      |   |   |  |   |  |   |  |  |   |
| 07... | 0830 | 81213   | --  | --   | --                                      | 6.1  | 67  | 7.0  | --   | --  |
| 11... | 0920 | 81213   | .5  | 7  | 10                                      | 5.2  | 60  | 7.1  | 7.4  | 146   |
| 13... | 0840 | 81213   | --  | --   | --                                      | 5.0  | 58  | 7.0  | --   | --  |
| OCT   |      |   |   |  |   |  |   |  |  |   |
| 02... | 0840 | 81213   | .6  | 9  | 13                                      | 6.1  | 64  | 7.3  | 7.4  | 124   |
| NOV   |      |   |   |  |   |  |   |  |  |   |
| 20... | 1010 | 81213   | 2.0   | 31   | 41                                      | 9.4  | 78  | 7.0  | 7.2  | 72  |
| DEC   |      |   |   |  |   |  |   |  |  |   |
| 06... | 1035 | 81213   | .6  | 3  | 7.1                                     | 10.4   | 80  | 7.0  | 7.3  | 121   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344804 WHITE OAK CREEK AT STATE HIGHWAY 54, NEAR SHARPSBURG, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|---|---|--|--|--|---|--|---|
| JAN   |  |   |   |  |  |  |   |  |   |
| 27... | 69   | .0  | 1.8   | 18   | 1.80   | .4   | .050  | 3.2  | --  |
| FEB   |  |   |   |  |  |  |   |  |   |
| 28... | 75   | 11.5  | 12.2  | 25   | .05  | .3   | .060  | 3.4  | 140   |
| MAR   |  |   |   |  |  |  |   |  |   |
| 01... | 71   | 10.0  | 9.5   | --   | --   | --   | --  | --   | 20  |
| 13... | 82   | 8.0   | 10.2  | --   | --   | --   | --  | --   | --  |
| 16... | 84   | 16.0  | 14.0  | --   | --   | --   | --  | --   | 80  |
| 21... | 43   | 7.8   | 12.1  | 13   | .07  | .2   | .070  | 5.5  | 940   |
| APR   |  |   |   |  |  |  |   |  |   |
| 11... | 74   | 14.6  | 13.5  | 23   | .06  | .4   | .050  | 2.8  | --  |
| MAY   |  |   |   |  |  |  |   |  |   |
| 30... | 114  | 17.0  | 20.6  | 37   | .13  | .5   | .050  | 2.9  | 170   |
| JUN   |  |   |   |  |  |  |   |  |   |
| 12... | 177  | 20.7  | 21.9  | --   | --   | --   | --  | --   | 20  |
| 19... | 162  | 23.7  | 24.7  | 42   | .14  | .2   | .030  | 2.4  | 70  |
| 26... | 158  | 21.6  | 23.6  | --   | --   | --   | --  | --   | 20  |
| JUL   |  |   |   |  |  |  |   |  |   |
| 06... | 228  | 26.4  | 25.0  | 47   | .11  | .1   | .040  | 2.7  | <20   |
| 10... | 225  | 24.6  | 25.6  | --   | --   | --   | --  | --   | <20   |
| 20... | 209  | 24.0  | 25.2  | --   | --   | --   | --  | --   | <20   |
| AUG   |  |   |   |  |  |  |   |  |   |
| 03... | 91   | 22.2  | 22.8  | 21   | .12  | .2   | .030  | 3.2  | 1300  |
| SEP   |  |   |   |  |  |  |   |  |   |
| 07... | 142  | 16.8  | 19.5  | --   | --   | --   | --  | --   | 50  |
| 11... | 219  | 22.9  | 21.4  | 37   | .08  | .6   | .080  | 3.8  | 80  |
| 13... | 160  | 21.0  | 21.6  | --   | --   | --   | --  | --   | E140  |
| OCT   |  |   |   |  |  |  |   |  |   |
| 02... | 129  | 11.0  | 17.3  | 32   | .07  | .2   | .080  | 3.4  | <20   |
| NOV   |  |   |   |  |  |  |   |  |   |
| 20... | 75   | 4.7   | 7.1   | 15   | .07  | .4   | .090  | 3.6  | --  |
| DEC   |  |   |   |  |  |  |   |  |   |
| 06... | 122  | 4.0   | 4.2   | 23   | .05  | .9   | .030  | 2.7  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344804 WHITE OAK CREEK AT STATE HIGHWAY 54, NEAR SHARPSBURG, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) |
|--------------|------|--|---|---|--|--|---|---|--|--|---|
| MAR<br>13... | 0950 | 81213  | 8.7   | 78  | 7.2  | 82   | 8.0   | 10.2  | 4.8  | 2.1  | <1.0  |
| OCT<br>02... | 0840 | 81213  | 6.1   | 64  | 7.3  | 129  | 11.0  | 17.3  | 6.1  | 2.9  | <1.0  |

| DATE         | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|--|--|---|--|--|--|--|---|---|--|
| MAR<br>13... | <2.0   | <.5  | <1.0  | <1.0   | 1.0  | <.1  | 1.9  | <2.0  | <2.0  | 3.4  |
| OCT<br>02... | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | 1.6  | <4.0  | <2.0  | 2.0  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344810 WHITE OAK CREEK AT ALVATON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°10'44", long 84°34'52", Meriwether County, Hydrologic Unit 03130005, at bridge on Georgia Highway 85, 0.6 mile north of Alvaton.

**DRAINAGE AREA.**--146 mi<sup>2</sup>.

**PERIOD OF RECORD.**--April 1995 to November 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|---|---|--|--|
| JAN   |      |   |   |   |  |   |   |   |  |  |
| 27... | 0945 | 81213   | 159   | --  | <1   | 18                                      | 12.3  | 90  | 6.8  | 7.1  |
| FEB   |      |   |   |   |  |   |   |   |  |  |
| 28... | 1010 | 81213   | 121   | .8  | 7  | 10                                      | 8.6   | 81  | 7.0  | 7.2  |
| MAR   |      |   |   |   |  |   |   |   |  |  |
| 01... | 0930 | 81213   | 110   | --  | --   | --                                      | 8.4   | 80  | 7.0  | --   |
| 16... | 0855 | 81213   | 104   | --  | --   | --                                      | 8.6   | 85  | 6.9  | --   |
| 21... | 0935 | 81213   | 1190  | 2.2   | 27   | 65                                      | 7.2   | 69  | 6.4  | 6.4  |
| APR   |      |   |   |   |  |   |   |   |  |  |
| 11... | 0840 | 81213   | 117   | 1.6   | 9  | 14                                      | 8.0   | 78  | 6.8  | 7.5  |
| MAY   |      |   |   |   |  |   |   |   |  |  |
| 30... | 0830 | 81213   | 26  | .5  | 8  | 13                                      | 5.8   | 66  | 6.8  | 7.4  |
| JUN   |      |   |   |   |  |   |   |   |  |  |
| 12... | 0820 | 81213   | 5.4   | --  | --   | --                                      | 5.6   | 64  | 7.0  | --   |
| 19... | 0850 | 81213   | 2.7   | .4  | 23   | 18                                      | 4.7   | 57  | 7.3  | 7.6  |
| 26... | 0810 | 81213   | .98   | --  | --   | --                                      | 4.7   | 57  | 7.0  | --   |
| JUL   |      |   |   |   |  |   |   |   |  |  |
| 06... | 0930 | 81213   | .40   | .7  | 5  | 3.5                                     | 4.4   | 55  | 7.4  | 7.5  |
| 10... | 0825 | 81213   | .10   | --  | --   | --                                      | 3.7   | 46  | 7.1  | --   |
| 20... | 0720 | 81213   | .13   | --  | --   | --                                      | 4.0   | 49  | 7.1  | --   |
| AUG   |      |   |   |   |  |   |   |   |  |  |
| 03... | 0820 | 81213   | 11  | .8  | 4  | 12                                      | 5.7   | 68  | 6.9  | 7.4  |
| SEP   |      |   |   |   |  |   |   |   |  |  |
| 07... | 0750 | 81213   | 36  | --  | --   | --                                      | 6.5   | 72  | 6.9  | --   |
| 11... | 0825 | 81213   | 14  | .5  | 5  | 10                                      | 6.1   | 70  | 6.9  | 7.4  |
| 13... | 0750 | 81213   | 8.4   | --  | --   | --                                      | 5.7   | 66  | 6.9  | --   |
| OCT   |      |   |   |   |  |   |   |   |  |  |
| 02... | 0930 | 81213   | 8.4   | 4.6   | 9  | 16                                      | 7.7   | 81  | 7.4  | 7.5  |
| NOV   |      |   |   |   |  |   |   |   |  |  |
| 20... | 0935 | 81213   | 214   | 1.7   | 24   | 26                                      | 9.6   | 79  | 6.8  | 7.1  |
| DEC   |      |   |   |   |  |   |   |   |  |  |
| 06... | 0945 | 81213   | 44  | .7  | 3  | 8.5                                     | 10.9  | 84  | 7.0  | 7.2  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344810 WHITE OAK CREEK AT ALVATON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 27... | 52  | 53  | .0  | 1.9   | 14   | .06   | .3  | .020  | 2.8  | --  |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 28... | 60  | 59  | 4.0   | 12.3  | 21   | .04   | .2  | .030  | 2.8  | 170   |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 01... | --  | 56  | 11.0  | 12.4  | --   | --  | --  | --  | --   | <20   |
| 16... | --  | 62  | 15.5  | 14.1  | --   | --  | --  | --  | --   | <20   |
| 21... | 38  | 34  | 11.1  | 12.7  | 10   | .08   | .2  | .080  | 6.9  | 4900  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 11... | 58  | 58  | 11.0  | 13.9  | 20   | .02   | .2  | .040  | 3.4  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 30... | 77  | 77  | 16.0  | 20.9  | 32   | .10   | .2  | .030  | 3.2  | 130   |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 12... | --  | 90  | 17.9  | 21.9  | --   | --  | --  | --  | --   | 80  |
| 19... | 97  | 104   | 28.6  | 24.7  | 39   | .14   | .2  | .040  | 2.5  | 130   |
| 26... | --  | 107   | 21.3  | 24.2  | --   | --  | --  | --  | --   | 70  |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 06... | 106   | 113   | 32.3  | 25.5  | 43   | .08   | .1  | .020  | 2.9  | 50  |
| 10... | --  | 116   | 29.1  | 26.1  | --   | --  | --  | --  | --   | 40  |
| 20... | --  | 101   | 23.3  | 25.4  | --   | --  | --  | --  | --   | 230   |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 03... | 81  | 82  | 23.5  | 23.6  | 26   | .11   | .1  | <.020   | 3.0  | 50  |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 07... | --  | 98  | 16.9  | 19.8  | --   | --  | --  | --  | --   | 130   |
| 11... | 118   | 215   | 20.2  | 21.3  | 28   | .06   | .3  | .020  | 4.2  | 330   |
| 13... | --  | 110   | 19.1  | 21.8  | --   | --  | --  | --  | --   | E80   |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 02... | 90  | 93  | 17.1  | 17.4  | 27   | .09   | .1  | .030  | 4.8  | <20   |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 20... | 62  | 68  | 4.4   | 6.9   | 14   | .09   | .3  | .050  | 4.2  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 06... | 75  | 76  | .6  | 4.1   | 18   | .04   | .2  | <.020   | 2.8  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344810 WHITE OAK CREEK AT ALVATON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|--|---|---|--|--|--|---|---|--|--|
| MAR<br>13... | 1055 | 81213  | 124   | 9.0   | 84   | 6.9  | 64   | 11.5  | 11.6  | 3.5  | 1.7  |
| OCT<br>02... | 0930 | 81213  | 8.4   | 7.7   | 81   | 7.4  | 93   | 17.1  | 17.4  | 5.2  | 2.3  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>13... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | 2.0   | <2.0  | 4.1  |
| OCT<br>02... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | 1.0  | <4.0  | <2.0  | 5.0  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344960 RED OAK CREEK NEAR IMLAC, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°02'18", long 84°33'08", Meriwether County, Hydrologic Unit 03130005, at bridge on Harman Hall Road, 1.2 miles northeast of Imlac.

**DRAINAGE AREA.**--144 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--April 1995 to November 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|---|---|---|
| JAN   |      |   |   |   |   |   |   |   |   |   |
| 27... | 1030 | 81213   | --  | --  | 7   | 15                                      | 12.8  | 95  | 6.7   | 7.0   |
| FEB   |      |   |   |   |   |   |   |   |   |   |
| 28... | 0925 | 81213   | 128   | .7  | 9   | 10                                      | 9.1   | 86  | 7.0   | 7.2   |
| MAR   |      |   |   |   |   |   |   |   |   |   |
| 01... | 1000 | 81213   | 92  | --  | --  | --                                      | 8.8   | 83  | 7.1   | --  |
| 16... | 0805 | 81213   | 184   | --  | --  | --                                      | 8.9   | 88  | 7.0   | --  |
| 21... | 1020 | 81213   | >366  | 2.0   | 28  | 65                                      | 8.3   | 80  | 6.3   | 6.7   |
| APR   |      |   |   |   |   |   |   |   |   |   |
| 11... | 0805 | 81213   | 116   | 1.8   | 11  | 12                                      | 8.4   | 82  | 6.8   | 7.3   |
| MAY   |      |   |   |   |   |   |   |   |   |   |
| 30... | 0800 | 81213   | 12  | .7  | 7   | 7.8                                     | 5.5   | 63  | 6.9   | 7.5   |
| JUN   |      |   |   |   |   |   |   |   |   |   |
| 12... | 0750 | 81213   | 22  | --  | --  | --                                      | 6.7   | 77  | 7.0   | --  |
| 19... | 1005 | 81213   | 6.1   | .4  | 28  | 16                                      | 6.6   | 81  | 7.3   | 7.2   |
| 26... | 0735 | 81213   | 14  | --  | --  | --                                      | 5.9   | 72  | 7.0   | --  |
| JUL   |      |   |   |   |   |   |   |   |   |   |
| 06... | 1035 | 81213   | 7.6   | .7  | 8   | 4.6                                     | 7.0   | 89  | 7.4   | 7.4   |
| 10... | 0920 | 81213   | 4.7   | --  | --  | --                                      | 6.4   | 80  | 7.2   | --  |
| 20... | 0650 | 81213   | 3.3   | --  | --  | --                                      | 5.2   | 65  | 7.1   | --  |
| AUG   |      |   |   |   |   |   |   |   |   |   |
| 03... | 0750 | 81213   | 3.8   | .9  | 2   | 5.1                                     | 5.5   | 67  | 6.9   | 7.4   |
| SEP   |      |   |   |   |   |   |   |   |   |   |
| 07... | 0710 | 81213   | 5.1   | --  | --  | --                                      | 5.1   | 57  | 6.8   | --  |
| 11... | 0800 | 81213   | 5.1   | .5  | 4   | 6.2                                     | 6.4   | 74  | 6.9   | 7.3   |
| 13... | 0715 | 81213   | 3.6   | --  | --  | --                                      | 6.2   | 71  | 6.9   | --  |
| OCT   |      |   |   |   |   |   |   |   |   |   |
| 02... | 1040 | 81213   | 11  | .4  | 4   | 8.3                                     | 7.7   | 83  | 7.2   | 7.2   |
| NOV   |      |   |   |   |   |   |   |   |   |   |
| 20... | 0855 | 81213   | >366  | 1.1   | 27  | 28                                      | 10.5  | 89  | 7.0   | 7.3   |
| DEC   |      |   |   |   |   |   |   |   |   |   |
| 06... | 0905 | 81213   | 56  | .7  | 4   | 6.4                                     | 11.0  | 87  | 7.1   | 7.2   |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344960 RED OAK CREEK NEAR IMLAC, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 27... | 45  | 45  | 1.0   | 2.2   | 15   | .07   | .2  | <.020   | 3.2  | --  |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 28... | 50  | 49  | 3.0   | 12.5  | 19   | .04   | .1  | <.020   | 1.9  | 220   |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 01... | --  | 46  | 14.0  | 11.8  | --   | --  | --  | --  | --   | 80  |
| 16... | --  | 49  | 15.0  | 14.2  | --   | --  | --  | --  | --   | 20  |
| 21... | 37  | 33  | 14.7  | 12.8  | 9  | .06   | .2  | .070  | 6.7  | 3300  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 11... | 47  | 46  | 10.0  | 14.1  | 18   | .05   | .1  | <.020   | 2.5  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 30... | 64  | 65  | 15.0  | 21.0  | 26   | .10   | .2  | .020  | 2.7  | 170   |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 12... | --  | 68  | 15.9  | 21.8  | --   | --  | --  | --  | --   | 3500  |
| 19... | 66  | 69  | 30.2  | 24.9  | 26   | .11   | .2  | .040  | 2.2  | 220   |
| 26... | --  | 68  | 19.3  | 24.5  | --   | --  | --  | --  | --   | 130   |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 06... | 65  | 69  | 32.0  | 26.3  | 26   | .06   | .1  | .020  | 1.9  | 130   |
| 10... | --  | 68  | 29.4  | 26.3  | --   | --  | --  | --  | --   | 20  |
| 20... | --  | 70  | 22.4  | 26.0  | --   | --  | --  | --  | --   | 230   |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 03... | 74  | 75  | 21.0  | 24.2  | 28   | .17   | .3  | <.020   | 2.3  | 40  |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 07... | --  | 61  | 16.7  | 19.9  | --   | --  | --  | --  | --   | 50  |
| 11... | 60  | 62  | 18.2  | 21.8  | 23   | .06   | .2  | <.020   | 2.1  | 130   |
| 13... | --  | 63  | 17.4  | 21.7  | --   | --  | --  | --  | --   | E340  |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 02... | 60  | 63  | 21.7  | 18.5  | 15   | .16   | .2  | <.020   | 3.4  | <20   |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 20... | 57  | 60  | 3.6   | 7.8   | 13   | .10   | .2  | .030  | 3.0  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 06... | 56  | 57  | -3.3  | 5.0   | 14   | .03   | .1  | <.020   | 2.2  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02344960 RED OAK CREEK NEAR IMLAC, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE NUMBER (00028) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00301) | PH WATER WHOLE FIELD (STANDARD UNITS) (00400) | SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095) | TEMPER-ATURE AIR (DEG C) (00020) | TEMPER-ATURE WATER (DEG C) (00010) | CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916) | MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927) |
|-----------|------|---|---|---|---|---|---|----------------------------------|------------------------------------|---|---|
| MAR 13... | 1145 | 81213                                   | 178   | 9.0   | 85  | 7.0   | 49                                      | 11.5                             | 12.3                               | 2.6   | 1.2   |
| OCT 02... | 1040 | 81213                                   | 11  | 7.7   | 83  | 7.2   | 63                                      | 21.7                             | 18.5                               | 3.4   | 1.3   |

| DATE      | ANTI-MONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | THAL-LIUM, TOTAL (UG/L AS TL) (01059) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) |
|-----------|---------------------------------------|------------------------------------|--|--|---|---|---|---|---------------------------------------|---------------------------------------|---|
| MAR 13... | <1.0                                  | <2.0                               | <.5  | <1.0   | <1.0  | <1.0  | <.1   | <1.0  | <2.0                                  | <2.0                                  | 1.5   |
| OCT 02... | <1.0                                  | <4.0                               | <.5  | <1.0   | <2.0  | <2.0  | <.1   | <1.0  | <4.0                                  | <2.0                                  | 2.3   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02345000 FLINT RIVER NEAR MOLENA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°59'21", long 84°31'45", Meriwether-Pike County line, Hydrologic Unit 03130005, at bridge on Georgia Highways 18 and 74, 1.8 miles upstream of Elkins Creek, 2.0 miles southwest of Molena, and at mile 278.0.

**DRAINAGE AREA.**--990 mi<sup>2</sup>.

**PERIOD OF RECORD.**--April 1995 to November 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) |      |
|-------|------|---|---|---|--|---|---|---|--|---|---|---|------|
| JAN   |      |   |   |   |  |   |   |   |  |   |   |   |      |
| 27... | 1130 | 81213   | E1480   | --  | 18   | 21                                      | 12.8  | 95.5  | 6.8  | 6.6   | 54  | 53  | 1.0  |
| FEB   |      |   |   |   |  |   |   |   |  |   |   |   |      |
| 28... | 0820 | 81213   | E502  | .6  | 6  | 8.6                                     | 9.5   | 91.1  | 7.2  | 7.3   | 73  | 73  | 1.0  |
| MAR   |      |   |   |   |  |   |   |   |  |   |   |   |      |
| 01... | 1055 | 81213   | E572  | --  | --   | --                                      | 8.8   | 84.5  | 7.3  | --  | --  | 65  | 16.0 |
| 13... | 1220 | 81213   | E963  | --  | --   | --                                      | 8.8   | 86.0  | 6.9  | --  | --  | 73  | 14.0 |
| 16... | 0735 | 81213   | E721  | --  | --   | --                                      | 9.4   | 93.8  | 7.0  | --  | --  | 72  | 15.0 |
| 21... | 1125 | 81213   | E3300   | 2.0   | 58   | 77                                      | 8.6   | 83.6  | 6.7  | 6.8   | 46  | 40  | 12.3 |
| APR   |      |   |   |   |  |   |   |   |  |   |   |   |      |
| 11... | 0735 | 81213   | E682  | 3.2   | 6  | 11                                      | 8.6   | 85.9  | 6.9  | 7.3   | 63  | 62  | 11.5 |
| MAY   |      |   |   |   |  |   |   |   |  |   |   |   |      |
| 30... | 0730 | 81213   | E172  | 2.3   | 7  | 9.7                                     | 5.6   | 67.7  | 6.8  | 7.2   | 97  | 98  | 16.4 |
| JUN   |      |   |   |   |  |   |   |   |  |   |   |   |      |
| 12... | 0720 | 81213   | E78   | --  | --   | --                                      | 6.6   | 82.4  | 7.0  | --  | --  | 113   | 18.4 |
| 19... | 1140 | 81213   | E72   | .9  | 4  | 3.4                                     | 7.2   | 93.4  | 7.5  | 7.5   | 106   | 106   | 33.9 |
| 26... | 0705 | 81213   | E59   | --  | --   | --                                      | 5.3   | 69.5  | 7.0  | --  | --  | 124   | 24.3 |
| JUL   |      |   |   |   |  |   |   |   |  |   |   |   |      |
| 06... | 1220 | 81213   | E43   | .9  | 5  | 3.7                                     | 6.2   | 82.7  | 7.2  | 7.4   | 106   | 110   | 35.2 |
| 10... | 0955 | 81213   | E25   | --  | --   | --                                      | 5.3   | 70.0  | 6.9  | --  | --  | 108   | 31.8 |
| 20... | 0635 | 81213   | E25   | --  | --   | --                                      | 5.7   | 75.1  | 6.8  | --  | --  | 117   | 22.9 |
| AUG   |      |   |   |   |  |   |   |   |  |   |   |   |      |
| 03... | 0715 | 81213   | E127  | .8  | 2  | 2.3                                     | 6.2   | 78.7  | 7.1  | 7.6   | 188   | 188   | 22.5 |
| SEP   |      |   |   |   |  |   |   |   |  |   |   |   |      |
| 07... | 0635 | 81213   | E464  | --  | --   | --                                      | 6.9   | 79.1  | 6.8  | --  | --  | 83  | 16.5 |
| 11... | 0720 | 81213   | E195  | .5  | 2  | 12                                      | 6.4   | 76.0  | 6.9  | 7.2   | 80  | 81  | 19.0 |
| 13... | 0650 | 81213   | E149  | --  | --   | --                                      | 6.0   | 72.1  | 6.9  | --  | --  | 90  | 18.9 |
| OCT   |      |   |   |   |  |   |   |   |  |   |   |   |      |
| 02... | 1150 | 81213   | E185  | .4  | 2  | 6.4                                     | 7.5   | 84.9  | 7.4  | 7.5   | 114   | 117   | 23.1 |
| NOV   |      |   |   |   |  |   |   |   |  |   |   |   |      |
| 20... | 0815 | 81213   | E803  | .9  | 31   | 26                                      | 9.9   | 86.2  | 7.0  | 7.3   | 92  | 95  | 2.7  |
| DEC   |      |   |   |   |  |   |   |   |  |   |   |   |      |
| 06... | 0820 | 81213   | E498  | .8  | 3  | 7.2                                     | 10.8  | 88.0  | 7.1  | 7.3   | 78  | 79  | -4.8 |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02345000 FLINT RIVER NEAR MOLENA, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|--|---|---|---|--|---|
| JAN   |  |  |   |   |   |  |   |
| 27... | 2.6                                    | 14   | .05   | .3  | .050  | 3.5  | --  |
| FEB   |  |  |   |   |   |  |   |
| 28... | 13.1                                   | 21   | .04   | .2  | <.020   | 2.5  | 170   |
| MAR   |  |  |   |   |   |  |   |
| 01... | 13.0                                   | --   | --  | --  | --  | --   | 20  |
| 13... | 13.9                                   | --   | --  | --  | --  | --   | --  |
| 16... | 14.5                                   | --   | --  | --  | --  | --   | 82  |
| 21... | 13.6                                   | 14   | .08   | .2  | .100  | 6.2  | 3100  |
| APR   |  |  |   |   |   |  |   |
| 11... | 15.2                                   | 20   | .05   | .2  | .040  | 2.9  | --  |
| MAY   |  |  |   |   |   |  |   |
| 30... | 24.2                                   | 22   | .13   | .4  | .050  | 5.7  | 130   |
| JUN   |  |  |   |   |   |  |   |
| 12... | 25.8                                   | --   | --  | --  | --  | --   | 50  |
| 19... | 28.7                                   | 29   | .12   | .1  | .060  | 2.7  | 20  |
| 26... | 28.2                                   | --   | --  | --  | --  | --   | 20  |
| JUL   |  |  |   |   |   |  |   |
| 06... | 29.0                                   | 28   | .08   | .1  | .030  | 2.6  | <20   |
| 10... | 29.0                                   | --   | --  | --  | --  | --   | 50  |
| 20... | 28.5                                   | --   | --  | --  | --  | --   | 20  |
| AUG   |  |  |   |   |   |  |   |
| 03... | 26.9                                   | 33   | .04   | .1  | <.020   | 3.1  | 50  |
| SEP   |  |  |   |   |   |  |   |
| 07... | 21.9                                   | --   | --  | --  | --  | --   | 20  |
| 11... | 23.1                                   | 17   | .05   | .2  | .050  | 4.0  | 50  |
| 13... | 23.7                                   | --   | --  | --  | --  | --   | E70   |
| OCT   |  |  |   |   |   |  |   |
| 02... | 20.8                                   | 24   | .04   | .3  | .040  | 3.2  | <20   |
| NOV   |  |  |   |   |   |  |   |
| 20... | 8.9                                    | 18   | .10   | .2  | .080  | 3.6  | --  |
| DEC   |  |  |   |   |   |  |   |
| 06... | 6.4                                    | 17   | .05   | .2  | <.020   | 3.0  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02345000 FLINT RIVER NEAR MOLENA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) |
|--------------|------|---|---|---|--|--|--|---|---|--|--|---|--|
| MAR<br>13... | 1220 | 81213   | E963  | 8.8   | 86.0   | 6.9  | 73   | 14.0  | 13.9  | 3.7  | 1.4  | <1.0  | 4.0  |
| OCT<br>02... | 1150 | 81213   | E185  | 7.5   | 84.9   | 7.4  | 117  | 23.1  | 20.8  | 5.8  | 1.6  | <1.0  | <4.0   |

| DATE         | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |     |
|--------------|--|---|--|--|--|--|---|---|--|-----|
| MAR<br>13... |  | <.5   | <1.0   | <1.0   | <1.0   | <.1  | <1.0  | <2.0  | <2.0   | 1.3 |
| OCT<br>02... |  | <.5   | <1.0   | <2.0   | <2.0   | <.1  | <1.0  | <4.0  | <2.0   | 2.0 |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02345330 ELKINS CREEK AT MOLENA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°00'45", long 84°28'59", Pike County, Hydrologic Unit 03130005, at bridge on Georgia Highway 109, 2.0 miles downstream of Bull Creek, 0.4 mile upstream of Mountain Creek, and 1.0 mile east of Molena.

**DRAINAGE AREA.**--75.7 mi<sup>2</sup>.

**PERIOD OF RECORD.**--April 1995 to November 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|---|---|---|
| JAN   |      |   |   |   |   |   |   |   |   |   |
| 27... | 1230 | 81213   | 111   | --  | 6   | 14                                      | 12.9  | 96  | 6.7   | 6.6   |
| FEB   |      |   |   |   |   |   |   |   |   |   |
| 28... | 0725 | 81213   | 53  | 1.0   | 8   | 10                                      | 9.0   | 87  | 6.9   | 7.1   |
| MAR   |      |   |   |   |   |   |   |   |   |   |
| 01... | 1130 | 81213   | 45  | --  | --  | --                                      | 8.6   | 82  | 7.1   | --  |
| 16... | 0715 | 81213   | 112   | --  | --  | --                                      | 8.9   | 88  | 6.8   | --  |
| 21... | 1200 | 81213   | 519   | 1.7   | 22  | 36                                      | 9.1   | 88  | 6.4   | 6.6   |
| APR   |      |   |   |   |   |   |   |   |   |   |
| 11... | 0640 | 81213   | 48  | 3.2   | 6   | 8.0                                     | 8.9   | 88  | 6.7   | 7.4   |
| MAY   |      |   |   |   |   |   |   |   |   |   |
| 30... | 0630 | 81213   | .00   | 2.1   | <1  | 9.6                                     | 5.7   | 67  | 6.7   | 7.2   |
| JUN   |      |   |   |   |   |   |   |   |   |   |
| 12... | 0630 | 81213   | 1.2   | --  | --  | --                                      | 5.4   | 64  | 6.8   | --  |
| 19... | 1250 | 81213   | E.50  | 1.1   | 40  | 13                                      | 4.0   | 50  | 7.2   | 7.3   |
| 26... | 0635 | 81213   | 3.4   | --  | --  | --                                      | 5.1   | 62  | 6.8   | --  |
| JUL   |      |   |   |   |   |   |   |   |   |   |
| 06... | 1325 | 81213   | 2.0   | 1.6   | 8   | 5.8                                     | 5.4   | 70  | 6.9   | 7.4   |
| 10... | 1045 | 81213   | 1.8   | --  | --  | --                                      | 3.8   | 48  | 6.9   | --  |
| 20... | 0610 | 81213   | 1.8   | --  | --  | --                                      | 4.8   | 61  | 6.8   | --  |
| AUG   |      |   |   |   |   |   |   |   |   |   |
| 03... | 0625 | 81213   | 3.0   | 1.3   | 7   | 9.1                                     | 3.9   | 48  | 6.8   | 7.2   |
| SEP   |      |   |   |   |   |   |   |   |   |   |
| 07... | 0615 | 81213   | 34  | --  | --  | --                                      | 6.9   | 78  | 6.6   | --  |
| 11... | 0630 | 81213   | 13  | 1.1   | 15  | 19                                      | 6.3   | 72  | 6.7   | 7.0   |
| 13... | 0615 | 81213   | 6.0   | --  | --  | --                                      | 6.1   | 70  | 6.7   | --  |
| OCT   |      |   |   |   |   |   |   |   |   |   |
| 02... | 1245 | 81213   | E.60  | .9  | 19  | 16                                      | 6.6   | 72  | 7.3   | 7.4   |
| NOV   |      |   |   |   |   |   |   |   |   |   |
| 20... | 0725 | 81213   | 166   | 1.3   | 9   | 16                                      | 10.3  | 87  | 6.8   | 7.1   |
| DEC   |      |   |   |   |   |   |   |   |   |   |
| 06... | 0730 | 81213   | 28  | 1.0   | 2   | 7.2                                     | 11.1  | 86  | 7.1   | 7.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02345330 ELKINS CREEK AT MOLENA, GA--Continued**

**PERIODIC WATER-QUALITY RECORDS**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|---|---|---|---|--|---|
| JAN   |   |   |   |   |   |   |   |   |  |   |
| 27... | 42  | 42  | 2.0   | 2.1   | 10  | .08   | .2  | <.020   | 3.0  | --  |
| FEB   |   |   |   |   |   |   |   |   |  |   |
| 28... | 53  | 54  | .0  | 13.2  | 18  | .03   | .1  | <.020   | 2.4  | 330   |
| MAR   |   |   |   |   |   |   |   |   |  |   |
| 01... | --  | 49  | 17.0  | 12.5  | --  | --  | --  | --  | --   | 80  |
| 16... | --  | 49  | 15.0  | 14.2  | --  | --  | --  | --  | --   | 50  |
| 21... | 37  | 32  | 20.0  | 13.0  | 8   | .06   | .1  | .060  | 6.5  | 1100  |
| APR   |   |   |   |   |   |   |   |   |  |   |
| 11... | 51  | 52  | 6.6   | 14.1  | 20  | .07   | .1  | .020  | 3.2  | --  |
| MAY   |   |   |   |   |   |   |   |   |  |   |
| 30... | 73  | 75  | 14.5  | 21.9  | 33  | .10   | .2  | .030  | 5.9  | 230   |
| JUN   |   |   |   |   |   |   |   |   |  |   |
| 12... | --  | 77  | 15.2  | 23.0  | --  | --  | --  | --  | --   | 700   |
| 19... | 72  | 80  | 34.5  | 26.2  | 33  | .15   | .1  | .060  | 5.0  | 490   |
| 26... | --  | 78  | 22.5  | 24.4  | --  | --  | --  | --  | --   | 110   |
| JUL   |   |   |   |   |   |   |   |   |  |   |
| 06... | 69  | 75  | 39.0  | 28.0  | 29  | .08   | .1  | .040  | 3.5  | 80  |
| 10... | --  | 75  | 31.6  | 26.8  | --  | --  | --  | --  | --   | 330   |
| 20... | --  | 80  | 20.2  | 26.0  | --  | --  | --  | --  | --   | 490   |
| AUG   |   |   |   |   |   |   |   |   |  |   |
| 03... | 71  | 74  | 20.5  | 24.9  | 33  | .10   | .04   | .020  | 3.2  | 170   |
| SEP   |   |   |   |   |   |   |   |   |  |   |
| 07... | --  | 69  | 16.6  | 20.4  | --  | --  | --  | --  | --   | 110   |
| 11... | 67  | 69  | 16.4  | 21.2  | 17  | .08   | .2  | .050  | 6.0  | 130   |
| 13... | --  | 71  | 16.5  | 21.5  | --  | --  | --  | --  | --   | E130  |
| OCT   |   |   |   |   |   |   |   |   |  |   |
| 02... | 73  | 76  | 28.7  | 18.8  | 26  | .08   | .1  | .040  | 6.0  | <20   |
| NOV   |   |   |   |   |   |   |   |   |  |   |
| 20... | 57  | 60  | 3.0   | 7.6   | 11  | .13   | .5  | .040  | 5.3  | --  |
| DEC   |   |   |   |   |   |   |   |   |  |   |
| 06... | 56  | 57  | -5.0  | 4.6   | 13  | .05   | .1  | <.020   | 3.6  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02345330 ELKINS CREEK AT MOLENA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| MAR<br>13... | 1300 | 81213   | 112   | 10.1  | 95  | 7.1  | 49   | 17.0  | 11.8  | 3.0  | 1.4  |
| OCT<br>02... | 1245 | 81213   | E.60  | 6.6   | 72  | 7.3  | 76   | 28.7  | 18.8  | 5.4  | 2.1  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>13... | <1.0  | <2.0   | <.5  | 1.7   | <1.0   | 2.0  | <.1  | <1.0   | <2.0  | <2.0  | 9.8  |
| OCT<br>02... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 2.3  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02346180 FLINT RIVER NEAR THOMASTON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°50'20", long 84°25'27", Talbot-Upson County line, Hydrologic Unit 03130005, at bridge on Georgia Highway 36, 2.5 miles upstream from Lazar Creek, and 7.8 miles west of Thomaston.

**DRAINAGE AREA.**--1220 mi<sup>2</sup>.

**PERIOD OF RECORD.**--April 1995 to November 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>AIR<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) |      |
|-------|------|---|---|---|---|---|---|---|--|---|---|---|------|
| JAN   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 25... | 1400 | 81213   | E2650   | 1.0   | 21  | 25                                      | 12.4  | 98.0  | 7.3  | 7.2   | 61  | 53  | 7.5  |
| FEB   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 22... | 1235 | 81213   | E653  | 1.7   | 4   | 9.2                                     | 11.6  | 106   | 7.6  | 7.3   | 60  | 57  | 17.5 |
| 29... | 1215 | 81213   | E735  | --  | --  | --                                      | 11.0  | 105   | 7.6  | --  | --  | 63  | 21.0 |
| MAR   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 06... | 1230 | 81213   | E707  | .7  | 2   | 7.7                                     | 11.0  | 106   | 7.8  | 7.5   | 63  | 57  | 22.0 |
| 15... | 1025 | 81213   | E875  | --  | --  | --                                      | 10.8  | 103   | 7.5  | --  | --  | 61  | 18.0 |
| APR   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 17... | 1250 | 81213   | E784  | 1.8   | 3   | 6.6                                     | 10.9  | 118   | 7.7  | 7.5   | 61  | 53  | 27.4 |
| MAY   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 15... | 1100 | 81213   | E228  | 1.8   | 5   | 2.3                                     | 7.2   | 86.1  | 7.7  | 7.5   | 77  | 78  | 21.0 |
| 23... | 1125 | 81213   | E187  | --  | --  | --                                      | 7.9   | 99.3  | 7.5  | --  | --  | 80  | 29.6 |
| JUN   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 01... | 0950 | 81213   | E166  | --  | --  | --                                      | 7.7   | 95.4  | 7.6  | --  | --  | 88  | 27.0 |
| 12... | 1040 | 81213   | E99   | 8.5   | <1  | 1.4                                     | 6.9   | 88.7  | 7.6  | 7.5   | 90  | 89  | 28.3 |
| JUL   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 25... | 1220 | 81213   | E85   | 1.1   | 3   | 2.5                                     | 6.9   | 88.3  | 7.5  | 7.5   | 79  | 80  | 24.9 |
| AUG   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 01... | 1100 | 81213   | E68   | --  | --  | --                                      | 6.9   | 88.8  | 7.5  | --  | --  | 101   | 25.6 |
| 08... | 1000 | 81213   | E186  | --  | --  | --                                      | 8.2   | 111   | 7.6  | --  | --  | 145   | 29.7 |
| 15... | 1220 | 81213   | E74   | 1.3   | 5   | 2.1                                     | 7.3   | 96.5  | 7.6  | 7.3   | 131   | 132   | 33.2 |
| SEP   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 05... | 1220 | 81213   | E659  | 1.3   | 19  | 17                                      | 7.6   | 94.4  | 7.6  | 7.4   | 116   | 118   | 30.4 |
| OCT   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 10... | 1215 | 81213   | E191  | .3  | 3   | 11                                      | 9.2   | 90.2  | 7.8  | 7.5   | 98  | 99  | 15.1 |
| NOV   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 06... | 1245 | 81213   | E861  | 3.8   | 4   | 2.5                                     | 8.3   | 92.4  | 7.7  | 7.4   | 94  | 95  | 18.8 |
| 13... | 1100 | 81213   | E516  | --  | --  | --                                      | 9.8   | 95.0  | 7.5  | --  | --  | 127   | 14.2 |
| 27... | 1215 | 81213   | E1400   | --  | --  | --                                      | 11.3  | 98.6  | 7.4  | --  | --  | 69  | 15.0 |
| DEC   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 05... | 1515 | 81213   | E644  | .7  | 2   | 7.7                                     | 12.6  | 104   | 7.0  | 7.2   | 69  | 66  | 13.0 |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02346180 FLINT RIVER NEAR THOMASTON, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|--|---|---|---|--|---|
| JAN   |  |  |   |   |   |  |   |
| 25... | 4.8                                    | 16   | .09   | .3  | .050  | 3.6  | 490   |
| FEB   |  |  |   |   |   |  |   |
| 22... | 11.6                                   | 18   | .03   | .1  | .020  | 2.6  | 50  |
| 29... | 13.1                                   | --   | --  | --  | --  | --   | 80  |
| MAR   |  |  |   |   |   |  |   |
| 06... | 13.5                                   | 20   | .05   | .1  | .020  | 2.8  | <20   |
| 15... | 13.3                                   | --   | --  | --  | --  | --   | 20  |
| APR   |  |  |   |   |   |  |   |
| 17... | 18.5                                   | 20   | .02   | .2  | .020  | 2.7  | --  |
| MAY   |  |  |   |   |   |  |   |
| 15... | 24.3                                   | 24   | .06   | .1  | <.020   | 3.1  | 80  |
| 23... | 26.1                                   | --   | --  | --  | --  | --   | 20  |
| JUN   |  |  |   |   |   |  |   |
| 01... | 25.4                                   | --   | --  | --  | --  | --   | 130   |
| 12... | 28.0                                   | 25   | .07   | .1  | <.020   | 3.3  | 50  |
| JUL   |  |  |   |   |   |  |   |
| 25... | 27.8                                   | 21   | .06   | .1  | .020  | 3.1  | 90  |
| AUG   |  |  |   |   |   |  |   |
| 01... | 28.2                                   | --   | --  | --  | --  | --   | 130   |
| 08... | 30.5                                   | --   | --  | --  | --  | --   | 50  |
| 15... | 29.4                                   | 20   | .08   | .1  | <.020   | 5.1  | 40  |
| SEP   |  |  |   |   |   |  |   |
| 05... | 25.9                                   | 21   | .06   | .4  | .060  | 3.1  | --  |
| OCT   |  |  |   |   |   |  |   |
| 10... | 14.3                                   | 24   | .08   | .1  | .030  | 2.9  | --  |
| NOV   |  |  |   |   |   |  |   |
| 06... | 19.7                                   | 24   | .04   | <.02  | .020  | 2.2  | 110   |
| 13... | 13.4                                   | --   | --  | --  | --  | --   | 80  |
| 27... | 8.8                                    | --   | --  | --  | --  | --   | 50  |
| DEC   |  |  |   |   |   |  |   |
| 05... | 6.5                                    | 16   | .02   | .2  | <.020   | 3.3  | 70  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02346180 FLINT RIVER NEAR THOMASTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00301)<br>(00400) | PH<br>WATER<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) |
|--------------|------|---|---|---|---|---|--|---|---|--|--|---|--|
| APR<br>17... | 1250 | 81213   | E784  | 10.9  | 118   | 7.7   | 53   | 27.4  | 18.5  | 3.3  | 1.3  | <1.0  | <2.0   |
| JUL<br>25... | 1220 | 81213   | E85   | 6.9   | 88.3  | 7.5   | 80   | 24.9  | 27.8  | 2.0  | 1.8  | <1.0  | <4.0   |

| DATE         | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|--|---|--|--|--|--|---|---|--|
| APR<br>17... | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | <1.0   |
| JUL<br>25... | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 2.8  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02346195 LAZER CREEK NEAR TALBOTTON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°44'33", long 84°33'20", Talbot County, Hydrologic Unit 03130005, at bridge on Georgia Highway 41, 5.0 miles north of Talbotton.

**DRAINAGE AREA.**--81.3 mi<sup>2</sup>.

**PERIOD OF RECORD.**--April 1995 to November 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>TUR-<br>BID-<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|--|---|--|
| JAN   |      |   |   |   |   |   |   |  |   |  |
| 25... | 1520 | 81213   | 93  | 1.0   | 18  | 37                                      | 11.7  | 92   | 7.0   | 7.0  |
| FEB   |      |   |   |   |   |   |   |  |   |  |
| 22... | 1345 | 81213   | 35  | .7  | 2   | 4.8                                     | 11.1  | 100  | 7.4   | 7.4  |
| 29... | 1320 | 81213   | 38  | --  | --  | --                                      | 11.1  | 106  | 7.3   | --   |
| MAR   |      |   |   |   |   |   |   |  |   |  |
| 06... | 1330 | 81213   | 39  | .8  | 4   | 7.7                                     | 10.5  | 102  | 7.7   | 7.4  |
| 15... | 0930 | 81213   | 42  | --  | --  | --                                      | 10.2  | 94   | 7.2   | --   |
| APR   |      |   |   |   |   |   |   |  |   |  |
| 17... | 1410 | 81213   | 44  | 1.9   | <1  | 6.8                                     | 9.5   | 104  | 7.4   | 7.4  |
| MAY   |      |   |   |   |   |   |   |  |   |  |
| 15... | 1245 | 81213   | 18  | 4.3   | <1  | 6.8                                     | 7.8   | 88   | 7.3   | 7.4  |
| 23... | 1215 | 81213   | 17  | --  | --  | --                                      | 8.0   | 96   | 7.3   | --   |
| JUN   |      |   |   |   |   |   |   |  |   |  |
| 01... | 1030 | 81213   | 12  | --  | --  | --                                      | 8.8   | 102  | 7.4   | --   |
| 12... | 1135 | 81213   | 5.8   | 2.9   | 4   | 6.3                                     | 8.6   | 102  | 7.4   | 7.3  |
| JUL   |      |   |   |   |   |   |   |  |   |  |
| 25... | 1340 | 81213   | 6.6   | .7  | 4   | 4.2                                     | 7.4   | 92   | 7.4   | 7.4  |
| AUG   |      |   |   |   |   |   |   |  |   |  |
| 01... | 1150 | 81213   | 4.2   | --  | --  | --                                      | 8.5   | 105  | 7.4   | --   |
| 08... | 1100 | 81213   | 8.6   | --  | --  | --                                      | 7.5   | 94   | 7.2   | --   |
| 15... | 1300 | 81213   | 2.7   | 1.4   | 5   | 6.5                                     | 8.5   | 106  | 7.5   | 7.4  |
| SEP   |      |   |   |   |   |   |   |  |   |  |
| 05... | 1330 | 81213   | 9.9   | .6  | 7   | 8.7                                     | 7.4   | 91   | 7.5   | 7.3  |
| OCT   |      |   |   |   |   |   |   |  |   |  |
| 10... | 1315 | 81213   | 9.0   | .2  | 2   | 5.0                                     | 9.6   | 92   | 7.4   | 7.4  |
| NOV   |      |   |   |   |   |   |   |  |   |  |
| 06... | 1355 | 81213   | 17  | 1.9   | 2   | 2.9                                     | 7.5   | 80   | 7.3   | 7.2  |
| 13... | 1200 | 81213   | 23  | --  | --  | --                                      | 8.9   | 84   | 7.0   | --   |
| 27... | 1310 | 81213   | 46  | --  | --  | --                                      | 9.9   | 88   | 7.0   | --   |
| DEC   |      |   |   |   |   |   |   |  |   |  |
| 05... | 1630 | 81213   | 27  | .5  | 1   | 4.4                                     | 11.6  | 93   | 7.1   | 7.1  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02346195 LAZER CREEK NEAR TALBOTTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|---|---|---|---|--|---|
| JAN   |   |  |   |   |   |   |   |   |  |   |
| 25... | 46  | 38   | 4.5   | 4.5   | 14  | .06   | .3  | .040  | 3.6  | 130   |
| FEB   |   |  |   |   |   |   |   |   |  |   |
| 22... | 53  | 55   | 18.0  | 11.0  | 23  | .04   | .04   | <.020   | 1.3  | 70  |
| 29... | --  | 52   | 22.5  | 13.0  | --  | --  | --  | --  | --   | 70  |
| MAR   |   |  |   |   |   |   |   |   |  |   |
| 06... | 54  | 48   | 22.0  | 13.7  | 25  | .06   | .1  | <.020   | 1.9  | 130   |
| 15... | --  | 54   | 17.0  | 11.6  | --  | --  | --  | --  | --   | 790   |
| APR   |   |  |   |   |   |   |   |   |  |   |
| 17... | 54  | 50   | 25.5  | 18.8  | 23  | .04   | .1  | <.020   | 1.8  | --  |
| MAY   |   |  |   |   |   |   |   |   |  |   |
| 15... | 55  | 57   | 26.0  | 21.2  | 24  | .09   | .2  | <.020   | 1.4  | 70  |
| 23... | --  | 47   | 30.4  | 23.7  | --  | --  | --  | --  | --   | 80  |
| JUN   |   |  |   |   |   |   |   |   |  |   |
| 01... | --  | 52   | 30.8  | 21.8  | --  | --  | --  | --  | --   | 230   |
| 12... | 49  | 48   | 34.1  | 23.7  | 21  | .05   | .1  | <.020   | 1.1  | 110   |
| JUL   |   |  |   |   |   |   |   |   |  |   |
| 25... | 42  | 43   | 28.2  | 25.8  | 18  | .02   | .1  | <.020   | 3.3  | 90  |
| AUG   |   |  |   |   |   |   |   |   |  |   |
| 01... | --  | 45   | 29.1  | 25.6  | --  | --  | --  | --  | --   | 50  |
| 08... | --  | 48   | 31.0  | 26.7  | --  | --  | --  | --  | --   | 50  |
| 15... | 46  | 46   | 33.3  | 26.2  | 20  | .06   | .03   | <.020   | 1.5  | 70  |
| SEP   |   |  |   |   |   |   |   |   |  |   |
| 05... | 43  | 56   | 28.7  | 24.8  | 17  | .04   | .1  | <.020   | 2.0  | --  |
| OCT   |   |  |   |   |   |   |   |   |  |   |
| 10... | 50  | 51   | 19.6  | 13.3  | 21  | .08   | <.020   | <.020   | 2.1  | --  |
| NOV   |   |  |   |   |   |   |   |   |  |   |
| 06... | 52  | 53   | 20.7  | 17.5  | 21  | .04   | <.020   | <.020   | 1.6  | 170   |
| 13... | --  | 85   | 17.0  | 12.1  | --  | --  | --  | --  | --   | 130   |
| 27... | --  | 58   | 17.5  | 9.6   | --  | --  | --  | --  | --   | 170   |
| DEC   |   |  |   |   |   |   |   |   |  |   |
| 05... | 54  | 52   | 13.5  | 5.6   | 16  | .05   | .1  | <.020   | 2.6  | 50  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02346195 LAZER CREEK NEAR TALBOTTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| APR<br>17... | 1410 | 81213   | 44  | 9.5   | 104   | 7.4  | 50   | 25.5  | 18.8  | 3.1  | 1.2  |
| JUL<br>25... | 1340 | 81213   | 6.6   | 7.4   | 92  | 7.4  | 43   | 28.2  | 25.8  | 2.7  | 1.0  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| APR<br>17... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 1.1  |
| JUL<br>25... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02346405 POTATO CREEK AT ALABAMA ROAD, NEAR PIEDMONT, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 33°00'51", long 84°15'38", Lamar County, Hydrologic Unit 03130005, at bridge on Alabama Road, 1.1 miles upstream from Little Potato Creek, and 0.3 mile west of Piedmont.

**DRAINAGE AREA.**--97.0 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY ANA-LYZING SAMPLE NUMBER (00028) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530) | TUR-BID-ITY (NTU) (00076) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400) | PH WATER WHOLE LAB (STAND-ARD UNITS) (00403) |
|-------|------|---|---|---|--|---------------------------|-----------------------------------|---|--|--|
| JAN   |      |   |   |   |  |                           |                                   |   |  |  |
| 25... | 0945 | 81213                                   | 294   | 1.6   | 25   | 29                        | 11.9                              | 93  | 6.8  | 6.9  |
| FEB   |      |   |   |   |  |                           |                                   |   |  |  |
| 22... | 0900 | 81213                                   | 47  | 1.5   | 4  | 4.9                       | 10.7                              | 90  | 7.0  | 7.1  |
| 29... | 0850 | 81213                                   | 54  | --  | --   | --                        | 9.9                               | 88  | 6.8  | --   |
| MAR   |      |   |   |   |  |                           |                                   |   |  |  |
| 06... | 0920 | 81213                                   | 51  | 1.2   | 5  | 6.5                       | 9.3                               | 85  | 6.2  | 7.3  |
| 15... | 1305 | 81213                                   | 62  | --  | --   | --                        | 9.6                               | 96  | 6.9  | --   |
| APR   |      |   |   |   |  |                           |                                   |   |  |  |
| 17... | 0930 | 81213                                   | 136   | 1.3   | 7  | 7.4                       | 8.6                               | 86  | 6.2  | 7.1  |
| MAY   |      |   |   |   |  |                           |                                   |   |  |  |
| 15... | 0745 | 81213                                   | 16  | 7.9   | 4  | 4.5                       | 8.3                               | 88  | 7.1  | 7.3  |
| 23... | 0745 | 81213                                   | 14  | --  | --   | --                        | 7.6                               | 83  | 7.1  | --   |
| 31... | 0950 | 81213                                   | 12  | --  | --   | --                        | 9.5                               | 104   | 7.3  | --   |
| JUN   |      |   |   |   |  |                           |                                   |   |  |  |
| 12... | 0740 | 81213                                   | 7.5   | 2.5   | 5  | 3.7                       | 7.2                               | 80  | 7.1  | 7.6  |
| JUL   |      |   |   |   |  |                           |                                   |   |  |  |
| 25... | 0810 | 81213                                   | 6.2   | .4  | 2  | 3.4                       | 6.4                               | 76  | 7.2  | 7.6  |
| AUG   |      |   |   |   |  |                           |                                   |   |  |  |
| 01... | 0730 | 81213                                   | 5.3   | --  | --   | --                        | 6.2                               | 74  | 7.2  | --   |
| 08... | 0740 | 81213                                   | 10  | --  | --   | --                        | 6.1                               | 73  | 7.3  | --   |
| 15... | 0745 | 81213                                   | 4.7   | 1.8   | 6  | 5.3                       | 7.2                               | 81  | 7.4  | 7.5  |
| SEP   |      |   |   |   |  |                           |                                   |   |  |  |
| 05... | 0940 | 81213                                   | 32  | 1.3   | 17   | 15                        | 6.4                               | 76  | 6.9  | 7.1  |
| OCT   |      |   |   |   |  |                           |                                   |   |  |  |
| 10... | 0835 | 81213                                   | 10  | .4  | 3  | 4.3                       | 9.9                               | 86  | 7.5  | 7.5  |
| NOV   |      |   |   |   |  |                           |                                   |   |  |  |
| 06... | 0915 | 81213                                   | 5.3   | 4.4   | 3  | 2.0                       | 7.5                               | 77  | 7.3  | 7.4  |
| 13... | 0900 | 81213                                   | 21  | --  | --   | --                        | 9.3                               | 84  | 6.9  | --   |
| 27... | 0940 | 81213                                   | 112   | --  | --   | --                        | 10.3                              | 89  | 7.0  | --   |
| DEC   |      |   |   |   |  |                           |                                   |   |  |  |
| 05... | 0945 | 81213                                   | 32  | 1.0   | 12   | 8.8                       | 12.0                              | 91  | 6.5  | 7.1  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02346405 POTATO CREEK AT ALABAMA ROAD, NEAR PIEDMONT, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|---|---|---|---|--|---|
| JAN   |   |   |   |   |   |   |   |   |  |   |
| 25... | 64  | 49  | .0  | 4.3   | 14  | .15   | .5  | .080  | 3.4  | 1100  |
| FEB   |   |   |   |   |   |   |   |   |  |   |
| 22... | 67  | 64  | 9.0   | 7.7   | 18  | .05   | .2  | .020  | 2.4  | 140   |
| 29... | --  | 67  | 10.5  | 9.8   | --  | --  | --  | --  | --   | 110   |
| MAR   |   |   |   |   |   |   |   |   |  |   |
| 06... | 101   | 92  | 10.2  | 10.8  | 22  | .06   | .4  | .030  | 3.3  | 130   |
| 15... | --  | 65  | 23.5  | 14.8  | --  | --  | --  | --  | --   | 230   |
| APR   |   |   |   |   |   |   |   |   |  |   |
| 17... | 61  | 57  | 17.7  | 15.0  | 18  | .06   | .2  | .030  | 2.8  | --  |
| MAY   |   |   |   |   |   |   |   |   |  |   |
| 15... | 76  | 88  | 16.9  | 17.3  | 24  | .11   | .3  | .020  | 2.7  | 940   |
| 23... | --  | 76  | 19.1  | 18.4  | --  | --  | --  | --  | --   | 220   |
| 31... | --  | 100   | 27.2  | 18.8  | --  | --  | --  | --  | --   | 230   |
| JUN   |   |   |   |   |   |   |   |   |  |   |
| 12... | 110   | 112   | 21.7  | 19.9  | 34  | .11   | .3  | .030  | 2.8  | 210   |
| JUL   |   |   |   |   |   |   |   |   |  |   |
| 25... | 109   | 113   | 21.4  | 22.7  | 36  | .08   | .2  | .030  | 3.7  | 790   |
| AUG   |   |   |   |   |   |   |   |   |  |   |
| 01... | --  | 142   | 23.0  | 23.4  | --  | --  | --  | --  | --   | 330   |
| 08... | --  | 136   | 27.0  | 24.1  | --  | --  | --  | --  | --   | 790   |
| 15... | 153   | 154   | 17.9  | 20.5  | 49  | .10   | .3  | .040  | 6.6  | 1300  |
| SEP   |   |   |   |   |   |   |   |   |  |   |
| 05... | 92  | 94  | 24.4  | 23.0  | 26  | .12   | .3  | .080  | 7.1  | --  |
| OCT   |   |   |   |   |   |   |   |   |  |   |
| 10... | 102   | 105   | 5.2   | 8.9   | 30  | .13   | .1  | <.020   | 4.0  | --  |
| NOV   |   |   |   |   |   |   |   |   |  |   |
| 06... | 113   | 114   | 17.0  | 15.8  | 35  | .47   | <.020   | <.020   | 2.4  | 140   |
| 13... | --  | 120   | 7.5   | 10.1  | --  | --  | --  | --  | --   | 330   |
| 27... | --  | 83  | 7.5   | 8.4   | --  | --  | --  | --  | --   | 230   |
| DEC   |   |   |   |   |   |   |   |   |  |   |
| 05... | 74  | 73  | 7.5   | 3.3   | 19  | .09   | .3  | .020  | 2.8  | 220   |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02346405 POTATO CREEK AT ALABAMA ROAD, NEAR PIEDMONT, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|--|--|--|---|---|--|--|
| APR<br>17... | 0930 | 81213   | 136   | 8.6   | 86   | 6.2  | 57   | 17.7  | 15.0  | 3.5  | 1.2  |
| JUL<br>25... | 0810 | 81213   | 6.2   | 6.4   | 76   | 7.2  | 113  | 21.4  | 22.7  | 6.6  | 1.9  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| APR<br>17... | <1.0  | 2.4  | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 3.0  |
| JUL<br>25... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 2.1  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02346500 POTATO CREEK NEAR THOMASTON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°54'15", long 84°21'45", Upson County, Hydrologic Unit 03130005, at bridge on Georgia Highway 74, 1.0 mile downstream from Ten Mile Creek, and 2.5 miles northwest of Thomaston.

**DRAINAGE AREA.**--186 mi<sup>2</sup>.

**PERIOD OF RECORD.**--November 1969 to June 1972, April 1995 to November 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>WHOLE<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|---|--|---|---|
| JAN   |      |   |   |   |  |   |   |  |   |   |
| 25... | 1110 | 81213   | 515   | 1.8   | 46   | 50                                      | 12.0  | 96   | 7.0   | 6.9   |
| FEB   |      |   |   |   |  |   |   |  |   |   |
| 22... | 1025 | 81213   | 96  | 9.1   | 6  | 8.4                                     | 10.5  | 94   | 7.2   | 7.2   |
| 29... | 1045 | 81213   | 106   | --  | --   | --                                      | 9.6   | 91   | 7.1   | --  |
| MAR   |      |   |   |   |  |   |   |  |   |   |
| 06... | 1040 | 81213   | 112   | 1.0   | 9  | 12                                      | 9.1   | 89   | 7.2   | 7.2   |
| 15... | 1205 | 81213   | 145   | --  | --   | --                                      | 10.1  | 97   | 7.1   | --  |
| APR   |      |   |   |   |  |   |   |  |   |   |
| 17... | 1040 | 81213   | 89  | 1.5   | 9  | 10                                      | 9.0   | 92   | 7.0   | 7.4   |
| MAY   |      |   |   |   |  |   |   |  |   |   |
| 15... | 0855 | 81213   | 16  | 4.3   | 14   | 8.5                                     | 6.2   | 72   | 7.3   | 7.2   |
| 23... | 0840 | 81213   | 20  | --  | --   | --                                      | 7.0   | 84   | 7.1   | --  |
| JUN   |      |   |   |   |  |   |   |  |   |   |
| 01... | 0925 | 81213   | 14  | --  | --   | --                                      | 7.8   | 94   | 7.2   | --  |
| 12... | 0845 | 81213   | 8.1   | 5.4   | 4  | 3.6                                     | 6.0   | 72   | 7.2   | 7.2   |
| JUL   |      |   |   |   |  |   |   |  |   |   |
| 25... | 0935 | 81213   | 3.7   | 1.5   | 5  | 7.4                                     | 4.9   | 62   | 7.3   | 7.5   |
| AUG   |      |   |   |   |  |   |   |  |   |   |
| 01... | 0845 | 81213   | .87   | --  | --   | --                                      | 7.1   | 86   | 7.3   | --  |
| 08... | 0830 | 81213   | 16  | --  | --   | --                                      | 6.5   | 83   | 7.3   | --  |
| 15... | 0950 | 81213   | 2.4   | 1.3   | 7  | 6.9                                     | 6.3   | 79   | 7.3   | 7.3   |
| SEP   |      |   |   |   |  |   |   |  |   |   |
| 05... | 1105 | 81213   | 47  | 1.4   | 10   | 10                                      | 7.0   | 86   | 7.4   | 7.6   |
| OCT   |      |   |   |   |  |   |   |  |   |   |
| 10... | 1005 | 81213   | 15  | .8  | 30   | 17                                      | 8.5   | 85   | 7.5   | 7.3   |
| NOV   |      |   |   |   |  |   |   |  |   |   |
| 06... | 1030 | 81213   | 10  | 2.8   | 4  | 3.3                                     | 7.2   | 78   | 7.4   | 7.4   |
| 13... | 0945 | 81213   | 45  | --  | --   | --                                      | 8.8   | 85   | 7.2   | --  |
| 27... | 1040 | 81213   | 192   | --  | --   | --                                      | 10.5  | 94   | 7.1   | --  |
| DEC   |      |   |   |   |  |   |   |  |   |   |
| 05... | 1215 | 81213   | 48  | .7  | 5  | 6.9                                     | 12.1  | 98   | 6.5   | 7.2   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02346500 POTATO CREEK NEAR THOMASTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|--------------|---|--|---|---|--|---|---|---|--|---|
| JAN<br>25... | 53  | 45   | 2.0   | 5.0   | 13   | .10   | .4  | .090  | 3.2  | 3500  |
| FEB<br>22... | 57  | 64   | 15.5  | 10.6  | 17   | .05   | .2  | .020  | 2.1  | 20  |
| 29...        | --  | 52   | 19.5  | 13.0  | --   | --  | --  | --  | --   | 50  |
| MAR<br>06... | 52  | 47   | 18.5  | 13.4  | 17   | .05   | .1  | .030  | 2.9  | 230   |
| 15...        | --  | 51   | 22.0  | 13.3  | --   | --  | --  | --  | --   | 230   |
| APR<br>17... | 52  | 46   | 23.7  | 15.8  | 18   | .06   | .2  | .020  | 2.4  | --  |
| MAY<br>15... | 58  | 58   | 19.6  | 22.5  | 20   | .09   | .2  | .030  | 2.5  | 170   |
| 23...        | --  | 55   | 25.1  | 23.3  | --   | --  | --  | --  | --   | 20  |
| JUN<br>01... | --  | 63   | 26.6  | 23.8  | --   | --  | --  | --  | --   | 80  |
| 12...        | 66  | 65   | 25.7  | 24.2  | 23   | .07   | .1  | <.020   | 2.5  | 110   |
| JUL<br>25... | 57  | 60   | 23.9  | 26.2  | 21   | .08   | .1  | .030  | 3.1  | 20  |
| AUG<br>01... | --  | 54   | 25.2  | 24.7  | --   | --  | --  | --  | --   | 230   |
| 08...        | --  | 89   | 28.3  | 27.2  | --   | --  | --  | --  | --   | 170   |
| 15...        | 78  | 76   | 29.1  | 26.7  | 25   | .05   | .1  | .030  | 5.6  | 330   |
| SEP<br>05... | 91  | 92   | 27.0  | 24.9  | 26   | .04   | .2  | .050  | 6.1  | --  |
| OCT<br>10... | 71  | 68   | 15.9  | 15.1  | 23   | .13   | .1  | .050  | 3.0  | --  |
| NOV<br>06... | 70  | 71   | 17.3  | 17.8  | 25   | .04   | <.020   | <.020   | 2.7  | 220   |
| 13...        | --  | 76   | 12.5  | 13.3  | --   | --  | --  | --  | --   | 130   |
| 27...        | --  | 69   | 14.1  | 9.8   | --   | --  | --  | --  | --   | 1100  |
| DEC<br>05... | 64  | 62   | 14.5  | 5.9   | 17   | .10   | .2  | <.020   | 2.7  | 20  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02346500 POTATO CREEK NEAR THOMASTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE | TIME  | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|------|-------|---|---|--|---|--|--|---|---|--|--|
| APR  | 17... | 81213   | 89  | 9.0  | 92  | 7.0  | 46   | 23.7  | 15.8  | 3.1  | 1.1  |
| JUL  | 25... | 81213   | 3.7   | 4.9  | 62  | 7.3  | 60   | 23.9  | 26.2  | 3.4  | 1.3  |

| DATE | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |     |
|------|---|--|--|---|--|--|--|--|---|---|--|-----|
| APR  | 17...   | <1.0   | <2.0   | <.5   | <1.0   | 3.1  | <1.0   | <.1  | <1.0  | <2.0  | <2.0   | 3.3 |
| JUL  | 25...   | <1.0   | <4.0   | <.5   | <1.0   | <2.0   | <2.0   | <.1  | <1.0  | <4.0  | <2.0   | 3.9 |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02346540 BELL CREEK NEAR LINCOLN PARK, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 32°50'17", long 84°21'32", Upson County, Hydrologic Unit 03130005, at bridge on Gordon School Road, 0.5 mile upstream from mouth, and 3.0 miles southwest of Lincoln Park.

**DRAINAGE AREA.--**3.0 mi<sup>2</sup>.

**PERIOD OF RECORD.--**April 1995 to November 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|--|---|--|---|---|---|---|---|
| JAN   |      |   |  |   |  |   |   |   |   |   |
| 25... | 1235 | 81213   | 20   | 1.4   | 9  | 19                                      | 12.0  | 96  | 7.0   | 7.1   |
| FEB   |      |   |  |   |  |   |   |   |   |   |
| 22... | 1130 | 81213   | 5.3  | .9  | 4  | 6.8                                     | 11.4  | 97  | 7.2   | 7.3   |
| 29... | 1135 | 81213   | 5.0  | --  | --   | --                                      | 11.0  | 99  | 7.1   | --  |
| MAR   |      |   |  |   |  |   |   |   |   |   |
| 06... | 1145 | 81213   | 5.9  | .6  | 2  | 7.2                                     | 9.4   | 86  | 7.3   | 7.3   |
| 15... | 1115 | 81213   | 6.2  | --  | --   | --                                      | 10.6  | 98  | 7.1   | --  |
| APR   |      |   |  |   |  |   |   |   |   |   |
| 17... | 1145 | 81213   | 4.5  | 1.2   | 3  | 5.9                                     | 9.4   | 97  | 7.2   | 7.4   |
| MAY   |      |   |  |   |  |   |   |   |   |   |
| 15... | 1005 | 81213   | 2.3  | 3.8   | 4  | 5.9                                     | 6.4   | 69  | 7.1   | 7.4   |
| 23... | 1045 | 81213   | 2.3  | --  | --   | --                                      | 7.6   | 85  | 6.5   | --  |
| JUN   |      |   |  |   |  |   |   |   |   |   |
| 01... | 0850 | 81213   | 2.1  | --  | --   | --                                      | 8.3   | 91  | 7.2   | --  |
| 12... | 0955 | 81213   | 1.6  | 2.0   | 5  | 5.5                                     | 5.5   | 62  | 7.1   | 7.2   |
| JUL   |      |   |  |   |  |   |   |   |   |   |
| 25... | 1055 | 81213   | 1.4  | 1.3   | 57   | 41                                      | 5.5   | 65  | 7.0   | 7.0   |
| AUG   |      |   |  |   |  |   |   |   |   |   |
| 01... | 0930 | 81213   | .51  | --  | --   | --                                      | 4.9   | 59  | 7.0   | --  |
| 08... | 0915 | 81213   | .43  | --  | --   | --                                      | 4.8   | 61  | 6.9   | --  |
| 15... | 1035 | 81213   | E.18   | 1.0   | 18   | 14                                      | 4.9   | 58  | 7.1   | 7.3   |
| SEP   |      |   |  |   |  |   |   |   |   |   |
| 05... | 1535 | 81213   | 2.0  | 1.2   | 28   | 31                                      | 6.9   | 82  | 7.2   | 6.9   |
| OCT   |      |   |  |   |  |   |   |   |   |   |
| 10... | 1105 | 81213   | 1.5  | .6  | 4  | 8.6                                     | 9.8   | 88  | 7.4   | 7.4   |
| NOV   |      |   |  |   |  |   |   |   |   |   |
| 06... | 1130 | 81213   | 1.7  | 1.5   | 2  | 2.7                                     | 6.3   | 66  | 7.2   | 7.5   |
| 13... | 1030 | 81213   | 2.1  | --  | --   | --                                      | 9.5   | 87  | 7.2   | --  |
| 27... | 1130 | 81213   | .00  | --  | --   | --                                      | 10.7  | 94  | 7.1   | --  |
| DEC   |      |   |  |   |  |   |   |   |   |   |
| 05... | 1345 | 81213   | 4.0  | .9  | 1  | 5.1                                     | 11.8  | 95  | 7.0   | 7.4   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02346540 BELL CREEK NEAR LINCOLN PARK, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|---|---|---|---|--|---|
| JAN   |   |  |   |   |   |   |   |   |  |   |
| 25... | 68  | 61   | 2.5   | 5.4   | 18  | .24   | .6  | .050  | 1.9  | 1300  |
| FEB   |   |  |   |   |   |   |   |   |  |   |
| 22... | 82  | 84   | 16.0  | 8.5   | 24  | .18   | .4  | .020  | 1.2  | 20  |
| 29... | --  | 77   | 20.0  | 10.6  | --  | --  | --  | --  | --   | 110   |
| MAR   |   |  |   |   |   |   |   |   |  |   |
| 06... | 76  | 69   | 19.0  | 11.1  | 24  | .17   | .3  | .020  | 1.6  | 130   |
| 15... | --  | 76   | 21.5  | 11.7  | --  | --  | --  | --  | --   | 80  |
| APR   |   |  |   |   |   |   |   |   |  |   |
| 17... | 85  | 76   | 26.4  | 15.9  | 26  | .11   | .3  | <.020   | 1.3  | --  |
| MAY   |   |  |   |   |   |   |   |   |  |   |
| 15... | 88  | 91   | 22.5  | 18.3  | 28  | .09   | .2  | <.020   | 1.7  | 130   |
| 23... | --  | 91   | 29.9  | 20.0  | --  | --  | --  | --  | --   | 170   |
| JUN   |   |  |   |   |   |   |   |   |  |   |
| 01... | --  | 91   | 23.9  | 18.9  | --  | --  | --  | --  | --   | 330   |
| 12... | 95  | 96   | 27.4  | 21.1  | 30  | .11   | .3  | .030  | 1.7  | 130   |
| JUL   |   |  |   |   |   |   |   |   |  |   |
| 25... | 64  | 65   | 24.3  | 23.0  | 16  | .08   | .3  | .160  | 3.5  | 1300  |
| AUG   |   |  |   |   |   |   |   |   |  |   |
| 01... | --  | 93   | 24.9  | 24.0  | --  | --  | --  | --  | --   | 80  |
| 08... | --  | 77   | 28.8  | 26.9  | --  | --  | --  | --  | --   | 700   |
| 15... | 97  | 98   | 30.5  | 22.9  | 31  | .12   | .2  | .060  | 2.2  | 170   |
| SEP   |   |  |   |   |   |   |   |   |  |   |
| 05... | 68  | 70   | 28.7  | 23.4  | 15  | .15   | .3  | .070  | 6.9  | --  |
| OCT   |   |  |   |   |   |   |   |   |  |   |
| 10... | 96  | 97   | 13.0  | 10.7  | 29  | .18   | .3  | <.020   | 1.9  | --  |
| NOV   |   |  |   |   |   |   |   |   |  |   |
| 06... | 98  | 99   | 18.3  | 16.5  | 32  | .06   | <.020   | .020  | 1.7  | 330   |
| 13... | --  | 91   | 16.2  | 11.0  | --  | --  | --  | --  | --   | 80  |
| 27... | --  | 93   | 15.0  | 9.4   | --  | --  | --  | --  | --   | 230   |
| DEC   |   |  |   |   |   |   |   |   |  |   |
| 05... | 101   | 101  | 14.5  | 5.6   | 25  | .28   | .4  | <.020   | 2.5  | 140   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02346540 BELL CREEK NEAR LINCOLN PARK, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD)<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)     | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                    | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |  |
|--------------|------|---|---|---|---|---|--|--|--|--|--|--|
| DATE         |      | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097)             | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002)                        | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027)                  | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042)    | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147)              | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059)                      | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
| APR<br>17... | 1145 | 81213   | 4.5   | 9.4   | 97  | 7.2   | 76   | 26.4   | 15.9   | 4.6  | 1.1  |  |
| JUL<br>25... | 1055 | 81213   | 1.4   | 5.5   | 65  | 7.0   | 65   | 24.3   | 23.0   | 3.9  | 1  |  |
| APR<br>17... | <1.0 | <2.0  | <.5   | <1.0  | <1.0  | <1.0  | <.1  | <1.0   | <2.0   | <2.0   | 3.9  |  |
| JUL<br>25... | <1.0 | <4.0  | <.5   | 1.9   | 6.0   | 5.2   | <.1  | <1.0   | <4.0   | 2.5  | 39   |  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02347242 SWIFT CREEK AT US HIGHWAY 19, NEAR THOMASTON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°47'28", long 84°15'56", Upson County, Hydrologic Unit 03130005, at bridge on US Highway 19, 0.4 mile upstream from Martin Creek, 58 feet downstream from Tobler Creek, and 6.2 miles southeast of Thomaston.

**DRAINAGE AREA.**--94.0 mi<sup>2</sup>.

**PERIOD OF RECORD.**--April 1958; January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|--|---|--|--|
| JAN   |      |   |   |   |   |   |  |   |  |  |
| 26... | 0915 | 81213   | 60  | .8  | 15  | 27                                      | 13.3   | 98  | 6.8  | 6.9  |
| FEB   |      |   |   |   |   |   |  |   |  |  |
| 24... | 0955 | 81213   | 34  | .4  | 3   | 4.5                                     | 10.9   | 97  | 7.0  | 7.3  |
| MAR   |      |   |   |   |   |   |  |   |  |  |
| 02... | 1000 | 81213   | 33  | --  | --  | --                                      | 10.8   | 97  | 7.3  | --   |
| 08... | 1245 | 81213   | 34  | .6  | 4   | 5.6                                     | 9.9  | 96  | 7.6  | 7.2  |
| 15... | 0830 | 81213   | 44  | --  | --  | --                                      | 10.7   | 95  | 7.2  | --   |
| APR   |      |   |   |   |   |   |  |   |  |  |
| 19... | 1025 | 81213   | 33  | .8  | <1  | 4.6                                     | 9.4  | 96  | 7.5  | 7.4  |
| MAY   |      |   |   |   |   |   |  |   |  |  |
| 17... | 1105 | 81213   | 19  | .9  | 4   | 3.6                                     | 8.8  | 99  | 7.4  | 7.4  |
| 25... | 0830 | 81213   | 17  | --  | --  | --                                      | 8.1  | 96  | 7.3  | --   |
| 31... | 1050 | 81213   | 8.4   | --  | --  | --                                      | 8.9  | 102   | 7.5  | --   |
| JUN   |      |   |   |   |   |   |  |   |  |  |
| 14... | 1000 | 81213   | 7.3   | 1.8   | 4   | 2.4                                     | 8.8  | 103   | 7.7  | 7.3  |
| JUL   |      |   |   |   |   |   |  |   |  |  |
| 27... | 0915 | 81213   | 6.3   | .8  | 1   | 2.9                                     | 8.0  | 92  | 7.5  | 7.5  |
| AUG   |      |   |   |   |   |   |  |   |  |  |
| 03... | 0930 | 81213   | 8.4   | --  | --  | --                                      | 8.0  | 95  | 7.4  | --   |
| 10... | 1030 | 81213   | 5.8   | --  | --  | --                                      | 7.3  | 88  | 7.3  | --   |
| 17... | 1010 | 81213   | .23   | 1.2   | 6   | 3.6                                     | 7.8  | 95  | 7.5  | 7.6  |
| SEP   |      |   |   |   |   |   |  |   |  |  |
| 07... | 1225 | 81213   | 35  | .6  | 6   | 12                                      | 8.4  | 92  | 7.4  | 7.3  |
| OCT   |      |   |   |   |   |   |  |   |  |  |
| 12... | 1155 | 81213   | 20  | .6  | 4   | 6.9                                     | 10.3   | 96  | 8.1  | 8.2  |
| NOV   |      |   |   |   |   |   |  |   |  |  |
| 08... | 1245 | 81213   | 18  | .7  | 1   | 2.4                                     | 8.3  | 90  | 7.7  | 7.5  |
| 15... | 1230 | 81213   | 21  | --  | --  | --                                      | 10.2   | 91  | 7.7  | --   |
| 29... | 1200 | 81213   | 39  | --  | --  | --                                      | 11.1   | 96  | 7.3  | --   |
| DEC   |      |   |   |   |   |   |  |   |  |  |
| 07... | 1530 | 81213   | 29  | .5  | 3   | 6.4                                     | 11.9   | 99  | 7.0  | 7.2  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02347242 SWIFT CREEK AT US HIGHWAY 19, NEAR THOMASTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|---|---|---|---|--|---|
| JAN   |   |   |   |   |   |   |   |   |  |   |
| 26... | 44  | 38  | -1.5  | 2.6   | 11  | .08   | .4  | .040  | 2.2  | 330   |
| FEB   |   |   |   |   |   |   |   |   |  |   |
| 24... | 49  | 46  | 17.0  | 10.4  | 18  | .05   | .1  | <.020   | 1.1  | 80  |
| MAR   |   |   |   |   |   |   |   |   |  |   |
| 02... | --  | 46  | 16.0  | 10.7  | --  | --  | --  | --  | --   | 40  |
| 08... | 46  | 41  | 24.0  | 14.2  | 18  | .02   | .1  | <.020   | 1.2  | 140   |
| 15... | --  | 44  | 12.0  | 10.2  | --  | --  | --  | --  | --   | 230   |
| APR   |   |   |   |   |   |   |   |   |  |   |
| 19... | 49  | 44  | 20.4  | 16.3  | 19  | .03   | .1  | <.020   | 1.1  | --  |
| MAY   |   |   |   |   |   |   |   |   |  |   |
| 17... | 52  | 53  | 22.0  | 21.2  | 20  | .05   | .2  | <.020   | 1.2  | 130   |
| 25... | --  | 51  | 27.9  | 23.0  | --  | --  | --  | --  | --   | 230   |
| 31... | --  | 54  | 27.2  | 21.6  | --  | --  | --  | --  | --   | <20   |
| JUN   |   |   |   |   |   |   |   |   |  |   |
| 14... | 58  | 58  | 25.6  | 23.0  | 24  | .04   | .1  | <.020   | 1.1  | 110   |
| JUL   |   |   |   |   |   |   |   |   |  |   |
| 27... | 64  | 67  | 26.4  | 22.3  | 25  | .01   | .1  | <.020   | 1.1  | 490   |
| AUG   |   |   |   |   |   |   |   |   |  |   |
| 03... | --  | 58  | 24.2  | 24.0  | --  | --  | --  | --  | --   | 1700  |
| 10... | --  | 59  | 27.7  | 24.0  | --  | --  | --  | --  | --   | 330   |
| 17... | 78  | 79  | 34.7  | 24.8  | 30  | .02   | <.020   | <.020   | 1.0  | 80  |
| SEP   |   |   |   |   |   |   |   |   |  |   |
| 07... | 66  | 66  | 20.4  | 19.9  | 22  | .03   | .2  | .040  | 2.8  | --  |
| OCT   |   |   |   |   |   |   |   |   |  |   |
| 12... | 306   | 312   | 24.5  | 12.2  | 131   | .03   | .1  | .030  | 3.1  | --  |
| NOV   |   |   |   |   |   |   |   |   |  |   |
| 08... | 94  | 96  | 22.6  | 19.0  | 39  | .01   | <.020   | <.020   | 2.9  | 110   |
| 15... | --  | 80  | 15.0  | 10.0  | --  | --  | --  | --  | --   | 1100  |
| 29... | --  | 61  | 19.1  | 8.7   | --  | --  | --  | --  | --   | 20  |
| DEC   |   |   |   |   |   |   |   |   |  |   |
| 07... | 58  | 56  | 16.5  | 6.9   | 17  | .05   | .1  | <.020   | 1.6  | 20  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02347242 SWIFT CREEK AT US HIGHWAY 19, NEAR THOMASTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| APR<br>19... | 1025 | 81213   | 33  | 9.4   | 96  | 7.5  | 44   | 20.4  | 16.3  | 2.6  | 1.0  |
| JUL<br>27... | 0915 | 81213   | 6.3   | 8.0   | 92  | 7.5  | 67   | 26.4  | 22.3  | 3.9  | 1.5  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| APR<br>19... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | <1.0   |
| JUL<br>27... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02347500 FLINT RIVER NEAR CULLODEN, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 32°43'17", long 84°13'57", Taylor-Upson County line, Hydrologic Unit 03130005, at bridge on US Highway 19, 4.0 miles upstream from Auchumpkee Creek, 5.0 miles downstream from Swift Creek, 13.0 miles southwest of Culloden, and at mile 238.4.

**DRAINAGE AREA.--**1,850 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**March 1968 to June 1979, July 1990 to November 1995, January 2000 to December 2000 (discontinued).

**PERIOD OF DAILY WATER-QUALITY RECORD.--**

**SPECIFIC CONDUCTANCE:** October 1961 to September 1962.

**WATER TEMPERATURE:** June 1960 to September 1964.

**EXTREMES FOR PERIOD OF DAILY WATER-QUALITY RECORD.--**

**SPECIFIC CONDUCTANCE:** Maximum daily, 138 $\mu$ S Aug. 14, 1962; minimum daily, 25 $\mu$ S Feb. 22, 1962.

**WATER TEMPERATURE:** Maximum, 34.0°C May 18, 19, 23, 1962; minimum, 0.0°C Jan. 10, 1962.

**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.

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02347500 FLINT RIVER NEAR CULLODEN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|--|---|---|--|---|---|---|--|--|
| JAN   |      |  |   |   |  |   |   |   |  |  |
| 26... | 1055 | 81213  | 3300  | 1.0   | 27   | 34                                      | 12.9  | 98  | 7.2  | 7.0  |
| FEB   |      |  |   |   |  |   |   |   |  |  |
| 24... | 1055 | 81213  | 840   | .6  | 7  | 8.4                                     | 10.4  | 97  | 7.3  | 7.5  |
| MAR   |      |  |   |   |  |   |   |   |  |  |
| 02... | 0905 | 81213  | 990   | --  | --   | --                                      | 9.7   | 92  | 7.2  | --   |
| 08... | 1010 | 81213  | 964   | .9  | 6  | 8.3                                     | 9.4   | 92  | 7.2  | 7.5  |
| 14... | 1435 | 81213  | 1460  | --  | --   | --                                      | 10.0  | 99  | 7.3  | --   |
| APR   |      |  |   |   |  |   |   |   |  |  |
| 19... | 0835 | 81213  | 945   | .8  | <1   | 5.3                                     | 8.0   | 84  | 7.3  | 7.6  |
| MAY   |      |  |   |   |  |   |   |   |  |  |
| 17... | 1010 | 81213  | 287   | 1.0   | 3  | 1.6                                     | 7.1   | 84  | 7.6  | 7.8  |
| 25... | 0905 | 81213  | 276   | --  | --   | --                                      | 6.4   | 81  | 7.6  | --   |
| 31... | 1130 | 81213  | 272   | --  | --   | --                                      | 8.8   | 107   | 7.8  | --   |
| JUN   |      |  |   |   |  |   |   |   |  |  |
| 14... | 0900 | 81213  | 122   | 3.3   | 2  | 1.4                                     | 5.6   | 70  | 7.5  | 7.7  |
| JUL   |      |  |   |   |  |   |   |   |  |  |
| 27... | 0825 | 81213  | 107   | 1.2   | 9  | 7.6                                     | 8.6   | 107   | 7.7  | 8.0  |
| AUG   |      |  |   |   |  |   |   |   |  |  |
| 03... | 0730 | 81213  | 241   | --  | --   | --                                      | 5.5   | 68  | 7.3  | --   |
| 10... | 0845 | 81213  | 160   | --  | --   | --                                      | 5.6   | 71  | 7.3  | --   |
| 17... | 0900 | 81213  | 66  | 1.2   | 3  | 2.7                                     | 4.8   | 61  | 7.8  | 7.8  |
| SEP   |      |  |   |   |  |   |   |   |  |  |
| 07... | 0950 | 81213  | 840   | .7  | 14   | 20                                      | 7.6   | 86  | 7.1  | 7.3  |
| OCT   |      |  |   |   |  |   |   |   |  |  |
| 12... | 0945 | 81213  | 244   | .4  | 3  | 2.3                                     | 9.0   | 86  | 7.8  | 7.7  |
| NOV   |      |  |   |   |  |   |   |   |  |  |
| 08... | 1015 | 81213  | --  | .8  | 4  | 3.3                                     | 6.7   | 72  | 7.8  | 7.7  |
| 15... | 1100 | 81213  | 370   | --  | --   | --                                      | 9.8   | 89  | 7.5  | --   |
| 29... | 1030 | 81213  | 1600  | --  | --   | --                                      | 10.9  | 93  | 6.9  | --   |
| DEC   |      |  |   |   |  |   |   |   |  |  |
| 07... | 1400 | 81213  | 920   | .6  | 4  | 6.6                                     | 11.7  | 96  | 7.2  | 7.3  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02347500 FLINT RIVER NEAR CULLODEN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|---|---|---|---|--|---|
| JAN   |   |  |   |   |   |   |   |   |  |   |
| 26... | 64  | 57   | - .5  | 3.8   | 15  | .09   | .3  | .060  | 2.8  | 1100  |
| FEB   |   |  |   |   |   |   |   |   |  |   |
| 24... | 73  | 71   | 17.0  | 12.3  | 24  | .04   | .2  | .030  | 2.7  | 50  |
| MAR   |   |  |   |   |   |   |   |   |  |   |
| 02... | --  | 72   | 13.5  | 13.0  | --  | --  | --  | --  | --   | 110   |
| 08... | 74  | 65   | 19.0  | 14.6  | 25  | .07   | .2  | .020  | 2.7  | 80  |
| 14... | --  | 62   | 23.5  | 14.7  | --  | --  | --  | --  | --   | 700   |
| APR   |   |  |   |   |   |   |   |   |  |   |
| 19... | 73  | 65   | 14.7  | 17.3  | 26  | .03   | .2  | <.020   | 2.4  | --  |
| MAY   |   |  |   |   |   |   |   |   |  |   |
| 17... | 112   | 113  | 26.0  | 23.5  | 41  | .05   | .1  | .020  | 2.7  | 20  |
| 25... | --  | 117  | 28.9  | 26.8  | --  | --  | --  | --  | --   | 170   |
| 31... | --  | 133  | 28.7  | 25.0  | --  | --  | --  | --  | --   | 20  |
| JUN   |   |  |   |   |   |   |   |   |  |   |
| 14... | 194   | 196  | 30.2  | 26.5  | 71  | .06   | .04   | .030  | 2.7  | 20  |
| JUL   |   |  |   |   |   |   |   |   |  |   |
| 27... | 234   | 241  | 26.8  | 26.0  | 91  | .04   | .1  | .050  | 3.1  | 20  |
| AUG   |   |  |   |   |   |   |   |   |  |   |
| 03... | --  | 110  | 23.6  | 26.7  | --  | --  | --  | --  | --   | 80  |
| 10... | --  | 138  | 25.8  | 27.4  | --  | --  | --  | --  | --   | 50  |
| 17... | 213   | 217  | 30.4  | 27.4  | 59  | .02   | <.020   | .020  | 2.9  | 80  |
| SEP   |   |  |   |   |   |   |   |   |  |   |
| 07... | 98  | 101  | 20.1  | 21.3  | 21  | .06   | .3  | .050  | 4.1  | --  |
| OCT   |   |  |   |   |   |   |   |   |  |   |
| 12... | 145   | 146  | 14.1  | 13.5  | 46  | .04   | .1  | .030  | 2.7  | --  |
| NOV   |   |  |   |   |   |   |   |   |  |   |
| 08... | 198   | 205  | 20.5  | 18.7  | 66  | .12   | .2  | .040  | 3.0  | 40  |
| 15... | --  | 140  | 11.2  | 11.4  | --  | --  | --  | --  | --   | 80  |
| 29... | --  | 76   | 9.8   | 8.9   | --  | --  | --  | --  | --   | 70  |
| DEC   |   |  |   |   |   |   |   |   |  |   |
| 07... | 84  | 80   | 15.5  | 6.7   | 20  | .04   | .2  | <.020   | 2.9  | 20  |

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300)            | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION<br>(00301)           | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)     | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                    | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916)        | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |  |
|-------|------|---|---|--|---|--|--|--|--|---|--|--|
| APR   |      |   |   |  |   |  |  |  |  |   |  |  |
| 19... | 0835 | 81213   | 945   | 8.0  | 84  | 7.3  | 65   | 14.7   | 17.3   | 3.6   | 1.4  |  |
| JUL   |      |   |   |  |   |  |  |  |  |   |  |  |
| 27... | 0825 | 81213   | 107   | 8.6  | 107   | 7.7  | 241  | 26.8   | 26.0   | 3.4   | 2.3  |  |
|       |      |   |   |  |   |  |  |  |  |   |  |  |
| DATE  |      | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097)             | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002)                        | CADMIUM<br>WATER<br>TOTAL<br>UNFLTRD<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042)   | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059)  | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
| APR   |      |   |   |  |   |  |  |  |  |   |  |  |
| 19... | <1.0 | <2.0  | <.5   | <1.0   | <1.0  | <1.0   | <.1  | <1.0   | <2.0   | <2.0  | <2.0   | 1.0  |
| JUL   |      |   |   |  |   |  |  |  |  |   |  |  |
| 27... | <1.0 | <4.0  | <.5   | <1.0   | <2.0  | <2.0   | <.1  | <1.0   | <4.0   | <2.0  | <2.0   | 3.0  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02347920 ULCOHATCHEE CREEK AT CHARLIE REEVES ROAD,  
NEAR ROBERTA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°42'33", long 84°11'16", Crawford County, Hydrologic Unit 03130005, at bridge on Charlie Reeves Road , 0.9 mile upstream from confluence with Auchumpkee Creek, and 13.4 miles west of Roberta.

**DRAINAGE AREA.**--50.0 mi<sup>2</sup>.

**PERIOD OF RECORD.**--January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>UNITS)<br>(00403) |     |
|-------|------|---|--|---|--|---|---|---|---|-----|
| JAN   |      |   |  |   |  |   |   |   |   |     |
| 26... | 1230 | 81213   | 92   | 1.2   | 26   | 53                                      | 12.1  | 92  | 7.1   | 6.9 |
| FEB   |      |   |  |   |  |   |   |   |   |     |
| 24... | 1220 | 81213   | 12   | .6  | 3  | 4.3                                     | 10.6  | 100   | 7.6   | 7.7 |
| MAR   |      |   |  |   |  |   |   |   |   |     |
| 02... | 1220 | 81213   | 11   | --  | --   | --                                      | 10.3  | 99  | 7.6   | --  |
| 08... | 1150 | 81213   | 16   | .7  | 4  | 8.3                                     | 9.8   | 93  | 7.7   | 7.7 |
| 15... | 0745 | 81213   | 27   | --  | --   | --                                      | 10.1  | 90  | 7.3   | --  |
| APR   |      |   |  |   |  |   |   |   |   |     |
| 19... | 0930 | 81213   | 8.7  | .7  | <1   | 3.1                                     | 8.6   | 87  | 7.7   | 7.8 |
| MAY   |      |   |  |   |  |   |   |   |   |     |
| 17... | 1210 | 81213   | 2.0  | .6  | <1   | 2.2                                     | 8.2   | 92  | 7.6   | 7.8 |
| 25... | 0955 | 81213   | 1.3  | --  | --   | --                                      | 6.5   | 78  | 7.6   | --  |
| JUN   |      |   |  |   |  |   |   |   |   |     |
| 01... | 0740 | 81213   | .12  | --  | --   | --                                      | 7.5   | 81  | 7.5   | --  |
| 14... | 1055 | 81213   | .24  | 3.2   | 9  | 3.6                                     | 5.4   | 66  | 7.5   | 7.6 |
| JUL   |      |   |  |   |  |   |   |   |   |     |
| 27... | 1000 | 81213   | .22  | 1.0   | 1  | 2.1                                     | 5.6   | 66  | 7.5   | 7.7 |
| AUG   |      |   |  |   |  |   |   |   |   |     |
| 03... | 0845 | 81213   | .55  | --  | --   | --                                      | 5.2   | 61  | 7.3   | --  |
| 10... | 0940 | 81213   | .27  | --  | --   | --                                      | 4.2   | 51  | 7.3   | --  |
| 17... | 0810 | 81213   | E.09   | .8  | 2  | 2.0                                     | 4.3   | 50  | 7.3   | 7.6 |
| SEP   |      |   |  |   |  |   |   |   |   |     |
| 07... | 1105 | 81213   | 33   | .6  | 9  | 24                                      | 8.0   | 87  | 7.3   | 7.1 |
| OCT   |      |   |  |   |  |   |   |   |   |     |
| 12... | 1055 | 81213   | .78  | .7  | 22   | 10                                      | 8.8   | 79  | 7.5   | 7.7 |
| NOV   |      |   |  |   |  |   |   |   |   |     |
| 08... | 1135 | 81213   | .78  | 1.7   | <1   | 1.5                                     | 4.2   | 44  | 7.4   | 7.4 |
| 15... | 1145 | 81213   | 1.9  | --  | --   | --                                      | 9.1   | 78  | 7.5   | --  |
| 29... | 1115 | 81213   | 14   | --  | --   | --                                      | 10.8  | 91  | 7.1   | --  |
| DEC   |      |   |  |   |  |   |   |   |   |     |
| 07... | 1230 | 81213   | 4.6  | .7  | 2  | 5.4                                     | 12.6  | 99  | 7.3   | 7.3 |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02347920 ULCOHATCHEE CREEK AT CHARLIE REEVES ROAD,  
NEAR ROBERTA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | SPE-<br>CIFIC<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|--------------|---|---|---|---|---|---|---|---|--|---|
| JAN<br>26... | 69  | 66  | 3.0   | 3.9   | 17  | .08   | .1  | .060  | 6.3  | 330   |
| FEB<br>24... | 117   | 113   | 21.5  | 12.9  | 42  | .04   | <.020   | <.020   | 3.0  | 20  |
| MAR<br>02... | --  | 124   | 20.5  | 13.4  | --  | --  | --  | --  | --   | 70  |
| 08...        | 115   | 104   | 22.5  | 13.4  | 43  | .02   | <.020   | <.020   | 2.5  | 70  |
| 15...        | --  | 103   | 8.0   | 10.6  | --  | --  | --  | --  | --   | 50  |
| APR<br>19... | 128   | 115   | 19.5  | 15.5  | 52  | .02   | <.020   | <.020   | 2.8  | --  |
| MAY<br>17... | 142   | 144   | 23.1  | 20.5  | 64  | .05   | .1  | <.020   | 2.5  | 220   |
| 25...        | --  | 142   | 29.7  | 23.9  | --  | --  | --  | --  | --   | 490   |
| JUN<br>01... | --  | 149   | 17.7  | 18.9  | --  | --  | --  | --  | --   | 310   |
| 14...        | 153   | 156   | 31.6  | 24.5  | 70  | .07   | .1  | <.020   | 2.1  | 50  |
| JUL<br>27... | 139   | 144   | 29.5  | 23.3  | 67  | .04   | .02   | <.020   | 2.0  | 50  |
| AUG<br>03... | --  | 130   | 24.1  | 23.4  | --  | --  | --  | --  | --   | 130   |
| 10...        | --  | 144   | 27.2  | 24.5  | --  | --  | --  | --  | --   | 330   |
| 17...        | 141   | 145   | 22.9  | 22.8  | 68  | .06   | .02   | <.020   | 1.9  | 40  |
| SEP<br>07... | 87  | 90  | 20.0  | 19.8  | 20  | .03   | .1  | .040  | 10   | --  |
| OCT<br>12... | 128   | 131   | 22.7  | 10.7  | 51  | .04   | .02   | .030  | 2.8  | --  |
| NOV<br>08... | 161   | 166   | 21.6  | 18.0  | 74  | .04   | <.020   | <.020   | 5.5  | 110   |
| 15...        | --  | 140   | 12.4  | 8.9   | --  | --  | --  | --  | --   | 20  |
| 29...        | --  | 114   | 14.8  | 8.2   | --  | --  | --  | --  | --   | 170   |
| DEC<br>07... | 127   | 125   | 12.5  | 5.0   | 33  | .05   | .04   | <.020   | 2.6  | 70  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02347920 ULCOHATCHEE CREEK AT CHARLIE REEVES ROAD,  
NEAR ROBERTA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE | TIME  | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS MG)<br>(00927) |
|------|-------|---|---|---|---|--|--|---|---|---|---|
| APR  | 19... | 81213   | 8.7   | 8.6   | 87  | 7.7  | 115  | 19.5  | 15.5  | 9.4   | 4.3   |
| JUL  | 27... | 81213   | .22   | 5.6   | 66  | 7.5  | 144  | 29.5  | 23.3  | 12  | 5.3   |

| DATE | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |      |
|------|---|--|--|---|--|--|--|--|---|---|--|------|
| APR  | 19...   | <1.0   | <2.0   | <.5   | <1.0   | <1.0   | <1.0   | <.1  | <1.0  | <2.0  | <2.0   | <1.0 |
| JUL  | 27...   | <1.0   | <4.0   | <.5   | <1.0   | <2.0   | <2.0   | <.1  | <1.0  | <4.0  | <2.0   | <2.0 |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02348295 PATSILIGA CREEK AT TAYLOR COUNTY ROAD 128,  
NEAR REYNOLDS, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°35'30", long 84°07'30", Taylor County, Hydrologic Unit 03130005, at bridge on County Road 128, 3.5 miles downstream from Beaver Creek, 0.4 mile downstream from Minors Millpond, and 3.0 miles northwest of Reynolds.

**DRAINAGE AREA.**--139 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>(PER-<br>CENT<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|---|---|---|
| FEB   |      |   |   |   |   |   |   |   |   |   |
| 24... | 0810 | 81213   | 71  | .6  | 7   | 4.0                                     | 9.9   | 90  | 6.4   | 6.4   |
| MAR   |      |   |   |   |   |   |   |   |   |   |
| 02... | 0800 | 81213   | 69  | --  | --  | --                                      | 9.2   | 88  | 6.3   | --  |
| 08... | 0930 | 81213   | 93  | 1.1   | 8   | 7.1                                     | 8.8   | 85  | 5.7   | 6.4   |
| 14... | 1335 | 81213   | 206   | --  | --  | --                                      | 10.2  | 96  | 6.4   | --  |
| APR   |      |   |   |   |   |   |   |   |   |   |
| 19... | 0720 | 81213   | 73  | 1.0   | 13  | 7.5                                     | 8.0   | 84  | 6.9   | 6.3   |
| MAY   |      |   |   |   |   |   |   |   |   |   |
| 17... | 0850 | 81213   | 19  | .9  | 6   | 4.2                                     | 8.1   | 88  | 6.5   | 6.5   |
| 25... | 0615 | 81213   | 17  | --  | --  | --                                      | 6.7   | 80  | 6.4   | --  |
| 31... | 1500 | 81213   | 16  | --  | --  | --                                      | 9.4   | 111   | 6.6   | --  |
| JUN   |      |   |   |   |   |   |   |   |   |   |
| 14... | 0720 | 81213   | 11  | 1.4   | 6   | 5.0                                     | 6.2   | 74  | 7.1   | 6.8   |
| JUL   |      |   |   |   |   |   |   |   |   |   |
| 27... | 0710 | 81213   | 15  | 1.1   | 6   | 5.2                                     | 7.0   | 82  | 6.4   | 6.7   |
| AUG   |      |   |   |   |   |   |   |   |   |   |
| 03... | 0630 | 81213   | 18  | --  | --  | --                                      | 6.9   | 81  | 6.4   | --  |
| 10... | 0745 | 81213   | 14  | --  | --  | --                                      | 6.8   | 81  | 6.4   | --  |
| 17... | 0700 | 81213   | 11  | 1.2   | 15  | 5.6                                     | 7.2   | 86  | 6.3   | 6.4   |
| SEP   |      |   |   |   |   |   |   |   |   |   |
| 07... | 0805 | 81213   | 153   | 1.2   | 20  | 12                                      | 7.0   | 79  | 6.4   | 6.3   |
| OCT   |      |   |   |   |   |   |   |   |   |   |
| 12... | 0820 | 81213   | 32  | .6  | 5   | 3.5                                     | 9.2   | 86  | 6.6   | 6.7   |
| NOV   |      |   |   |   |   |   |   |   |   |   |
| 08... | 0900 | 81213   | 36  | 1.1   | 10  | 3.6                                     | 7.8   | 83  | 6.7   | 6.4   |
| 15... | 1000 | 81213   | 69  | --  | --  | --                                      | 9.6   | 87  | 6.4   | --  |
| 29... | 0930 | 81213   | 92  | --  | --  | --                                      | 9.9   | 87  | 6.2   | --  |
| DEC   |      |   |   |   |   |   |   |   |   |   |
| 07... | 0930 | 81213   | 53  | --  | 2   | 2.4                                     | 10.7  | 87  | 5.8   | 6.2   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02348295 PATSILIGA CREEK AT TAYLOR COUNTY ROAD 128,  
NEAR REYNOLDS, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|---|--|--|---|--|---|
| FEB   |   |  |   |   |   |  |  |   |  |   |
| 24... | 26  | 24   | 12.0  | 11.6  | 8   | .06  | .1   | <.020   | 3.3  | 50  |
| MAR   |   |  |   |   |   |  |  |   |  |   |
| 02... | --  | 23   | 9.5   | 13.1  | --  | --   | --   | --  | --   | 50  |
| 08... | 24  | 22   | 12.7  | 14.0  | 8   | .09  | .1   | .030  | 3.3  | 20  |
| 14... | --  | 23   | 20.5  | 12.9  | --  | --   | --   | --  | --   | 50  |
| APR   |   |  |   |   |   |  |  |   |  |   |
| 19... | 24  | 22   | 9.2   | 17.1  | 7   | .04  | .1   | <.020   | 3.6  | --  |
| MAY   |   |  |   |   |   |  |  |   |  |   |
| 17... | 22  | 22   | 22.9  | 19.2  | 7   | .07  | .2   | <.020   | 2.8  | 110   |
| 25... | --  | 20   | 25.4  | 24.0  | --  | --   | --   | --  | --   | 50  |
| 31... | --  | 19   | 29.7  | 23.0  | --  | --   | --   | --  | --   | 20  |
| JUN   |   |  |   |   |   |  |  |   |  |   |
| 14... | 18  | 20   | 27.0  | 24.0  | 6   | .09  | .2   | .020  | 2.4  | 70  |
| JUL   |   |  |   |   |   |  |  |   |  |   |
| 27... | 18  | 20   | 20.2  | 23.0  | 6   | .07  | .1   | .020  | 2.7  | 80  |
| AUG   |   |  |   |   |   |  |  |   |  |   |
| 03... | --  | 19   | 22.2  | 23.5  | --  | --   | --   | --  | --   | 490   |
| 10... | --  | 22   | 22.6  | 24.4  | --  | --   | --   | --  | --   | 1300  |
| 17... | 17  | 16   | 19.2  | 24.1  | 6   | .04  | .1   | .020  | 2.0  | 170   |
| SEP   |   |  |   |   |   |  |  |   |  |   |
| 07... | 28  | 30   | 20.0  | 21.1  | 6   | .05  | .1   | .040  | 6.6  | --  |
| OCT   |   |  |   |   |   |  |  |   |  |   |
| 12... | 26  | 27   | 6.1   | 12.7  | 6   | .05  | .2   | .020  | 3.5  | --  |
| NOV   |   |  |   |   |   |  |  |   |  |   |
| 08... | 26  | 27   | 20.4  | 17.9  | 8   | .10  | .1   | .030  | 4.3  | 490   |
| 15... | --  | 25   | 8.4   | 11.0  | --  | --   | --   | --  | --   | 330   |
| 29... | --  | 29   | 7.5   | 9.7   | --  | --   | --   | --  | --   | 20  |
| DEC   |   |  |   |   |   |  |  |   |  |   |
| 07... | 28  | 26   | 7.0   | 6.5   | 5   | .03  | .1   | <.020   | 2.9  | 110   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02348295 PATSILIGA CREEK AT TAYLOR COUNTY ROAD 128,  
NEAR REYNOLDS, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>PH<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS MG)<br>(00927) |    |
|--------------|------|---|---|---|--|--|---|---|---|---|----|
| APR<br>19... | 0720 | 81213   | 73  | 8.0   | 84   | 6.9  | 22  | 9.2   | 17.1  | 1.1   | .6 |
| JUL<br>27... | 0710 | 81213   | 15  | 7.0   | 82   | 6.4  | 20  | 20.2  | 23.0  | .9  | .4 |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| APR<br>19... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 1.6  |
| JUL<br>27... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 3.7  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02348405 HORSE CREEK AT MACON COUNTY ROAD 164,  
NEAR MONTEZUMA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°27'18", long 84°02'46", Macon County, Hydrologic Unit 03130005, at bridge on County Road 164, 2.6 miles upstream from confluence with the Flint River, and 12.4 miles northwest of Montezuma.

**DRAINAGE AREA.**--37.0 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION<br>(PER-<br>FIELD<br>UNITS)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|---|---|---|---|
| JAN   |      |   |   |   |  |   |   |   |   |   |
| 27... | 1055 | 81213   | 39  | --  | 3  | 3.1                                     | 11.4  | 91  | 6.0   | 6.2   |
| FEB   |      |   |   |   |  |   |   |   |   |   |
| 23... | 1310 | 81213   | 27  | 1.2   | <1   | 3.2                                     | 10.4  | 98  | 6.5   | 6.3   |
| MAR   |      |   |   |   |  |   |   |   |   |   |
| 01... | 1215 | 81213   | 27  | --  | --   | --                                      | 9.4   | 93  | 6.1   | --  |
| 07... | 0925 | 81213   | 31  | .7  | 3  | 3.3                                     | 7.9   | 78  | 6.7   | 6.3   |
| 14... | 1100 | 81213   | 32  | --  | --   | --                                      | 9.9   | 94  | 6.1   | --  |
| APR   |      |   |   |   |  |   |   |   |   |   |
| 18... | 0830 | 81213   | 30  | 1.2   | 5  | 3.7                                     | 8.9   | 94  | 6.1   | 6.5   |
| MAY   |      |   |   |   |  |   |   |   |   |   |
| 16... | 0715 | 81213   | 20  | 1.9   | 5  | 4.4                                     | 8.2   | 90  | 6.3   | 6.4   |
| 24... | 0920 | 81213   | 23  | --  | --   | --                                      | 7.9   | 93  | 6.4   | --  |
| 31... | 1350 | 81213   | 13  | --  | --   | --                                      | 9.3   | 109   | 6.4   | --  |
| JUN   |      |   |   |   |  |   |   |   |   |   |
| 13... | 0700 | 81213   | 16  | 1.1   | 8  | 9.2                                     | 7.8   | 91  | 6.1   | 6.5   |
| JUL   |      |   |   |   |  |   |   |   |   |   |
| 26... | 0750 | 81213   | 21  | 1.0   | 8  | 3.6                                     | 8.1   | 95  | 6.5   | 6.5   |
| AUG   |      |   |   |   |  |   |   |   |   |   |
| 02... | 0715 | 81213   | 14  | --  | --   | --                                      | 7.6   | 90  | 6.5   | --  |
| 09... | 0630 | 81213   | 17  | --  | --   | --                                      | 7.2   | 87  | 6.6   | --  |
| 16... | 1130 | 81213   | 14  | 1.2   | 6  | 4.1                                     | 8.4   | 99  | 6.6   | 6.5   |
| SEP   |      |   |   |   |  |   |   |   |   |   |
| 06... | 0850 | 81213   | 37  | 1.5   | 21   | 37                                      | 7.6   | 87  | 6.7   | 6.4   |
| OCT   |      |   |   |   |  |   |   |   |   |   |
| 11... | 0915 | 81213   | 22  | .7  | 4  | 3.3                                     | 9.4   | 90  | 6.6   | 6.4   |
| NOV   |      |   |   |   |  |   |   |   |   |   |
| 14... | 0945 | 81213   | 29  | --  | --   | --                                      | 8.9   | 90  | 6.7   | --  |
| 16... | 0930 | 81213   | 24  | .7  | 4  | 3.1                                     | 9.7   | 91  | 6.9   | 6.6   |
| 28... | 1015 | 81213   | 25  | --  | --   | --                                      | 10.4  | 93  | 6.6   | --  |
| DEC   |      |   |   |   |  |   |   |   |   |   |
| 06... | 1030 | 81213   | 23  | .8  | 3  | 2.2                                     | 10.7  | 93  | 5.8   | 6.2   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02348405 HORSE CREEK AT MACON COUNTY ROAD 164,  
NEAR MONTEZUMA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|---|---|---|---|--|---|
| JAN   |   |   |   |   |   |   |   |   |  |   |
| 27... | 23  | 19  | .5  | 6.1   | 6   | .07   | .6  | <.020   | 2.1  | --  |
| FEB   |   |   |   |   |   |   |   |   |  |   |
| 23... | 23  | 20  | 21.5  | 13.3  | 6   | .04   | .7  | <.020   | 1.9  | <20   |
| MAR   |   |   |   |   |   |   |   |   |  |   |
| 01... | --  | 20  | 21.5  | 14.9  | --  | --  | --  | --  | --   | 80  |
| 07... | 23  | 20  | 13.0  | 14.6  | 6   | .06   | .6  | <.020   | 1.4  | 80  |
| 14... | --  | 21  | 15.5  | 13.4  | --  | --  | --  | --  | --   | 50  |
| APR   |   |   |   |   |   |   |   |   |  |   |
| 18... | 22  | 20  | 12.9  | 17.5  | 7   | .04   | .5  | <.020   | 1.5  | --  |
| MAY   |   |   |   |   |   |   |   |   |  |   |
| 16... | 23  | 23  | 19.5  | 19.5  | 8   | .04   | .6  | <.020   | 1.6  | 50  |
| 24... | --  | 20  | 27.7  | 23.0  | --  | --  | --  | --  | --   | 230   |
| 31... | --  | 22  | 28.7  | 22.6  | --  | --  | --  | --  | --   | 50  |
| JUN   |   |   |   |   |   |   |   |   |  |   |
| 13... | 24  | 23  | 24.5  | 23.0  | 8   | .04   | .5  | <.020   | 1.6  | 170   |
| JUL   |   |   |   |   |   |   |   |   |  |   |
| 26... | 23  | 23  | 21.2  | 23.6  | 6   | .01   | .4  | <.020   | 2.5  | 340   |
| AUG   |   |   |   |   |   |   |   |   |  |   |
| 02... | --  | 21  | 24.0  | 23.4  | --  | --  | --  | --  | --   | 80  |
| 09... | --  | 23  | 23.7  | 25.0  | --  | --  | --  | --  | --   | 140   |
| 16... | 22  | 20  | 35.6  | 23.6  | 6   | .03   | .4  | <.020   | 1.2  | 70  |
| SEP   |   |   |   |   |   |   |   |   |  |   |
| 06... | 22  | 23  | 20.4  | 22.4  | 5   | .07   | .3  | .040  | 4.7  | --  |
| OCT   |   |   |   |   |   |   |   |   |  |   |
| 11... | 23  | 23  | 9.5   | 13.5  | 5   | .16   | .6  | <.020   | 1.9  | --  |
| NOV   |   |   |   |   |   |   |   |   |  |   |
| 14... | --  | 24  | 10.9  | 15.7  | --  | --  | --  | --  | --   | 700   |
| 16... | 23  | 23  | 10.8  | 12.8  | 5   | .08   | .6  | <.020   | 1.4  | 110   |
| 28... | --  | 24  | 12.6  | 10.9  | --  | --  | --  | --  | --   | 220   |
| DEC   |   |   |   |   |   |   |   |   |  |   |
| 06... | 24  | 21  | 9.5   | 8.9   | 4   | .03   | .7  | <.020   | 1.1  | 20  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02348405 HORSE CREEK AT MACON COUNTY ROAD 164,  
NEAR MONTEZUMA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, (PER-CENT SATURATION) (00301) | PH WATER WHOLE FIELD (STANDARD UNITS) (00400) | SPECIFIC CONDUCTANCE (US/CM) (00095) | TEMPERATURE AIR (DEG C) (00020) | TEMPERATURE WATER (DEG C) (00010) | CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916) | MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927) |
|-----------|------|--|---|-----------------------------------|---------------------------------------|---|--------------------------------------|---------------------------------|-----------------------------------|--|---|
| APR 18... | 0830 | 81213                                  | 30  | 8.9                               | 94                                    | 6.1   | 20                                   | 12.9                            | 17.5                              | .9   | .6  |
| JUL 26... | 0750 | 81213                                  | 21  | 8.1                               | 95                                    | 6.5   | 23                                   | 21.2                            | 23.6                              | 1.1  | .7  |

| DATE      | ANTI-MONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | SELENIUM, TOTAL (UG/L AS SE) (01147) | THALLIUM, TOTAL (UG/L AS TL) (01059) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|-----------|---------------------------------------|------------------------------------|--|--|--|--|--|--|--------------------------------------|--------------------------------------|--|
| APR 18... | <1.0                                  | <2.0                               | <.5  | <1.0   | <1.0   | <1.0   | <.1  | <1.0   | <2.0                                 | <2.0                                 | 1.1  |
| JUL 26... | <1.0                                  | <4.0                               | <.5  | <1.0   | <2.0   | <2.0   | <.1  | <1.0   | <4.0                                 | <2.0                                 | 3.6  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02348440 FLINT RIVER NEAR MARSHALLVILLE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 32°26'12", long 84°01'36", Macon County, Hydrologic Unit 03130005, at bridge on Georgia Highway 127, 4.0 miles west of Marshallville.

**DRAINAGE AREA.--**2360 mi<sup>2</sup>.

**PERIOD OF RECORD.--**April 1995 to November 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>TUR-<br>BID-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) |
|-------|------|---|---|--|---|--|---|--|--|---|
| JAN   |      |   |   |  |   |  |   |  |  |   |
| 27... | 1205 | 81213   | --  | 46   | 48                                      | 12.1   | 91  | 6.8  | 6.9  | 54  |
| FEB   |      |   |   |  |   |  |   |  |  |   |
| 23... | 1215 | 81213   | .7  | 18   | 17                                      | 10.1   | 94  | 6.9  | 7.3  | 64  |
| MAR   |      |   |   |  |   |  |   |  |  |   |
| 01... | 1245 | 81213   | --  | --   | --                                      | 9.3  | 92  | 6.9  | --   | --  |
| 07... | 0830 | 81213   | .8  | 14   | 15                                      | 7.8  | 77  | 7.3  | 7.3  | 65  |
| 14... | 1235 | 81213   | --  | --   | --                                      | 9.6  | 93  | 7.0  | --   | --  |
| APR   |      |   |   |  |   |  |   |  |  |   |
| 18... | 0925 | 81213   | 1.1   | 16   | 15                                      | 8.4  | 90  | 7.2  | 7.4  | 66  |
| MAY   |      |   |   |  |   |  |   |  |  |   |
| 16... | 0855 | 81213   | 2.0   | 6  | 3.1                                     | 6.9  | 82  | 7.2  | 7.4  | 77  |
| 24... | 1000 | 81213   | --  | --   | --                                      | 6.7  | 83  | 7.2  | --   | --  |
| 31... | 1415 | 81213   | --  | --   | --                                      | 8.7  | 110   | 7.3  | --   | --  |
| JUN   |      |   |   |  |   |  |   |  |  |   |
| 13... | 0850 | 81213   | 1.2   | 7  | 6.7                                     | 6.8  | 84  | 7.2  | 7.3  | 102   |
| JUL   |      |   |   |  |   |  |   |  |  |   |
| 26... | 0905 | 81213   | .9  | 9  | 4.4                                     | 7.2  | 86  | 7.3  | 7.7  | 102   |
| AUG   |      |   |   |  |   |  |   |  |  |   |
| 02... | 0750 | 81213   | --  | --   | --                                      | 6.6  | 80  | 7.3  | --   | --  |
| 09... | 0700 | 81213   | --  | --   | --                                      | 6.0  | 78  | 7.0  | --   | --  |
| 16... | 1235 | 81213   | 1.0   | 15   | 8.2                                     | 8.6  | 109   | 7.4  | 7.2  | 80  |
| SEP   |      |   |   |  |   |  |   |  |  |   |
| 06... | 0735 | 81213   | .7  | 37   | 34                                      | 6.5  | 80  | 7.0  | 7.3  | 82  |
| OCT   |      |   |   |  |   |  |   |  |  |   |
| 11... | 0815 | 81213   | .3  | 5  | 5.7                                     | 8.8  | 84  | 7.3  | 7.3  | 97  |
| NOV   |      |   |   |  |   |  |   |  |  |   |
| 14... | 0910 | 81213   | --  | --   | --                                      | 9.2  | 91  | 7.1  | --   | --  |
| 16... | 0830 | 81213   | .7  | 17   | 16                                      | 9.4  | 88  | 7.2  | 7.3  | 84  |
| 28... | 0945 | 81213   | --  | --   | --                                      | 10.1   | 90  | 6.8  | --   | --  |
| DEC   |      |   |   |  |   |  |   |  |  |   |
| 06... | 0930 | 81213   | .7  | 6  | 8.4                                     | 11.0   | 90  | 6.6  | 6.9  | 69  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02348440 FLINT RIVER NEAR MARSHALLVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|---|---|--|---|---|---|--|---|
| JAN   |  |   |   |  |   |   |   |  |   |
| 27... | 49   | 8.0   | 4.0   | 14   | .04   | .3  | .060  | 3.0  | --  |
| FEB   |  |   |   |  |   |   |   |  |   |
| 23... | 61   | 21.5  | 12.6  | 20   | .04   | .2  | .030  | 2.4  | 20  |
| MAR   |  |   |   |  |   |   |   |  |   |
| 01... | 63   | 22.0  | 14.8  | --   | --  | --  | --  | --   | 20  |
| 07... | 61   | 10.1  | 15.0  | 21   | .04   | .2  | .030  | 2.4  | 20  |
| 14... | 57   | 19.0  | 14.2  | --   | --  | --  | --  | --   | 70  |
| APR   |  |   |   |  |   |   |   |  |   |
| 18... | 59   | 17.5  | 18.2  | 24   | .05   | .2  | .020  | 2.4  | --  |
| MAY   |  |   |   |  |   |   |   |  |   |
| 16... | 77   | 22.5  | 23.5  | 26   | .04   | .1  | <.020   | 2.0  | <20   |
| 24... | 94   | 27.9  | 25.5  | --   | --  | --  | --  | --   | <20   |
| 31... | 85   | 30.5  | 26.6  | --   | --  | --  | --  | --   | <20   |
| JUN   |  |   |   |  |   |   |   |  |   |
| 13... | 102  | 30.4  | 26.0  | 35   | .02   | .1  | <.020   | 2.7  | 80  |
| JUL   |  |   |   |  |   |   |   |  |   |
| 26... | 115  | 25.5  | 24.5  | 38   | .13   | .1  | .020  | 2.0  | 110   |
| AUG   |  |   |   |  |   |   |   |  |   |
| 02... | 118  | 23.1  | 25.7  | --   | --  | --  | --  | --   | 80  |
| 09... | 97   | 24.2  | 28.8  | --   | --  | --  | --  | --   | 230   |
| 16... | 80   | 36.4  | 27.5  | 21   | .02   | .1  | <.020   | 1.6  | 50  |
| SEP   |  |   |   |  |   |   |   |  |   |
| 06... | 86   | 18.8  | 25.5  | 21   | .06   | .2  | .060  | 4.8  | --  |
| OCT   |  |   |   |  |   |   |   |  |   |
| 11... | 96   | 8.6   | 14.2  | 27   | .18   | .2  | <.020   | 2.5  | --  |
| NOV   |  |   |   |  |   |   |   |  |   |
| 14... | 78   | 10.0  | 14.5  | --   | --  | --  | --  | --   | 50  |
| 16... | 87   | 7.3   | 12.3  | 23   | .07   | .1  | .030  | 2.8  | 50  |
| 28... | 63   | 14.2  | 10.2  | --   | --  | --  | --  | --   | 230   |
| DEC   |  |   |   |  |   |   |   |  |   |
| 06... | 65   | 7.0   | 6.6   | 15   | .02   | .2  | <.020   | 2.8  | 20  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02348440 FLINT RIVER NEAR MARSHALLVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) |
|--------------|------|---|---|---|--|--|---|---|--|--|---|
| APR<br>18... | 0925 | 81213   | 8.4   | 90  | 7.2  | 59   | 17.5  | 18.2  | 3.3  | 1.3  | <1.0  |
| JUL<br>26... | 0905 | 81213   | 7.2   | 86  | 7.3  | 115  | 25.5  | 24.5  | 3.0  | 1.3  | <1.0  |

| DATE         | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|--|--|---|--|--|--|--|---|---|--|
| APR<br>18... | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 2.3  |
| JUL<br>26... | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 13   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02348500 WHITEWATER CREEK AT GEORGIA HIGHWAY 3, NEAR BUTLER, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 32°28'02", long 84°15'59", Taylor County, Hydrologic Unit 03130005, at bridge on Georgia Highway 3, 396 feet upstream from Rambulette Creek, and 7.0 miles southwest of Butler.

**DRAINAGE AREA.--**80.0 mi<sup>2</sup>.

**PERIOD OF RECORD.--**January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY ANA-LYZING SAMPLE NUMBER (00028) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530) | TUR-BID-ITY (NTU) (00076) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400) | PH WATER WHOLE LAB (STAND-ARD UNITS) (00403) |
|-------|------|---|---|---|--|---------------------------|-----------------------------------|---|--|--|
| JAN   |      |   |   |   |  |                           |                                   |   |  |  |
| 27... | 0800 | 81213                                   | 119   | --  | 3  | 2.4                       | 10.8                              | 89  | 6.1  | 5.4  |
| FEB   |      |   |   |   |  |                           |                                   |   |  |  |
| 23... | 0915 | 81213                                   | 102   | .4  | 6  | 3.3                       | 9.7                               | 89  | 6.1  | 5.7  |
| MAR   |      |   |   |   |  |                           |                                   |   |  |  |
| 01... | 0900 | 81213                                   | 101   | --  | --   | --                        | 9.4                               | 90  | 5.8  | --   |
| 07... | 1215 | 81213                                   | 103   | .5  | 2  | 3.2                       | 8.4                               | 82  | 6.8  | 5.9  |
| 14... | 0915 | 81213                                   | 109   | --  | --   | --                        | 9.8                               | 91  | 5.5  | --   |
| APR   |      |   |   |   |  |                           |                                   |   |  |  |
| 18... | 1245 | 81213                                   | 104   | 1.0   | 180  | 38                        | 9.4                               | 100   | 5.9  | 5.8  |
| MAY   |      |   |   |   |  |                           |                                   |   |  |  |
| 16... | 1125 | 81213                                   | 92  | 1.2   | 5  | 3.5                       | 9.1                               | 97  | 5.9  | 5.8  |
| 24... | 0730 | 81213                                   | 93  | --  | --   | --                        | 7.9                               | 89  | 5.8  | --   |
| 31... | 1240 | 81213                                   | 89  | --  | --   | --                        | 9.5                               | 105   | 6.2  | --   |
| JUN   |      |   |   |   |  |                           |                                   |   |  |  |
| 13... | 1105 | 81213                                   | 89  | 1.4   | 10   | 8.6                       | 9.1                               | 102   | 5.8  | 5.9  |
| JUL   |      |   |   |   |  |                           |                                   |   |  |  |
| 26... | 1155 | 81213                                   | 101   | .5  | 10   | 7.2                       | 8.5                               | 96  | 5.7  | 5.7  |
| AUG   |      |   |   |   |  |                           |                                   |   |  |  |
| 02... | 0950 | 81213                                   | 99  | --  | --   | --                        | 8.0                               | 91  | 5.7  | --   |
| 09... | 0900 | 81213                                   | 93  | --  | --   | --                        | 8.1                               | 93  | 5.7  | --   |
| 16... | 0735 | 81213                                   | 87  | .6  | 8  | 4.4                       | 8.6                               | 96  | 5.8  | 6.1  |
| SEP   |      |   |   |   |  |                           |                                   |   |  |  |
| 06... | 0955 | 81213                                   | 132   | .6  | 27   | 28                        | 7.5                               | 84  | 5.7  | 5.5  |
| OCT   |      |   |   |   |  |                           |                                   |   |  |  |
| 11... | 1115 | 81213                                   | 95  | .3  | 3  | 1.9                       | 9.4                               | 90  | 5.8  | 5.8  |
| NOV   |      |   |   |   |  |                           |                                   |   |  |  |
| 14... | 1100 | 81213                                   | 108   | --  | --   | --                        | 8.9                               | 88  | 5.9  | --   |
| 16... | 1145 | 81213                                   | 102   | .5  | 2  | 1.7                       | 9.7                               | 92  | 5.8  | 5.9  |
| 28... | 1200 | 81213                                   | 107   | --  | --   | --                        | 9.9                               | 91  | 5.5  | --   |
| DEC   |      |   |   |   |  |                           |                                   |   |  |  |
| 06... | 1330 | 81213                                   | 101   | .3  | 2  | 1.6                       | 10.5                              | 93  | 5.2  | 5.5  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02348500 WHITEWATER CREEK AT GEORGIA HIGHWAY 3, NEAR BUTLER, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 27... | 14  | 11  | -5.0  | 7.3   | 4  | .02   | .3  | <.020   | 2.4  | --  |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 23... | 13  | 11  | 14.5  | 12.0  | 4  | .03   | .4  | <.020   | .90  | 80  |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 01... | --  | 11  | 12.5  | 13.7  | --   | --  | --  | --  | --   | 80  |
| 07... | 13  | 12  | 27.0  | 14.3  | 5  | .02   | .3  | <.020   | .90  | 50  |
| 14... | --  | 12  | 12.0  | 12.3  | --   | --  | --  | --  | --   | 170   |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 18... | 13  | 13  | 22.6  | 17.8  | 5  | .04   | .3  | .030  | 1.3  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 16... | 13  | 13  | 27.0  | 18.5  | 5  | .02   | .3  | <.020   | 1.0  | 50  |
| 24... | --  | 11  | 24.7  | 20.6  | --   | --  | --  | --  | --   | 140   |
| 31... | --  | 12  | 27.7  | 19.8  | --   | --  | --  | --  | --   | 70  |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 13... | 13  | 12  | 31.0  | 21.0  | 4  | .02   | .3  | <.020   | 2.0  | 330   |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 26... | 13  | 13  | 26.5  | 21.4  | 3  | <.01  | .3  | <.020   | 1.8  | 490   |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 02... | --  | 13  | 27.3  | 21.4  | --   | --  | --  | --  | --   | 130   |
| 09... | --  | 13  | 29.4  | 22.3  | --   | --  | --  | --  | --   | 330   |
| 16... | 13  | 11  | 19.3  | 20.5  | 4  | <.01  | .4  | <.020   | .60  | 790   |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 06... | 15  | 16  | 19.1  | 21.1  | 3  | .05   | .2  | .020  | 4.2  | --  |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 11... | 12  | 13  | 21.5  | 13.4  | 3  | .11   | .3  | <.020   | 1.7  | --  |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 14... | --  | 13  | 15.5  | 15.3  | --   | --  | --  | --  | --   | 330   |
| 16... | 13  | 13  | 21.0  | 12.8  | 3  | .06   | .3  | <.020   | 1.8  | 110   |
| 28... | --  | 14  | 17.6  | 11.7  | --   | --  | --  | --  | --   | 80  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 06... | 13  | 11  | 12.5  | 9.7   | 2  | .02   | .4  | <.020   | 1.0  | 80  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02348500 WHITEWATER CREEK AT GEORGIA HIGHWAY 3, NEAR BUTLER, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|--|--|--|---|---|--|--|
| APR<br>18... | 1245 | 81213   | 104   | 9.4   | 100  | 5.9  | 13   | 22.6  | 17.8  | .5   | .3   |
| JUL<br>26... | 1155 | 81213   | 101   | 8.5   | 96   | 5.7  | 13   | 26.5  | 21.4  | .5   | .3   |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| APR<br>18... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 1.8  |
| JUL<br>26... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 2.0  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349080 WHITEWATER CREEK AT GEORGIA HIGHWAY 195, NEAR IDEAL, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°22'44", long 84°11'04", Macon County, Hydrologic Unit 03130005, at bridge on Georgia Highway 195, approximately 250 feet downstream from Cedar Creek, and just north of the town limit of Ideal.

**DRAINAGE AREA.**--192.5 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|--|---|---|---|
| FEB   |      |   |   |   |  |   |  |   |   |   |
| 23... | 1045 | 81213   | 294   | .4  | 5  | 3.0                                     | 10.3   | 94  | 5.8   | 5.7   |
| MAR   |      |   |   |   |  |   |  |   |   |   |
| 01... | 1120 | 81213   | 290   | --  | --   | --                                      | 9.6  | 92  | 5.7   | --  |
| 07... | 1110 | 81213   | 313   | .5  | <1   | 4.0                                     | 8.1  | 78  | 6.0   | 5.7   |
| 14... | 1000 | 81213   | 353   | --  | --   | --                                      | 9.9  | 91  | 5.4   | --  |
| APR   |      |   |   |   |  |   |  |   |   |   |
| 18... | 1120 | 81213   | 312   | .9  | 11   | 6.2                                     | 8.9  | 95  | 6.7   | 5.8   |
| MAY   |      |   |   |   |  |   |  |   |   |   |
| 16... | 1015 | 81213   | 226   | 1.4   | 8  | 3.6                                     | 8.8  | 94  | 6.2   | 5.8   |
| 24... | 0815 | 81213   | 234   | --  | --   | --                                      | 8.2  | 93  | 5.7   | --  |
| 31... | 1315 | 81213   | 222   | --  | --   | --                                      | 9.4  | 105   | 5.8   | --  |
| JUN   |      |   |   |   |  |   |  |   |   |   |
| 13... | 0955 | 81213   | 199   | 1.0   | 6  | 4.6                                     | 8.8  | 98  | 6.1   | 5.8   |
| JUL   |      |   |   |   |  |   |  |   |   |   |
| 26... | 1015 | 81213   | 305   | .8  | 37   | 19                                      | 7.9  | 90  | 6.2   | 5.4   |
| AUG   |      |   |   |   |  |   |  |   |   |   |
| 02... | 0850 | 81213   | 287   | --  | --   | --                                      | 9.1  | 104   | 5.8   | --  |
| 09... | 0750 | 81213   | 232   | --  | --   | --                                      | 7.7  | 90  | 5.8   | --  |
| 16... | 0905 | 81213   | 198   | .9  | 6  | 3.3                                     | 8.5  | 95  | 5.8   | 5.7   |
| SEP   |      |   |   |   |  |   |  |   |   |   |
| 06... | 1110 | 81213   | 298   | .6  | 12   | 8.5                                     | 7.6  | 85  | 5.7   | 5.7   |
| OCT   |      |   |   |   |  |   |  |   |   |   |
| 11... | 1015 | 81213   | 236   | .2  | 4  | 2.2                                     | 9.6  | 90  | 5.8   | 5.7   |
| NOV   |      |   |   |   |  |   |  |   |   |   |
| 14... | 1030 | 81213   | 278   | --  | --   | --                                      | 9.1  | 90  | 6.0   | --  |
| 16... | 1020 | 81213   | 266   | .6  | 2  | 2.5                                     | 9.8  | 91  | 6.0   | 5.8   |
| 28... | 1105 | 81213   | 288   | --  | --   | --                                      | 9.6  | 88  | 5.5   | --  |
| DEC   |      |   |   |   |  |   |  |   |   |   |
| 06... | 1200 | 81213   | 263   | .3  | 5  | 2.7                                     | 10.5   | 91  | 5.2   | 5.4   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349080 WHITEWATER CREEK AT GEORGIA HIGHWAY 195, NEAR IDEAL, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 23... | 15  | 13   | 16.0  | 11.8  | 5  | .04   | .4  | <.020   | .90  | <20   |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 01... | --  | 13   | 21.0  | 13.7  | --   | --  | --  | --  | --   | 50  |
| 07... | 16  | 14   | 23.0  | 13.9  | 4  | .05   | .3  | <.020   | 1.2  | 140   |
| 14... | --  | 14   | 13.5  | 12.1  | --   | --  | --  | --  | --   | 110   |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 18... | 15  | 14   | 21.7  | 17.4  | 5  | .05   | .3  | <.020   | 1.3  | --  |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 16... | 14  | 16   | 23.8  | 18.7  | 5  | .04   | .3  | <.020   | 1.3  | 330   |
| 24... | --  | 12   | 26.3  | 20.9  | --   | --  | --  | --  | --   | 130   |
| 31... | --  | 13   | 29.6  | 20.3  | --   | --  | --  | --  | --   | 80  |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 13... | 14  | 14   | 28.4  | 21.0  | 3  | .02   | .4  | <.020   | .90  | 80  |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 26... | 16  | 29   | 24.2  | 21.6  | 3  | .15   | .2  | .030  | 2.5  | 490   |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 02... | --  | 14   | 26.1  | 21.6  | --   | --  | --  | --  | --   | 170   |
| 09... | --  | 14   | 25.4  | 22.7  | --   | --  | --  | --  | --   | 220   |
| 16... | 14  | 12   | 25.3  | 20.8  | 3  | <.01  | .3  | <.020   | .60  | 90  |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 06... | 15  | 16   | 18.9  | 21.3  | 3  | .05   | .2  | <.020   | 2.1  | --  |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 11... | 14  | 14   | 15.7  | 12.9  | 3  | .11   | .3  | <.020   | 1.1  | --  |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 14... | --  | 15   | 11.1  | 14.6  | --   | --  | --  | --  | --   | 50  |
| 16... | 15  | 15   | 12.0  | 12.4  | 2  | .06   | .3  | <.020   | 1.6  | 130   |
| 28... | --  | 16   | 16.3  | 11.7  | --   | --  | --  | --  | --   | 20  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 06... | 15  | 13   | 11.5  | 9.1   | 2  | .02   | .4  | <.020   | .70  | 50  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349080 WHITEWATER CREEK AT GEORGIA HIGHWAY 195, NEAR IDEAL, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|--|---|---|---|--|--|---|---|--|--|
| APR<br>18... | 1120 | 81213  | 312   | 8.9   | 95  | 6.7  | 14   | 21.7  | 17.4  | .5   | .3   |
| JUL<br>26... | 1015 | 81213  | 305   | 7.9   | 90  | 6.2  | 29   | 24.2  | 21.6  | 1  | .4   |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| APR<br>18... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 1.6  |
| JUL<br>26... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 4.2  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349400 BUCK CREEK NEAR IDEAL, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°18'33", long 84°09'43", Macon County, Hydrologic Unit 03130006, at bridge on Georgia Highway 195, 2.5 miles south of Ideal.

**DRAINAGE AREA.**--196 mi<sup>2</sup>.

**PERIOD OF RECORD.**--April 1995 to November 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|--|---|---|---|
| FEB   |      |   |   |   |   |   |  |   |   |   |
| 03... | 1110 | 81213   | 169   | .4  | 3   | 3.5                                     | 12.6   | 98  | 6.5   | 6.4   |
| 24... | 1100 | 81213   | 126   | 1.0   | 4   | 4.9                                     | 10.6   | 97  | 6.6   | 6.4   |
| MAR   |      |   |   |   |   |   |  |   |   |   |
| 02... | 1045 | 81213   | 128   | --  | --  | --                                      | 9.7  | 94  | 6.4   | --  |
| 09... | 1040 | 81213   | 127   | --  | --  | --                                      | 8.9  | 89  | 6.4   | --  |
| 16... | 1120 | 81213   | 156   | .5  | 6   | 7.4                                     | 9.5  | 95  | 6.4   | 6.4   |
| APR   |      |   |   |   |   |   |  |   |   |   |
| 20... | 1100 | 81213   | 119   | .7  | 10  | 11                                      | 8.4  | 89  | 6.7   | 6.5   |
| MAY   |      |   |   |   |   |   |  |   |   |   |
| 18... | 1030 | 81213   | 80  | 1.0   | 15  | 13                                      | 8.4  | 93  | 6.6   | 6.2   |
| 25... | 0940 | 81213   | 80  | --  | --  | --                                      | 7.7  | 92  | 6.6   | --  |
| JUN   |      |   |   |   |   |   |  |   |   |   |
| 08... | 0850 | 81213   | 77  | --  | --  | --                                      | 8.7  | 96  | 6.6   | --  |
| 14... | 0840 | 81213   | 68  | 1.1   | 17  | 14                                      | 7.8  | 91  | 6.7   | 6.3   |
| JUL   |      |   |   |   |   |   |  |   |   |   |
| 13... | 0830 | 81213   | 88  | .8  | 21  | 17                                      | 7.6  | 92  | 6.6   | 6.4   |
| AUG   |      |   |   |   |   |   |  |   |   |   |
| 17... | 1005 | 81213   | 68  | 1.1   | 7   | 6.9                                     | 7.7  | 91  | 6.7   | 6.5   |
| 31... | 0910 | 81213   | 84  | --  | --  | --                                      | 7.2  | 85  | 6.5   | --  |
| SEP   |      |   |   |   |   |   |  |   |   |   |
| 07... | 0935 | 81213   | 127   | --  | --  | --                                      | 7.5  | 85  | 6.4   | --  |
| 13... | 1130 | 81213   | 88  | 1.7   | 11  | 7.7                                     | 7.9  | 90  | 6.6   | 6.4   |
| 21... | 0845 | 81213   | 79  | --  | --  | --                                      | 8.0  | 91  | 6.4   | --  |
| OCT   |      |   |   |   |   |   |  |   |   |   |
| 05... | 0900 | 81213   | 83  | --  | --  | --                                      | 8.2  | 86  | 6.5   | --  |
| 12... | 0900 | 81213   | 86  | .2  | 4   | 4.2                                     | 9.8  | 90  | 6.4   | 6.4   |
| NOV   |      |   |   |   |   |   |  |   |   |   |
| 16... | 1050 | 81213   | 110   | .9  | 4   | 5.7                                     | 10.1   | 92  | 6.6   | 6.4   |
| DEC   |      |   |   |   |   |   |  |   |   |   |
| 12... | 1010 | 81213   | 112   | .6  | 6   | 3.1                                     | 10.0   | 91  | 6.5   | 6.3   |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349400 BUCK CREEK NEAR IDEAL, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 03... | 27  | 26  | 11.0  | 4.5   | 7  | .08   | .3  | <.020   | 3.3  | --  |
| 24... | 25  | 24  | 18.5  | 11.5  | 8  | .04   | .2  | <.020   | 1.8  | 50  |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 02... | --  | 24  | 18.5  | 13.5  | --   | --  | --  | --  | --   | 20  |
| 09... | --  | 24  | 17.0  | 15.0  | --   | --  | --  | --  | --   | 50  |
| 16... | 26  | 26  | 21.0  | 15.0  | 8  | .08   | .2  | <.020   | 2.7  | 80  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 20... | 25  | 20  | 28.0  | 18.0  | 8  | .08   | .2  | <.020   | 2.7  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 18... | 22  | 19  | 27.0  | 20.5  | 5  | .07   | .2  | .030  | 2.3  | 70  |
| 25... | --  | 18  | 28.0  | 23.5  | --   | --  | --  | --  | --   | 50  |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 08... | --  | 19  | 20.0  | 20.0  | --   | --  | --  | --  | --   | 50  |
| 14... | 21  | 20  | 26.0  | 23.0  | 5  | .05   | .2  | .030  | 2.1  | 110   |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 13... | 23  | 21  | 25.0  | 24.0  | 6  | .05   | .2  | .040  | 2.2  | 13000   |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 17... | 22  | 19  | 29.0  | 23.0  | 5  | .05   | .2  | <.020   | 1.7  | 170   |
| 31... | --  | 19  | 22.0  | 23.0  | --   | --  | --  | --  | --   | 790   |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 07... | --  | 22  | 18.0  | 21.0  | --   | --  | --  | --  | --   | 70  |
| 13... | 27  | 27  | 29.6  | 21.5  | 5  | .06   | .2  | <.020   | 3.2  | 490   |
| 21... | --  | 21  | 25.0  | 21.0  | --   | --  | --  | --  | --   | <20   |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 05... | --  | 24  | 17.7  | 17.7  | --   | --  | --  | --  | --   | 330   |
| 12... | 23  | 19  | 8.0   | 11.5  | 5  | .04   | .2  | <.020   | 2.3  | 230   |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 16... | 26  | 22  | 14.0  | 11.0  | 5  | .08   | .1  | <.020   | 2.6  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 12... | 26  | 22  | 14.0  | 11.0  | 5  | .04   | .2  | <.020   | 2.3  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349400 BUCK CREEK NEAR IDEAL, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00300)<br>(00301) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|--|---|--|--|---|---|--|--|
| JUN<br>14... | 0840 | 81213   | 68  | 7.8  | 91  | 6.7  | 20   | 26.0  | 23.0  | 1.3  | .6   |
| NOV<br>16... | 1050 | 81213   | 110   | 10.1   | 92  | 6.6  | 22   | 14.0  | 11.0  | 1.5  | .7   |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| JUN<br>14... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 3.3  |
| NOV<br>16... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349500 FLINT RIVER AT MONTEZUMA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 32°17'53", long 84°02'38", Macon County, Hydrologic Unit 03130006, at the bridge on Georgia Highway 49, 1,000 feet upstream from the Central of Georgia Railway bridge, 1,400 feet upstream from Seaboard Coast Line Railroad (formerly Atlanta, Birmingham and Coast Railroad) bridge, just upstream from Buck Creek, 1.0 mile west of Montezuma and at mile 180.6.

**DRAINAGE AREA.--**2,900 mi<sup>2</sup>, approximately; includes that of Buck Creek.

**PERIOD OF RECORD.--**February 1968 to July 1974, August 1976 to current year.

**REMARKS.--**The streamflow gage at this station is near the left bank, attached to a bridge pier, on the downstream side of the Georgia Highway 49 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.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | COLOR<br>(PLAT-<br>INUM-<br>COBALT<br>UNITS)<br>(00080) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>TUR-<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|---|--|--|--|
| JAN   |      |   |   |   |   |   |   |   |  |  |  |
| 05... | 1410 | 81341   | 1280  | <2.0  | 35  | 6   | 6.0                                     | 9.9   | 93   | 7.1  | 6.6  |
| FEB   |      |   |   |   |   |   |   |   |  |  |  |
| 03... | 1300 | 81213   | 3330  | .9  | --  | 24  | 27                                      | 12.7  | 101  | 6.8  | 6.9  |
| 23... | 1000 | 81213   | 1760  | --  | --  | --  | --                                      | 10.4  | 95   | 6.7  | --   |
| 24... | 1255 | 81213   | 1700  | .8  | --  | 15  | 14                                      | 10.6  | 103  | 6.8  | 7.1  |
| MAR   |      |   |   |   |   |   |   |   |  |  |  |
| 02... | 1210 | 81213   | 1770  | --  | --  | --  | --                                      | 10.0  | 100  | 7.1  | --   |
| 09... | 1140 | 81213   | 1790  | --  | --  | --  | --                                      | 8.9   | 92   | 7.0  | --   |
| 16... | 1245 | 81213   | 2210  | .3  | --  | 18  | 18                                      | 9.8   | 101  | 6.7  | 7.1  |
| APR   |      |   |   |   |   |   |   |   |  |  |  |
| 20... | 0940 | 81213   | 1680  | .6  | --  | 19  | 12                                      | 8.5   | 93   | 7.2  | 7.2  |
| MAY   |      |   |   |   |   |   |   |   |  |  |  |
| 18... | 1130 | 81213   | 704   | .6  | --  | 8   | 5.8                                     | 8.4   | 100  | 7.2  | 7.1  |
| 25... | 1020 | 81213   | 633   | --  | --  | --  | --                                      | 7.1   | 89   | 7.2  | --   |
| JUN   |      |   |   |   |   |   |   |   |  |  |  |
| 08... | 0930 | 81213   | 525   | --  | --  | --  | --                                      | 8.0   | 93   | 7.1  | --   |
| 14... | 0945 | 81213   | 469   | 1.8   | --  | 8   | 6.5                                     | 7.9   | 97   | 7.4  | 7.2  |
| JUL   |      |   |   |   |   |   |   |   |  |  |  |
| 13... | 0930 | 81213   | 682   | 1.2   | --  | 24  | 18                                      | 6.9   | 84   | 7.0  | 7.1  |
| AUG   |      |   |   |   |   |   |   |   |  |  |  |
| 17... | 1055 | 81213   | 417   | 1.0   | --  | 8   | 4.8                                     | 7.6   | 95   | 7.0  | 7.2  |
| 31... | 0940 | 81213   | 662   | --  | --  | --  | --                                      | 7.3   | 90   | 6.9  | --   |
| SEP   |      |   |   |   |   |   |   |   |  |  |  |
| 07... | 1005 | 81213   | 1620  | --  | --  | --  | --                                      | 7.1   | 82   | 6.9  | --   |
| 13... | 0935 | 81213   | 860   | 1.3   | --  | 18  | 15                                      | 7.3   | 86   | 7.2  | 7.1  |
| 21... | 0920 | 81213   | 594   | --  | --  | --  | --                                      | 8.3   | 98   | 7.0  | --   |
| OCT   |      |   |   |   |   |   |   |   |  |  |  |
| 05... | 0815 | 81213   | 672   | --  | --  | --  | --                                      | 7.8   | 87   | 7.1  | --   |
| 12... | 0940 | 81213   | 683   | .3  | --  | 6   | 4.8                                     | 9.8   | 95   | 7.1  | 7.2  |
| NOV   |      |   |   |   |   |   |   |   |  |  |  |
| 16... | 1145 | 81213   | 1090  | .7  | --  | 10  | 9.8                                     | 9.9   | 94   | 7.1  | 7.1  |
| DEC   |      |   |   |   |   |   |   |   |  |  |  |
| 12... | 1050 | 81213   | 1040  | .5  | --  | 10  | 8.7                                     | 10.6  | 96   | 7.1  | 7.0  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349500 FLINT RIVER AT MONTEZUMA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|---|---|---|---|--|---|
| JAN   |   |   |   |   |   |   |   |   |  |   |
| 05... | 47  | 45  | 12.5  | 12.6  | 9   | <.03  | .3  | .020  | 2.2  | --  |
| FEB   |   |   |   |   |   |   |   |   |  |   |
| 03... | 50  | 50  | 14.5  | 5.5   | 13  | .10   | .3  | .030  | 2.9  | --  |
| 23... | --  | 53  | 16.0  | 12.0  | --  | --  | --  | --  | --   | --  |
| 24... | 54  | 54  | 23.0  | 14.0  | 17  | .03   | .2  | <.020   | 2.2  | <20   |
| MAR   |   |   |   |   |   |   |   |   |  |   |
| 02... | --  | 55  | 23.0  | 15.0  | --  | --  | --  | --  | --   | 20  |
| 09... | --  | 52  | 19.0  | 16.5  | --  | --  | --  | --  | --   | 50  |
| 16... | 51  | 50  | 21.0  | 16.0  | 17  | .05   | .2  | .030  | 3.1  | 170   |
| APR   |   |   |   |   |   |   |   |   |  |   |
| 20... | 56  | 51  | 28.0  | 19.5  | 20  | .05   | .2  | <.020   | 2.2  | --  |
| MAY   |   |   |   |   |   |   |   |   |  |   |
| 18... | 56  | 52  | 32.0  | 24.0  | 18  | .04   | .2  | .020  | 1.5  | <20   |
| 25... | --  | 59  | 32.0  | 26.0  | --  | --  | --  | --  | --   | 230   |
| JUN   |   |   |   |   |   |   |   |   |  |   |
| 08... | --  | 56  | 22.5  | 22.8  | --  | --  | --  | --  | --   | 20  |
| 14... | 66  | 62  | 33.0  | 26.0  | 21  | .05   | .2  | <.020   | 1.7  | 80  |
| JUL   |   |   |   |   |   |   |   |   |  |   |
| 13... | 52  | 50  | 29.0  | 24.9  | 16  | .06   | .4  | .040  | 2.7  | 3100  |
| AUG   |   |   |   |   |   |   |   |   |  |   |
| 17... | 49  | 46  | 34.0  | 26.0  | 13  | .03   | .2  | <.020   | 1.2  | 50  |
| 31... | --  | 50  | 22.0  | 25.0  | --  | --  | --  | --  | --   | 110   |
| SEP   |   |   |   |   |   |   |   |   |  |   |
| 07... | --  | 62  | 19.0  | 22.5  | --  | --  | --  | --  | --   | 110   |
| 13... | 70  | 71  | 26.3  | 23.7  | 18  | .48   | .3  | .130  | 2.5  | E73   |
| 21... | --  | 49  | 26.5  | 23.0  | --  | --  | --  | --  | --   | <20   |
| OCT   |   |   |   |   |   |   |   |   |  |   |
| 05... | --  | 60  | 21.4  | 20.3  | --  | --  | --  | --  | --   | 490   |
| 12... | 69  | 65  | 17.0  | 14.0  | 19  | .02   | .3  | <.020   | 2.9  | 140   |
| NOV   |   |   |   |   |   |   |   |   |  |   |
| 16... | 62  | 59  | 15.0  | 12.5  | 16  | .06   | .2  | <.020   | 2.7  | --  |
| DEC   |   |   |   |   |   |   |   |   |  |   |
| 12... | 61  | 58  | 16.0  | 11.0  | 15  | .03   | .3  | <.020   | 2.6  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349500 FLINT RIVER AT MONTEZUMA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|--|--|--|---|---|--|--|
| FEB<br>23... | 1000 | 81213   | 1760  | 10.4  | 95   | 6.7  | 53   | 16.0  | 12.0  | 2.8  | 1.1  |
| JUN<br>14... | 0945 | 81213   | 469   | 7.9   | 97   | 7.4  | 62   | 33.0  | 26.0  | 2.3  | 1.0  |
| NOV<br>16... | 1145 | 81213   | 1090  | 9.9   | 94   | 7.1  | 59   | 15.0  | 12.5  | 2.7  | 1.2  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| FEB<br>23... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 2.1  |
| JUN<br>14... | <1.0  | 2.9  | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 1.6  |
| NOV<br>16... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349600 BEAVER CREEK AT GEORGIA HIGHWAYS 26 AND 90,  
AT MONTEZUMA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°17'45", long 84°01'54", Macon County, Hydrologic Unit 03130006, at bridge on Georgia Highways 26 and 90, 0.8 mile upstream from confluence with the Flint River, and 1.5 miles east of Oglethorpe.

**DRAINAGE AREA.**--39.0 mi<sup>2</sup>

**PERIOD OF RECORD.**--January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) |
|-------|------|---|---|---|--|---|---|---|--|--|---|---|---|
| FEB   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 03... | 1210 | 81213   | 27  | 7.0   | 12   | 11                                      | 12.1  | 96.7  | 6.8  | 5.9  | 125   | 148   | 13.0  |
| 24... | 1210 | 81213   | 22  | 1.1   | 5  | 5.9                                     | 10.6  | 104   | 6.9  | 6.8  | 83  | 84  | 23.0  |
| MAR   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 02... | 1120 | 81213   | 23  | --  | --   | --                                      | 10.3  | 103   | 6.9  | --   | --  | 80  | 23.0  |
| 09... | 1115 | 81213   | 20  | --  | --   | --                                      | 9.5   | 96.9  | 7.0  | --   | --  | 83  | 19.0  |
| 16... | 1320 | 81213   | 23  | 1.2   | 34   | 26                                      | 8.4   | 87.2  | 6.8  | 6.7  | 72  | 72  | 21.0  |
| APR   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 20... | 0905 | 81213   | 18  | .8  | 11   | 11                                      | 9.4   | 97.9  | 7.0  | 7.0  | 87  | 83  | 22.0  |
| MAY   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 18... | 1220 | 81213   | 13  | .7  | 8  | 7.2                                     | 9.5   | 112   | 7.1  | 7.0  | 110   | 108   | 32.0  |
| 25... | 1050 | 81213   | 13  | --  | --   | --                                      | 8.1   | 99.2  | 7.2  | --   | --  | 96  | 32.0  |
| JUN   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 08... | 0945 | 81213   | 13  | --  | --   | --                                      | 8.7   | 96.0  | 7.3  | --   | --  | 95  | 24.0  |
| 14... | 1135 | 81213   | 12  | .8  | 7  | 7.9                                     | 8.3   | 102   | 7.3  | 7.7  | 104   | 103   | 37.0  |
| JUL   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 13... | 1130 | 81213   | 16  | 1.2   | 15   | 19                                      | 7.6   | 92.4  | 7.0  | 7.2  | 100   | 99  | 31.0  |
| AUG   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 17... | 1200 | 81213   | 12  | 1.3   | 6  | 5.7                                     | 8.4   | 104   | 7.3  | 7.4  | 103   | 101   | 36.0  |
| 31... | 1020 | 81213   | 14  | --  | --   | --                                      | 7.8   | 92.1  | 7.0  | --   | --  | 93  | 22.5  |
| SEP   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 07... | 1050 | 81213   | 29  | --  | --   | --                                      | 8.0   | 89.3  | 7.1  | --   | --  | 71  | 20.5  |
| 13... | 0805 | 81213   | 15  | .7  | 14   | 11                                      | 8.2   | 91.2  | 6.9  | 7.2  | 93  | 94  | 20.8  |
| 21... | 1000 | 81213   | 9.8   | --  | --   | --                                      | 8.6   | 100   | 7.1  | --   | --  | 87  | 28.0  |
| OCT   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 05... | 0715 | 81213   | 14  | --  | --   | --                                      | 8.7   | 91.4  | 7.2  | --   | --  | 98  | 17.1  |
| 12... | 1110 | 81213   | 14  | .4  | 4  | 5.5                                     | 10.1  | 94.5  | 7.1  | 7.0  | 95  | 93  | 22.0  |
| NOV   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 16... | 1240 | 81213   | 17  | .8  | 6  | 8.0                                     | 10.3  | 96.4  | 7.2  | 6.9  | 88  | 86  | 15.0  |
| DEC   |      |   |   |   |  |   |   |   |  |  |   |   |   |
| 12... | 1120 | 81213   | 20  | .7  | 6  | 6.1                                     | 9.7   | 90.2  | 7.1  | 6.8  | 85  | 82  | 17.0  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349600 BEAVER CREEK AT GEORGIA HIGHWAYS 26 AND 90,  
AT MONTEZUMA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|--|---|---|---|--|---|
| FEB   |  |  |   |   |   |  |   |
| 03... | 5.5                                    | 10   | 4.80  | 2.3   | .260  | 4.7  | --  |
| 24... | 14.5                                   | 13   | .08   | 2.8   | <.020   | 2.2  | 490   |
| MAR   |  |  |   |   |   |  |   |
| 02... | 15.0                                   | --   | --  | --  | --  | --   | 70  |
| 09... | 16.0                                   | --   | --  | --  | --  | --   | 24000   |
| 16... | 16.5                                   | 13   | .14   | 2.1   | .090  | 3.4  | 790   |
| APR   |  |  |   |   |   |  |   |
| 20... | 17.0                                   | 15   | .09   | 3.0   | .020  | 2.4  | --  |
| MAY   |  |  |   |   |   |  |   |
| 18... | 23.5                                   | 15   | .09   | 4.8   | .030  | 2.2  | 790   |
| 25... | 25.0                                   | --   | --  | --  | --  | --   | 80  |
| JUN   |  |  |   |   |   |  |   |
| 08... | 20.0                                   | --   | --  | --  | --  | --   | 790   |
| 14... | 26.0                                   | 16   | .22   | 3.9   | .030  | 2.4  | 790   |
| JUL   |  |  |   |   |   |  |   |
| 13... | 24.7                                   | 18   | .08   | 3.3   | .050  | 3.2  | 1700  |
| AUG   |  |  |   |   |   |  |   |
| 17... | 26.0                                   | 18   | .06   | 3.7   | <.020   | 2.3  | 16000   |
| 31... | 23.0                                   | --   | --  | --  | --  | --   | 1100  |
| SEP   |  |  |   |   |   |  |   |
| 07... | 20.5                                   | --   | --  | --  | --  | --   | 700   |
| 13... | 20.8                                   | 17   | .08   | 2.6   | .030  | 2.4  | E1100   |
| 21... | 22.5                                   | --   | --  | --  | --  | --   | <20   |
| OCT   |  |  |   |   |   |  |   |
| 05... | 18.0                                   | --   | --  | --  | --  | --   | 2800  |
| 12... | 12.5                                   | 14   | .12   | 3.6   | <.020   | 2.7  | 2400  |
| NOV   |  |  |   |   |   |  |   |
| 16... | 12.0                                   | 14   | .12   | 2.7   | .020  | 3.0  | --  |
| DEC   |  |  |   |   |   |  |   |
| 12... | 12.0                                   | 12   | .10   | 2.8   | <.020   | 2.6  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349600 BEAVER CREEK AT GEORGIA HIGHWAYS 26 AND 90,  
AT MONTEZUMA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE NUMBER (CODE NUMBER) (00028) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (MG/L) (00301) | PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400) | SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095) | TEMPER-ATURE AIR (DEG C) (00020) | TEMPER-ATURE WATER (DEG C) (00010) | CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916) | MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927) | ANTI-MONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) |
|-----------|------|---|---|--|--|--|---|----------------------------------|------------------------------------|---|---|---------------------------------------|------------------------------------|
| JUN 14... | 1135 | 81213   | 12  | 8.3  | 102  | 7.3  | 103                                     | 37.0                             | 26.0                               | 5.9   | 3.0   | <1.0                                  | <2.0                               |
| NOV 16... | 1240 | 81213   | 17  | 10.3   | 96.4   | 7.2  | 86                                      | 15.0                             | 12.0                               | 4.8   | 2.8   | <1.0                                  | <4.0                               |

| DATE      | CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | THAL-IUM, TOTAL (UG/L AS TL) (01059) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) |
|-----------|--|--|---|---|---|---|---------------------------------------|--------------------------------------|---|
| JUN 14... | <.5  | <1.0   | <1.0  | <1.0  | <.1   | <1.0  | <2.0                                  | <2.0                                 | 2.1   |
| NOV 16... | <.5  | <1.0   | <2.0  | <2.0  | <.1   | <1.0  | <4.0                                  | <2.0                                 | <2.0  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349640 CAMP CREEK NEAR OGLETHORPE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 32°13'27", long 84°06'00", Macon County, Hydrologic Unit 03130006, at bridge on Georgia Highway 49, 1.5 miles above mouth, and 2.7 miles south of Oglethorpe.

**DRAINAGE AREA.--**54.2 mi<sup>2</sup>.

**PERIOD OF RECORD.--**April 1995 to November 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|--|---|--|--|
| FEB   |      |   |   |   |   |   |  |   |  |  |
| 03... | 1020 | 81213   | 52  | .5  | 5   | 4.1                                     | 12.6   | 97  | 6.2  | 6.4  |
| 24... | 1010 | 81213   | 39  | 1.0   | 5   | 4.4                                     | 11.0   | 100   | 6.4  | 6.7  |
| MAR   |      |   |   |   |   |   |  |   |  |  |
| 02... | 1000 | 81213   | 40  | --  | --  | --                                      | 10.3   | 97  | 6.5  | --   |
| 09... | 1010 | 81213   | 33  | --  | --  | --                                      | 9.2  | 90  | 6.5  | --   |
| 16... | 1045 | 81213   | 55  | .4  | 15  | 13                                      | 9.3  | 93  | 6.2  | 6.4  |
| APR   |      |   |   |   |   |   |  |   |  |  |
| 20... | 1200 | 81213   | 36  | .6  | 8   | 8.5                                     | 9.0  | 94  | 6.8  | 6.6  |
| MAY   |      |   |   |   |   |   |  |   |  |  |
| 18... | 0940 | 81213   | <11   | .8  | 10  | 13                                      | 8.4  | 92  | 6.7  | 6.6  |
| 25... | 0910 | 81213   | <11   | --  | --  | --                                      | 8.4  | 99  | 6.7  | --   |
| JUN   |      |   |   |   |   |   |  |   |  |  |
| 08... | 0815 | 81213   | <11   | --  | --  | --                                      | 9.0  | 96  | 6.8  | --   |
| 14... | 0745 | 81213   | <11   | 1.1   | 7   | 12                                      | 6.7  | 77  | 6.4  | 6.7  |
| JUL   |      |   |   |   |   |   |  |   |  |  |
| 13... | 0700 | 81213   | 27  | .9  | 31  | 25                                      | 7.3  | 87  | 6.8  | 5.8  |
| AUG   |      |   |   |   |   |   |  |   |  |  |
| 17... | 0915 | 81213   | <11   | 1.5   | 5   | 9.1                                     | 8.2  | 95  | 6.8  | 6.8  |
| 31... | 0830 | 81213   | <11   | --  | --  | --                                      | 8.2  | 96  | 6.6  | --   |
| SEP   |      |   |   |   |   |   |  |   |  |  |
| 07... | 0900 | 81213   | 61  | --  | --  | --                                      | 7.9  | 88  | 6.1  | --   |
| 13... | 1030 | 81213   | <11   | 1.2   | 8   | 7.2                                     | 8.2  | 91  | 6.8  | 6.5  |
| 21... | 0745 | 81213   | <11   | --  | --  | --                                      | 8.0  | 91  | 6.4  | --   |
| OCT   |      |   |   |   |   |   |  |   |  |  |
| 05... | 0945 | 81213   | <11   | --  | --  | --                                      | 8.3  | 87  | 6.6  | --   |
| 12... | 0800 | 81213   | <11   | .2  | 3   | 4.6                                     | 9.9  | 88  | 6.4  | 6.6  |
| NOV   |      |   |   |   |   |   |  |   |  |  |
| 16... | 0950 | 81213   | 22  | .8  | 9   | 6.6                                     | 10.2   | 90  | 6.4  | 6.5  |
| DEC   |      |   |   |   |   |   |  |   |  |  |
| 12... | 0920 | 81213   | 28  | .5  | 3   | <.1                                     | 9.7  | 89  | 6.6  | 6.4  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349640 CAMP CREEK NEAR OGLETHORPE, GA-Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 03... | 36  | 36  | 8.5   | 4.0   | 8  | .08   | .3  | <.020   | 1.7  | --  |
| 24... | 33  | 33  | 17.0  | 11.0  | 9  | .04   | .2  | <.020   | 1.9  | 20  |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 02... | --  | 33  | 16.5  | 12.5  | --   | --  | --  | --  | --   | 80  |
| 09... | --  | 33  | 16.0  | 14.0  | --   | --  | --  | --  | --   | 50  |
| 16... | 34  | 33  | 22.0  | 15.0  | 8  | .06   | .2  | <.020   | 2.6  | 50  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 20... | 33  | 29  | 29.0  | 17.0  | 9  | .19   | .2  | <.020   | 2.3  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 18... | 23  | 23  | 26.0  | 19.5  | 7  | .08   | .3  | .020  | 2.3  | 170   |
| 25... | --  | 24  | 28.0  | 23.0  | --   | --  | --  | --  | --   | 50  |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 08... | --  | 30  | 18.5  | 18.5  | --   | --  | --  | --  | --   | 80  |
| 14... | 27  | 29  | 26.0  | 22.5  | 6  | .07   | .2  | <.020   | 2.4  | 220   |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 13... | 26  | 28  | 25.0  | 23.5  | 3  | .07   | .2  | .030  | 2.7  | 3300  |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 17... | 25  | 22  | 29.0  | 22.0  | 8  | .06   | .2  | <.020   | 1.6  | 50  |
| 31... | --  | 23  | 23.0  | 22.5  | --   | --  | --  | --  | --   | 210   |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 07... | --  | 34  | 18.5  | 20.0  | --   | --  | --  | --  | --   | 170   |
| 13... | 33  | 34  | 26.4  | 20.4  | 6  | .08   | .2  | <.020   | 2.8  | E220  |
| 21... | --  | 25  | 26.0  | 21.0  | --   | --  | --  | --  | --   | <20   |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 05... | --  | 29  | 22.9  | 17.5  | --   | --  | --  | --  | --   | 50  |
| 12... | 27  | 24  | 5.0   | 10.0  | 6  | .03   | .2  | <.020   | 2.9  | 230   |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 16... | 32  | 29  | 12.0  | 9.5   | 6  | .08   | .1  | <.020   | 2.9  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 12... | 35  | 31  | 14.0  | 11.5  | 6  | .05   | .2  | <.020   | 2.5  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349640 CAMP CREEK NEAR OGLETHORPE, GA-Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|--|--|--|---|---|---|---|
| JUN<br>14... | 0745 | 81213   | <11   | 6.7   | 77   | 6.4  | 29   | 26.0  | 22.5  | 1.7   | .7  |
| NOV<br>16... | 0950 | 81213   | 22  | 10.2  | 90   | 6.4  | 29   | 12.0  | 9.5   | 1.9   | .9  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| JUN<br>14... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 3.3  |
| NOV<br>16... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349740 HOGCRAWL CREEK AT MACON-DOOLY COUNTY ROAD S-533,  
NEAR MONTEZUMA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 32°13'02", long 83°59'30", Macon-Dooly County line, Hydrologic Unit 03130006, at bridge on Macon-Dooly County Road S-533, 6.2 miles upstream from confluence with the Flint River, and 5.3 miles southeast of Montezuma.

**DRAINAGE AREA.--**83.3 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>TUR-<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) |
|-------|------|---|---|---|--|---|--|---|--|--|---|---|---|
| FEB   |      |   |   |   |  |   |  |   |  |  |   |   |   |
| 03... | 1340 | 81213   | 70  | .6  | <1   | 9.0                                     | 10.9   | 94.0  | 6.8  | 7.2  | 93  | 93  | 15.0  |
| 24... | 1345 | 81213   | 20  | .6  | 4  | 4.2                                     | 9.9  | 98.2  | 6.9  | 7.3  | 99  | 100   | 25.0  |
| MAR   |      |   |   |   |  |   |  |   |  |  |   |   |   |
| 02... | 1335 | 81213   | 51  | --  | --   | --                                      | 9.5  | 97.0  | 7.2  | --   | --  | 100   | 24.0  |
| 09... | 1310 | 81213   | 39  | --  | --   | --                                      | 8.7  | 90.8  | 7.2  | --   | --  | 102   | 25.0  |
| 16... | 1400 | 81213   | 70  | .8  | 7  | 9.1                                     | 8.2  | 85.2  | 6.8  | 7.2  | 92  | 93  | 22.0  |
| APR   |      |   |   |   |  |   |  |   |  |  |   |   |   |
| 20... | 0820 | 81213   | 44  | .8  | 10   | 12                                      | 8.2  | 85.4  | 7.0  | 7.3  | 100   | 96  | 19.0  |
| MAY   |      |   |   |   |  |   |  |   |  |  |   |   |   |
| 18... | 1305 | 81213   | 22  | .6  | 5  | 4.0                                     | 8.6  | 96.6  | 7.2  | 7.2  | 95  | 92  | 32.0  |
| 25... | 1135 | 81213   | 19  | --  | --   | --                                      | 7.6  | 89.6  | 7.2  | --   | --  | 95  | 35.0  |
| JUN   |      |   |   |   |  |   |  |   |  |  |   |   |   |
| 08... | 1115 | 81213   | 20  | --  | --   | --                                      | 8.6  | 94.9  | 7.2  | --   | --  | 95  | 26.0  |
| 14... | 1230 | 81213   | 15  | .7  | 4  | 4.0                                     | 7.7  | 89.6  | 7.5  | 7.7  | 94  | 93  | 36.0  |
| JUL   |      |   |   |   |  |   |  |   |  |  |   |   |   |
| 13... | 1230 | 81213   | 30  | .7  | 13   | 21                                      | 7.2  | 84.5  | 7.0  | 7.5  | 94  | 92  | 32.0  |
| AUG   |      |   |   |   |  |   |  |   |  |  |   |   |   |
| 17... | 1250 | 81213   | 12  | 1.3   | 4  | 3.7                                     | 7.3  | 86.6  | 7.2  | 7.5  | 92  | 90  | 36.5  |
| 31... | 1110 | 81213   | 13  | --  | --   | --                                      | 7.1  | 82.2  | 7.0  | --   | --  | 89  | 23.0  |
| SEP   |      |   |   |   |  |   |  |   |  |  |   |   |   |
| 07... | 1130 | 81213   | 22  | --  | --   | --                                      | 7.3  | 80.6  | 7.2  | --   | --  | 93  | 21.0  |
| 13... | 1300 | 81213   | 13  | 1.2   | 4  | 3.3                                     | 8.3  | 93.6  | 7.1  | 7.4  | 98  | 99  | 34.4  |
| 21... | 1230 | 81213   | 20  | --  | --   | --                                      | 7.7  | 86.1  | 7.0  | --   | --  | 89  | 28.5  |
| OCT   |      |   |   |   |  |   |  |   |  |  |   |   |   |
| 05... | 1040 | 81213   | 17  | --  | --   | --                                      | 8.3  | 88.4  | 7.0  | --   | --  | 95  | 30.2  |
| 12... | 1200 | 81213   | 18  | .1  | 2  | 2.2                                     | 9.2  | 86.9  | 7.1  | 7.4  | 94  | 92  | 23.0  |
| NOV   |      |   |   |   |  |   |  |   |  |  |   |   |   |
| 16... | 1415 | 81213   | 25  | 2.0   | 3  | 2.9                                     | 9.2  | 87.6  | 7.2  | 7.5  | 98  | 97  | 16.0  |
| DEC   |      |   |   |   |  |   |  |   |  |  |   |   |   |
| 12... | 1235 | 81213   | 29  | .4  | 2  | 2.6                                     | 8.4  | 80.8  | 7.2  | 7.2  | 106   | 103   | 17.0  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349740 HOGCRAWL CREEK AT MACON-DOOLY COUNTY ROAD S-533,  
NEAR MONTEZUMA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE       | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC   | NITRO-  | NITRO-  | PHOS-  | CARBON,                                       | COLI-  |
|------------|---|---|---|---|--|---|--|
|            |   | UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
| <b>FEB</b> |   |   |   |   |  |   |  |
| 03...      | 8.5   | 24  | .09   | 1.4   | <.020  | 2.3   | --   |
| 24...      | 15.0  | 31  | .03   | 1.4   | <.020  | 2.1   | 80   |
| <b>MAR</b> |   |   |   |   |  |   |  |
| 02...      | 16.0  | --  | --  | --  | --   | --  | 80   |
| 09...      | 17.0  | --  | --  | --  | --   | --  | 490  |
| 16...      | 16.5  | 28  | .06   | 1.2   | .040   | 2.7   | 2800   |
| <b>APR</b> |   |   |   |   |  |   |  |
| 20...      | 17.0  | 32  | .08   | 1.5   | <.020  | 1.8   | --   |
| <b>MAY</b> |   |   |   |   |  |   |  |
| 18...      | 21.0  | 32  | .05   | 1.8   | <.020  | .90   | 20   |
| 25...      | 23.0  | --  | --  | --  | --   | --  | 40   |
| <b>JUN</b> |   |   |   |   |  |   |  |
| 08...      | 20.0  | --  | --  | --  | --   | --  | 70   |
| 14...      | 23.0  | 31  | .06   | 1.9   | <.020  | 1.1   | 50   |
| <b>JUL</b> |   |   |   |   |  |   |  |
| 13...      | 22.8  | 33  | .05   | 1.5   | .040   | 2.1   | 5400   |
| <b>AUG</b> |   |   |   |   |  |   |  |
| 17...      | 23.5  | 30  | .06   | 1.8   | <.020  | .80   | 140  |
| 31...      | 22.0  | --  | --  | --  | --   | --  | 310  |
| <b>SEP</b> |   |   |   |   |  |   |  |
| 07...      | 20.0  | --  | --  | --  | --   | --  | 230  |
| 13...      | 21.1  | 31  | .06   | 1.7   | <.020  | 1.6   | E130   |
| 21...      | 20.5  | --  | --  | --  | --   | --  | <20  |
| <b>OCT</b> |   |   |   |   |  |   |  |
| 05...      | 18.4  | --  | --  | --  | --   | --  | 130  |
| 12...      | 13.0  | 28  | .01   | 2.0   | <.020  | 1.9   | 170  |
| <b>NOV</b> |   |   |   |   |  |   |  |
| 16...      | 12.8  | 28  | .06   | 1.6   | <.020  | 2.3   | --   |
| <b>DEC</b> |   |   |   |   |  |   |  |
| 12...      | 13.5  | 29  | .05   | 1.6   | <.020  | 2.0   | --   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349740 HOGCRAWL CREEK AT MACON-DOOLY COUNTY ROAD S-533,  
NEAR MONTEZUMA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>NUMBER<br>(CODE<br>NUMBER) | DIS-CHARGE,<br>INST. CUBIC<br>FEET PER<br>SECOND |         | OXYGEN,<br>DIS-SOLVED<br>(PER-CENT<br>SATUR-<br>ATION) |         | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS) |         | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM) |         | TEMPER-<br>ATURE<br>AIR<br>(DEG C) |         | TEMPER-<br>ATURE<br>WATER<br>(DEG C) |         | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA) |  | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG) |  | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB) |  | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS) |  |
|--------------|------|---|--|---------|--|---------|---|---------|---|---------|------------------------------------|---------|--------------------------------------|---------|---|--|---|--|--|--|-------------------------------------|--|
|              |      |   | (00028)  | (00061) | (00300)  | (00301) | (00400)   | (00095) | (00020)   | (00010) | (00916)                            | (00927) | (01097)                              | (01002) |   |  |   |  |  |  |                                     |  |
| JUN<br>14... | 1230 | 81213   | 15   | 7.7     | 89.6   | 7.5     | 93  | 36.0    | 23.0  | 12      | 1.4                                | <1.0    | <2.0                                 |         |   |  |   |  |  |  |                                     |  |
| NOV<br>16... | 1415 | 81213   | 25   | 9.2     | 87.6   | 7.2     | 97  | 16.0    | 12.8  | 12      | 1.8                                | <1.0    | <4.0                                 |         |   |  |   |  |  |  |                                     |  |

| DATE         | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD) |         | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR) |         | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU) |         | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB) |         | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG) |  | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI) |  | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE) |  | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL) |  | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN) |  |
|--------------|---|---------|--|---------|---|---------|---|---------|---|--|---|--|--|--|--|--|---|--|
|              | (01027)   | (01034) | (01042)  | (01051) | (71900)   | (01067) | (01147)   | (01059) | (01092)   |  |   |  |  |  |  |  |   |  |
| JUN<br>14... | <.5   | <1.0    | <1.0   | <1.0    | <.1   | <1.0    | <2.0  | <2.0    | 3.2   |  |   |  |  |  |  |  |   |  |
| NOV<br>16... | <.5   | <1.0    | <2.0   | <2.0    | <.1   | <1.0    | <4.0  | <2.0    | 2.0   |  |   |  |  |  |  |  |   |  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349958 PENNAHATCHEE CREEK AT DOOLY COUNTY ROAD 61,  
NEAR DRAYTON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°05'43", long 83°55'04", Dooly County, Hydrologic Unit 03130006, at bridge on County Road 61, 1.6 miles upstream from confluence with Turkey Creek, 0.2 mile downstream from Lilly Branch, and 3.1 miles northeast of Drayton.

**DRAINAGE AREA.**--102 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) |
|-------|------|---|---|--|---|---|---|--|--|---|
| FEB   |      |   |   |  |   |   |   |  |  |   |
| 07... | 0820 | 81213   | --  | 4  | 5.9                                     | 10.5  | 87  | 6.9  | 7.4  | 152   |
| 23... | 0940 | 81213   | .7  | 5  | 8.2                                     | 9.3   | 86  | 6.9  | 7.5  | 159   |
| MAR   |      |   |   |  |   |   |   |  |  |   |
| 01... | 1000 | 81213   | --  | --   | --                                      | 8.1   | 80  | 7.1  | --   | --  |
| 08... | 0955 | 81213   | --  | --   | --                                      | 8.9   | 90  | 7.4  | --   | --  |
| 15... | 1000 | 81213   | 1.3   | 5  | 5.1                                     | 9.0   | 89  | 7.0  | 7.5  | 163   |
| APR   |      |   |   |  |   |   |   |  |  |   |
| 19... | 0830 | 81213   | 1.1   | 10   | 11                                      | 7.2   | 76  | 7.4  | 7.5  | 156   |
| MAY   |      |   |   |  |   |   |   |  |  |   |
| 17... | 0900 | 81213   | 1.0   | 5  | 3.6                                     | 7.7   | 86  | 7.7  | 7.8  | 215   |
| 24... | 0850 | 81213   | --  | --   | --                                      | 7.3   | 85  | 7.6  | --   | --  |
| JUN   |      |   |   |  |   |   |   |  |  |   |
| 07... | 0735 | 81213   | --  | --   | --                                      | 7.2   | 80  | 7.8  | --   | --  |
| 15... | 0720 | 81213   | 1.9   | 13   | 3.7                                     | 6.3   | 74  | 7.8  | 8.1  | 233   |
| JUL   |      |   |   |  |   |   |   |  |  |   |
| 12... | 0730 | 81213   | 1.0   | 24   | 14                                      | 6.7   | 80  | 7.6  | 7.9  | 254   |
| AUG   |      |   |   |  |   |   |   |  |  |   |
| 16... | 0855 | 81213   | .7  | 3  | 3.4                                     | 6.9   | 82  | 7.8  | 7.9  | 240   |
| 30... | 0850 | 81213   | --  | --   | --                                      | 6.3   | 74  | 7.4  | --   | --  |
| SEP   |      |   |   |  |   |   |   |  |  |   |
| 06... | 0820 | 81213   | --  | --   | --                                      | 6.2   | 86  | 7.6  | --   | --  |
| 12... | 1305 | 81213   | .8  | 5  | 2.7                                     | 8.1   | 97  | 7.9  | 8.1  | 294   |
| 19... | 0750 | 81213   | --  | --   | --                                      | 6.9   | 73  | 7.8  | --   | --  |
| OCT   |      |   |   |  |   |   |   |  |  |   |
| 04... | 1145 | 81213   | --  | --   | --                                      | 8.9   | 96  | 7.9  | --   | --  |
| 11... | 0930 | 81213   | .3  | 2  | 1.3                                     | 9.4   | 87  | 7.9  | 8.0  | 282   |
| NOV   |      |   |   |  |   |   |   |  |  |   |
| 15... | 0950 | 81213   | .8  | 2  | 1.7                                     | 8.4   | 78  | 7.8  | 8.0  | 276   |
| DEC   |      |   |   |  |   |   |   |  |  |   |
| 11... | 0930 | 81213   | .8  | 1  | 2.4                                     | 8.0   | 72  | 7.8  | 7.7  | 287   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349958 PENNAHATCHEE CREEK AT DOOLY COUNTY ROAD 61,  
NEAR DRAYTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|---|---|--|--|--|---|--|---|
| FEB   |  |   |   |  |  |  |   |  |   |
| 07... | 155  | .0  | 7.0   | 41   | .12  | 1.8  | .030  | 3.0  | --  |
| 23... | 161  | 11.5  | 12.0  | 48   | .04  | 1.0  | .040  | 3.6  | 40  |
| MAR   |  |   |   |  |  |  |   |  |   |
| 01... | 162  | 14.0  | 14.5  | --   | --   | --   | --  | --   | 330   |
| 08... | 152  | 18.0  | 16.0  | --   | --   | --   | --  | --   | <20   |
| 15... | 166  | 17.0  | 14.5  | 51   | .04  | .6   | .040  | 4.1  | 50  |
| APR   |  |   |   |  |  |  |   |  |   |
| 19... | 152  | 14.0  | 17.5  | 51   | .06  | 1.3  | .060  | 3.3  | --  |
| MAY   |  |   |   |  |  |  |   |  |   |
| 17... | 216  | 24.5  | 20.5  | 95   | .07  | 1.4  | <.020   | 1.5  | 330   |
| 24... | 228  | 26.0  | 22.5  | --   | --   | --   | --  | --   | 110   |
| JUN   |  |   |   |  |  |  |   |  |   |
| 07... | 237  | 17.0  | 20.5  | --   | --   | --   | --  | --   | 230   |
| 15... | 237  | 24.0  | 23.5  | 105  | .09  | 1.0  | .050  | 2.4  | 170   |
| JUL   |  |   |   |  |  |  |   |  |   |
| 12... | 257  | 24.0  | 24.0  | 109  | .07  | 1.1  | .070  | 1.9  | 130   |
| AUG   |  |   |   |  |  |  |   |  |   |
| 16... | 243  | 26.0  | 23.5  | 103  | .08  | .6   | .030  | 1.9  | 20  |
| 30... | 275  | 24.5  | 23.0  | --   | --   | --   | --  | --   | 40  |
| SEP   |  |   |   |  |  |  |   |  |   |
| 06... | 230  | 18.0  | 32.0  | --   | --   | --   | --  | --   | E460  |
| 12... | 299  | 29.4  | 24.1  | 93   | .05  | .9   | .030  | 2.1  | 20  |
| 19... | 296  | 20.0  | 18.0  | --   | --   | --   | --  | --   | 140   |
| OCT   |  |   |   |  |  |  |   |  |   |
| 04... | 271  | 25.6  | 19.3  | --   | --   | --   | --  | --   | <20   |
| 11... | 284  | 14.5  | 12.0  | 108  | .07  | 1.4  | <.020   | 2.3  | 170   |
| NOV   |  |   |   |  |  |  |   |  |   |
| 15... | 268  | 9.0   | 12.0  | 115  | .08  | .7   | .020  | 2.4  | --  |
| DEC   |  |   |   |  |  |  |   |  |   |
| 11... | 290  | 8.0   | 10.5  | 99   | .02  | .7   | <.020   | 2.9  | --  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349958 PENNAHATCHEE CREEK AT DOOLY COUNTY ROAD 61,  
NEAR DRAYTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) |
|--------------|------|---|---|---|--|--|---|---|--|--|---|
| JUN<br>15... | 0720 | 81213   | 6.3   | 74  | 7.8  | 237  | 24.0  | 23.5  | 43   | 1.2  | <1.0  |
| NOV<br>15... | 0950 | 81213   | 8.4   | 78  | 7.8  | 268  | 9.0   | 12.0  | 45   | 1.4  | <1.0  |

| DATE         | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|--|--|---|--|--|--|--|---|---|--|
| JUN<br>15... | 4.1  | <.5  | <1.0  | <1.0   | 2.8  | <.1  | <1.0   | 2.3   | <2.0  | 2.7  |
| NOV<br>15... | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349985 TURKEY CREEK AT DRAYTON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°04'37", long 83°57'25", Dooly County, Hydrologic Unit 03130006, at bridge on Georgia Highway 230, 1.5 miles above mouth, at Drayton.

**DRAINAGE AREA.**--185 mi<sup>2</sup>.

**PERIOD OF RECORD.**--April 1995 to December 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|---|---|--|
| FEB   |      |   |   |   |   |   |   |   |   |  |
| 07... | 0910 | 81213   | 88  | --  | 3   | 6.0                                     | 10.5  | 85  | 6.9   | 7.6  |
| 23... | 1030 | 81213   | 65  | .8  | 5   | 7.9                                     | 9.1   | 83  | 7.0   | 7.5  |
| MAR   |      |   |   |   |   |   |   |   |   |  |
| 01... | 1045 | 81213   | 95  | --  | --  | --                                      | 8.5   | 84  | 7.2   | --   |
| 08... | 1035 | 81213   | 77  | --  | --  | --                                      | 8.4   | 84  | 7.4   | --   |
| 15... | 1045 | 81213   | 72  | 1.1   | 6   | 8.6                                     | 8.9   | 87  | 7.1   | 7.4  |
| APR   |      |   |   |   |   |   |   |   |   |  |
| 19... | 0920 | 81213   | 70  | 1.0   | 11  | 13                                      | 7.8   | 82  | 7.4   | 7.6  |
| MAY   |      |   |   |   |   |   |   |   |   |  |
| 17... | 1000 | 81213   | 48  | 1.4   | 6   | 4.1                                     | 7.2   | 81  | 7.6   | 7.6  |
| 24... | 0920 | 81213   | 68  | --  | --  | --                                      | 6.8   | 80  | 7.5   | --   |
| JUN   |      |   |   |   |   |   |   |   |   |  |
| 07... | 0820 | 81213   | 55  | --  | --  | --                                      | 6.7   | 77  | 7.6   | --   |
| 15... | 0830 | 81213   | 43  | 1.0   | 4   | 3.0                                     | 5.7   | 68  | 7.7   | 7.7  |
| JUL   |      |   |   |   |   |   |   |   |   |  |
| 12... | 0830 | 81213   | 45  | 1.2   | 58  | 91                                      | 5.2   | 63  | 7.4   | 7.5  |
| AUG   |      |   |   |   |   |   |   |   |   |  |
| 16... | 0940 | 81213   | 26  | .6  | 7   | 8.9                                     | 6.6   | 79  | 7.4   | 7.7  |
| 30... | 0920 | 81213   | 16  | --  | --  | --                                      | 6.0   | 72  | 7.1   | --   |
| SEP   |      |   |   |   |   |   |   |   |   |  |
| 06... | 0850 | 81213   | 35  | --  | --  | --                                      | 6.4   | 75  | 7.5   | --   |
| 12... | 1215 | 81213   | 34  | .8  | 13  | 8.8                                     | 7.2   | 83  | 7.5   | 7.7  |
| 19... | 0830 | 81213   | 26  | --  | --  | --                                      | 7.8   | 83  | 7.5   | --   |
| OCT   |      |   |   |   |   |   |   |   |   |  |
| 04... | 1100 | 81213   | 43  | --  | --  | --                                      | 7.9   | 85  | 7.6   | --   |
| 11... | 1015 | 81213   | 34  | .4  | 2   | 3.1                                     | 9.0   | 84  | 7.8   | 7.8  |
| NOV   |      |   |   |   |   |   |   |   |   |  |
| 15... | 1040 | 81213   | 1.7   | .7  | 4   | 4.5                                     | 8.3   | 78  | 7.8   | 7.8  |
| DEC   |      |   |   |   |   |   |   |   |   |  |
| 11... | 1030 | 81213   | 2.5   | 1.0   | 4   | 2.4                                     | 9.3   | 85  | 7.7   | 7.7  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349985 TURKEY CREEK AT DRAYTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 07... | 118   | 120   | 3.5   | 6.5   | 34   | .07   | 1.2   | .030  | 3.3  | --  |
| 23... | 130   | 131   | 14.5  | 11.5  | 43   | .04   | .6  | .040  | 3.1  | 80  |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 01... | --  | 126   | 15.5  | 14.5  | --   | --  | --  | --  | --   | 130   |
| 08... | --  | 125   | 22.0  | 15.5  | --   | --  | --  | --  | --   | 73  |
| 15... | 126   | 127   | 20.0  | 14.0  | 43   | .04   | .4  | .050  | 3.6  | 20  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 19... | 124   | 121   | 19.0  | 17.5  | 43   | .05   | .7  | .060  | 3.2  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 17... | 149   | 147   | 28.0  | 21.0  | 65   | .06   | .7  | <.020   | 1.4  | 50  |
| 24... | --  | 143   | 28.5  | 23.0  | --   | --  | --  | --  | --   | 20  |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 07... | --  | 133   | 20.0  | 22.0  | --   | --  | --  | --  | --   | 50  |
| 15... | 136   | 136   | 27.0  | 24.5  | 61   | .03   | .5  | .030  | 1.4  | 50  |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 12... | 116   | 114   | 26.0  | 24.5  | 50   | .04   | .5  | .140  | 2.4  | 1700  |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 16... | 120   | 120   | 30.0  | 24.0  | 53   | .06   | .4  | .030  | 1.0  | 230   |
| 30... | --  | 109   | 26.0  | 24.0  | --   | --  | --  | --  | --   | 130   |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 06... | --  | 114   | 18.0  | 22.5  | --   | --  | --  | --  | --   | E490  |
| 12... | 136   | 137   | 29.2  | 22.4  | 52   | .05   | .6  | .030  | 1.7  | 330   |
| 19... | --  | 129   | 20.5  | 18.0  | --   | --  | --  | --  | --   | 130   |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 04... | --  | 155   | 30.3  | 18.4  | --   | --  | --  | --  | --   | <20   |
| 11... | 146   | 144   | 15.0  | 12.5  | 57   | .04   | .6  | <.020   | 1.4  | 230   |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 15... | 136   | 135   | 11.0  | 12.5  | 55   | .06   | .4  | <.020   | 2.3  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 11... | 166   | 164   | 9.0   | 11.0  | 60   | .02   | .6  | <.020   | 2.4  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02349985 TURKEY CREEK AT DRAYTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD)<br>UNITS<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)     | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                    | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |  |
|--------------|------|---|---|---|---|--|--|--|--|--|--|--|
| DATE         |      | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097)             | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002)                        | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027)        | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042)   | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147)              | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059)                      | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
| JUN<br>15... | 0830 |   |   |   |   |  |  |  |  |  |  |  |
| NOV<br>15... | 1040 |   |   |   |   |  |  |  |  |  |  |  |
| JUN<br>15... |      | <1.0  | 3.4   | <.5   | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0   | <2.0   | 1.2  |
| NOV<br>15... |      | <1.0  | <4.0  | <.5   | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0   | <2.0   | <2.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350001 FLINT RIVER NEAR VIENNA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 32°03'38", long 83°58'36", Dooly County, Hydrologic Unit 03130006, at bridge on Georgia Highway 27, 0.2 mile downstream of Turkey Creek, 12.0 miles west of Vienna, and at mile 154.1.

**DRAINAGE AREA.--**3,390 mi<sup>2</sup>.

**PERIOD OF RECORD.--**July 1979 to December 1995, January 2000 to December 2000 (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. Records of discharge for the water years 1927-30 are published in reports of the U.S. Geological Survey.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | GAGE<br>HEIGHT<br>(FEET)<br>(00065) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|-------------------------------------|---|--|---|---|---|--|--|
| FEB   |      |   |                                     |   |  |   |   |   |  |  |
| 07... | 0950 | 81213   | 7.80                                | --  | 15   | 17                                      | 10.7  | 87  | 7.1  | 7.2  |
| 23... | 1125 | 81213   | 7.82                                | .8  | 13   | 17                                      | 9.2   | 87  | 7.0  | 7.2  |
| MAR   |      |   |                                     |   |  |   |   |   |  |  |
| 01... | 1135 | 81213   | 7.92                                | --  | --   | --                                      | 8.7   | 87  | 7.1  | --   |
| 08... | 1100 | 81213   | 8.00                                | --  | --   | --                                      | 9.2   | 96  | 7.2  | --   |
| 15... | 1135 | 81213   | 7.94                                | 1.1   | 18   | 19                                      | 9.2   | 90  | 7.0  | 7.0  |
| APR   |      |   |                                     |   |  |   |   |   |  |  |
| 19... | 1010 | 81213   | 8.02                                | 1.1   | 16   | 16                                      | 7.7   | 84  | 7.1  | 7.1  |
| MAY   |      |   |                                     |   |  |   |   |   |  |  |
| 17... | 1050 | 81213   | 8.20                                | 1.4   | 23   | 20                                      | 6.8   | 82  | 7.2  | 7.2  |
| 24... | 0950 | 81213   | 8.12                                | --  | --   | --                                      | 6.9   | 87  | 7.2  | --   |
| JUN   |      |   |                                     |   |  |   |   |   |  |  |
| 07... | 0900 | 81213   | 7.91                                | --  | --   | --                                      | 5.9   | 73  | 7.2  | --   |
| 15... | 0940 | 81213   | 7.87                                | 1.9   | 9  | 7.6                                     | 7.1   | 92  | 7.4  | 7.2  |
| JUL   |      |   |                                     |   |  |   |   |   |  |  |
| 12... | 0905 | 81213   | 7.80                                | 1.6   | 12   | 12                                      | 6.7   | 89  | 7.4  | 7.3  |
| AUG   |      |   |                                     |   |  |   |   |   |  |  |
| 16... | 1010 | 81213   | 7.71                                | 1.4   | 8  | 9.3                                     | 6.6   | 85  | 7.2  | 7.4  |
| 30... | 0950 | 81213   | 7.06                                | --  | --   | --                                      | 6.0   | 77  | 7.2  | --   |
| SEP   |      |   |                                     |   |  |   |   |   |  |  |
| 06... | 0920 | 81213   | 7.63                                | --  | --   | --                                      | 5.8   | 72  | 7.1  | --   |
| 12... | 1125 | 81213   | 7.53                                | 1.2   | 20   | 18                                      | 6.1   | 75  | 7.4  | 7.1  |
| 19... | 0905 | 81213   | 7.51                                | --  | --   | --                                      | 6.6   | 74  | 7.2  | --   |
| OCT   |      |   |                                     |   |  |   |   |   |  |  |
| 04... | 1020 | 81213   | 7.75                                | --  | --   | --                                      | 6.6   | 76  | 7.2  | --   |
| 11... | 1100 | 81213   | 7.57                                | .5  | 9  | 11                                      | 7.9   | 80  | 7.3  | 7.2  |
| NOV   |      |   |                                     |   |  |   |   |   |  |  |
| 15... | 1150 | 81213   | 4.41                                | 1.4   | 83   | 53                                      | 8.5   | 83  | 7.6  | 6.8  |
| DEC   |      |   |                                     |   |  |   |   |   |  |  |
| 11... | 1100 | 81213   | 4.31                                | .7  | 8  | 9.1                                     | 10.0  | 88  | 7.2  | 7.1  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350001 FLINT RIVER NEAR VIENNA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 07... | 88  | 89   | 8.0   | 6.5   | 18   | .12   | .5  | .040  | 3.3  | --  |
| 23... | 90  | 90   | 17.0  | 13.0  | 22   | .09   | .3  | .050  | 2.5  | 20  |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 01... | --  | 96   | 18.0  | 15.0  | --   | --  | --  | --  | --   | 80  |
| 08... | --  | 88   | 22.0  | 17.5  | --   | --  | --  | --  | --   | 50  |
| 15... | 82  | 82   | 23.0  | 14.5  | 21   | .07   | .2  | .050  | 3.6  | 70  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 19... | 77  | 72   | 20.0  | 19.5  | 22   | .07   | .3  | .030  | 2.9  | --  |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 17... | 107   | 105  | 28.0  | 25.0  | 26   | .12   | .3  | .040  | 3.3  | 80  |
| 24... | --  | 110  | 28.5  | 26.5  | --   | --  | --  | --  | --   | <20   |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 07... | --  | 127  | 21.0  | 26.0  | --   | --  | --  | --  | --   | 20  |
| 15... | 128   | 129  | 28.0  | 29.0  | 31   | .07   | .3  | .050  | 2.6  | <20   |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 12... | 129   | 128  | 29.5  | 29.5  | 32   | .08   | .2  | .070  | 3.0  | 20  |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 16... | 125   | 124  | 30.0  | 28.0  | 26   | .10   | .3  | .040  | 2.3  | 20  |
| 30... | --  | 172  | 27.0  | 27.5  | --   | --  | --  | --  | --   | <20   |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 06... | --  | 110  | 18.0  | 26.0  | --   | --  | --  | --  | --   | E110  |
| 12... | 107   | 108  | 30.1  | 25.2  | 20   | .09   | .4  | .060  | 3.4  | 20  |
| 19... | --  | 127  | 21.5  | 21.0  | --   | --  | --  | --  | --   | <20   |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 04... | --  | 119  | 27.8  | 22.2  | --   | --  | --  | --  | --   | <20   |
| 11... | 104   | 102  | 16.0  | 16.0  | 24   | .18   | .3  | <.020   | 3.3  | 20  |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 15... | 107   | 104  | 16.0  | 14.0  | 24   | .11   | .3  | .110  | 4.0  | --  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 11... | 96  | 93   | 9.0   | 9.5   | 22   | .10   | .4  | <.020   | 3.0  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350001 FLINT RIVER NEAR VIENNA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | GAGE<br>HEIGHT<br>(FEET)<br>(00065) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|-------------------------------------|--|---|--|--|---|---|--|--|
|              |      |   |                                     |  |   |  |  |   |   |  |  |
| JUN<br>15... | 0940 | 81213   | 7.87                                | 7.1  | 92  | 7.4  | 129  | 28.0  | 29.0  | 6.1  | 1.4  |
| NOV<br>15... | 1150 | 81213   | 4.41                                | 8.5  | 83  | 7.6  | 104  | 16.0  | 14.0  | 4.4  | 1.5  |
| JUN<br>15... | <1.0 | 2.9   | <.5                                 | <1.0   | <1.0  | <1.0   | <.1  | <1.0  | <2.0  | <2.0   | 2.8  |
| NOV<br>15... | <1.0 | <4.0  | <.5                                 | 2.1  | 3.0   | <2.0   | <.1  | 1.2   | <4.0  | <2.0   | 11   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350080 LIME CREEK NEAR COBB, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 32°02'06", long 83°59'33", Sumter County, Hydrologic Unit 03130006, at bridge on Spring Hill Church Road, 0.6 mile downstream from Dominy Branch, approximately 1.0 mile upstream from mouth, and 5.2 miles north of Cobb.

**DRAINAGE AREA.--**61.8 mi<sup>2</sup>.

**PERIOD OF RECORD.--**March 1993 to December 1995, January 2000 to December 2000 (discontinued).

**REMARKS.--**The streamflow gaging station at this site is located on the right bank 800 feet upstream from the bridge on Spring Hill Church Road. 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) |
|-------|------|--|---|---|---|---|---|---|--|--|---|---|---|
| FEB   |      |  |   |   |   |   |   |   |  |  |   |   |   |
| 07... | 1030 | 81213  | 15  | --  | 2   | 4.9                                     | 11.0  | 89.4  | 7.0  | 7.4  | 117   | 118   | 11.0  |
| 23... | 1210 | 81213  | 17  | .8  | 3   | 5.8                                     | 10.0  | 92.4  | 7.0  | 7.4  | 118   | 119   | 18.5  |
| MAR   |      |  |   |   |   |   |   |   |  |  |   |   |   |
| 01... | 1220 | 81213  | 16  | --  | --  | --                                      | 9.0   | 87.7  | 7.2  | --   | --  | 118   | 18.0  |
| 08... | 1125 | 81213  | 15  | --  | --  | --                                      | 8.9   | 90.4  | 7.3  | --   | --  | 116   | 24.0  |
| 15... | 1220 | 81213  | 14  | 1.0   | 4   | 6.9                                     | 9.2   | 90.5  | 6.8  | 7.3  | 119   | 120   | 23.5  |
| APR   |      |  |   |   |   |   |   |   |  |  |   |   |   |
| 19... | 1055 | 81213  | 17  | .7  | 8   | 13                                      | 7.9   | 83.1  | 7.3  | 7.3  | 111   | 107   | 23.0  |
| MAY   |      |  |   |   |   |   |   |   |  |  |   |   |   |
| 17... | 1135 | 81213  | 8.9   | 1.0   | 6   | 6.9                                     | 7.5   | 85.1  | 7.3  | 7.3  | 91  | 87  | 30.0  |
| 24... | 1015 | 81213  | 6.2   | --  | --  | --                                      | 6.7   | 79.8  | 7.2  | --   | --  | 94  | 29.0  |
| JUN   |      |  |   |   |   |   |   |   |  |  |   |   |   |
| 07... | 0945 | 81213  | 7.4   | --  | --  | --                                      | 7.0   | 80.3  | 7.3  | --   | --  | 67  | 22.0  |
| 15... | 1045 | 81213  | 5.3   | 1.0   | 9   | 8.0                                     | 6.0   | 74.2  | 7.3  | 7.7  | 74  | 77  | 33.0  |
| JUL   |      |  |   |   |   |   |   |   |  |  |   |   |   |
| 12... | 0945 | 81213  | 17  | 2.1   | 93  | 280                                     | 6.5   | 78.6  | 7.3  | 7.1  | 98  | 97  | 31.0  |
| AUG   |      |  |   |   |   |   |   |   |  |  |   |   |   |
| 16... | 1100 | 81213  | 4.2   | .9  | 8   | 13                                      | 6.1   | 73.4  | 7.1  | 7.2  | 81  | 80  | 31.0  |
| 30... | 1015 | 81213  | 4.3   | --  | --  | --                                      | 5.7   | 69.0  | 6.9  | --   | --  | 65  | 29.0  |
| SEP   |      |  |   |   |   |   |   |   |  |  |   |   |   |
| 06... | 0945 | 81213  | 8.5   | --  | --  | --                                      | 6.7   | 79.4  | 7.3  | --   | --  | 59  | 18.0  |
| 12... | 1010 | 81213  | 9.5   | .7  | 10  | 9.3                                     | 7.0   | 81.7  | 7.7  | 7.4  | 69  | 69  | 27.8  |
| 19... | 0935 | 81213  | 8.3   | --  | --  | --                                      | 8.0   | 86.6  | 7.2  | --   | --  | 58  | 22.5  |
| OCT   |      |  |   |   |   |   |   |   |  |  |   |   |   |
| 04... | 0925 | 81213  | 8.6   | --  | --  | --                                      | 7.8   | 83.8  | 7.4  | --   | --  | 75  | 21.6  |
| 11... | 1140 | 81213  | 8.4   | .4  | 2   | 4.9                                     | 9.6   | 89.8  | 7.4  | 7.4  | 74  | 70  | 20.0  |
| NOV   |      |  |   |   |   |   |   |   |  |  |   |   |   |
| 15... | 1240 | 81213  | 11  | 1.0   | 3   | 6.0                                     | 8.9   | 83.7  | 7.4  | 7.2  | 86  | 85  | 16.0  |
| DEC   |      |  |   |   |   |   |   |   |  |  |   |   |   |
| 11... | 1200 | 81213  | 13  | .7  | 3   | 4.5                                     | 9.3   | 83.6  | 7.3  | 7.3  | 116   | 114   | 10.0  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350080 LIME CREEK NEAR COBB, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|--|---|---|---|--|---|
| FEB   |  |  |   |   |   |  |   |
| 07... | 6.5                                    | 36   | .05   | .6  | <.020   | 2.4  | --  |
| 23... | 12.0                                   | 40   | .04   | .4  | <.020   | 2.8  | 130   |
| MAR   |  |  |   |   |   |  |   |
| 01... | 14.0                                   | --   | --  | --  | --  | --   | 140   |
| 08... | 16.0                                   | --   | --  | --  | --  | --   | 130   |
| 15... | 14.5                                   | 41   | .09   | .2  | <.020   | 3.1  | 110   |
| APR   |  |  |   |   |   |  |   |
| 19... | 17.5                                   | 40   | .07   | .4  | <.020   | 3.0  | --  |
| MAY   |  |  |   |   |   |  |   |
| 17... | 21.5                                   | 36   | .05   | .4  | <.020   | 1.7  | 140   |
| 24... | 23.5                                   | --   | --  | --  | --  | --   | 50  |
| JUN   |  |  |   |   |   |  |   |
| 07... | 22.0                                   | --   | --  | --  | --  | --   | 130   |
| 15... | 26.0                                   | 29   | .07   | .3  | .030  | 2.1  | 20  |
| JUL   |  |  |   |   |   |  |   |
| 12... | 24.5                                   | 28   | .18   | 1.4   | .370  | 6.3  | 9200  |
| AUG   |  |  |   |   |   |  |   |
| 16... | 24.5                                   | 33   | .08   | .2  | .030  | 2.6  | 110   |
| 30... | 24.5                                   | --   | --  | --  | --  | --   | 70  |
| SEP   |  |  |   |   |   |  |   |
| 06... | 23.5                                   | --   | --  | --  | --  | --   | E1800   |
| 12... | 23.0                                   | 27   | .03   | .2  | <.020   | 2.9  | 230   |
| 19... | 19.0                                   | --   | --  | --  | --  | --   | 230   |
| OCT   |  |  |   |   |   |  |   |
| 04... | 18.9                                   | --   | --  | --  | --  | --   | <20   |
| 11... | 12.5                                   | 28   | .12   | .2  | <.020   | 3.1  | 80  |
| NOV   |  |  |   |   |   |  |   |
| 15... | 12.5                                   | 33   | .06   | .1  | <.020   | 2.6  | --  |
| DEC   |  |  |   |   |   |  |   |
| 11... | 10.5                                   | 41   | .04   | .2  | <.020   | 2.5  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350080 LIME CREEK NEAR COBB, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) |
|--------------|------|---|---|--|---|--|--|---|---|--|--|---|--|
| JUN<br>15... | 1045 | 81213   | 5.3   | 6.0  | 74.2  | 7.3  | 77   | 33.0  | 26.0  | 11   | .8   | <1.0  | <2.0   |
| NOV<br>15... | 1240 | 81213   | 11  | 8.9  | 83.7  | 7.4  | 85   | 16.0  | 12.5  | 12   | 1.0  | <1.0  | <4.0   |

| DATE         | CADMIUM,<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|---|--|--|--|--|---|---|--|
| JUN<br>15... | <.5   | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 2.8  |
| NOV<br>15... | <.5   | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350220 GUM CREEK AT CONEY, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 31°57'40", long 83°53'05", Crisp County, Hydrologic Unit 03130006, at bridge on US Highway 280, 2.3 miles above mouth, and, at Coney.

**DRAINAGE AREA.**--73.0 mi<sup>2</sup>.

**PERIOD OF RECORD.**--April 1995 to December 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|--|---|---|---|
| FEB   |      |   |   |   |   |   |  |   |   |   |
| 07... | 1140 | 81213   | 23  | --  | 7   | 7.2                                     | 10.7   | 91  | 7.2   | 7.6   |
| 23... | 1315 | 81213   | 26  | 1.0   | 7   | 9.4                                     | 9.8  | 95  | 7.1   | 7.6   |
| MAR   |      |   |   |   |   |   |  |   |   |   |
| 01... | 1320 | 81213   | 34  | --  | --  | --                                      | 8.3  | 85  | 7.3   | --  |
| 08... | 1220 | 81213   | 22  | --  | --  | --                                      | 8.3  | 87  | 7.7   | --  |
| 15... | 1320 | 81213   | 26  | 1.0   | 9   | 9.5                                     | 8.6  | 87  | 7.0   | 7.5   |
| APR   |      |   |   |   |   |   |  |   |   |   |
| 19... | 1200 | 81213   | 28  | 1.3   | 14  | 11                                      | 7.6  | 82  | 7.4   | 7.6   |
| MAY   |      |   |   |   |   |   |  |   |   |   |
| 17... | 1300 | 81213   | 7.6   | 1.1   | 7   | 3.4                                     | 7.8  | 89  | 7.8   | 7.9   |
| 24... | 1130 | 81213   | 8.6   | --  | --  | --                                      | 7.5  | 90  | 7.7   | --  |
| JUN   |      |   |   |   |   |   |  |   |   |   |
| 07... | 1100 | 81213   | 5.8   | --  | --  | --                                      | 8.1  | 92  | 7.9   | --  |
| 15... | 1210 | 81213   | 5.6   | 2.5   | 10  | 3.4                                     | 7.7  | 93  | 8.1   | 7.9   |
| JUL   |      |   |   |   |   |   |  |   |   |   |
| 12... | 1115 | 81213   | 5.4   | .5  | 7   | 4.9                                     | 7.0  | 86  | 7.8   | 8.1   |
| AUG   |      |   |   |   |   |   |  |   |   |   |
| 16... | 1200 | 81213   | 10  | .8  | 14  | 8.9                                     | 7.2  | 87  | 7.9   | 7.9   |
| 30... | 1140 | 81213   | 7.8   | --  | --  | --                                      | 7.0  | 84  | 7.6   | --  |
| SEP   |      |   |   |   |   |   |  |   |   |   |
| 06... | 1040 | 81213   | 16  | --  | --  | --                                      | 8.2  | 96  | 7.6   | --  |
| 12... | 0845 | 81213   | 7.2   | 1.0   | 9   | 7.1                                     | 7.1  | 82  | 7.8   | 7.9   |
| 19... | 1025 | 81213   | 6.8   | --  | --  | --                                      | 8.0  | 87  | 7.9   | --  |
| OCT   |      |   |   |   |   |   |  |   |   |   |
| 04... | 0825 | 81213   | 7.4   | --  | --  | --                                      | 7.8  | 84  | 7.9   | --  |
| 11... | 1240 | 81213   | 7.8   | .4  | 3   | 1.8                                     | 10.2   | 98  | 8.1   | 8.0   |
| NOV   |      |   |   |   |   |   |  |   |   |   |
| 15... | 1345 | 81213   | 12  | .9  | 4   | 2.3                                     | 9.5  | 90  | 8.0   | 7.9   |
| DEC   |      |   |   |   |   |   |  |   |   |   |
| 11... | 1245 | 81213   | 4.6   | 1.3   | 4   | 4.0                                     | 8.6  | 80  | 7.8   | 7.7   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350220 GUM CREEK AT CONEY, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 07... | 183   | 186   | 13.0  | 8.5   | 60   | .06   | 2.3   | .100  | 5.2  | --  |
| 23... | 183   | 182   | 20.5  | 14.0  | 61   | .06   | 1.9   | .120  | 6.7  | 170   |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 01... | --  | 163   | 23.0  | 16.0  | --   | --  | --  | --  | --   | 490   |
| 08... | --  | 196   | 26.5  | 17.5  | --   | --  | --  | --  | --   | 170   |
| 15... | 180   | 183   | 25.0  | 16.0  | 63   | .09   | 1.8   | .130  | 7.8  | 230   |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 19... | 184   | 181   | 24.0  | 18.5  | 65   | .10   | 2.2   | .130  | 5.1  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 17... | 265   | 267   | 31.5  | 22.0  | 98   | .04   | 3.9   | .160  | 2.1  | 490   |
| 24... | --  | 262   | 33.0  | 24.0  | --   | --  | --  | --  | --   | 170   |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 07... | --  | 289   | 25.0  | 21.5  | --   | --  | --  | --  | --   | 230   |
| 15... | 294   | 297   | 33.0  | 25.0  | 109  | .05   | 3.6   | .270  | 2.4  | 330   |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 12... | 314   | 317   | 32.0  | 25.5  | 108  | .05   | 4.2   | .490  | 2.8  | 790   |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 16... | 319   | 323   | 34.0  | 24.5  | 110  | .06   | 3.7   | .410  | 2.3  | 220   |
| 30... | --  | 333   | 32.0  | 24.0  | --   | --  | --  | --  | --   | 490   |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 06... | --  | 225   | 18.0  | 23.0  | --   | --  | --  | --  | --   | E1700   |
| 12... | 248   | 253   | 23.2  | 22.4  | 89   | .06   | 2.7   | .310  | 3.4  | 110   |
| 19... | --  | 312   | 25.5  | 19.0  | --   | --  | --  | --  | --   | 790   |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 04... | --  | 269   | 21.6  | 18.8  | --   | --  | --  | --  | --   | <20   |
| 11... | 284   | 285   | 20.5  | 13.5  | 105  | .11   | 3.7   | .220  | 2.0  | 460   |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 15... | 292   | 298   | 15.0  | 13.0  | 112  | .06   | 3.4   | .250  | 2.3  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 11... | 278   | 280   | 11.0  | 12.0  | 98   | .28   | 3.1   | .200  | 5.7  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350220 GUM CREEK AT CONEY, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| JUN<br>15... | 1210 | 81213   | 5.6   | 7.7   | 93  | 8.1  | 297  | 33.0  | 25.0  | 46   | 1.5  |
| NOV<br>15... | 1345 | 81213   | 12  | 9.5   | 90  | 8.0  | 298  | 15.0  | 13.0  | 46   | 1.5  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| JUN<br>15... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 4.6  |
| NOV<br>15... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 4.6  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350360 SWIFT CREEK AT WORTH COUNTY ROAD 105, NEAR WARWICK, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 31°50'20", long 83°51'18", Worth County, Hydrologic Unit 03130006, at bridge on County Road 105, 264 feet downstream from North Branch, near the indefinite boundary of the Worth-Crisp County line, and 4.0 miles east of Warwick.

**DRAINAGE AREA.**--40.0 mi<sup>2</sup>, approximately

**PERIOD OF RECORD.**--January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY ANA-LYZING SAMPLE NUMBER (00028) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY PENDED (MG/L) (00310) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530) | TUR-BID-ITY (NTU) (00076) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400) | PH WATER WHOLE LAB (STAND-ARD UNITS) (00403) | SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095) | SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (00095) | TEMPER-ATURE AIR (DEG C) (00020) |
|-------|------|---|---|--|--|---------------------------|-----------------------------------|---|--|--|---|---|----------------------------------|
| FEB   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 07... | 1220 | 81213                                   | 37  | --   | 3  | 5.4                       | 9.2                               | 86.2  | 7.3  | 7.8  | 187   | 189   | 16.5                             |
| 23... | 1400 | 81213                                   | 40  | .6   | 3  | 3.9                       | 8.9                               | 90.8  | 7.2  | 7.7  | 183   | 185   | 21.5                             |
| MAR   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 01... | 1400 | 81213                                   | 47  | --   | --   | --                        | 8.1                               | 85.2  | 7.3  | --   | --  | 158   | 25.0                             |
| 08... | 1300 | 81213                                   | 31  | --   | --   | --                        | 8.7                               | 93.1  | 7.7  | --   | --  | 194   | 26.0                             |
| 15... | 1400 | 81213                                   | 37  | 1.5  | <1   | 3.5                       | 8.3                               | 88.9  | 7.0  | 7.6  | 181   | 184   | 26.0                             |
| APR   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 19... | 1245 | 81213                                   | 40  | .8   | 6  | 5.4                       | 7.2                               | 78.1  | 7.5  | 7.7  | 192   | 189   | 26.0                             |
| MAY   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 17... | 1340 | 81213                                   | 19  | .8   | 3  | 1.5                       | 8.5                               | 95.6  | 7.8  | 7.9  | 245   | 247   | 32.0                             |
| 24... | 1215 | 81213                                   | 14  | --   | --   | --                        | 8.3                               | 95.0  | 7.8  | --   | --  | 248   | 34.0                             |
| JUN   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 07... | 1150 | 81213                                   | 12  | --   | --   | --                        | 8.5                               | 93.3  | 8.0  | --   | --  | 251   | 26.0                             |
| 15... | 1300 | 81213                                   | 8.2   | 5.2  | 3  | 1.2                       | 8.4                               | 95.2  | 8.1  | 8.1  | 248   | 251   | 33.0                             |
| JUL   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 12... | 1145 | 81213                                   | 6.3   | .3   | 7  | 1.8                       | 8.1                               | 92.6  | 7.9  | 8.2  | 249   | 253   | 33.0                             |
| AUG   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 16... | 1310 | 81213                                   | 5.5   | .5   | 2  | .8                        | 8.6                               | 98.7  | 8.0  | 8.2  | 248   | 251   | 35.0                             |
| 30... | 1210 | 81213                                   | 5.2   | --   | --   | --                        | 8.5                               | 96.2  | 7.8  | --   | --  | 253   | 32.0                             |
| SEP   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 06... | 1140 | 81213                                   | 5.7   | --   | --   | --                        | 8.3                               | 91.9  | 7.9  | --   | --  | 243   | 18.0                             |
| 12... | 0735 | 81213                                   | 6.3   | .9   | 7  | 2.0                       | 7.7                               | 84.3  | 7.8  | 8.1  | 253   | 258   | 19.7                             |
| 19... | 1120 | 81213                                   | 6.3   | --   | --   | --                        | 8.6                               | 94.1  | 7.9  | --   | --  | 253   | 27.0                             |
| OCT   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 04... | 0715 | 81213                                   | 5.9   | --   | --   | --                        | 7.8                               | 82.8  | 8.0  | --   | --  | 257   | 16.6                             |
| 11... | 1330 | 81213                                   | 5.7   | .2   | 1  | .7                        | 9.1                               | 94.0  | 8.1  | 8.1  | 252   | 252   | 21.0                             |
| NOV   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 15... | 1440 | 81213                                   | 6.3   | .6   | 2  | .8                        | 8.4                               | 85.6  | 8.1  | 8.0  | 246   | 253   | 15.0                             |
| DEC   |      |   |   |  |  |                           |                                   |   |  |  |   |   |                                  |
| 11... | 1340 | 81213                                   | 8.7   | .3   | <1   | .4                        | 8.2                               | 83.5  | 7.9  | 8.0  | 253   | 253   | 12.0                             |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350360 SWIFT CREEK AT WORTH COUNTY ROAD 105, NEAR WARWICK, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>(DEG C)<br>(00010) | ANC   | NITRO-  | NITRO-  | PHOS-  | CARBON,                                       | COLI-  |
|-------|--|---|---|---|--|---|--|
|       |  | UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
| FEB   |  |   |   |   |  |   |  |
| 07... | 12.5                                   | 66  | .04   | 3.0   | <.020  | 3.5   | --   |
| 23... | 16.5                                   | 67  | .04   | 2.5   | <.020  | 5.1   | 20   |
| MAR   |  |   |   |   |  |   |  |
| 01... | 17.5                                   | --  | --  | --  | --   | --  | 70   |
| 08... | 18.5                                   | --  | --  | --  | --   | --  | 70   |
| 15... | 18.5                                   | 69  | .08   | 2.4   | <.020  | 7.1   | 130  |
| APR   |  |   |   |   |  |   |  |
| 19... | 19.0                                   | 74  | .05   | 2.9   | <.020  | 3.6   | --   |
| MAY   |  |   |   |   |  |   |  |
| 17... | 21.0                                   | 104   | .03   | 3.8   | <.020  | .70   | 170  |
| 24... | 21.5                                   | --  | --  | --  | --   | --  | 70   |
| JUN   |  |   |   |   |  |   |  |
| 07... | 19.7                                   | --  | --  | --  | --   | --  | 170  |
| 15... | 21.5                                   | 109   | .03   | 3.4   | <.020  | .50   | 80   |
| JUL   |  |   |   |   |  |   |  |
| 12... | 21.5                                   | 112   | .03   | 3.0   | <.020  | .50   | 80   |
| AUG   |  |   |   |   |  |   |  |
| 16... | 22.0                                   | 113   | .05   | 2.8   | <.020  | .10   | 70   |
| 30... | 21.0                                   | --  | --  | --  | --   | --  | 130  |
| SEP   |  |   |   |   |  |   |  |
| 06... | 20.0                                   | --  | --  | --  | --   | --  | E1400  |
| 12... | 19.6                                   | 114   | .03   | 2.9   | <.020  | .20   | 330  |
| 19... | 19.5                                   | --  | --  | --  | --   | --  | 130  |
| OCT   |  |   |   |   |  |   |  |
| 04... | 18.4                                   | --  | --  | --  | --   | --  | <20  |
| 11... | 17.0                                   | 113   | .03   | 2.9   | <.020  | .30   | 50   |
| NOV   |  |   |   |   |  |   |  |
| 15... | 16.0                                   | 113   | .07   | 2.6   | <.020  | .40   | --   |
| DEC   |  |   |   |   |  |   |  |
| 11... | 16.0                                   | 113   | .01   | 2.5   | <.020  | --  | --   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350360 SWIFT CREEK AT WORTH COUNTY ROAD 105, NEAR WARWICK, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC                                  | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)            | OXYGEN,<br>DIS-<br>SOLVED<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS) | PH<br>WATER<br>FIELD<br>(US/<br>CM)                              | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/<br>CM)              | TEMPER-<br>ATURE<br>AIR<br>(DEG C)                                 | TEMPER-<br>ATURE<br>WATER<br>(DEG C)                                      | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)                   | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)  | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)            | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)            |
|--------------|------|---|--|---|---|--|--|--|---|---|--|---|--|
|              |      |   | FEET<br>PER<br>SECOND<br>(00061)                                   | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L<br>00300)                              | (PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301)                            | (STAND-<br>ARD<br>UNITS)<br>(00400)                              | CON-<br>DUCT-<br>ANCE<br>(US/<br>CM)<br>(00095)                    | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                           | RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916)                            | RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927)                   | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) |
| JUN<br>15... | 1300 | 81213   | 8.2  | 8.4   | 95.2  | 8.1  | 251  | 33.0   | 21.5  | 47  | 1.2  | <1.0  | 2.3  |
| NOV<br>15... | 1440 | 81213   | 6.3  | 8.4   | 85.6  | 8.1  | 253  | 15.0   | 16.0  | 47  | 1.0  | <1.0  | <4.0   |
| DATE         |      |   | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042)      | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |   |  |
| JUN<br>15... |      |   | <.5  | <1.0  | <1.0  | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 1.0  |   |  |
| NOV<br>15... |      |   | <.5  | 1.2   | <2.0  | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |   |  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350600 KINCHAFOONEE CREEK AT PRESTON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 32°03'09", long 84°32'54", Webster County, Hydrologic Unit 03130007, at bridge on Georgia Highway 41, 1.0 mile upstream from Harrel Mill Creek, and 1.0 mile southwest of Preston.

**DRAINAGE AREA.--**197 mi<sup>2</sup>.

**PERIOD OF RECORD.--** December 1969 to September 1970, November 1971 to December 1995. January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>(PER-<br>FIELD<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>FIELD<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |     |
|-------|------|---|---|---|---|---|--|---|---|-----|
| JAN   |      |   |   |   |   |   |  |   |   |     |
| 27... | 1105 | 81213   | --  | 1.1   | 7   | 12                                      | 12.1   | 88  | 6.6   | 6.5 |
| FEB   |      |   |   |   |   |   |  |   |   |     |
| 24... | 1035 | 81213   | 92  | .6  | 6   | 7.2                                     | 9.6  | 85  | 7.0   | 6.8 |
| MAR   |      |   |   |   |   |   |  |   |   |     |
| 09... | 0935 | 81213   | 88  | --  | --  | --                                      | 8.0  | 78  | 6.8   | --  |
| 16... | 0930 | 81213   | 129   | --  | --  | --                                      | 8.1  | 79  | 6.7   | --  |
| 23... | 1040 | 81213   | 200   | --  | 11  | 16                                      | 7.7  | 75  | 6.7   | 6.8 |
| APR   |      |   |   |   |   |   |  |   |   |     |
| 05... | 1005 | 81213   | 209   | --  | --  | --                                      | 8.1  | 78  | 6.6   | --  |
| 06... | 1025 | 81213   | 179   | --  | --  | --                                      | 8.9  | 84  | 6.7   | --  |
| 12... | 0800 | 81213   | 117   | --  | --  | --                                      | 8.1  | 79  | 6.8   | --  |
| 20... | 1115 | 81213   | 92  | .7  | 10  | 12                                      | 7.7  | 80  | 6.8   | 6.9 |
| MAY   |      |   |   |   |   |   |  |   |   |     |
| 04... | 0950 | 81213   | 53  | .6  | 9   | 14                                      | 7.4  | 80  | 6.9   | 6.9 |
| JUN   |      |   |   |   |   |   |  |   |   |     |
| 15... | 1010 | 81213   | 20  | 1.7   | 8   | 15                                      | 6.4  | 76  | 7.0   | 7.0 |
| 20... | 0755 | 81213   | 26  | --  | --  | --                                      | 6.1  | 72  | 6.8   | --  |
| 27... | 0800 | 81213   | 79  | --  | --  | --                                      | 6.5  | 76  | 6.6   | --  |
| JUL   |      |   |   |   |   |   |  |   |   |     |
| 13... | 0905 | 81213   | 22  | .4  | 8   | 14                                      | 6.2  | 75  | 6.8   | 7.3 |
| AUG   |      |   |   |   |   |   |  |   |   |     |
| 10... | 0915 | 81213   | 23  | .4  | 10  | 12                                      | 6.1  | 74  | 6.7   | 6.9 |
| SEP   |      |   |   |   |   |   |  |   |   |     |
| 21... | 1015 | 81213   | 30  | 1.1   | 4   | 10                                      | 6.9  | 78  | --  | 6.9 |
| 25... | 0835 | 81213   | 112   | --  | --  | --                                      | 6.4  | 76  | --  | --  |
| OCT   |      |   |   |   |   |   |  |   |   |     |
| 03... | 0845 | 81213   | 35  | --  | --  | --                                      | 7.5  | 78  | 6.4   | --  |
| 19... | 0935 | 81213   | 30  | .5  | 5   | 7.2                                     | 8.1  | 82  | 6.8   | 6.5 |
| NOV   |      |   |   |   |   |   |  |   |   |     |
| 30... | 1115 | 81213   | 77  | .8  | 3   | 5.6                                     | 9.4  | 83  | 6.2   | 6.8 |
| DEC   |      |   |   |   |   |   |  |   |   |     |
| 14... | 1145 | 81213   | 77  | .5  | 6   | 6.1                                     | 9.7  | 85  | 6.5   | 7.0 |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350600 KINCHAFOONEE CREEK AT PRESTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |  |   |   |   |  |   |
| 27... | 33  | 30   | 2.0   | 2.6   | 8  | .07   | .2  | <.020   | 3.6  | 130   |
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 24... | 34  | 31   | 21.5  | 10.6  | 13   | .07   | .1  | <.020   | 3.1  | 20  |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 09... | --  | 32   | 21.0  | 14.3  | --   | --  | --  | --  | --   | 490   |
| 16... | --  | 33   | 20.5  | 14.1  | --   | --  | --  | --  | --   | 120   |
| 23... | 35  | 33   | 20.5  | 14.2  | 11   | .03   | .1  | .030  | 4.1  | --  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 05... | --  | 34   | 15.5  | 14.1  | --   | --  | --  | --  | --   | 80  |
| 06... | --  | 35   | 23.0  | 13.1  | --   | --  | --  | --  | --   | 50  |
| 12... | --  | 33   | 18.0  | 14.6  | --   | --  | --  | --  | --   | 50  |
| 20... | 37  | 37   | 25.5  | 16.9  | 14   | .10   | .1  | <.020   | 3.6  | 20  |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 04... | 36  | 34   | 25.5  | 19.1  | 15   | .09   | .1  | <.020   | 3.2  | --  |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 15... | 38  | 37   | 29.9  | 24.0  | 13   | .08   | .2  | .030  | 3.1  | 20  |
| 20... | --  | 34   | 26.5  | 24.2  | --   | --  | --  | --  | --   | 110   |
| 27... | --  | 26   | 25.0  | 23.4  | --   | --  | --  | --  | --   | 1700  |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 13... | 34  | 33   | 28.0  | 24.4  | <1   | .10   | .2  | .030  | 2.7  | 140   |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 10... | 33  | 31   | 28.5  | 24.9  | 10   | .07   | .2  | .020  | 3.1  | --  |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 21... | 34  | 32   | 28.5  | 21.6  | 11   | .08   | .1  | .030  | 2.6  | <20   |
| 25... | --  | 37   | 26.5  | 23.1  | --   | --  | --  | --  | --   | 90  |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 03... | --  | 36   | 17.5  | 17.8  | --   | --  | --  | --  | --   | 70  |
| 19... | 37  | 29   | 20.0  | 15.9  | 12   | .04   | .1  | <.020   | 3.0  | 110   |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 30... | 36  | 34   | 16.0  | 10.1  | 8  | .05   | .1  | .020  | 2.8  | --  |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 14... | 37  | 34   | 18.0  | 9.7   | 10   | .04   | .1  | <.020   | 3.0  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350600 KINCHAFOONEE CREEK AT PRESTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>SATUR-<br>TION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>SATUR-<br>TION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)     | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                    | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |  |
|--------------|------|---|---|--|--|--|--|--|--|--|--|--|
| DATE         |      | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097)             | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002)                        | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027)                           | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034)          | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042)   | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147)              | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059)                      | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
| JUN<br>15... | 1010 | 81213   | 20  | 6.4  | 76   | 7.0  | 37   | 29.9   | 24.0   | 4.2  | .7   |  |
| OCT<br>19... | 0935 | 81213   | 30  | 8.1  | 82   | 6.8  | 29   | 20.0   | 15.9   | 2.7  | .6   |  |
| JUN<br>15... | <1.0 | <2.0  | <.5   | <1.0   | <1.0   | <1.0   | <.1  | <1.0   | <2.0   | <2.0   | 4.7  |  |
| OCT<br>19... | <1.0 | <4.0  | <.5   | <1.0   | <2.0   | <2.0   | <.1  | <1.0   | <4.0   | <2.0   | 4.3  |  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350625 LANAHASSEE CREEK AT GEORGIA HIGHWAY 153,  
NEAR PRESTON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 32°06'28", long 84°30'00", Webster County, Hydrologic Unit 03130007, at bridge on Georgia Highway 153, 0.2 mile downstream from West Fork Lanahassee, and 3.5 miles northeast of Preston.

**PERIOD OF RECORD.--**January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>NUMBER<br>(00028) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>PH<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) |
|-------|------|--|---|--|---|---|---|--|--|---|---|---|---|
| FEB   |      |  |   |  |   |   |   |  |  |   |   |   |   |
| 24... | 0925 | 81213  | .5  | 11   | 12                                      | 10.5  | 92.1  | 7.0  | 6.8  | 40  | 38  | 18.0  | 9.8   |
| MAR   |      |  |   |  |   |   |   |  |  |   |   |   |   |
| 09... | 0855 | 81213  | --  | --   | --                                      | 9.6   | 90.3  | 6.9  | --   | --  | 39  | 17.0  | 12.7  |
| 16... | 0850 | 81213  | --  | --   | --                                      | 8.8   | 85.9  | 6.8  | --   | --  | 38  | 17.5  | 14.3  |
| 23... | 0925 | 81213  | --  | 10   | 13                                      | 9.6   | 90.1  | 6.9  | 7.3  | 41  | 38  | 20.0  | 12.9  |
| APR   |      |  |   |  |   |   |   |  |  |   |   |   |   |
| 05... | 0935 | 81213  | --  | --   | --                                      | 9.7   | 88.5  | 6.8  | --   | --  | 36  | 16.0  | 11.6  |
| 06... | 0950 | 81213  | --  | --   | --                                      | 7.9   | 77.3  | 6.8  | --   | --  | 36  | 17.5  | 14.4  |
| 12... | 0730 | 81213  | --  | --   | --                                      | 8.5   | 82.7  | 6.9  | --   | --  | 37  | 11.0  | 14.3  |
| 20... | 0945 | 81213  | .8  | 13   | 16                                      | 8.8   | 88.9  | 7.0  | 7.0  | 40  | 40  | 24.0  | 15.6  |
| MAY   |      |  |   |  |   |   |   |  |  |   |   |   |   |
| 04... | 0800 | 81213  | .7  | 14   | 22                                      | 8.2   | 85.7  | 7.1  | 7.1  | 42  | 40  | 19.5  | 17.9  |
| JUN   |      |  |   |  |   |   |   |  |  |   |   |   |   |
| 15... | 0835 | 81213  | 4.9   | 17   | 27                                      | 6.8   | 78.4  | 7.3  | 7.3  | 57  | 58  | 25.0  | 22.6  |
| 20... | 0705 | 81213  | --  | --   | --                                      | 6.6   | 76.9  | 7.0  | --   | --  | 48  | 22.5  | 23.0  |
| 27... | 0725 | 81213  | --  | --   | --                                      | 7.3   | 82.3  | 7.0  | --   | --  | 51  | 22.0  | 21.8  |
| JUL   |      |  |   |  |   |   |   |  |  |   |   |   |   |
| 13... | 0805 | 81213  | .4  | 12   | 25                                      | 6.7   | 78.7  | 7.1  | 7.2  | 55  | 54  | 24.0  | 23.5  |
| AUG   |      |  |   |  |   |   |   |  |  |   |   |   |   |
| 10... | 0820 | 81213  | .6  | 11   | 18                                      | 7.5   | 87.7  | 7.2  | 7.3  | 53  | 51  | 23.0  | 23.6  |
| SEP   |      |  |   |  |   |   |   |  |  |   |   |   |   |
| 21... | 0855 | 81213  | 1.4   | 7  | 12                                      | 7.9   | 88.8  | --   | 7.2  | 50  | 48  | 25.0  | 21.2  |
| 25... | 0755 | 81213  | --  | --   | --                                      | 7.0   | 82.0  | --   | --   | --  | 58  | 25.0  | 22.5  |
| OCT   |      |  |   |  |   |   |   |  |  |   |   |   |   |
| 03... | 0810 | 81213  | --  | --   | --                                      | 8.8   | 88.9  | 6.6  | --   | --  | 48  | 13.5  | 16.1  |
| 19... | 0835 | 81213  | .6  | 9  | 10                                      | 8.9   | 87.7  | 6.8  | 7.3  | 46  | 43  | 18.5  | 14.7  |
| NOV   |      |  |   |  |   |   |   |  |  |   |   |   |   |
| 30... | 0935 | 81213  | .7  | 4  | 6.5                                     | 9.7   | 83.0  | 6.2  | 6.9  | 49  | 48  | 8.0   | 8.7   |
| DEC   |      |  |   |  |   |   |   |  |  |   |   |   |   |
| 14... | 1010 | 81213  | .6  | 7  | 8.5                                     | 10.1  | 87.7  | 6.5  | 6.8  | 49  | 46  | 12.0  | 9.4   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350625 LANAHASSEE CREEK AT GEORGIA HIGHWAY 153,  
NEAR PRESTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|---|---|---|--|---|
| FEB   |  |   |   |   |  |   |
| 24... | 14   | .07   | .1  | <.020   | 3.1  | 130   |
| MAR   |  |   |   |   |  |   |
| 09... | --   | --  | --  | --  | --   | 220   |
| 16... | --   | --  | --  | --  | --   | 460   |
| 23... | 14   | .05   | M   | <.020   | 2.7  | --  |
| APR   |  |   |   |   |  |   |
| 05... | --   | --  | --  | --  | --   | 230   |
| 06... | --   | --  | --  | --  | --   | 490   |
| 12... | --   | --  | --  | --  | --   | 140   |
| 20... | 15   | .10   | .1  | <.020   | 3.6  | 70  |
| MAY   |  |   |   |   |  |   |
| 04... | 17   | .10   | .1  | .020  | 3.8  | --  |
| JUN   |  |   |   |   |  |   |
| 15... | 23   | .10   | .1  | .040  | 3.0  | 130   |
| 20... | --   | --  | --  | --  | --   | 1100  |
| 27... | --   | --  | --  | --  | --   | 490   |
| JUL   |  |   |   |   |  |   |
| 13... | 22   | .11   | .1  | .030  | 3.1  | 460   |
| AUG   |  |   |   |   |  |   |
| 10... | 19   | .07   | .1  | .020  | 3.3  | --  |
| SEP   |  |   |   |   |  |   |
| 21... | 18   | .04   | M   | .020  | 3.3  | <20   |
| 25... | --   | --  | --  | --  | --   | 490   |
| OCT   |  |   |   |   |  |   |
| 03... | --   | --  | --  | --  | --   | 790   |
| 19... | 14   | .01   | M   | <.020   | 2.9  | 170   |
| NOV   |  |   |   |   |  |   |
| 30... | 9  | .06   | M   | <.020   | 2.8  | --  |
| DEC   |  |   |   |   |  |   |
| 14... | 11   | .10   | M   | <.020   | 3.1  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350625 LANAHASSEE CREEK AT GEORGIA HIGHWAY 153,  
NEAR PRESTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(CODE<br>00028) | OXYGEN,   | PH   | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)     | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                    | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097)            | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) |     |
|--------------|------|---|---|--|--|--|--|--|--|--|--|--|-----|
|              |      |   | DIS-<br>SOLVED<br>(PER-<br>CENT<br>(SATUR-<br>ATION)<br>(00300)           | WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400)     |  |  |  |  |  |  |  |  |     |
| JUN<br>15... | 0835 | 81213   | 6.8   | 78.4   | 7.3  | 58   | 25.0   | 22.6   | 8.2  | .9   | <1.0   | 3.7  | <.5 |
| OCT<br>19... | 0835 | 81213   | 8.9   | 87.7   | 6.8  | 43   | 18.5   | 14.7   | 5.0  | .8   | <1.0   | <4.0   | <.5 |
|              |      |   | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147)              | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059)                      | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |  |  |     |
| JUN<br>15... |      |   | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0   | <2.0   | 3.0  |  |  |     |
| OCT<br>19... |      |   | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0   | <2.0   | <2.0   |  |  |     |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350860 KINCHAFOONEE CREEK AT GEORGIA HIGHWAY 118,  
NEAR SMITHVILLE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 31°52'06", long 84°18'18", Lee County-Terrell County line, Hydrologic Unit 03130007, at bridge on Georgia Highway 118, 0.5 mile downstream from Chocheelgee Creek, and 2.9 miles southwest of Smithville.

**DRAINAGE AREA.**--485 mi<sup>2</sup>.

**PERIOD OF RECORD.**--January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY ANA-LYZING SAMPLE NUMBER (000028) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN DEMAND, BIO-ICAL, CHEM-ICAL, 5 DAY (00310) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (00530) | TUR-BID-ITY (00076) | OXYGEN, DIS-SOLVED (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | PH WATER WHOLE FIELD (STAND-ARD) UNITS (00400) | PH WATER WHOLE LAB (STAND-ARD) UNITS (00403) |
|-------|------|--|---|---|---|---------------------|----------------------------|---|--|--|
| JAN   |      |  |   |   |   |                     |                            |   |  |  |
| 27... | 1410 | 81213                                    | 469   | 1.6   | 8   | 12                  | 13.3                       | 100   | 6.6  | 6.6  |
| FEB   |      |  |   |   |   |                     |                            |   |  |  |
| 24... | 1255 | 81213                                    | 198   | .6  | 4   | 5.5                 | 10.3                       | 96  | 7.1  | 7.1  |
| MAR   |      |  |   |   |   |                     |                            |   |  |  |
| 09... | 1110 | 81213                                    | 123   | --  | --  | --                  | 9.3                        | 92  | 6.9  | --   |
| 16... | 1135 | 81213                                    | 268   | --  | --  | --                  | 9.1                        | 90  | 6.8  | --   |
| 23... | 1250 | 81213                                    | 382   | --  | 12  | 17                  | 8.7                        | 86  | 6.6  | 6.8  |
| APR   |      |  |   |   |   |                     |                            |   |  |  |
| 05... | 0720 | 81213                                    | 119   | --  | --  | --                  | 7.0                        | 70  | 6.7  | --   |
| 12... | 0950 | 81213                                    | 218   | --  | --  | --                  | 8.9                        | 88  | 7.0  | --   |
| 17... | 1345 | 81213                                    | 263   | --  | --  | --                  | 9.7                        | 102   | 6.8  | --   |
| 19... | 1030 | 81213                                    | 222   | .9  | 6   | 10                  | 8.1                        | 85  | 7.2  | 7.1  |
| MAY   |      |  |   |   |   |                     |                            |   |  |  |
| 04... | 1140 | 81213                                    | 126   | .5  | 5   | 8.1                 | 8.4                        | 93  | 7.1  | 7.2  |
| JUN   |      |  |   |   |   |                     |                            |   |  |  |
| 15... | 1210 | 81213                                    | <15   | 1.8   | 4   | 3.6                 | 7.1                        | 88  | 7.3  | 7.5  |
| 20... | 0930 | 81213                                    | 28  | --  | --  | --                  | 6.8                        | 84  | 7.1  | --   |
| 27... | 0955 | 81213                                    | 41  | --  | --  | --                  | 6.8                        | 82  | 7.0  | --   |
| JUL   |      |  |   |   |   |                     |                            |   |  |  |
| 13... | 1015 | 81213                                    | 112   | 1.2   | 12  | 16                  | 6.7                        | 81  | 7.1  | 7.3  |
| AUG   |      |  |   |   |   |                     |                            |   |  |  |
| 10... | 1105 | 81213                                    | 56  | .4  | 5   | 5.2                 | 6.9                        | 85  | 7.1  | 7.2  |
| SEP   |      |  |   |   |   |                     |                            |   |  |  |
| 21... | 1140 | 81213                                    | 58  | 3.1   | 1   | 3.8                 | 7.8                        | 90  | --   | 7.2  |
| 25... | 1005 | 81213                                    | 297   | --  | --  | --                  | 6.9                        | 81  | --   | --   |
| OCT   |      |  |   |   |   |                     |                            |   |  |  |
| 03... | 1040 | 81213                                    | 90  | --  | --  | --                  | 8.2                        | 89  | 6.6  | --   |
| 19... | 1155 | 81213                                    | 62  | .4  | 2   | 3.2                 | 9.1                        | 95  | 7.0  | 7.2  |
| NOV   |      |  |   |   |   |                     |                            |   |  |  |
| 30... | 1235 | 81213                                    | 184   | .8  | 2   | 4.2                 | 11.4                       | 102   | 6.3  | 7.0  |
| DEC   |      |  |   |   |   |                     |                            |   |  |  |
| 14... | 1305 | 81213                                    | 162   | .3  | 4   | 4.0                 | 10.4                       | 93  | 6.8  | 7.2  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350860 KINCHAFOONEE CREEK AT GEORGIA HIGHWAY 118,  
NEAR SMITHVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 27... | 40  | 37  | 6.0   | 3.7   | 9  | .05   | .2  | <.020   | 6.0  | 1300  |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 24... | 48  | 45  | 28.5  | 12.6  | 16   | .06   | .3  | <.020   | 2.6  | <20   |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 09... | --  | 45  | 22.5  | 15.5  | --   | --  | --  | --  | --   | 50  |
| 16... | --  | 42  | 22.5  | 14.5  | --   | --  | --  | --  | --   | 330   |
| 23... | 40  | 37  | 21.5  | 15.0  | 12   | .02   | .1  | .040  | 6.4  | --  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 05... | --  | 41  | 5.0   | 15.7  | --   | --  | --  | --  | --   | 20  |
| 12... | --  | 44  | 23.5  | 15.4  | --   | --  | --  | --  | --   | 20  |
| 17... | --  | 45  | 31.0  | 17.6  | --   | --  | --  | --  | --   | <20   |
| 19... | 45  | 45  | 22.0  | 17.5  | 16   | .08   | .2  | <.020   | 3.3  | 20  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 04... | 49  | 48  | 27.0  | 20.4  | 18   | .06   | .4  | <.020   | 2.7  | --  |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 15... | 60  | 70  | 33.0  | 26.7  | 22   | .06   | .4  | <.020   | 2.8  | 70  |
| 20... | --  | 51  | 31.5  | 26.0  | --   | --  | --  | --  | --   | 20  |
| 27... | --  | 48  | 29.0  | 24.7  | --   | --  | --  | --  | --   | 130   |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 13... | 57  | 56  | 28.0  | 25.0  | 20   | .10   | .4  | .050  | 5.1  | 460   |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 10... | 48  | 46  | 28.5  | 26.2  | 15   | .06   | .3  | .020  | 2.4  | --  |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 21... | 51  | 48  | 36.0  | 22.6  | 17   | .05   | .4  | <.020   | 2.3  | <20   |
| 25... | --  | 51  | 30.0  | 23.5  | --   | --  | --  | --  | --   | 130   |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 03... | --  | 51  | 30.5  | 19.2  | --   | --  | --  | --  | --   | 70  |
| 19... | 48  | 46  | 27.0  | 17.4  | 15   | .04   | .4  | <.020   | 2.8  | 90  |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 30... | 51  | 49  | 18.0  | 10.8  | 11   | .06   | .2  | .030  | 3.4  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 14... | 51  | 48  | 17.5  | 10.8  | 14   | .07   | .3  | <.020   | 2.8  | --  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350860 KINCHAFOONEE CREEK AT GEORGIA HIGHWAY 118,  
NEAR SMITHVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE NUMBER<br>(CODE NUMBER)<br>(00028) | DIS-CHARGE, INST. CUBIC FEET PER SECOND<br>(00061) | OXYGEN, DIS-SOLVED (PER-CENT SATURATION)<br>(MG/L)<br>(00300) | OXYGEN, DIS-SOLVED (PER-CENT SATURATION)<br>(MG/L)<br>(00301) | PH WATER WHOLE FIELD (STANDARD UNITS)<br>(00400) | SPECIFIC CONDUCTANCE<br>(US/CM)<br>(00095) | TEMPERATURE AIR<br>(DEG C)<br>(00020) | TEMPERATURE WATER<br>(DEG C)<br>(00010) | CALCIUM TOTAL RECOVERABLE<br>(MG/L)<br>(00916) | MAGNESIUM, TOTAL RECOVERABLE<br>(MG/L)<br>(00927) |
|-----------|------|---|--|---|---|--|--|---------------------------------------|---|--|---|
| JUN 15... | 1210 | 81213   | <15  | 7.1   | 88  | 7.3  | 70   | 33.0                                  | 26.7                                    | 7.7  | 1.0   |
| OCT 19... | 1155 | 81213   | 62   | 9.1   | 95  | 7.0  | 46   | 27.0                                  | 17.4                                    | 5.1  | 1.0   |

| DATE      | ANTI-MONY, TOTAL (UG/L)<br>(01097) | ARSENIC TOTAL (UG/L)<br>(01002) | CADMIUM WATER UNFLTRD TOTAL (UG/L)<br>(01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L)<br>(01034) | COPPER, TOTAL RECOVERABLE (UG/L)<br>(01042) | LEAD, TOTAL RECOVERABLE (UG/L)<br>(01051) | MERCURY TOTAL RECOVERABLE (UG/L)<br>(71900) | NICKEL, TOTAL RECOVERABLE (UG/L)<br>(01067) | SELENIUM, TOTAL (UG/L)<br>(01147) | THALIUM, TOTAL (UG/L)<br>(01059) | ZINC, TOTAL RECOVERABLE (UG/L)<br>(01092) |
|-----------|------------------------------------|---------------------------------|---|---|---|---|---|---|-----------------------------------|----------------------------------|---|
| JUN 15... | <1.0                               | <2.0                            | <.5   | <1.0  | <1.0  | <1.0                                      | <.1   | <1.0  | <2.0                              | <2.0                             | 4.1                                       |
| OCT 19... | <1.0                               | <4.0                            | <.5   | <1.0  | <2.0  | <2.0                                      | <.1   | <1.0  | <4.0                              | <2.0                             | <2.0                                      |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 31°45'52", long 84°15'12", Lee County, Hydrologic Unit 03130007, at bridge on Prison Farm Road, 3.6 miles west of US Highway 19, 5.2 miles northwest of Leesburg, and, near Dawson.

**DRAINAGE AREA.--**527 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**April 1995 to December 1995, January 2000 to December 2000 (discontinued).

**REMARKS.--**The streamflow gaging station at this site is located on a bridge pier on the downstream side of the 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.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|--|---|--|--|
| JAN   |      |   |   |   |   |   |  |   |  |  |
| 26... | 1110 | 81213   | 732   | 1.0   | 8   | 12                                      | 11.3   | 89  | 6.9  | 6.7  |
| FEB   |      |   |   |   |   |   |  |   |  |  |
| 23... | 1235 | 81213   | 272   | .5  | 4   | 5.7                                     | 10.5   | 95  | 7.2  | 7.2  |
| MAR   |      |   |   |   |   |   |  |   |  |  |
| 08... | 0910 | 81213   | 296   | --  | --  | --                                      | 8.8  | 85  | 7.2  | --   |
| 15... | 0905 | 81213   | 532   | --  | --  | --                                      | 9.6  | 89  | 7.0  | --   |
| 22... | 1215 | 81213   | 578   | .7  | 11  | 12                                      | 9.1  | 91  | 6.9  | 7.0  |
| APR   |      |   |   |   |   |   |  |   |  |  |
| 04... | 1150 | 81213   | 1570  | --  | --  | --                                      | 6.0  | 62  | 6.4  | --   |
| 12... | 1135 | 81213   | 306   | --  | --  | --                                      | 5.5  | 55  | 7.1  | --   |
| 19... | 1500 | 81213   | 296   | .8  | 6   | 9.5                                     | 9.0  | 98  | 7.1  | 7.3  |
| MAY   |      |   |   |   |   |   |  |   |  |  |
| 03... | 0955 | 81213   | 166   | .9  | 5   | 7.1                                     | 8.6  | 93  | 7.4  | 7.3  |
| JUN   |      |   |   |   |   |   |  |   |  |  |
| 14... | 0855 | 81213   | 33  | .8  | 3   | 2.6                                     | 5.9  | 74  | 7.4  | 7.5  |
| 20... | 1145 | 81213   | 43  | --  | --  | --                                      | 6.9  | 88  | 7.4  | --   |
| 27... | 1210 | 81213   | 49  | --  | --  | --                                      | 7.1  | 88  | 7.2  | --   |
| JUL   |      |   |   |   |   |   |  |   |  |  |
| 12... | 0925 | 81213   | 41  | .4  | 3   | 2.0                                     | 6.2  | 78  | 7.3  | 7.5  |
| AUG   |      |   |   |   |   |   |  |   |  |  |
| 09... | 0935 | 81213   | 102   | .5  | 2   | 5.1                                     | 6.9  | 87  | 7.2  | 7.3  |
| SEP   |      |   |   |   |   |   |  |   |  |  |
| 20... | 1000 | 81213   | 76  | .3  | 2   | 3.5                                     | 7.9  | 90  | 7.1  | 7.4  |
| 25... | 1215 | 81213   | 453   | --  | --  | --                                      | 7.3  | 87  | --   | --   |
| OCT   |      |   |   |   |   |   |  |   |  |  |
| 03... | 1305 | 81213   | 119   | --  | --  | --                                      | 8.5  | 94  | 6.8  | --   |
| 18... | 1040 | 81213   | 91  | .4  | 2   | 3.0                                     | 9.0  | 92  | 7.0  | 7.6  |
| NOV   |      |   |   |   |   |   |  |   |  |  |
| 29... | 1030 | 81213   | 303   | 1.0   | 3   | 5.4                                     | 10.4   | 92  | 6.6  | 7.1  |
| DEC   |      |   |   |   |   |   |  |   |  |  |
| 13... | 1110 | 81213   | 187   | .4  | 2   | 3.5                                     | 10.4   | 92  | 7.0  | 7.3  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|---|---|---|---|--|---|
| JAN   |   |   |   |   |   |   |   |   |  |   |
| 26... | 46  | 43  | 1.0   | 5.4   | 11  | .05   | .3  | .050  | 5.5  | 3500  |
| FEB   |   |   |   |   |   |   |   |   |  |   |
| 23... | 56  | 53  | 20.0  | 11.5  | 18  | .04   | .3  | <.020   | 2.5  | 50  |
| MAR   |   |   |   |   |   |   |   |   |  |   |
| 08... | --  | 50  | 18.0  | 14.2  | --  | --  | --  | --  | --   | 70  |
| 15... | --  | 41  | 13.0  | 12.3  | --  | --  | --  | --  | --   | 170   |
| 22... | 51  | 49  | 19.5  | 15.5  | 16  | .04   | .2  | .040  | 6.8  | 130   |
| APR   |   |   |   |   |   |   |   |   |  |   |
| 04... | --  | 35  | 17.0  | 16.6  | --  | --  | --  | --  | --   | 140   |
| 12... | --  | 52  | 28.0  | 15.9  | --  | --  | --  | --  | --   | <20   |
| 19... | 52  | 52  | 27.0  | 19.3  | 19  | .07   | .3  | <.020   | 3.2  | <20   |
| MAY   |   |   |   |   |   |   |   |   |  |   |
| 03... | 59  | 56  | 24.0  | 19.5  | 22  | .06   | .4  | <.020   | 2.3  | --  |
| JUN   |   |   |   |   |   |   |   |   |  |   |
| 14... | 78  | 98  | 27.0  | 27.1  | 31  | .04   | .3  | <.020   | 2.6  | 20  |
| 20... | --  | 75  | 36.5  | 28.0  | --  | --  | --  | --  | --   | 40  |
| 27... | --  | 73  | 35.5  | 27.0  | --  | --  | --  | --  | --   | 110   |
| JUL   |   |   |   |   |   |   |   |   |  |   |
| 12... | 78  | 77  | 27.5  | 27.0  | 31  | .04   | .4  | <.020   | 3.1  | <20   |
| AUG   |   |   |   |   |   |   |   |   |  |   |
| 09... | 52  | 51  | 29.5  | 27.3  | 18  | .04   | .3  | <.020   | 2.5  | --  |
| SEP   |   |   |   |   |   |   |   |   |  |   |
| 20... | 63  | 61  | 26.5  | 21.8  | 21  | .06   | .4  | .020  | 3.4  | 20  |
| 25... | --  | 58  | 34.0  | 24.1  | --  | --  | --  | --  | --   | 790   |
| OCT   |   |   |   |   |   |   |   |   |  |   |
| 03... | --  | 65  | 28.5  | 20.4  | --  | --  | --  | --  | --   | 20  |
| 18... | 63  | 61  | 26.0  | 16.6  | 21  | .04   | .5  | <.020   | 2.2  | 130   |
| NOV   |   |   |   |   |   |   |   |   |  |   |
| 29... | 55  | 52  | 12.0  | 10.3  | 12  | .04   | .2  | .030  | 3.7  | --  |
| DEC   |   |   |   |   |   |   |   |   |  |   |
| 13... | 62  | 58  | 7.0   | 10.4  | 17  | .05   | .3  | <.020   | 2.8  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD)<br>UNITS<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|--|---|---|---|--|--|---|---|--|--|
| JUN<br>14... | 0855 | 81213  | 33  | 5.9   | 74  | 7.4  | 98   | 27.0  | 27.1  | 12   | 1  |
| OCT<br>18... | 1040 | 81213  | 91  | 9.0   | 92  | 7.0  | 61   | 26.0  | 16.6  | 7.9  | 1.0  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| JUN<br>14... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 2.6  |
| OCT<br>18... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02351160 FOWLTOWN CREEK AT PALMYRA ROAD, NEAR LEESBURG, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 31°38'58", long 84°11'50", Lee County, Hydrologic Unit 03130007, at bridge on Palmyra Road, 412 feet upstream from the confluence with Kinchafoonee Creek, and 6.8 miles southwest of Leesburg.

**PERIOD OF RECORD.--**January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(00028) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>TUR-<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>ARDS)<br>UNITS<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>ARDS)<br>UNITS<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) |      |
|-------|------|---|---|--|---|--|--|--|---|---|---|---|------|
| JAN   |      |   |   |  |   |  |  |  |   |   |   |   |      |
| 26... | 1300 | 81213   | 1.3   | 1  | 1.3                                     | 10.9   | 89.2   | 7.9  | 8.0   | 199   | 198   | 5.0   | 7.1  |
| FEB   |      |   |   |  |   |  |  |  |   |   |   |   |      |
| 23... | 0935 | 81213   | 1.0   | 2  | 1.4                                     | 8.8  | 81.9   | 8.1  | 7.9   | 285   | 286   | 15.5  | 12.8 |
| MAR   |      |   |   |  |   |  |  |  |   |   |   |   |      |
| 08... | 0825 | 81213   | --  | --   | --                                      | 8.6  | 87.3   | 7.9  | --  | --  | 293   | 14.5  | 16.7 |
| 15... | 0825 | 81213   | --  | --   | --                                      | 8.4  | 83.4   | 7.8  | --  | --  | 257   | 15.0  | 15.4 |
| 22... | 0810 | 81213   | 1.3   | 2  | 2.1                                     | 9.6  | 98.4   | 7.9  | 8.0   | 260   | 263   | 13.0  | 16.9 |
| APR   |      |   |   |  |   |  |  |  |   |   |   |   |      |
| 04... | 1345 | 81213   | --  | --   | --                                      | 8.7  | 96.8   | 8.1  | --  | --  | 322   | 15.5  | 20.6 |
| 12... | 1215 | 81213   | --  | --   | --                                      | 10.7   | 114  | 7.9  | --  | --  | 307   | 26.0  | 19.0 |
| 19... | 1545 | 81213   | 1.4   | 3  | 1.4                                     | 10.2   | 119  | 8.0  | 8.2   | 277   | 276   | 26.0  | 23.1 |
| MAY   |      |   |   |  |   |  |  |  |   |   |   |   |      |
| 03... | 1110 | 81213   | 1.5   | 2  | 1.2                                     | 7.6  | 86.0   | 7.7  | 7.7   | 259   | 261   | 28.0  | 22.1 |
| JUN   |      |   |   |  |   |  |  |  |   |   |   |   |      |
| 14... | 1005 | 81213   | .9  | 2  | .9                                      | 3.8  | 44.0   | 8.1  | 8.1   | 363   | 371   | 30.5  | 22.8 |
| 20... | 1225 | 81213   | --  | --   | --                                      | 5.4  | 64.6   | 7.8  | --  | --  | 364   | 34.0  | 24.9 |
| 27... | 1250 | 81213   | --  | --   | --                                      | 8.2  | 100  | 7.8  | --  | --  | 361   | 29.0  | 25.8 |
| JUL   |      |   |   |  |   |  |  |  |   |   |   |   |      |
| 12... | 1015 | 81213   | .4  | 11   | 5.6                                     | 5.0  | 59.0   | 7.8  | 8.2   | 344   | 352   | 28.0  | 23.5 |
| AUG   |      |   |   |  |   |  |  |  |   |   |   |   |      |
| 09... | 1055 | 81213   | .5  | 5  | 3.5                                     | 5.1  | 60.9   | 7.8  | 8.2   | 351   | 352   | 29.5  | 24.5 |
| SEP   |      |   |   |  |   |  |  |  |   |   |   |   |      |
| 20... | 1055 | 81213   | .4  | 9  | 3.6                                     | 5.8  | 65.6   | 7.6  | 8.2   | 397   | 403   | 28.5  | 21.2 |
| 25... | 1255 | 81213   | --  | --   | --                                      | 5.5  | 66.9   | --   | --  | --  | 409   | 30.5  | 25.0 |
| OCT   |      |   |   |  |   |  |  |  |   |   |   |   |      |
| 03... | 1350 | 81213   | --  | --   | --                                      | 6.4  | 71.6   | 7.5  | --  | --  | 400   | 27.0  | 20.9 |
| 18... | 1155 | 81213   | .5  | 1  | .7                                      | 7.0  | 75.0   | 7.6  | 8.3   | 385   | 394   | 25.0  | 18.9 |
| NOV   |      |   |   |  |   |  |  |  |   |   |   |   |      |
| 29... | 1125 | 81213   | .8  | 1  | 1.0                                     | 6.4  | 58.5   | 7.4  | 8.2   | 377   | 391   | 19.0  | 11.8 |
| DEC   |      |   |   |  |   |  |  |  |   |   |   |   |      |
| 13... | 1205 | 81213   | 1.1   | 2  | 1.2                                     | 6.2  | 54.9   | 7.6  | 8.0   | 387   | 392   | 9.5   | 10.5 |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02351160 FOWLTOWN CREEK AT PALMYRA ROAD, NEAR LEESBURG, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|---|---|---|--|---|
| JAN   |  |   |   |   |  |   |
| 26... | 88   | .04   | .4  | <.020   | 2.5  | 170   |
| FEB   |  |   |   |   |  |   |
| 23... | 141  | .05   | .2  | <.020   | 2.1  | 20  |
| MAR   |  |   |   |   |  |   |
| 08... | --   | --  | --  | --  | --   | 70  |
| 15... | --   | --  | --  | --  | --   | 20  |
| 22... | 128  | .04   | .1  | <.020   | 3.0  | 50  |
| APR   |  |   |   |   |  |   |
| 04... | --   | --  | --  | --  | --   | 20  |
| 12... | --   | --  | --  | --  | --   | <20   |
| 19... | 133  | .06   | .5  | <.020   | 1.3  | 20  |
| MAY   |  |   |   |   |  |   |
| 03... | 128  | .02   | .2  | <.020   | 2.8  | --  |
| JUN   |  |   |   |   |  |   |
| 14... | 179  | .06   | 1.2   | <.020   | 1.2  | 20  |
| 20... | --   | --  | --  | --  | --   | 330   |
| 27... | --   | --  | --  | --  | --   | 80  |
| JUL   |  |   |   |   |  |   |
| 12... | 174  | .08   | .7  | .040  | 2.1  | 80  |
| AUG   |  |   |   |   |  |   |
| 09... | 178  | .06   | 1.1   | .020  | 1.4  | --  |
| SEP   |  |   |   |   |  |   |
| 20... | 195  | .05   | 1.0   | .040  | 2.9  | 700   |
| 25... | --   | --  | --  | --  | --   | 330   |
| OCT   |  |   |   |   |  |   |
| 03... | --   | --  | --  | --  | --   | 940   |
| 18... | 196  | .04   | 1.0   | <.020   | 1.7  | 330   |
| NOV   |  |   |   |   |  |   |
| 29... | 193  | .06   | .3  | <.020   | 2.2  | --  |
| DEC   |  |   |   |   |  |   |
| 13... | 193  | .09   | .4  | <.020   | 2.2  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02351160 FOWLTOWN CREEK AT PALMYRA ROAD, NEAR LEESBURG, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN,   | PH   | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)     | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                    | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>AS CA)<br>(00916)                 | MAGNE-  | ANTI-  | ARSENIC | CADMIUM |                                     |
|--------------|------|---|---|--|--|--|--|---|---|--|---------|---------|-------------------------------------|
|              |      |   | DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00300)<br>(00301) | WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400)     |  |  |  |   | SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>AS MG)<br>(00927)                   |  |         |         | MONY,<br>TOTAL<br>AS SB)<br>(01097) |
| JUN<br>14... | 1005 | 81213   | 3.8   | 44.0   | 8.1  | 371  | 30.5   | 22.8  | 74  | 1  | <1.0    | <2.0    | <.5                                 |
| OCT<br>18... | 1155 | 81213   | 7.0   | 75.0   | 7.6  | 394  | 25.0   | 18.9  | 79  | 1  | <1.0    | <4.0    | <.5                                 |
|              |      |   | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |         |         |                                     |
| JUN<br>14... |      |   | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 1.9  |         |         |                                     |
| OCT<br>18... |      |   | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | 4.8   | <2.0  | <2.0   |         |         |                                     |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02351500 MUCKALEE CREEK NEAR AMERICUS, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 32°04'59", long 84°15'29", Sumter County, Hydrologic Unit 03130007, at bridge on Georgia Highway 80, 1.0 mile west of Americus.

**DRAINAGE AREA.**--140 mi<sup>2</sup>.

**PERIOD OF RECORD.**--April 1995 to December 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|--|---|--|--|
| JAN   |      |   |   |   |   |   |  |   |  |  |
| 27... | 0925 | 81213   | 190   | 1.3   | 5   | 8.7                                     | 12.2   | 90  | 6.9  | 6.7  |
| FEB   |      |   |   |   |   |   |  |   |  |  |
| 24... | 0810 | 81213   | 75  | .5  | 3   | 4.4                                     | 9.9  | 88  | 7.3  | 7.1  |
| MAR   |      |   |   |   |   |   |  |   |  |  |
| 09... | 0800 | 81213   | 76  | --  | --  | --                                      | 8.6  | 85  | 7.1  | --   |
| 16... | 0805 | 81213   | 110   | --  | --  | --                                      | 8.8  | 87  | 7.0  | --   |
| 23... | 0820 | 81213   | 119   | --  | 10  | 8.3                                     | 8.3  | 83  | 7.1  | 7.1  |
| APR   |      |   |   |   |   |   |  |   |  |  |
| 05... | 0850 | 81213   | 175   | --  | --  | --                                      | 7.9  | 76  | 6.8  | --   |
| 06... | 0900 | 81213   | 115   | --  | --  | --                                      | 8.4  | 80  | 7.0  | --   |
| 12... | 0645 | 81213   | 90  | --  | --  | --                                      | 8.6  | 86  | 7.0  | --   |
| 20... | 0810 | 81213   | 76  | .9  | 8   | 11                                      | 8.0  | 83  | 7.1  | 7.1  |
| MAY   |      |   |   |   |   |   |  |   |  |  |
| 04... | 0710 | 81213   | 36  | .7  | 7   | 9.8                                     | 7.9  | 85  | 7.2  | 7.2  |
| JUN   |      |   |   |   |   |   |  |   |  |  |
| 15... | 0705 | 81213   | 7.8   | 2.2   | 5   | 4.2                                     | 6.1  | 74  | 7.2  | 7.2  |
| 20... | 0625 | 81213   | 14  | --  | --  | --                                      | 6.7  | 80  | 7.2  | --   |
| 27... | 0640 | 81213   | 26  | --  | --  | --                                      | 6.2  | 76  | 6.9  | --   |
| JUL   |      |   |   |   |   |   |  |   |  |  |
| 13... | 0705 | 81213   | 16  | .4  | 4   | 4.7                                     | 6.4  | 79  | 7.2  | 7.3  |
| AUG   |      |   |   |   |   |   |  |   |  |  |
| 10... | 0715 | 81213   | 15  | .6  | 6   | 5.0                                     | 6.6  | 82  | 7.2  | 7.2  |
| SEP   |      |   |   |   |   |   |  |   |  |  |
| 21... | 0805 | 81213   | 21  | 1.5   | 2   | 4.3                                     | 7.6  | 87  | 7.0  | 7.4  |
| 25... | 0715 | 81213   | 91  | --  | --  | --                                      | 7.2  | 85  | --   | --   |
| OCT   |      |   |   |   |   |   |  |   |  |  |
| 03... | 0715 | 81213   | 29  | --  | --  | --                                      | 8.6  | 90  | 7.0  | --   |
| 19... | 0730 | 81213   | 27  | .5  | 3   | 3.8                                     | 9.1  | 92  | 7.3  | 7.3  |
| NOV   |      |   |   |   |   |   |  |   |  |  |
| 30... | 0840 | 81213   | 69  | .9  | 2   | 4.0                                     | 9.7  | 85  | 6.5  | 7.2  |
| DEC   |      |   |   |   |   |   |  |   |  |  |
| 14... | 0910 | 81213   | 73  | .5  | 3   | 3.9                                     | 10.6   | 92  | 7.0  | 7.3  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02351500 MUCKALEE CREEK NEAR AMERICUS, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|---|---|---|---|--|---|
| JAN   |   |  |   |   |   |   |   |   |  |   |
| 27... | 51  | 49   | -5.0  | 3.0   | 11  | .09   | .4  | .040  | 2.6  | 210   |
| FEB   |   |  |   |   |   |   |   |   |  |   |
| 24... | 58  | 52   | 12.5  | 10.7  | 18  | .06   | .3  | <.020   | 2.4  | 80  |
| MAR   |   |  |   |   |   |   |   |   |  |   |
| 09... | --  | 57   | 15.0  | 14.7  | --  | --  | --  | --  | --   | 330   |
| 16... | --  | 52   | 18.0  | 14.8  | --  | --  | --  | --  | --   | 170   |
| 23... | 58  | 58   | 13.5  | 15.5  | 17  | .05   | .2  | .040  | 2.6  | --  |
| APR   |   |  |   |   |   |   |   |   |  |   |
| 05... | --  | 49   | 13.0  | 13.9  | --  | --  | --  | --  | --   | 330   |
| 06... | --  | 50   | 17.0  | 13.3  | --  | --  | --  | --  | --   | 120   |
| 12... | --  | 50   | 12.0  | 15.2  | --  | --  | --  | --  | --   | 70  |
| 20... | 56  | 56   | 21.5  | 17.1  | 18  | .09   | .2  | .030  | 2.9  | <20   |
| MAY   |   |  |   |   |   |   |   |   |  |   |
| 04... | 58  | 56   | 19.5  | 19.3  | 20  | .08   | .3  | .030  | 3.1  | --  |
| JUN   |   |  |   |   |   |   |   |   |  |   |
| 15... | 52  | 54   | 24.5  | 24.7  | 16  | .10   | .2  | .020  | 2.8  | 50  |
| 20... | --  | 81   | 24.0  | 24.5  | --  | --  | --  | --  | --   | 110   |
| 27... | --  | 42   | 23.0  | 26.0  | --  | --  | --  | --  | --   | 130   |
| JUL   |   |  |   |   |   |   |   |   |  |   |
| 13... | 59  | 61   | 25.5  | 26.1  | 22  | .09   | .2  | .020  | 2.7  | 490   |
| AUG   |   |  |   |   |   |   |   |   |  |   |
| 10... | 68  | 67   | 24.0  | 27.0  | 21  | .08   | .1  | <.020   | 3.3  | --  |
| SEP   |   |  |   |   |   |   |   |   |  |   |
| 21... | 67  | 64   | 24.5  | 22.7  | 22  | .06   | .2  | .020  | 2.4  | <20   |
| 25... | --  | 78   | 27.5  | 23.3  | --  | --  | --  | --  | --   | 90  |
| OCT   |   |  |   |   |   |   |   |   |  |   |
| 03... | --  | 81   | 13.0  | 17.6  | --  | --  | --  | --  | --   | 170   |
| 19... | 67  | 64   | 15.5  | 16.1  | 21  | .06   | .2  | <.020   | 2.6  | 130   |
| NOV   |   |  |   |   |   |   |   |   |  |   |
| 30... | 65  | 65   | 3.5   | 10.0  | 15  | .05   | .3  | <.020   | 3.1  | --  |
| DEC   |   |  |   |   |   |   |   |   |  |   |
| 14... | 72  | 69   | 10.5  | 9.2   | 17  | .08   | .7  | <.020   | 2.6  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02351500 MUCKALEE CREEK NEAR AMERICUS, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME  | AGENCY<br>ANALYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-  | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300)                   | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)           | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|---|--|---|--|---|--|--|---|---|--|--|
|              |   |  | CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) |  |   |  |  |   |   |  |  |
| JUN<br>15... | 0705  | 81213  | 7.8   | 6.1  | 74  | 7.2  | 54   | 24.5  | 24.7  | 4.1  | 1.2  |
| OCT<br>19... | 0730  | 81213  | 27  | 9.1  | 92  | 7.3  | 64   | 15.5  | 16.1  | 5.4  | 1.5  |
| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002)               | CADMIUM   | CHRO-  | COPPER,   | LEAD,  | MERCURY  | NICKEL,   | SELE-   | THAL-  | ZINC,  |
|              |   |  | WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027)       | MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042)                   | TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051)              | TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900)      | TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147)    | LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059)                       | TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092)                    |
| JUN<br>15... | <1.0  | 2.1  | <.5   | 1.4  | <1.0  | <1.0   | <.1  | 1.6   | <2.0  | <2.0   | 1.8  |
| OCT<br>19... | <1.0  | <4.0   | <.5   | <1.0   | <2.0  | 2.4  | <.1  | <1.0  | <4.0  | <2.0   | 8.1  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02351700 MUCKALEE CREEK AT GEORGIA HIGHWAY 118,  
NEAR SMITHVILLE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 31°53'43", long 84°11'52", Lee County, Hydrologic Unit 03130007, at bridge on Georgia Highway 118, 4.9 miles upstream from Boggy Branch, and 3.3 miles east of Smithville.

**DRAINAGE AREA.**--265 mi<sup>2</sup>.

**PERIOD OF RECORD.**--January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY ANA-LYZING SAMPLE NUMBER (00028) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530) | TUR-BID-ITY (NTU) (00076) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | PH WATER WHOLE FIELD (STAND-ARD) UNITS) (00400) | PH WATER WHOLE LAB (STAND-ARD) UNITS) (00403) |
|-------|------|---|---|---|--|---------------------------|-----------------------------------|---|---|---|
| JAN   |      |   |   |   |  |                           |                                   |   |   |   |
| 27... | 1510 | 81213                                   | 440   | 1.5   | 4  | 9.5                       | 12.9                              | 97  | 6.5   | 6.5   |
| FEB   |      |   |   |   |  |                           |                                   |   |   |   |
| 24... | 1205 | 81213                                   | 127   | .5  | <1   | 5.4                       | 9.6                               | 89  | 7.2   | 7.1   |
| MAR   |      |   |   |   |  |                           |                                   |   |   |   |
| 09... | 1035 | 81213                                   | 134   | --  | --   | --                        | 8.7                               | 87  | 7.1   | --  |
| 16... | 1105 | 81213                                   | 195   | --  | --   | --                        | 8.2                               | 82  | 7.0   | --  |
| 23... | 1200 | 81213                                   | 276   | --  | 7  | 8.1                       | 8.3                               | 83  | 7.0   | 7.1   |
| APR   |      |   |   |   |  |                           |                                   |   |   |   |
| 05... | 0800 | 81213                                   | 348   | --  | --   | --                        | 7.1                               | 69  | 6.9   | --  |
| 12... | 0915 | 81213                                   | 156   | --  | --   | --                        | 7.9                               | 79  | 7.1   | --  |
| 17... | 1250 | 81213                                   | 222   | --  | --   | --                        | 8.3                               | 88  | 6.8   | --  |
| 19... | 0900 | 81213                                   | 170   | 1.0   | 10   | 12                        | 8.6                               | 90  | 7.0   | 7.1   |
| MAY   |      |   |   |   |  |                           |                                   |   |   |   |
| 04... | 1055 | 81213                                   | 68  | .8  | 14   | 14                        | 7.4                               | 82  | 7.2   | 7.2   |
| JUN   |      |   |   |   |  |                           |                                   |   |   |   |
| 15... | 1300 | 81213                                   | 22  | 1.0   | 4  | 3.6                       | 6.4                               | 79  | 7.5   | 7.5   |
| 20... | 1000 | 81213                                   | 27  | --  | --   | --                        | 5.8                               | 71  | 7.2   | --  |
| 27... | 1025 | 81213                                   | 52  | --  | --   | --                        | 6.0                               | 73  | 7.0   | --  |
| JUL   |      |   |   |   |  |                           |                                   |   |   |   |
| 13... | 1110 | 81213                                   | 7.0   | .5  | 8  | 7.3                       | 6.3                               | 77  | 7.3   | 7.6   |
| AUG   |      |   |   |   |  |                           |                                   |   |   |   |
| 10... | 1200 | 81213                                   | 29  | .5  | 5  | 3.9                       | 6.0                               | 74  | 7.2   | 7.4   |
| SEP   |      |   |   |   |  |                           |                                   |   |   |   |
| 21... | 1245 | 81213                                   | <6.0  | 1.4   | 2  | 3.9                       | 7.2                               | 83  | --  | 7.4   |
| 25... | 1035 | 81213                                   | 217   | --  | --   | --                        | 6.0                               | 72  | 5.9   | --  |
| OCT   |      |   |   |   |  |                           |                                   |   |   |   |
| 03... | 1115 | 81213                                   | 45  | --  | --   | --                        | 7.6                               | 83  | 6.9   | --  |
| 19... | 1255 | 81213                                   | 43  | .6  | 8  | 6.2                       | 8.2                               | 87  | 7.1   | 7.4   |
| NOV   |      |   |   |   |  |                           |                                   |   |   |   |
| 30... | 1330 | 81213                                   | 124   | .8  | 2  | 3.9                       | 9.3                               | 85  | 6.4   | 7.2   |
| DEC   |      |   |   |   |  |                           |                                   |   |   |   |
| 14... | 1355 | 81213                                   | 115   | .4  | 4  | 3.7                       | 9.5                               | 86  | 6.8   | 7.1   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02351700 MUCKALEE CREEK AT GEORGIA HIGHWAY 118,  
NEAR SMITHVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 27... | 51  | 48  | 6.0   | 3.8   | 9  | .06   | .4  | .060  | 5.0  | 1100  |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 24... | 70  | 67  | 22.0  | 12.8  | 20   | .08   | .4  | .040  | 2.9  | 40  |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 09... | --  | 69  | 21.5  | 15.9  | --   | --  | --  | --  | --   | 230   |
| 16... | --  | 65  | 22.5  | 15.3  | --   | --  | --  | --  | --   | 330   |
| 23... | 64  | 61  | 19.0  | 15.8  | 17   | .03   | .3  | .060  | 3.8  | --  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 05... | --  | 59  | 8.5   | 14.6  | --   | --  | --  | --  | --   | 170   |
| 12... | --  | 64  | 21.0  | 16.0  | --   | --  | --  | --  | --   | 50  |
| 17... | --  | 65  | 28.5  | 18.2  | --   | --  | --  | --  | --   | 90  |
| 19... | 67  | 67  | 18.0  | 17.8  | 20   | .11   | .3  | .070  | 3.5  | 80  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 04... | 80  | 78  | 27.5  | 20.5  | 25   | .16   | .5  | .160  | 2.7  | --  |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 15... | 121   | 124   | 30.0  | 26.2  | 33   | .09   | .6  | .170  | 3.0  | 20  |
| 20... | --  | 106   | 28.0  | 25.8  | --   | --  | --  | --  | --   | 80  |
| 27... | --  | 98  | 28.5  | 25.4  | --   | --  | --  | --  | --   | 50  |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 13... | 113   | 113   | 29.5  | 25.2  | 33   | .11   | .8  | .140  | 2.2  | 790   |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 10... | 98  | 98  | 29.0  | 25.7  | 28   | .07   | .5  | .100  | 2.4  | --  |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 21... | 99  | 99  | --  | 22.9  | 26   | .06   | .8  | .250  | 2.9  | <20   |
| 25... | --  | 72  | 34.5  | 24.1  | --   | --  | --  | --  | --   | 330   |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 03... | --  | 92  | 25.0  | 19.7  | --   | --  | --  | --  | --   | 80  |
| 19... | 93  | 91  | 28.0  | 18.6  | 24   | .03   | .8  | .170  | 3.3  | 330   |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 30... | 81  | 77  | 19.0  | 11.4  | 17   | .09   | .6  | .080  | 3.2  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 14... | 82  | 77  | 20.0  | 11.3  | 19   | .06   | .6  | .060  | 3.5  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02351700 MUCKALEE CREEK AT GEORGIA HIGHWAY 118,  
NEAR SMITHVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, (PER-CENT SATURATION) (00301) | PH WATER WHOLE FIELD (STANDARD UNITS) (00400) | SPECIFIC CONDUCTANCE (US/CM) (00095) | TEMPERATURE AIR (DEG C) (00020) | TEMPERATURE WATER (DEG C) (00010) | CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916) | MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927) |
|-----------|------|--|---|-----------------------------------|---------------------------------------|---|--------------------------------------|---------------------------------|-----------------------------------|--|---|
| JUN 15... | 1300 | 81213                                  | 22  | 6.4                               | 79                                    | 7.5   | 124                                  | 30.0                            | 26.2                              | 10   | 1.2   |
| OCT 19... | 1255 | 81213                                  | 43  | 8.2                               | 87                                    | 7.1   | 91                                   | 28.0                            | 18.6                              | 7.2  | 1.3   |

| DATE      | ANTI-MONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | SELENIUM, TOTAL (UG/L AS SE) (01147) | THALLIUM, TOTAL (UG/L AS TL) (01059) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|-----------|---------------------------------------|------------------------------------|--|--|--|--|--|--|--------------------------------------|--------------------------------------|--|
| JUN 15... | <1.0                                  | <2.0                               | <.5  | <1.0   | <1.0   | <1.0   | <.1  | <1.0   | <2.0                                 | <2.0                                 | 3.0  |
| OCT 19... | <1.0                                  | <4.0                               | <.5  | <1.0   | <2.0   | <2.0   | <.1  | <1.0   | <4.0                                 | <2.0                                 | 5.1  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02351870 MUCKALOOCHEE CREEK AT SMITHVILLE ROAD,  
NEAR STARKSVILLE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 31°48'48", long 84°10'20", Lee County, Hydrologic Unit 03130007, at bridge on Smithville Road, 1.1 miles upstream from the confluence with Muckalee Creek, and 3.6 miles northwest of Starksville.

**PERIOD OF RECORD.--**January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER)<br>(00028) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>TUR-<br>SUS-<br>PENDE<br>D<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) |      |
|-------|------|--|---|--|---|---|--|--|---|---|---|---|------|
| JAN   |      |  |   |  |   |   |  |  |   |   |   |   |      |
| 26... | 1020 | 81213  | .9  | <1   | 9.1                                     | 10.3  | 76.9   | 6.7  | 6.8   | 45  | 43  | -1.0  | 3.4  |
| FEB   |      |  |   |  |   |   |  |  |   |   |   |   |      |
| 23... | 1135 | 81213  | .9  | 6  | 7.4                                     | 9.6   | 87.4   | 7.2  | 7.1   | 52  | 49  | 21.0  | 11.8 |
| MAR   |      |  |   |  |   |   |  |  |   |   |   |   |      |
| 08... | 0945 | 81213  | --  | --   | --                                      | 8.1   | 79.3   | 7.0  | --  | --  | 51  | 20.5  | 15.0 |
| 15... | 0940 | 81213  | --  | --   | --                                      | 8.3   | 78.7   | 7.0  | --  | --  | 49  | 19.0  | 13.4 |
| 22... | 1110 | 81213  | .9  | <1   | 12                                      | 7.9   | 77.1   | 7.0  | 7.1   | 55  | 52  | 22.5  | 14.8 |
| APR   |      |  |   |  |   |   |  |  |   |   |   |   |      |
| 04... | 1230 | 81213  | --  | --   | --                                      | 6.6   | 69.8   | 7.0  | --  | --  | 56  | 17.0  | 18.1 |
| 12... | 1025 | 81213  | --  | --   | --                                      | 8.4   | 84.5   | 7.1  | --  | --  | 49  | 23.5  | 16.1 |
| 19... | 1345 | 81213  | .9  | <1   | 8.6                                     | 8.2   | 86.6   | 7.1  | 7.2   | 52  | 52  | 25.5  | 18.2 |
| MAY   |      |  |   |  |   |   |  |  |   |   |   |   |      |
| 03... | 0855 | 81213  | 1.3   | 8  | 9.5                                     | 7.9   | 83.4   | 7.1  | 7.0   | 47  | 45  | 25.0  | 19.0 |
| JUN   |      |  |   |  |   |   |  |  |   |   |   |   |      |
| 14... | 0745 | 81213  | 1.3   | <1   | 7.2                                     | 4.8   | 56.4   | 7.1  | 7.1   | 49  | 48  | 24.0  | 24.2 |
| 20... | 1030 | 81213  | --  | --   | --                                      | 5.9   | 70.6   | 7.1  | --  | --  | 51  | 32.0  | 25.0 |
| 27... | 1055 | 81213  | --  | --   | --                                      | 6.3   | 74.7   | 7.0  | --  | --  | 45  | 29.0  | 24.5 |
| JUL   |      |  |   |  |   |   |  |  |   |   |   |   |      |
| 12... | 0830 | 81213  | .5  | 8  | 7.6                                     | 5.8   | 70.7   | 7.0  | 7.0   | 43  | 42  | 25.5  | 24.9 |
| AUG   |      |  |   |  |   |   |  |  |   |   |   |   |      |
| 09... | 0845 | 81213  | .6  | 6  | 6.8                                     | 6.0   | 73.5   | 7.0  | 7.1   | 40  | 39  | 26.5  | 26.0 |
| SEP   |      |  |   |  |   |   |  |  |   |   |   |   |      |
| 20... | 0910 | 81213  | .6  | 4  | 3.4                                     | 7.2   | 80.2   | 6.9  | 7.0   | 40  | 37  | 24.5  | 21.1 |
| 25... | 1110 | 81213  | --  | --   | --                                      | 5.9   | 69.9   | --   | --  | --  | 66  | 31.0  | 23.7 |
| OCT   |      |  |   |  |   |   |  |  |   |   |   |   |      |
| 03... | 1150 | 81213  | --  | --   | --                                      | 7.6   | 82.1   | 6.2  | --  | --  | 43  | 26.0  | 19.2 |
| 18... | 0930 | 81213  | .6  | 4  | 4.1                                     | 8.1   | 82.2   | 6.9  | 7.1   | 39  | 37  | 20.0  | 16.3 |
| NOV   |      |  |   |  |   |   |  |  |   |   |   |   |      |
| 29... | 0925 | 81213  | .9  | 1  | 3.4                                     | 9.4   | 84.1   | 6.4  | 7.1   | 55  | 53  | 10.0  | 10.8 |
| DEC   |      |  |   |  |   |   |  |  |   |   |   |   |      |
| 13... | 1010 | 81213  | .6  | 3  | 3.1                                     | 9.5   | 83.2   | 6.8  | 7.1   | 56  | 53  | 6.5   | 10.0 |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02351870 MUCKALOOCHEE CREEK AT SMITHVILLE ROAD,  
NEAR STARKSVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|---|---|---|--|---|
| JAN   |  |   |   |   |  |   |
| 26... | 11   | .04   | .3  | .020  | 3.6  | 330   |
| FEB   |  |   |   |   |  |   |
| 23... | 18   | .05   | .3  | <.020   | 2.4  | 80  |
| MAR   |  |   |   |   |  |   |
| 08... | --   | --  | --  | --  | --   | 230   |
| 15... | --   | --  | --  | --  | --   | 330   |
| 22... | 19   | .06   | .2  | .030  | 6.2  | 330   |
| APR   |  |   |   |   |  |   |
| 04... | --   | --  | --  | --  | --   | 110   |
| 12... | --   | --  | --  | --  | --   | 50  |
| 19... | 19   | .09   | .4  | <.020   | 3.3  | 50  |
| MAY   |  |   |   |   |  |   |
| 03... | 16   | .10   | .5  | <.020   | 2.7  | --  |
| JUN   |  |   |   |   |  |   |
| 14... | 18   | .07   | .3  | .030  | 3.0  | 2800  |
| 20... | --   | --  | --  | --  | --   | 1300  |
| 27... | --   | --  | --  | --  | --   | 130   |
| JUL   |  |   |   |   |  |   |
| 12... | 14   | .06   | .4  | .030  | 2.6  | 220   |
| AUG   |  |   |   |   |  |   |
| 09... | 12   | .05   | .3  | <.020   | 2.8  | --  |
| SEP   |  |   |   |   |  |   |
| 20... | 12   | .04   | .3  | .030  | 3.6  | 110   |
| 25... | --   | --  | --  | --  | --   | 310   |
| OCT   |  |   |   |   |  |   |
| 03... | --   | --  | --  | --  | --   | 80  |
| 18... | 12   | .05   | .4  | <.020   | 2.1  | 1300  |
| NOV   |  |   |   |   |  |   |
| 29... | 13   | .04   | .4  | <.020   | 2.8  | --  |
| DEC   |  |   |   |   |  |   |
| 13... | 15   | .10   | .5  | <.020   | 2.5  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02351870 MUCKALOCHEE CREEK AT SMITHVILLE ROAD,  
NEAR STARKSVILLE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) |
|--------------|------|---|---|---|--|--|---|---|--|--|---|--|--|
| JUN<br>14... | 0745 | 81213   | 4.8   | 56.4  | 7.1  | 48   | 24.0  | 24.2  | 5.1  | .9   | <1.0  | 2.7  | <.5  |
| OCT<br>18... | 0930 | 81213   | 8.1   | 82.2  | 6.9  | 37   | 20.0  | 16.3  | 3.4  | .9   | <1.0  | <4.0   | <.5  |

| DATE         | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |     |
|--------------|---|--|--|--|--|---|---|--|-----|
| JUN<br>14... |   | 1.5  | <1.0   | <1.0   | <.1  | 2.5   | <2.0  | <2.0   | 3.9 |
| OCT<br>18... |   | <1.0   | <2.0   | <2.0   | <.1  | <1.0  | <4.0  | <2.0   | 2.3 |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02351890 MUCKALEE CREEK AT GEORGIA HIGHWAY 195, NEAR LEESBURG, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 31°46'34", long 84°08'22", Lee County, Hydrologic Unit 03130007, at bridge on Georgia Highway 195, 75 feet downstream from White Oak Branch, 3.3 miles downstream from Muckaloochee Creek, and 4.0 miles northeast of Leesburg.

**DRAINAGE AREA.**--362 mi<sup>2</sup>.

**PERIOD OF RECORD.**--April 1995 to December 1995, January 2000 to December 2000 (discontinued).

**REMARKS.**--The streamflow gaging station at this site is located on a downstream bridge pier of the Georgia Highway 195 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.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>PER<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT-<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT-<br>SATUR-<br>ATION<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|--|--|---|--|--|--|--|
| JAN   |      |   |   |  |  |   |  |  |  |  |
| 26... | 0920 | 81213   | 419   | 1.0  | 4  | 10                                      | 10.6   | 81   | 7.3  | 7.1  |
| FEB   |      |   |   |  |  |   |  |  |  |  |
| 23... | 1045 | 81213   | 199   | .7   | 4  | 5.7                                     | 9.8  | 89   | 7.5  | 7.3  |
| MAR   |      |   |   |  |  |   |  |  |  |  |
| 08... | 1025 | 81213   | 238   | --   | --   | --                                      | 8.1  | 81   | 7.1  | --   |
| 15... | 1020 | 81213   | 334   | --   | --   | --                                      | 8.0  | 76   | 6.9  | --   |
| 22... | 0955 | 81213   | 363   | 1.0  | 14   | 13                                      | 7.2  | 72   | 7.2  | 7.1  |
| APR   |      |   |   |  |  |   |  |  |  |  |
| 04... | 1305 | 81213   | 1070  | --   | --   | --                                      | 6.1  | 65   | 6.7  | --   |
| 12... | 1100 | 81213   | 233   | --   | --   | --                                      | 8.1  | 82   | 7.2  | --   |
| 19... | 1230 | 81213   | 247   | .9   | 8  | 8.4                                     | 7.6  | 81   | 7.3  | 7.3  |
| MAY   |      |   |   |  |  |   |  |  |  |  |
| 03... | 0750 | 81213   | 129   | 1.3  | 8  | 8.4                                     | 7.7  | 83   | 7.3  | 7.3  |
| JUN   |      |   |   |  |  |   |  |  |  |  |
| 14... | 0645 | 81213   | 13  | 1.1  | 6  | 3.6                                     | 5.7  | 68   | 7.4  | 7.6  |
| 20... | 1105 | 81213   | 30  | --   | --   | --                                      | 6.4  | 79   | 7.4  | --   |
| 27... | 1130 | 81213   | 34  | --   | --   | --                                      | 6.5  | 79   | 7.3  | --   |
| JUL   |      |   |   |  |  |   |  |  |  |  |
| 12... | 0730 | 81213   | 23  | .8   | 4  | 5.0                                     | 5.9  | 72   | 7.3  | 7.4  |
| AUG   |      |   |   |  |  |   |  |  |  |  |
| 09... | 0745 | 81213   | 71  | .6   | 4  | 5.5                                     | 6.6  | 82   | 7.2  | 7.3  |
| SEP   |      |   |   |  |  |   |  |  |  |  |
| 20... | 0815 | 81213   | 62  | .5   | 5  | 4.0                                     | 7.5  | 83   | 7.3  | 7.7  |
| 25... | 1135 | 81213   | 280   | --   | --   | --                                      | 6.1  | 73   | --   | --   |
| OCT   |      |   |   |  |  |   |  |  |  |  |
| 03... | 1225 | 81213   | 87  | --   | --   | --                                      | 7.7  | 85   | 6.8  | --   |
| 18... | 0810 | 81213   | 69  | .5   | 3  | 3.3                                     | 8.5  | 86   | 7.3  | 7.6  |
| NOV   |      |   |   |  |  |   |  |  |  |  |
| 29... | 0825 | 81213   | 249   | 1.0  | 2  | 4.1                                     | 9.3  | 83   | 6.7  | 7.3  |
| DEC   |      |   |   |  |  |   |  |  |  |  |
| 13... | 0910 | 81213   | 157   | .8   | 2  | 3.0                                     | 9.3  | 83   | 7.1  | 7.3  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02351890 MUCKALEE CREEK AT GEORGIA HIGHWAY 195, NEAR LEESBURG, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|--------------|---|---|---|---|--|---|---|---|--|---|
| JAN<br>26... | 74  | 57  | -2.5  | 4.3   | 20   | .04   | .3  | .060  | 5.8  | 230   |
| FEB<br>23... | 75  | 72  | 19.0  | 11.8  | 24   | .05   | .4  | .040  | 2.7  | 50  |
| MAR<br>08... | --  | 67  | 22.0  | 15.8  | --   | --  | --  | --  | --   | 130   |
| 15...        | --  | 59  | 21.0  | 13.5  | --   | --  | --  | --  | --   | 2400  |
| 22...        | 81  | 79  | 17.5  | 15.5  | 27   | .06   | .2  | .060  | 7.3  | 130   |
| APR<br>04... | --  | 51  | 16.0  | 18.5  | --   | --  | --  | --  | --   | 110   |
| 12...        | --  | 67  | 24.0  | 16.6  | --   | --  | --  | --  | --   | 40  |
| 19...        | 85  | 85  | 23.5  | 18.5  | 30   | .09   | .3  | .060  | 3.6  | <20   |
| MAY<br>03... | 83  | 81  | 18.5  | 19.2  | 27   | .08   | .5  | .080  | 2.6  | --  |
| JUN<br>14... | 115   | 116   | 21.5  | 24.7  | 33   | .06   | .9  | .130  | 3.1  | 790   |
| 20...        | --  | 123   | 32.5  | 26.4  | --   | --  | --  | --  | --   | 310   |
| 27...        | --  | 99  | 29.5  | 25.4  | --   | --  | --  | --  | --   | 20  |
| JUL<br>12... | 97  | 97  | 24.5  | 25.7  | 31   | .06   | .6  | .080  | 2.7  | 70  |
| AUG<br>09... | 76  | 76  | 26.0  | 26.4  | 22   | .05   | .3  | .080  | 2.5  | --  |
| SEP<br>20... | 103   | 101   | 24.0  | 20.6  | 35   | .06   | .4  | .080  | 4.0  | 50  |
| 25...        | --  | 75  | 37.0  | 24.3  | --   | --  | --  | --  | --   | 80  |
| OCT<br>03... | --  | 88  | 26.5  | 20.1  | --   | --  | --  | --  | --   | 130   |
| 18...        | 96  | 93  | 13.0  | 16.0  | 32   | .04   | .5  | .050  | 3.0  | 50  |
| NOV<br>29... | 79  | 78  | 7.0   | 10.9  | 18   | .02   | .2  | .040  | 4.2  | --  |
| DEC<br>13... | 89  | 86  | 6.5   | 10.9  | 25   | .05   | .6  | .020  | 2.9  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02351890 MUCKALEE CREEK AT GEORGIA HIGHWAY 195, NEAR LEESBURG, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE NUMBER (00028) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00301) | PH WATER WHOLE FIELD (STANDARD UNITS) (00400) | SPECIFIC CONDUCTANCE (US/CM) (00095) | TEMPERATURE AIR (DEG C) (00020) | TEMPERATURE WATER (DEG C) (00010) | CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916) | MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927) |
|-----------|------|---|---|---|---|---|--------------------------------------|---------------------------------|-----------------------------------|--|---|
| JUN 14... | 0645 | 81213                                   | 13  | 5.7   | 68  | 7.4   | 116                                  | 21.5                            | 24.7                              | 12   | 1.2   |
| OCT 18... | 0810 | 81213                                   | 69  | 8.5   | 86  | 7.3   | 93                                   | 13.0                            | 16.0                              | 11   | 1.1   |

| DATE      | ANTI-MONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067) | SELENIUM, TOTAL (UG/L AS SE) (01147) | THALIUM, TOTAL (UG/L AS TL) (01059) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092) |
|-----------|---------------------------------------|------------------------------------|--|--|--|--|--|--|--------------------------------------|-------------------------------------|--|
| JUN 14... | <1.0                                  | <2.0                               | <.5  | <1.0   | <1.0   | 2.7  | <.1  | <1.0   | <2.0                                 | <2.0                                | 6.8  |
| OCT 18... | <1.0                                  | <4.0                               | <.5  | <1.0   | <2.0   | <2.0   | <.1  | <1.0   | <4.0                                 | <2.0                                | 6.1  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02352560 FLINT RIVER AT GEORGIA HIGHWAYS 234 AND 133, AT ALBANY, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 31°33'08", long 84°08'46", Dougherty County, Hydrologic Unit 03130008, at bridge on Georgia Highways 234 and 133, 3.7 miles downstream from Muckafoonee Creek, 3.4 miles southeast of the intersection of Georgia Highways 3 and 50, and, at Albany.

**PERIOD OF RECORD.--**January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY ANA-LYZING SAMPLE NUMBER (00028) | DIS-CHARGE, INST. FEET PER SECOND (00061) | OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530) | TUR-BID-ITY (NTU) (00076) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301) | PH WATER (STAND-ARD UNITS) (00400) | PH WATER (STAND-ARD UNITS) (00403) |
|-------|------|---|---|---|--|---------------------------|-----------------------------------|---|------------------------------------|------------------------------------|
| JAN   |      |   |   |   |  |                           |                                   |   |                                    |                                    |
| 26... | 1420 | 81213                                   | 5750                                      | 1.0   | <1   | 13                        | 11.3                              | 96  | 7.2                                | 7.4                                |
| FEB   |      |   |   |   |  |                           |                                   |   |                                    |                                    |
| 23... | 0810 | 81213                                   | 2970                                      | 1.3   | 7  | 8.6                       | 9.9                               | 92  | 7.7                                | 7.5                                |
| MAR   |      |   |   |   |  |                           |                                   |   |                                    |                                    |
| 08... | 0725 | 81213                                   | 4450                                      | --  | --   | --                        | 9.4                               | 96  | 7.5                                | --                                 |
| 15... | 0735 | 81213                                   | 4440                                      | --  | --   | --                        | 9.1                               | 91  | 7.4                                | --                                 |
| 20... | 1550 | 81213                                   | 6340                                      | .7  | 6  | 9.2                       | 8.8                               | 93  | 7.1                                | 7.4                                |
| APR   |      |   |   |   |  |                           |                                   |   |                                    |                                    |
| 04... | 0630 | 81213                                   | 8360                                      | --  | --   | --                        | 8.6                               | 93  | 7.2                                | --                                 |
| 18... | 0900 | 81213                                   | 3950                                      | .9  | 5  | 15                        | 8.7                               | 94  | 7.4                                | 7.5                                |
| MAY   |      |   |   |   |  |                           |                                   |   |                                    |                                    |
| 09... | 0930 | 81213                                   | 3240                                      | .9  | <1   | 7.9                       | 7.4                               | 89  | 7.6                                | 7.6                                |
| 17... | 1350 | 81213                                   | 1090                                      | --  | --   | --                        | 7.2                               | 90  | 7.5                                | --                                 |
| 24... | 1415 | 81213                                   | 1370                                      | --  | --   | --                        | 7.2                               | 92  | 7.4                                | --                                 |
| JUN   |      |   |   |   |  |                           |                                   |   |                                    |                                    |
| 05... | 0800 | 81213                                   | 785                                       | .8  | 6  | 3.7                       | 5.8                               | 75  | 7.7                                | 7.6                                |
| JUL   |      |   |   |   |  |                           |                                   |   |                                    |                                    |
| 24... | 0945 | 81213                                   | 831                                       | 1.1   | 6  | 4.0                       | 6.0                               | 80  | 6.8                                | 7.8                                |
| 27... | 0635 | 81213                                   | 773                                       | --  | --   | --                        | 6.3                               | 82  | 7.4                                | --                                 |
| AUG   |      |   |   |   |  |                           |                                   |   |                                    |                                    |
| 03... | 0650 | 81213                                   | 802                                       | --  | --   | --                        | 8.1                               | 104   | 7.3                                | --                                 |
| 15... | 0900 | 81213                                   | 837                                       | 3.3   | 5  | 4.5                       | 6.0                               | 78  | 7.6                                | 7.5                                |
| SEP   |      |   |   |   |  |                           |                                   |   |                                    |                                    |
| 18... | 1100 | 81213                                   | 740                                       | .8  | 6  | 4.0                       | 6.9                               | 82  | 7.5                                | 7.6                                |
| OCT   |      |   |   |   |  |                           |                                   |   |                                    |                                    |
| 10... | 1015 | 81213                                   | 917                                       | .5  | 3  | 4.4                       | 7.6                               | 84  | 7.7                                | 7.6                                |
| NOV   |      |   |   |   |  |                           |                                   |   |                                    |                                    |
| 07... | 0900 | 81213                                   | 3820                                      | 1.4   | 6  | 4.8                       | 7.4                               | 85  | 7.2                                | 7.6                                |
| 14... | 1430 | 81213                                   | 2830                                      | --  | --   | --                        | 8.0                               | 86  | 7.2                                | --                                 |
| 20... | 1420 | 81213                                   | 3910                                      | --  | --   | --                        | 9.1                               | 87  | 7.2                                | --                                 |
| DEC   |      |   |   |   |  |                           |                                   |   |                                    |                                    |
| 04... | 1100 | 81213                                   | 3040                                      | 1.0   | 6  | 8.1                       | 10.9                              | 97  | 7.4                                | 7.5                                |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02352560 FLINT RIVER AT GEORGIA HIGHWAYS 234 AND 133, AT ALBANY, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 26... | 84  | 85  | 5.0   | 8.4   | 23   | .08   | .5  | .060  | 3.3  | 130   |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 23... | 99  | 107   | 10.5  | 13.0  | 28   | .04   | .6  | .030  | 3.0  | <20   |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 08... | --  | 103   | 13.5  | 16.7  | --   | --  | --  | --  | --   | 20  |
| 15... | --  | 160   | 13.0  | 16.0  | --   | --  | --  | --  | --   | 110   |
| 20... | 99  | 99  | 22.5  | 18.0  | 29   | .06   | .4  | .030  | 3.6  | 50  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 04... | --  | 73  | 16.0  | 19.3  | --   | --  | --  | --  | --   | 40  |
| 18... | 94  | 94  | 17.0  | 19.5  | 31   | .08   | .5  | .030  | 3.9  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 09... | 107   | 107   | 23.2  | 24.0  | 37   | .05   | .5  | .030  | 3.2  | 230   |
| 17... | --  | 118   | 32.0  | 26.6  | --   | --  | --  | --  | --   | 110   |
| 24... | --  | 109   | 33.0  | 27.6  | --   | --  | --  | --  | --   | <20   |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 05... | 118   | 117   | 27.1  | 28.1  | 41   | .08   | .3  | .020  | 2.9  | <20   |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 24... | 129   | 129   | 28.3  | 30.2  | 43   | .09   | .2  | .060  | 2.6  | 130   |
| 27... | --  | 130   | 24.0  | 29.4  | --   | --  | --  | --  | --   | <20   |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 03... | --  | 127   | 23.0  | 28.5  | --   | --  | --  | --  | --   | 50  |
| 15... | 115   | 116   | 32.0  | 29.7  | 35   | .08   | .1  | .030  | 4.4  | 70  |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 18... | 125   | 126   | 18.5  | 24.1  | 34   | .06   | .3  | .060  | 3.4  | --  |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 10... | 132   | 133   | 23.9  | 20.9  | 37   | .10   | .5  | .060  | 2.7  | --  |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 07... | 114   | 115   | 21.8  | 21.6  | 28   | .10   | .3  | .020  | 3.1  | 130   |
| 14... | --  | 117   | 17.0  | 19.1  | --   | --  | --  | --  | --   | 50  |
| 20... | --  | 114   | 14.5  | 14.1  | --   | --  | --  | --  | --   | 170   |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 04... | 108   | 111   | 7.0   | 10.7  | 30   | .08   | .4  | <.020   | 3.3  | 70  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02352560 FLINT RIVER AT GEORGIA HIGHWAYS 234 AND 133, AT ALBANY, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| JUN<br>05... | 0800 | 81213   | 785   | 5.8   | 75  | 7.7  | 117  | 27.1  | 28.1  | 11   | 1.3  |
| OCT<br>10... | 1015 | 81213   | 917   | 7.6   | 84  | 7.7  | 133  | 23.9  | 20.9  | 9.6  | 1.3  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| JUN<br>05... | <1.0  | 3.0  | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 5.1  |
| OCT<br>10... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 2.5  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02352920 RACCOON CREEK NEAR BACONTON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 31°21'48", long 84°10'04", Mitchell County, Hydrologic Unit 03130008, at bridge on Georgia Highway 3, 2.5 miles above mouth, and 1.0 mile south of Baconton .

**DRAINAGE AREA.**--92.9 mi<sup>2</sup>.

**PERIOD OF RECORD.**--April 1995 to December 1995, January 2000 to December 2000 (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.

**During calendar year 2000, twenty attempts were made to collect monthly water quality samples at this site. The site was found to be dry during all twenty attempts to collect a water quality sample.**

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02352980 COOLEEWAHEE CREEK NEAR NEWTON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 31°19'48", long 84°19'50", Baker County, Hydrologic Unit 03130008, at bridge on Georgia Highway 91, 1.2 miles north of Newton.

**DRAINAGE AREA.**--152 mi<sup>2</sup>.

**PERIOD OF RECORD.**--April 1995 to December 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>UNITS)<br>(00403) |     |
|-------|------|---|---|---|---|---|---|--|--|-----|
| JAN   |      |   |   |   |   |   |   |  |  |     |
| 24... | 1100 | 81213   | 11  | 2.3   | 8   | 13                                      | 8.1   | 75   | 7.8  | 7.9 |
| FEB   |      |   |   |   |   |   |   |  |  |     |
| 03... | 1045 | 81213   | 5.4   | --  | --  | --                                      | 9.4   | 83   | 7.4  | --  |
| 10... | 0830 | 81213   | 3.7   | --  | --  | --                                      | 7.1   | 64   | 7.7  | --  |
| 17... | 1320 | 81213   | 24  | 1.5   | 6   | 4.0                                     | 8.3   | 84   | 7.8  | 7.7 |
| MAR   |      |   |   |   |   |   |   |  |  |     |
| 30... | 1020 | 81213   | 37  | 1.1   | 9   | 7.3                                     | 6.8   | 74   | 8.0  | 7.9 |
| APR   |      |   |   |   |   |   |   |  |  |     |
| 27... | 0820 | 81213   | 19  | 1.4   | 10  | 6.2                                     | --  | --   | 8.1  | 8.1 |
| MAY   |      |   |   |   |   |   |   |  |  |     |
| 11... | 0900 | 81213   | 1.2   | 1.8   | 2   | 1.2                                     | 6.5   | 73   | 8.1  | 7.9 |
| 17... | 1210 | 81213   | .94   | --  | --  | --                                      | 9.4   | 108  | 8.2  | --  |
| 24... | 1215 | 81213   | .86   | --  | --  | --                                      | 10.4  | 130  | 7.8  | --  |
| JUN   |      |   |   |   |   |   |   |  |  |     |
| 08... | 0820 | 81213   | .58   | .8  | 9   | 4.9                                     | 6.2   | 69   | 7.9  | 7.9 |
| JUL   |      |   |   |   |   |   |   |  |  |     |
| 20... | 0725 | 81213   | .99   | .7  | 10  | 8.4                                     | 5.5   | 66   | 7.8  | 7.9 |
| 27... | 0920 | 81213   | .94   | --  | --  | --                                      | 8.4   | 98   | 7.8  | --  |
| AUG   |      |   |   |   |   |   |   |  |  |     |
| 03... | 0920 | 81213   | .99   | --  | --  | --                                      | 2.7   | 31   | 7.0  | --  |
| 17... | 0850 | 81213   | .72   | 2.8   | 3   | 1.8                                     | 7.2   | 85   | 7.9  | 8.1 |
| SEP   |      |   |   |   |   |   |   |  |  |     |
| 14... | 0835 | 81213   | .79   | .7  | 4   | 3.8                                     | 7.2   | 82   | 7.8  | 8.1 |
| OCT   |      |   |   |   |   |   |   |  |  |     |
| 26... | 0755 | 81213   | .82   | .3  | <1  | .9                                      | 7.4   | 75   | 7.4  | 8.1 |
| NOV   |      |   |   |   |   |   |   |  |  |     |
| 08... | 0910 | 81213   | .82   | .7  | 4   | 1.0                                     | 5.4   | 59   | 7.3  | 8.0 |
| 14... | 1225 | 81213   | .82   | --  | --  | --                                      | 7.4   | 77   | 7.2  | --  |
| 20... | 1215 | 81213   | .49   | --  | --  | --                                      | 7.8   | 73   | 7.3  | --  |
| DEC   |      |   |   |   |   |   |   |  |  |     |
| 07... | 1045 | 81213   | 1.6   | .6  | 2   | 2.0                                     | 7.7   | 70   | 7.6  | 7.9 |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02352980 COOLEEWAHEE CREEK NEAR NEWTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|--------------|---|---|---|---|---|---|---|---|--|---|
| JAN<br>24... | 240   | 341   | 6.0   | 12.1  | 93  | .06   | 3.8   | <.020   | 2.6  | 330   |
| FEB<br>03... | --  | 100   | 8.0   | 10.0  | --  | --  | --  | --  | --   | 330   |
| 10...        | --  | 267   | 4.0   | 11.5  | --  | --  | --  | --  | --   | E20   |
| 17...        | 219   | 217   | 26.0  | 16.7  | 92  | .06   | .2  | .020  | 10   | 110   |
| MAR<br>30... | 314   | 315   | 23.0  | 19.2  | 153   | .11   | .6  | .030  | 6.7  | --  |
| APR<br>27... | 306   | 305   | 18.5  | --  | 148   | .03   | .8  | <.020   | 4.0  | --  |
| MAY<br>11... | 264   | 264   | 28.5  | 21.4  | 106   | .08   | 4.9   | <.020   | 1.0  | 400   |
| 17...        | --  | 258   | 29.9  | 22.6  | --  | --  | --  | --  | --   | 110   |
| 24...        | --  | 240   | 32.0  | 27.0  | --  | --  | --  | --  | --   | 1700  |
| JUN<br>08... | 260   | 262   | 23.5  | 21.1  | 105   | .07   | 4.9   | .040  | .80  | 130   |
| JUL<br>20... | 273   | 280   | 29.0  | 24.4  | 108   | .08   | 5.5   | .030  | .50  | 3500  |
| 27...        | --  | 273   | 30.5  | 23.6  | --  | --  | --  | --  | --   | 130   |
| AUG<br>03... | --  | 283   | 29.5  | 23.4  | --  | --  | --  | --  | --   | 490   |
| 17...        | 264   | 267   | 28.5  | 23.6  | 106   | .06   | 5.2   | <.020   | .40  | 70  |
| SEP<br>14... | 272   | 274   | 25.5  | 22.0  | 106   | .08   | 6.1   | .020  | .30  | --  |
| OCT<br>26... | 273   | 277   | 12.5  | 16.7  | 104   | .08   | 6.0   | <.020   | 1.0  | --  |
| NOV<br>08... | 265   | 276   | 20.5  | 20.0  | 105   | .09   | 5.4   | <.020   | 1.4  | 170   |
| 14...        | --  | 274   | 16.0  | 17.7  | --  | --  | --  | --  | --   | 40  |
| 20...        | --  | 221   | 14.5  | 13.3  | --  | --  | --  | --  | --   | 70  |
| DEC<br>07... | 277   | 281   | 10.5  | 11.7  | 106   | .06   | 5.9   | <.020   | .80  | 80  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02352980 COOLEEWAHEE CREEK NEAR NEWTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| JUN<br>08... | 0820 | 81213   | .58   | 6.2   | 69  | 7.9  | 262  | 23.5  | 21.1  | 46   | 1.0  |
| OCT<br>26... | 0755 | 81213   | .82   | 7.4   | 75  | 7.4  | 277  | 12.5  | 16.7  | 50   | 1.1  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| JUN<br>08... | <1.0  | 2.7  | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 1.8  |
| OCT<br>26... | <1.0  | <4.0   | <.5  | <1.0  | 5.1  | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02353000 FLINT RIVER AT NEWTON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 31°18'34", long 84°20'06", Baker-Mitchell County line, Hydrologic Unit 03130008, at bridge on Georgia Highway 37, 1.0 mile downstream from Coolewahee Creek, at Newton, and at mile 69.5.

**DRAINAGE AREA.**--5,740 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--February 1968 to June 1979, May 1981 to current year.

**REMARKS.**—The streamflow gaging station at this site is located on a downstream bridge pier of the Georgia Highway 37 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.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(000028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(000061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>UNITS)<br>(00301) | PH<br>WATER<br>FIELD<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>LAB<br>ARD<br>UNITS)<br>(00403) |
|-------|------|--|--|---|--|---|---|---|--|--|
| JAN   |      |  |  |   |  |   |   |   |  |  |
| 24... | 1010 | 81213  | 3010   | 1.5   | 5  | 5.5                                     | 9.4   | 87  | 7.5  | 7.7  |
| FEB   |      |  |  |   |  |   |   |   |  |  |
| 03... | 1010 | 81213  | 7700   | --  | --   | --                                      | 12.6  | 106   | 7.5  | --   |
| 10... | 0900 | 81213  | 3320   | --  | --   | --                                      | 10.5  | 91  | 7.6  | --   |
| 17... | 1215 | 81213  | 4660   | 1.2   | 5  | 11                                      | 9.6   | 91  | 7.6  | 7.5  |
| MAR   |      |  |  |   |  |   |   |   |  |  |
| 20... | 1340 | 81213  | 7060   | .8  | 8  | 9.7                                     | 8.9   | 95  | 7.4  | 7.8  |
| APR   |      |  |  |   |  |   |   |   |  |  |
| 18... | 1145 | 81213  | 5290   | 1.1   | 6  | 15                                      | 7.7   | 86  | 7.5  | 7.7  |
| MAY   |      |  |  |   |  |   |   |   |  |  |
| 09... | 1215 | 81213  | 2680   | 1.0   | <1   | 3.7                                     | 7.0   | 84  | 7.7  | 7.8  |
| 17... | 1135 | 81213  | 1510   | --  | --   | --                                      | --  | --  | 7.9  | --   |
| 24... | 1140 | 81213  | 1470   | --  | --   | --                                      | --  | --  | 7.9  | --   |
| JUN   |      |  |  |   |  |   |   |   |  |  |
| 05... | 1015 | 81213  | 1280   | 1.0   | 4  | 1.4                                     | 5.9   | 76  | 7.9  | 7.8  |
| JUL   |      |  |  |   |  |   |   |   |  |  |
| 24... | 1115 | 81213  | 1210   | 1.2   | 4  | 1.1                                     | 6.7   | 88  | 7.7  | 8.0  |
| 27... | 0945 | 81213  | 1170   | --  | --   | --                                      | --  | --  | 7.8  | --   |
| AUG   |      |  |  |   |  |   |   |   |  |  |
| 03... | 0850 | 81213  | 1120   | --  | --   | --                                      | --  | --  | 7.0  | --   |
| 15... | 1100 | 81213  | 1210   | 1.5   | 5  | 2.7                                     | 7.4   | 95  | 7.9  | 7.9  |
| SEP   |      |  |  |   |  |   |   |   |  |  |
| 18... | 1230 | 81213  | 1490   | .6  | 4  | 2.2                                     | 6.6   | 79  | 7.7  | 8.0  |
| OCT   |      |  |  |   |  |   |   |   |  |  |
| 10... | 1210 | 81213  | 1480   | .4  | 2  | 2.5                                     | 7.8   | 85  | 7.8  | 7.8  |
| NOV   |      |  |  |   |  |   |   |   |  |  |
| 07... | 1045 | 81213  | 3420   | 1.0   | 11   | 7.7                                     | 7.4   | 84  | 7.2  | 7.5  |
| 14... | 1255 | 81213  | 1350   | --  | --   | --                                      | --  | --  | 7.4  | --   |
| 20... | 1245 | 81213  | 2820   | --  | --   | --                                      | --  | --  | 7.4  | --   |
| DEC   |      |  |  |   |  |   |   |   |  |  |
| 04... | 1210 | 81213  | 1550   | 1.1   | 5  | 5.6                                     | 9.2   | 86  | 7.6  | 7.8  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02353000 FLINT RIVER AT NEWTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|--------------|---|--|---|---|--|---|---|---|--|---|
| JAN<br>24... | 117   | 115  | 5.0   | 11.8  | 38   | .09   | .6  | .040  | 2.6  | <20   |
| FEB<br>03... | --  | 106  | 8.0   | 8.0   | --   | --  | --  | --  | --   | 110   |
| 10...        | --  | 114  | 7.5   | 9.4   | --   | --  | --  | --  | --   | E50   |
| 17...        | 119   | 115  | 20.5  | 13.6  | 39   | .09   | .6  | .040  | 3.3  | <20   |
| MAR<br>20... | 121   | 121  | 21.0  | 18.1  | 39   | .07   | .5  | .040  | 3.6  | 20  |
| APR<br>18... | 131   | 131  | 21.5  | 20.5  | 46   | .11   | .7  | .060  | 3.6  | --  |
| MAY<br>09... | 157   | 155  | 31.0  | 24.5  | 61   | .04   | .8  | .040  | 3.1  | 130   |
| 17...        | --  | 181  | 31.0  | --  | --   | --  | --  | --  | --   | 20  |
| 24...        | --  | 180  | 31.0  | --  | --   | --  | --  | --  | --   | <20   |
| JUN<br>05... | 166   | 165  | 32.0  | 28.3  | 63   | .05   | .6  | .040  | 3.3  | 20  |
| JUL<br>24... | 174   | 178  | 31.5  | 30.0  | 64   | .03   | .4  | .040  | 2.7  | <20   |
| 27...        | --  | 183  | 37.5  | --  | --   | --  | --  | --  | --   | <20   |
| AUG<br>03... | --  | 182  | --  | --  | --   | --  | --  | --  | --   | 40  |
| 15...        | 176   | 176  | 32.5  | 28.7  | 63   | .06   | .6  | .040  | 2.6  | 80  |
| SEP<br>18... | 177   | 178  | 21.9  | 24.3  | 61   | <.01  | .6  | .040  | 2.4  | --  |
| OCT<br>10... | 179   | 180  | 24.9  | 19.9  | 62   | .09   | .7  | .030  | 3.1  | --  |
| NOV<br>07... | 126   | 127  | 25.3  | 21.9  | 34   | .04   | .4  | .040  | 2.9  | 20  |
| 14...        | --  | 165  | 17.5  | --  | --   | --  | --  | --  | --   | 20  |
| 20...        | --  | 129  | 13.0  | --  | --   | --  | --  | --  | --   | 110   |
| DEC<br>04... | 155   | 161  | 9.5   | 13.0  | 56   | .06   | .6  | .040  | 2.6  | <20   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02353000 FLINT RIVER AT NEWTON, GA**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| JUN<br>05... | 1015 | 81213   | 1280  | 5.9   | 76  | 7.9  | 165  | 32.0  | 28.3  | 21   | 1.3  |
| OCT<br>10... | 1210 | 81213   | 1480  | 7.8   | 85  | 7.8  | 180  | 24.9  | 19.9  | 22   | 1.2  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| JUN<br>05... | <1.0  | <2.0   | <.5  | <1.0  | 1.3  | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 4.3  |
| OCT<br>10... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02353400 PACHITLA CREEK NEAR EDISON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 31°33'17", long 84°40'43", Calhoun County, Hydrologic Unit 03130009, on downstream side of bridge pier on Georgia Highway 37, 2.2 miles upstream from Neals Creek, 8.5 miles upstream from mouth, 3.6 miles east of Edison.

**DRAINAGE AREA.--**188 mi<sup>2</sup>.

**PERIOD OF RECORD.--**April 1995 to December 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|--|---|---|---|---|--|--|--|--|
| JAN   |      |  |   |   |   |   |  |  |  |  |
| 25... | 1040 | 81213  | 443   | 1.1   | 7   | 12                                      | 10.5   | 85   | 6.8  | 6.7  |
| FEB   |      |  |   |   |   |   |  |  |  |  |
| 22... | 1225 | 81213  | 134   | .8  | 3   | 7.7                                     | 9.9  | 88   | 7.2  | 7.0  |
| MAR   |      |  |   |   |   |   |  |  |  |  |
| 07... | 1055 | 81213  | 128   | --  | --  | --                                      | 9.3  | 89   | 6.9  | --   |
| 14... | 1050 | 81213  | 145   | --  | --  | --                                      | 9.4  | 86   | 7.0  | --   |
| 21... | 1305 | 81213  | 304   | 1.1   | 11  | 15                                      | 8.4  | 83   | 7.0  | 6.9  |
| APR   |      |  |   |   |   |   |  |  |  |  |
| 04... | 1000 | 81213  | 154   | --  | --  | --                                      | 7.0  | 74   | 7.0  | --   |
| 11... | 1140 | 81213  | 94  | --  | --  | --                                      | 9.4  | 90   | 7.1  | --   |
| 19... | 1120 | 81213  | 80  | .8  | 8   | 10                                      | 8.5  | 87   | 7.1  | 7.2  |
| MAY   |      |  |   |   |   |   |  |  |  |  |
| 02... | 1210 | 81213  | 64  | .4  | 8   | 12                                      | 8.4  | 89   | 7.2  | 7.2  |
| JUN   |      |  |   |   |   |   |  |  |  |  |
| 13... | 1155 | 81213  | 20  | 1.2   | 7   | 8.3                                     | 7.1  | 85   | 7.1  | 7.1  |
| 21... | 0740 | 81213  | 24  | --  | --  | --                                      | 6.6  | 79   | 6.9  | --   |
| 28... | 0750 | 81213  | 38  | --  | --  | --                                      | 7.2  | 85   | 7.0  | --   |
| JUL   |      |  |   |   |   |   |  |  |  |  |
| 11... | 1050 | 81213  | 19  | .7  | <1  | 7.2                                     | 6.0  | 75   | 7.0  | 7.1  |
| AUG   |      |  |   |   |   |   |  |  |  |  |
| 08... | 1145 | 81213  | 54  | .6  | 7   | 9.5                                     | 7.2  | 86   | 7.0  | 7.1  |
| SEP   |      |  |   |   |   |   |  |  |  |  |
| 19... | 1040 | 81213  | 42  | .8  | 5   | 4.7                                     | 8.4  | 92   | 7.1  | 7.1  |
| 26... | 0835 | 81213  | 117   | --  | --  | --                                      | 6.5  | 74   | --   | --   |
| OCT   |      |  |   |   |   |   |  |  |  |  |
| 04... | 0825 | 81213  | 48  | --  | --  | --                                      | 8.0  | 85   | 6.8  | --   |
| 17... | 1220 | 81213  | 42  | .4  | 3   | 3.9                                     | 9.4  | 93   | 6.9  | 7.1  |
| NOV   |      |  |   |   |   |   |  |  |  |  |
| 28... | 1150 | 81213  | 155   | 3.4   | 2   | 5.4                                     | 9.7  | 85   | 6.5  | 7.0  |
| DEC   |      |  |   |   |   |   |  |  |  |  |
| 12... | 1225 | 81213  | 99  | .6  | 4   | 5.1                                     | 9.5  | 88   | 6.6  | 7.1  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02353400 PACHITLA CREEK NEAR EDISON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 25... | 40  | 37  | 4.0   | 6.0   | 11   | .06   | .3  | .030  | 3.8  | 3500  |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 22... | 48  | 48  | 17.5  | 10.9  | 15   | .06   | .5  | <.020   | 2.5  | 70  |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 07... | --  | 45  | 25.0  | 13.9  | --   | --  | --  | --  | --   | 20  |
| 14... | --  | 47  | 20.5  | 11.9  | --   | --  | --  | --  | --   | 80  |
| 21... | 44  | 42  | 24.5  | 15.2  | 14   | .06   | .2  | .030  | 4.4  | 430   |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 04... | --  | 47  | 17.0  | 18.5  | --   | --  | --  | --  | --   | 20  |
| 11... | --  | 47  | 28.5  | 14.1  | --   | --  | --  | --  | --   | 20  |
| 19... | 49  | 47  | 26.5  | 16.7  | 15   | .08   | .5  | <.020   | 2.4  | <20   |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 02... | 48  | 45  | 29.5  | 18.2  | 17   | .07   | .5  | .020  | 2.5  | --  |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 13... | 43  | 40  | 36.0  | 24.6  | 13   | .05   | .9  | <.020   | 1.6  | 56  |
| 21... | --  | 34  | 27.0  | 24.6  | --   | --  | --  | --  | --   | 90  |
| 28... | --  | 45  | 26.0  | 23.2  | --   | --  | --  | --  | --   | 790   |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 11... | 48  | 47  | 34.0  | 26.8  | 14   | .05   | .8  | .020  | 2.2  | 230   |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 08... | 53  | 51  | 32.0  | 25.0  | 14   | .07   | .4  | .020  | 2.8  | --  |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 19... | 51  | 50  | 29.0  | 19.8  | 15   | .05   | .6  | <.020   | 3.4  | 110   |
| 26... | --  | 58  | 15.0  | 22.1  | --   | --  | --  | --  | --   | 140   |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 04... | --  | 50  | 20.5  | 18.3  | --   | --  | --  | --  | --   | <20   |
| 17... | 50  | 47  | 28.0  | 15.2  | 13   | .04   | .8  | <.020   | 2.2  | 20  |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 28... | 56  | 55  | 14.0  | 10.1  | 9  | .03   | .3  | <.020   | 2.9  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 12... | 55  | 51  | 17.5  | 12.6  | 12   | .04   | .5  | <.020   | 3.1  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02353400 PACHITLA CREEK NEAR EDISON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)     | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                    | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |  |
|--------------|------|---|---|---|---|--|--|--|--|--|--|--|
| DATE         |      | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097)             | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002)                        | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027)        | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042)   | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147)              | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059)                      | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
| JUN<br>13... | 1155 | 81213   | 20  | 7.1   | 85  | 7.1  | 40   | 36.0   | 24.6   | 3.0  | 1.2  |  |
| OCT<br>17... | 1220 | 81213   | 42  | 9.4   | 93  | 6.9  | 47   | 28.0   | 15.2   | 3.8  | 1.3  |  |
| JUN<br>13... | <1.0 | <2.0  | <.5   | <1.0  | <1.0  | <1.0   | <.1  | <1.0   | <2.0   | <2.0   | 4.6  |  |
| OCT<br>17... | <1.0 | <4.0  | <.5   | <1.0  | <2.0  | 26   | <.1  | <1.0   | <4.0   | <2.0   | 72   |  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 31°22'58", long 84°32'52", Baker County, Hydrologic Unit 03130009, at bridge on Georgia Highway 216, 2.2 miles upstream from Alligator Creek, and 5.5 miles upstream from Chickasawhatchee Creek and, at Milford.

**DRAINAGE AREA.--**620 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**January 2000 to December 2000 (discontinued).

**REMARKS.--**The streamflow gaging station at this site is located on the downstream end of the left bank bridge pier on Georgia Highway 216. 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(CODE<br>00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|--|---|--|--|
| JAN   |      |   |   |   |   |   |  |   |  |  |
| 25... | 1410 | 81213   | 762   | 1.1   | 9   | 12                                      | 11.4   | 96  | 7.3  | 7.3  |
| FEB   |      |   |   |   |   |   |  |   |  |  |
| 22... | 0930 | 81213   | 400   | .8  | 3   | 5.6                                     | 9.0  | 83  | 7.6  | 7.4  |
| MAR   |      |   |   |   |   |   |  |   |  |  |
| 07... | 0855 | 81213   | 425   | --  | --  | --                                      | 8.9  | 86  | 7.3  | --   |
| 14... | 0850 | 81213   | 472   | --  | --  | --                                      | 8.9  | 85  | 7.4  | --   |
| 21... | 0940 | 81213   | 777   | 1.1   | 12  | 12                                      | 8.1  | 80  | 7.5  | 7.4  |
| APR   |      |   |   |   |   |   |  |   |  |  |
| 04... | 0805 | 81213   | 704   | --  | --  | --                                      | 6.9  | 75  | 7.2  | --   |
| 11... | 0940 | 81213   | 311   | --  | --  | --                                      | 8.9  | 87  | 7.4  | --   |
| 19... | 0820 | 81213   | 298   | .7  | 3   | 5.7                                     | 8.0  | 84  | 7.4  | 7.5  |
| MAY   |      |   |   |   |   |   |  |   |  |  |
| 02... | 0830 | 81213   | 253   | .5  | 10  | 9.0                                     | 7.7  | 84  | 7.6  | 7.6  |
| JUN   |      |   |   |   |   |   |  |   |  |  |
| 13... | 0835 | 81213   | 18  | 2.0   | <1  | 1.0                                     | 5.4  | 66  | 7.7  | 8.0  |
| 21... | 0925 | 81213   | 30  | --  | --  | --                                      | 5.8  | 74  | 7.5  | --   |
| 28... | 0940 | 81213   | 94  | --  | --  | --                                      | 6.2  | 76  | 7.4  | --   |
| JUL   |      |   |   |   |   |   |  |   |  |  |
| 11... | 0840 | 81213   | 26  | .6  | 2   | 1.1                                     | 5.3  | 69  | 7.5  | 7.8  |
| AUG   |      |   |   |   |   |   |  |   |  |  |
| 08... | 0855 | 81213   | 228   | 1.0   | 2   | 3.5                                     | 6.3  | 79  | 7.2  | 7.4  |
| SEP   |      |   |   |   |   |   |  |   |  |  |
| 19... | 0910 | 81213   | 131   | .6  | 2   | 2.9                                     | 7.2  | 80  | 7.3  | 7.6  |
| 26... | 1040 | 81213   | 332   | --  | --  | --                                      | 6.8  | 80  | --   | --   |
| OCT   |      |   |   |   |   |   |  |   |  |  |
| 04... | 1025 | 81213   | 162   | --  | --  | --                                      | 7.6  | 84  | 7.2  | --   |
| 17... | 0910 | 81213   | 139   | .3  | 1   | 2.0                                     | 8.6  | 87  | 7.3  | 7.5  |
| NOV   |      |   |   |   |   |   |  |   |  |  |
| 28... | 0920 | 81213   | 415   | 2.8   | 4   | 5.1                                     | 9.9  | 89  | 6.8  | 7.1  |
| DEC   |      |   |   |   |   |   |  |   |  |  |
| 12... | 1000 | 81213   | 253   | E.4   | 4   | 2.8                                     | 10.0   | 92  | 6.9  | 7.4  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|--------------|---|---|---|---|--|---|---|---|--|---|
| JAN<br>25... | 70  | 107   | 7.5   | 8.1   | 23   | .05   | .6  | .030  | 4.4  | 230   |
| FEB<br>22... | 83  | 81  | 13.0  | 12.5  | 30   | .05   | .7  | <.020   | 2.6  | 70  |
| MAR<br>07... | --  | 72  | 17.5  | 15.0  | --   | --  | --  | --  | --   | <20   |
| 14...        | --  | 73  | 13.5  | 13.5  | --   | --  | --  | --  | --   | 110   |
| 21...        | 75  | 72  | 17.5  | 15.4  | 27   | .07   | .3  | .040  | 6.2  | 230   |
| APR<br>04... | --  | 65  | 13.5  | 19.3  | --   | --  | --  | --  | --   | 20  |
| 11...        | --  | 87  | 23.5  | 15.1  | --   | --  | --  | --  | --   | <20   |
| 19...        | 82  | 79  | 17.5  | 17.9  | 30   | .06   | .8  | <.020   | 2.9  | <20   |
| MAY<br>02... | 81  | 81  | 24.0  | 19.5  | 30   | .06   | .8  | .020  | 3.0  | --  |
| JUN<br>13... | 178   | 179   | 28.5  | 26.3  | 78   | .05   | 1.4   | <.020   | 1.4  | 90  |
| 21...        | --  | 121   | 30.0  | 28.0  | --   | --  | --  | --  | --   | 20  |
| 28...        | --  | 106   | 32.0  | 26.2  | --   | --  | --  | --  | --   | 20  |
| JUL<br>11... | 143   | 145   | 31.0  | 29.0  | 60   | .05   | 1.1   | <.020   | 2.3  | 80  |
| AUG<br>08... | 69  | 67  | 31.0  | 26.9  | 22   | .06   | .7  | <.020   | 2.4  | --  |
| SEP<br>19... | 85  | 83  | 23.0  | 21.2  | 28   | .04   | .8  | <.020   | 2.8  | <20   |
| 26...        | --  | 58  | 19.5  | 23.8  | --   | --  | --  | --  | --   | 110   |
| OCT<br>04... | --  | 81  | 27.0  | 20.7  | --   | --  | --  | --  | --   | <20   |
| 17...        | 82  | 80  | 20.0  | 16.0  | 27   | .06   | 1.2   | <.020   | 2.6  | 130   |
| NOV<br>28... | 64  | 62  | 6.5   | 10.9  | 12   | .07   | .5  | .020  | 5.1  | --  |
| DEC<br>12... | 76  | 73  | 14.5  | 11.9  | 21   | .10   | .9  | <.020   | 2.8  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD)<br>UNITS<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)     | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                    | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |  |
|--------------|------|---|---|---|---|--|--|--|--|--|--|--|
| DATE         |      | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097)             | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002)                        | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027)          | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042)   | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147)              | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059)                      | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
| JUN<br>13... | 0835 | 81213   | 18  | 5.4   | 66  | 7.7  | 179  | 28.5   | 26.3   | 32   | 1.3  |  |
| OCT<br>17... | 0910 | 81213   | 139   | 8.6   | 87  | 7.3  | 80   | 20.0   | 16.0   | 10   | 1.4  |  |
| JUN<br>13... | <1.0 | <2.0  | <.5   | <1.0  | <1.0  | <1.0   | <.1  | <1.0   | 2.3  | <2.0   | 5.7  |  |
| OCT<br>17... | <1.0 | <4.0  | <.5   | <1.0  | <2.0  | <2.0   | <.1  | <1.0   | <4.0   | <2.0   | <2.0   |  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02354350 CHICKASAWHATCHEE CREEK NEAR ALBANY, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 31°35'37", long 84°27'12", Dougherty-Calhoun County line, Hydrologic Unit 03130009, at bridge on Georgia Highway 234, 11.0 miles west of the Albany city limits.

**DRAINAGE AREA.--**118 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**April 1995 to December 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>FIELD<br>STAND-<br>ARD<br>UNITS<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>STAND-<br>ARD<br>UNITS<br>(00403) |     |
|-------|------|---|---|---|--|---|---|--|--|-----|
| JAN   |      |   |   |   |  |   |   |  |  |     |
| 25... | 0915 | 81213   | 197   | 1.5   | 13   | 25                                      | 10.9  | 84   | 7.2  | 7.2 |
| FEB   |      |   |   |   |  |   |   |  |  |     |
| 22... | 1340 | 81213   | 54  | 1.1   | 4  | 8.1                                     | 11.4  | 105  | 7.7  | 7.6 |
| MAR   |      |   |   |   |  |   |   |  |  |     |
| 07... | 1135 | 81213   | 51  | --  | --   | --                                      | 9.4   | 92   | 7.4  | --  |
| 14... | 1130 | 81213   | 53  | --  | --   | --                                      | 9.6   | 90   | 7.4  | --  |
| 21... | 1430 | 81213   | 94  | 1.1   | 14   | 19                                      | 8.4   | 88   | 7.8  | 7.4 |
| APR   |      |   |   |   |  |   |   |  |  |     |
| 04... | 1040 | 81213   | 75  | --  | --   | --                                      | 7.0   | 73   | 7.4  | --  |
| 11... | 1220 | 81213   | 33  | --  | --   | --                                      | 8.2   | 81   | 7.6  | --  |
| 19... | 1235 | 81213   | 24  | .8  | 2  | 3.9                                     | 7.3   | 75   | 7.6  | 8.1 |
| MAY   |      |   |   |   |  |   |   |  |  |     |
| 02... | 1315 | 81213   | 16  | .5  | 15   | 14                                      | 8.1   | 87   | 7.6  | 7.7 |
| JUN   |      |   |   |   |  |   |   |  |  |     |
| 28... | 0710 | 81213   | .96   | --  | --   | --                                      | 6.1   | 71   | 7.3  | --  |
| AUG   |      |   |   |   |  |   |   |  |  |     |
| 08... | 1255 | 81213   | .58   | 1.0   | 5  | 7.0                                     | 5.9   | 72   | 7.5  | 7.7 |
| SEP   |      |   |   |   |  |   |   |  |  |     |
| 19... | 1310 | 81213   | 12  | 1.6   | 2  | 2.4                                     | 7.4   | 81   | 7.7  | 7.9 |
| 26... | 0745 | 81213   | 50  | --  | --   | --                                      | 5.5   | 62   | --   | --  |
| OCT   |      |   |   |   |  |   |   |  |  |     |
| 04... | 0735 | 81213   | 5.7   | --  | --   | --                                      | 6.1   | 65   | 7.0  | --  |
| 17... | 1330 | 81213   | 2.3   | .9  | 19   | 8.8                                     | 7.4   | 75   | 7.4  | 7.6 |
| NOV   |      |   |   |   |  |   |   |  |  |     |
| 28... | 1310 | 81213   | 77  | 1.6   | 3  | 8.9                                     | 8.7   | 77   | 6.8  | 7.6 |
| DEC   |      |   |   |   |  |   |   |  |  |     |
| 12... | 1325 | 81213   | 60  | .9  | 4  | 5.8                                     | 7.8   | 77   | 6.9  | 7.3 |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02354350 CHICKASAWHATCHEE CREEK NEAR ALBANY, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|---|---|---|---|--|---|
| JAN   |   |  |   |   |   |   |   |   |  |   |
| 25... | 88  | 86   | 1.0   | 4.2   | 27  | .06   | .1  | .070  | 5.9  | 2400  |
| FEB   |   |  |   |   |   |   |   |   |  |   |
| 22... | 122   | 122  | 20.0  | 12.4  | 45  | .04   | .2  | .060  | 5.3  | 110   |
| MAR   |   |  |   |   |   |   |   |   |  |   |
| 07... | --  | 242  | 26.5  | 15.2  | --  | --  | --  | --  | --   | 130   |
| 14... | --  | 119  | 21.0  | 12.8  | --  | --  | --  | --  | --   | 110   |
| 21... | 119   | 117  | 26.5  | 17.9  | 44  | .09   | .2  | .100  | 6.5  | 330   |
| APR   |   |  |   |   |   |   |   |   |  |   |
| 04... | --  | 120  | 17.0  | 17.7  | --  | --  | --  | --  | --   | 330   |
| 11... | --  | 136  | 27.0  | 15.2  | --  | --  | --  | --  | --   | 80  |
| 19... | 216   | 140  | 28.5  | 16.8  | 98  | .09   | .2  | <.020   | 6.9  | <20   |
| MAY   |   |  |   |   |   |   |   |   |  |   |
| 02... | 141   | 140  | 30.0  | 19.0  | 55  | .09   | .4  | .080  | 3.8  | --  |
| JUN   |   |  |   |   |   |   |   |   |  |   |
| 28... | --  | 177  | 23.0  | 23.2  | --  | --  | --  | --  | --   | 2800  |
| AUG   |   |  |   |   |   |   |   |   |  |   |
| 08... | 199   | 200  | 31.5  | 25.9  | 68  | .09   | .4  | .140  | 6.2  | --  |
| SEP   |   |  |   |   |   |   |   |   |  |   |
| 19... | 255   | 256  | 30.5  | 20.0  | 83  | .08   | .4  | .270  | 5.3  | 70  |
| 26... | --  | 146  | 14.0  | 21.0  | --  | --  | --  | --  | --   | 170   |
| OCT   |   |  |   |   |   |   |   |   |  |   |
| 04... | --  | 184  | 17.5  | 18.7  | --  | --  | --  | --  | --   | <20   |
| 17... | 210   | 210  | 26.0  | 16.5  | 66  | .08   | .2  | .270  | 5.5  | 170   |
| NOV   |   |  |   |   |   |   |   |   |  |   |
| 28... | 121   | 121  | 17.5  | 10.5  | 36  | .04   | .1  | .060  | 6.7  | --  |
| DEC   |   |  |   |   |   |   |   |   |  |   |
| 12... | 143   | 142  | 18.5  | 15.4  | 21  | .05   | .1  | .070  | 7.1  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02354350 CHICKASAWHATCHEE CREEK NEAR ALBANY, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME  | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300)                            | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)       | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                           | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916)        | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|---|---|---|---|---|--|--|--|---|---|--|
| OCT<br>17... | 1330  | 81213   | 2.3   | 7.4   | 75  | 7.4  | 210  | 26.0   | 16.5  | 19  | 1.4  |
| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002)                    | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027)    | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042)        | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051)     | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092)           |
| OCT<br>17... | <1.0  | <4.0  | <.5   | <1.0  | <2.0  | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 2.6  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 31°21'02", long 84°28'57", Baker County, Hydrologic Unit 03130009, at bridge on Georgia Highway 37, 2.0 miles upstream from confluence with Ichawaynochaway Creek, and, at Elmodel.

**DRAINAGE AREA.**--320 mi<sup>2</sup>.

**PERIOD OF RECORD.**--April 1995 to December 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | PH<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|--|--|--|--|
| JAN   |      |   |   |   |   |   |  |  |  |  |
| 25... | 1450 | 81213   | 148   | .9  | 5   | 7.1                                     | 11.7   | 97   | 7.6  | 7.6  |
| FEB   |      |   |   |   |   |   |  |  |  |  |
| 22... | 0840 | 81213   | 202   | .7  | 2   | 6.4                                     | 9.0  | 81   | 7.8  | 7.7  |
| MAR   |      |   |   |   |   |   |  |  |  |  |
| 07... | 0820 | 81213   | 132   | --  | --  | --                                      | 8.1  | 80   | 7.6  | --   |
| 14... | 0815 | 81213   | 171   | --  | --  | --                                      | 8.6  | 81   | 7.7  | --   |
| 21... | 0835 | 81213   | 294   | 1.1   | 8   | 8.6                                     | 7.9  | 78   | 8.1  | 7.8  |
| APR   |      |   |   |   |   |   |  |  |  |  |
| 04... | 0740 | 81213   | 348   | --  | --  | --                                      | 6.5  | 71   | 7.6  | --   |
| 11... | 0915 | 81213   | 130   | --  | --  | --                                      | 8.8  | 84   | 7.8  | --   |
| 19... | 0720 | 81213   | 111   | .3  | 16  | 15                                      | 7.6  | 78   | 7.9  | 7.5  |
| MAY   |      |   |   |   |   |   |  |  |  |  |
| 02... | 0720 | 81213   | 64  | .5  | 5   | 4.8                                     | 7.8  | 81   | 7.9  | 8.0  |
| JUN   |      |   |   |   |   |   |  |  |  |  |
| 13... | 0725 | 81213   | 2.3   | .9  | 2   | .9                                      | 5.9  | 71   | 7.8  | 8.1  |
| 21... | 1000 | 81213   | 2.3   | --  | --  | --                                      | 5.9  | 74   | 8.0  | --   |
| 28... | 1015 | 81213   | 2.3   | --  | --  | --                                      | 6.6  | 81   | 7.9  | --   |
| JUL   |      |   |   |   |   |   |  |  |  |  |
| 11... | 0740 | 81213   | 1.5   | .8  | 2   | 1.1                                     | 5.5  | 70   | 7.8  | 7.9  |
| AUG   |      |   |   |   |   |   |  |  |  |  |
| 08... | 0810 | 81213   | 2.6   | .6  | 2   | 1.6                                     | 6.2  | 75   | 7.7  | 7.8  |
| SEP   |      |   |   |   |   |   |  |  |  |  |
| 19... | 0815 | 81213   | 2.6   | .9  | 5   | 2.4                                     | 6.8  | 75   | 7.8  | 8.1  |
| 26... | 1115 | 81213   | 5.8   | --  | --  | --                                      | 6.6  | 77   | --   | --   |
| OCT   |      |   |   |   |   |   |  |  |  |  |
| 04... | 1105 | 81213   | 4.3   | --  | --  | --                                      | 7.8  | 88   | 7.7  | --   |
| 17... | 0800 | 81213   | 4.0   | .2  | 1   | .9                                      | 9.0  | 89   | 7.9  | 8.1  |
| NOV   |      |   |   |   |   |   |  |  |  |  |
| 28... | 0830 | 81213   | 67  | 4.1   | 2   | 4.6                                     | 9.1  | 80   | 6.8  | 7.1  |
| DEC   |      |   |   |   |   |   |  |  |  |  |
| 12... | 0905 | 81213   | 36  | .9  | 2   | 2.6                                     | 8.9  | 82   | 7.2  | 7.4  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|---|---|---|---|--|---|
| JAN   |   |  |   |   |   |   |   |   |  |   |
| 25... | 136   | 134  | 7.5   | 6.9   | 50  | .05   | .1  | <.020   | 9.3  | 220   |
| FEB   |   |  |   |   |   |   |   |   |  |   |
| 22... | 160   | 158  | 7.5   | 11.3  | 64  | .04   | .1  | <.020   | 10   | 130   |
| MAR   |   |  |   |   |   |   |   |   |  |   |
| 07... | --  | 189  | 12.5  | 15.8  | --  | --  | --  | --  | --   | 36  |
| 14... | --  | 181  | 11.0  | 13.1  | --  | --  | --  | --  | --   | 20  |
| 21... | 175   | 173  | 13.0  | 15.6  | 77  | .06   | .1  | .030  | 11   | 90  |
| APR   |   |  |   |   |   |   |   |   |  |   |
| 04... | --  | 177  | 15.5  | 19.7  | --  | --  | --  | --  | --   | 330   |
| 11... | --  | 211  | 21.5  | 14.3  | --  | --  | --  | --  | --   | <20   |
| 19... | 142   | 216  | 15.5  | 17.2  | 53  | .09   | .3  | .080  | 3.8  | 130   |
| MAY   |   |  |   |   |   |   |   |   |  |   |
| 02... | 202   | 266  | 16.0  | 17.2  | 92  | .06   | .4  | <.020   | 6.4  | --  |
| JUN   |   |  |   |   |   |   |   |   |  |   |
| 13... | 255   | 259  | 26.0  | 24.9  | 127   | .08   | .7  | <.020   | 1.4  | 330   |
| 21... | --  | 249  | 31.5  | 27.2  | --  | --  | --  | --  | --   | <20   |
| 28... | --  | 249  | 31.0  | 26.3  | --  | --  | --  | --  | --   | 20  |
| JUL   |   |  |   |   |   |   |   |   |  |   |
| 11... | 241   | 246  | 25.5  | 27.7  | 121   | .10   | .4  | <.020   | 1.9  | 50  |
| AUG   |   |  |   |   |   |   |   |   |  |   |
| 08... | 241   | 247  | 27.0  | 25.7  | 122   | .09   | .5  | <.020   | .80  | --  |
| SEP   |   |  |   |   |   |   |   |   |  |   |
| 19... | 244   | 246  | 19.5  | 20.6  | 121   | .05   | .7  | <.020   | 1.7  | <20   |
| 26... | --  | 247  | 18.0  | 23.3  | --  | --  | --  | --  | --   | 20  |
| OCT   |   |  |   |   |   |   |   |   |  |   |
| 04... | --  | 251  | 25.0  | 21.5  | --  | --  | --  | --  | --   | <20   |
| 17... | 250   | 250  | 15.5  | 15.0  | 121   | .04   | .8  | <.020   | 1.4  | 20  |
| NOV   |   |  |   |   |   |   |   |   |  |   |
| 28... | 182   | 187  | 11.0  | 10.1  | 23  | .05   | .1  | .020  | 17   | --  |
| DEC   |   |  |   |   |   |   |   |   |  |   |
| 12... | 174   | 173  | 17.0  | 12.3  | 43  | .04   | .1  | <.020   | 17   | --  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD)<br>UNITS<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)     | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                    | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |  |
|--------------|------|---|---|---|---|--|--|--|--|--|--|--|
| DATE         |      | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097)             | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002)                        | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027)                  | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042)   | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147)              | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059)                      | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
| JUN<br>13... | 0725 | 81213   | 2.3   | 5.9   | 71  | 7.8  | 259  | 26.0   | 24.9   | 51   | .7   |  |
| OCT<br>17... | 0800 | 81213   | 4.0   | 9.0   | 89  | 7.9  | 250  | 15.5   | 15.0   | 49   | .7   |  |
| JUN<br>13... | <1.0 | <2.0  | <.5   | <1.0  | <1.0  | <1.0   | <.1  | <1.0   | <2.0   | <2.0   | 3.8  |  |
| OCT<br>17... | <1.0 | <4.0  | <.5   | <1.0  | <2.0  | <2.0   | <.1  | <1.0   | <4.0   | <2.0   | <2.0   |  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 31°12'48", long 84°28'24", Baker County, Hydrologic Unit 03130009, at the bridge on Georgia Highway 91, 11.0 miles southwest of Newton.

**DRAINAGE AREA.**--1,040 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--April 1995 to September 1995, January 2000 to December 2000 (discontinued).

**REMARKS.**--The streamflow gaging station at this site is located on the right bank 75 feet below the steel truss bridge, and, approximately 1600 ft upstream from the bridge on Georgia Highway 91. 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|---|--|--|
| JAN   |      |   |   |   |  |   |   |  |  |
| 24... | 1230 | 81213   | 574   | 1.2   | 6  | 3.7                                     | 10.7  | 95   | 7.7  |
| FEB   |      |   |   |   |  |   |   |  |  |
| 03... | 1130 | 81213   | 784   | --  | --   | --                                      | 12.4  | 101  | 7.6  |
| 10... | 0955 | 81213   | 530   | --  | --   | --                                      | 10.8  | 94   | 7.7  |
| 17... | 1020 | 81213   | 1020  | 1.4   | 12   | 10                                      | 7.6   | 70   | 7.4  |
| MAR   |      |   |   |   |  |   |   |  |  |
| 30... | 1140 | 81213   | 803   | .8  | 6  | 5.7                                     | 9.4   | 100  | 7.8  |
| APR   |      |   |   |   |  |   |   |  |  |
| 27... | 0925 | 81213   | 485   | .8  | 2  | 3.1                                     | --  | --   | 7.8  |
| MAY   |      |   |   |   |  |   |   |  |  |
| 11... | 1000 | 81213   | 201   | 1.0   | 4  | 1.1                                     | 7.5   | 89   | 7.9  |
| 17... | 1055 | 81213   | 181   | --  | --   | --                                      | 7.6   | 89   | 7.8  |
| 24... | 1100 | 81213   | 129   | --  | --   | --                                      | 7.2   | 89   | 7.9  |
| JUN   |      |   |   |   |  |   |   |  |  |
| 08... | 0930 | 81213   | 87  | .4  | 2  | .9                                      | 6.9   | 83   | 8.1  |
| JUL   |      |   |   |   |  |   |   |  |  |
| 20... | 0830 | 81213   | 115   | .7  | 2  | 1.7                                     | 6.9   | 90   | 7.9  |
| 27... | 1005 | 81213   | 132   | --  | --   | --                                      | 8.0   | 99   | 7.8  |
| AUG   |      |   |   |   |  |   |   |  |  |
| 03... | 1010 | 81213   | 101   | --  | --   | --                                      | 7.9   | 98   | 8.0  |
| 17... | 0930 | 81213   | 80  | 1.1   | 2  | 1.8                                     | 7.4   | 93   | 7.9  |
| SEP   |      |   |   |   |  |   |   |  |  |
| 14... | 0945 | 81213   | 244   | 1.4   | 3  | 4.0                                     | 6.7   | 81   | 7.4  |
| OCT   |      |   |   |   |  |   |   |  |  |
| 26... | 0910 | 81213   | 150   | .7  | 1  | 1.2                                     | 7.9   | 84   | 7.4  |
| NOV   |      |   |   |   |  |   |   |  |  |
| 08... | 1020 | 81213   | 156   | 1.2   | <1   | .8                                      | 7.4   | 82   | 7.4  |
| 14... | 1145 | 81213   | 312   | --  | --   | --                                      | 8.8   | 88   | 7.0  |
| 20... | 1135 | 81213   | 350   | --  | --   | --                                      | 12.8  | 116  | 7.1  |
| DEC   |      |   |   |   |  |   |   |  |  |
| 07... | 1205 | 81213   | 318   | .8  | 8  | 7.3                                     | 11.0  | 94   | 7.4  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | SPE-<br>CIFIC<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|--------------|---|--|---|---|---|---|---|---|--|---|
| JAN<br>24... | 102   | 99   | 7.0   | 10.1  | 38  | .03   | .8  | .020  | 3.7  | 130   |
| FEB<br>03... | --  | 95   | 9.5   | 7.0   | --  | --  | --  | --  | --   | 20  |
| 10...        | --  | 113  | 13.5  | 9.4   | --  | --  | --  | --  | --   | E20   |
| 17...        | 93  | 90   | 19.0  | 12.5  | 33  | .05   | .4  | .030  | 5.6  | 170   |
| MAR<br>30... | 139   | 137  | 25.0  | 18.3  | 59  | .05   | .4  | <.020   | 5.4  | --  |
| APR<br>27... | 132   | 130  | 20.0  | --  | 54  | .03   | .8  | <.020   | 2.5  | --  |
| MAY<br>11... | 160   | 160  | 27.5  | 23.8  | 72  | .04   | .9  | <.020   | 1.9  | 50  |
| 17...        | --  | 164  | 31.0  | 24.1  | --  | --  | --  | --  | --   | 50  |
| 24...        | --  | 181  | 30.0  | 25.9  | --  | --  | --  | --  | --   | <20   |
| JUN<br>08... | 205   | 208  | 26.0  | 24.8  | 99  | .04   | .9  | <.020   | .70  | <20   |
| JUL<br>20... | 119   | 120  | 29.0  | 29.2  | 50  | .05   | .6  | <.020   | 2.9  | 20  |
| 27...        | --  | 164  | 28.5  | 26.7  | --  | --  | --  | --  | --   | 20  |
| AUG<br>03... | --  | 148  | 27.0  | 26.6  | --  | --  | --  | --  | --   | 20  |
| 17...        | 161   | 162  | 30.0  | 27.4  | 74  | .06   | .6  | <.020   | 1.5  | 50  |
| SEP<br>14... | 95  | 92   | 29.0  | 24.8  | 30  | .07   | .5  | .030  | 4.1  | --  |
| OCT<br>26... | 130   | 129  | 18.5  | 18.8  | 54  | .10   | 1.0   | <.020   | 2.1  | --  |
| NOV<br>08... | 122   | 123  | 25.5  | 20.8  | 51  | .11   | .8  | <.020   | 2.3  | 80  |
| 14...        | --  | 81   | 15.0  | 16.0  | --  | --  | --  | --  | --   | 70  |
| 20...        | --  | 84   | 11.6  | 11.8  | --  | --  | --  | --  | --   | 80  |
| DEC<br>07... | 116   | 113  | 13.0  | 8.8   | 37  | .02   | .7  | <.020   | 5.1  | 50  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE NUMBER<br>(00028) | DIS-CHARGE, INST. CUBIC FEET PER SECOND<br>(00061) | OXYGEN, DIS-SOLVED (PER-CENT SATURATION)<br>(00300) | OXYGEN, DIS-SOLVED (PER-CENT SATURATION)<br>(00301) | PH WATER WHOLE FIELD (STANDARD UNITS)<br>(00400) | SPE-CIFIC CON-DUCT-ANCE (US/CM)<br>(00095) | TEMPER-ATURE AIR<br>(00020) | TEMPER-ATURE WATER<br>(00010) | CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)<br>(00916) | MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)<br>(00927) |
|-----------|------|--|--|---|---|--|--|-----------------------------|-------------------------------|--|--|
| JUN 08... | 0930 | 81213                                      | 87   | 6.9   | 83  | 8.1  | 208  | 26.0                        | 24.8                          | 37   | .9   |
| OCT 26... | 0910 | 81213                                      | 150  | 7.9   | 84  | 7.4  | 129  | 18.5                        | 18.8                          | 21   | 1.2  |

| DATE      | ANTI-MONY, TOTAL (UG/L AS SB)<br>(01097) | ARSENIC TOTAL (UG/L AS AS)<br>(01002) | CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD)<br>(01027) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)<br>(01034) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)<br>(01042) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)<br>(01051) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)<br>(71900) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)<br>(01067) | SELE-NIUM, TOTAL RECOV-ERABLE (UG/L AS SE)<br>(01147) | THAL-LIUM, TOTAL RECOV-ERABLE (UG/L AS TL)<br>(01059) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)<br>(01092) |
|-----------|--|---------------------------------------|---|---|--|--|--|--|---|---|--|
| JUN 08... | <1.0                                     | <2.0                                  | <.5   | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 8.8  |
| OCT 26... | <1.0                                     | <4.0                                  | <.5   | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 9.9  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02355830 BIG SLOUGH BELOW CAMILLA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 31°09'02", long 84°17'19", Mitchell County, Hydrologic Unit 03130008, at bridge on Georgia Highway 65, 7.0 miles southwest of Camilla.

**DRAINAGE AREA.--**157 mi<sup>2</sup>.

**PERIOD OF RECORD.--**April 1995 to December 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE | TIME  | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) |      |
|------|-------|---|---|--|---|---|---|--|--|---|---|---|---|------|
| FEB  | 17... | 0905  | 81213   | 2.2  | 14                                      | 59  | 4.3   | 42.5   | 6.5  | 6.5   | 83  | 79  | 17.5  | 15.4 |
| MAR  | 30... | 0825  | 81213   | 2.0  | 5                                       | 9.9   | 4.2   | 45.6   | 6.9  | 6.9   | 160   | 160   | 20.1  | 19.1 |
| JUL  | 27... | 0745  | 81213   | --   | --                                      | --  | 1.8   | 21.1   | 6.3  | --  | --  | 45  | 26.0  | 24.9 |
| AUG  | 03... | 0800  | 81213   | --   | --                                      | --  | 4.5   | 53.1   | 6.2  | --  | --  | 143   | --  | 23.9 |
| DEC  | 07... | 0915  | 81213   | 3.2  | 10                                      | 8.2   | 6.7   | 53.3   | 6.6  | 6.7   | 93  | 88  | 6.0   | 6.0  |

| DATE | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |     |
|------|--|---|---|---|--|---|-----|
| FEB  | 17...  | 17  | .08   | .4  | .390   | 13  | 330 |
| MAR  | 30...  | 36  | .05   | <.02  | .390   | 17  | --  |
| JUL  | 27...  | --  | --  | --  | --   | --  | 70  |
| AUG  | 03...  | --  | --  | --  | --   | --  | 20  |
| DEC  | 07...  | 21  | .03   | <.02  | .090   | 6.7   | 70  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02355950 BIG SLOUGH AT GEORGIA HIGHWAY 97, NEAR BAINBRIDGE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 30°56'05", long 84°31'23", Decatur County, Hydrologic Unit 03130008, at the bridge on Georgia Highway 97, 2.0 miles northeast of Bainbridge.

**DRAINAGE AREA.**--315 mi<sup>2</sup>.

**PERIOD OF RECORD.**--April 1995 to December 1995, January 2000 to December 2000 (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.

**During calendar year 2000, twenty attempts were made to collect monthly water quality samples at this site. The site was found to be dry during all twenty attempts to collect a water quality sample.**

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02356000 FLINT RIVER AT BAINBRIDGE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 30°54'41", long 84°34'48", 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 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--January 2000 to December 2000 (discontinued).

**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.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | GAGE<br>HEIGHT<br>(FEET)<br>(00065) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ARD<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>(00403) |
|-------|------|---|-------------------------------------|---|---|---|---|--|--|--|
| JAN   |      |   |                                     |   |   |   |   |  |  |  |
| 20... | 1045 | 81213   | 19.15                               | .6  | 5   | 6.2                                     | 9.4   | 90   | 7.7  | 7.6  |
| FEB   |      |   |                                     |   |   |   |   |  |  |  |
| 02... | 1145 | 81213   | 19.28                               | --  | --  | --                                      | 11.6  | 96   | 7.6  | --   |
| 09... | 0755 | 81213   | 18.54                               | --  | --  | --                                      | 9.7   | 84   | 7.6  | --   |
| 16... | 0915 | 81213   | 18.51                               | 1.2   | 18  | 19                                      | 9.4   | 89   | 7.6  | 7.5  |
| MAR   |      |   |                                     |   |   |   |   |  |  |  |
| 20... | 1120 | 81213   | 19.03                               | .7  | 15  | 12                                      | 8.1   | 85   | 7.3  | 7.6  |
| APR   |      |   |                                     |   |   |   |   |  |  |  |
| 18... | 1405 | 81213   | 19.15                               | 1.0   | 4   | 9.7                                     | 7.6   | 85   | 7.6  | 7.9  |
| MAY   |      |   |                                     |   |   |   |   |  |  |  |
| 09... | 1420 | 81213   | 17.33                               | 1.0   | 4   | 2.6                                     | 8.8   | 108  | 8.2  | 7.9  |
| 17... | 0655 | 81213   | 17.46                               | --  | --  | --                                      | 7.1   | 85   | 8.0  | --   |
| 24... | 0645 | 81213   | 17.46                               | --  | --  | --                                      | 7.4   | 92   | 8.1  | --   |
| JUN   |      |   |                                     |   |   |   |   |  |  |  |
| 05... | 1230 | 81213   | 17.78                               | 1.1   | 7   | 2.7                                     | 7.7   | 98   | 8.1  | 8.2  |
| JUL   |      |   |                                     |   |   |   |   |  |  |  |
| 24... | 1300 | 81213   | 17.69                               | 1.3   | 5   | 2.6                                     | 7.0   | 93   | 8.0  | 8.1  |
| 26... | 0615 | 81213   | 17.76                               | --  | --  | --                                      | 6.2   | 79   | 7.8  | --   |
| AUG   |      |   |                                     |   |   |   |   |  |  |  |
| 02... | 0700 | 81213   | 17.64                               | --  | --  | --                                      | 7.9   | 101  | 8.0  | --   |
| 15... | 1300 | 81213   | 17.75                               | 2.6   | 27  | 17                                      | 8.1   | 105  | 7.9  | 7.7  |
| SEP   |      |   |                                     |   |   |   |   |  |  |  |
| 18... | 1400 | 81213   | 17.84                               | 1.1   | 5   | 2.9                                     | 6.7   | 81   | 7.8  | 7.9  |
| OCT   |      |   |                                     |   |   |   |   |  |  |  |
| 10... | 1350 | 81213   | 18.41                               | .4  | 4   | 2.9                                     | 7.7   | 85   | 7.7  | 7.9  |
| NOV   |      |   |                                     |   |   |   |   |  |  |  |
| 07... | 1230 | 81213   | 17.98                               | 3.0   | 5   | 2.4                                     | 7.5   | 85   | 7.3  | 7.7  |
| 14... | 0805 | 81213   | 18.29                               | --  | --  | --                                      | 8.0   | 86   | 7.3  | --   |
| 20... | 0740 | 81213   | 18.61                               | --  | --  | --                                      | 9.3   | 91   | 7.4  | --   |
| DEC   |      |   |                                     |   |   |   |   |  |  |  |
| 04... | 1400 | 81213   | 18.44                               | .4  | 3   | 5.0                                     | 9.2   | 86   | 7.5  | 7.7  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02356000 FLINT RIVER AT BAINBRIDGE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>TIT 4.5<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>AS<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>AS<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>AS P<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>AS C<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 20... | 115   | 113   | 12.5  | 13.5  | 37   | .04   | .6  | <.020   | 3.1  | 20  |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 02... | --  | 95  | 10.5  | 8.1   | --   | --  | --  | --  | --   | <20   |
| 09... | --  | 124   | 3.5   | 9.6   | --   | --  | --  | --  | --   | <20   |
| 16... | 108   | 105   | 9.5   | 13.0  | 33   | .08   | .7  | .060  | 3.3  | 130   |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 20... | 120   | 121   | 22.5  | 18.0  | 40   | .05   | .5  | .050  | 3.6  | --  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 18... | 161   | 161   | 28.0  | 20.9  | 64   | .06   | 1.1   | .030  | 2.6  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 09... | 175   | 175   | 33.3  | 25.4  | 73   | .04   | 1.0   | .030  | 2.9  | <20   |
| 17... | --  | 175   | 23.0  | 25.5  | --   | --  | --  | --  | --   | <20   |
| 24... | --  | 194   | 24.0  | 26.2  | --   | --  | --  | --  | --   | <20   |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 05... | 189   | 190   | 32.7  | 28.2  | 78   | .05   | 1.0   | .020  | 2.2  | 70  |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 24... | 180   | 182   | 32.8  | 29.8  | 74   | .06   | .7  | .030  | 2.5  | <20   |
| 26... | --  | 183   | 22.0  | 28.1  | --   | --  | --  | --  | --   | 20  |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 02... | --  | 192   | 23.5  | 28.2  | --   | --  | --  | --  | --   | 50  |
| 15... | 169   | 171   | 32.0  | 29.2  | 63   | .05   | .7  | .080  | 2.5  | 20  |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 18... | 159   | 167   | 27.5  | 24.7  | 56   | <.01  | .7  | .040  | 2.3  | --  |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 10... | 172   | 192   | 22.6  | 20.5  | 61   | .06   | .9  | .030  | 2.7  | --  |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 07... | 146   | 148   | 27.0  | 21.9  | 46   | .09   | .6  | .030  | 2.5  | 80  |
| 14... | --  | 170   | 13.5  | 19.0  | --   | --  | --  | --  | --   | 40  |
| 20... | --  | 160   | 5.0   | 15.1  | --   | --  | --  | --  | --   | 170   |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 04... | 129   | 134   | 11.0  | 12.5  | 42   | .07   | .6  | .030  | 3.1  | 40  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02356000 FLINT RIVER AT BAINBRIDGE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | GAGE<br>HEIGHT<br>(FEET)<br>(00065) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|-------------------------------------|--|---|--|--|---|---|--|--|
| JUN<br>05... | 1230 | 81213   | 17.78                               | 7.7  | 98  | 8.1  | 190  | 32.7  | 28.2  | 28   | 1.2  |
| OCT<br>10... | 1350 | 81213   | 18.41                               | 7.7  | 85  | 7.7  | 192  | 22.6  | 20.5  | 22   | 1.2  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| JUN<br>05... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 30   |
| OCT<br>10... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 2.3  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02356460 DRY CREEK AT EARLY COUNTY ROAD 279/S-1691,  
NEAR HENTOWN, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 31°17'02", long 84°49'10", Early County, Hydrologic Unit 03130010, at bridge on County Road 279/S-1691, 3.5 miles upstream from Spring Creek, 1.7 miles downstream from Lime Branch, and 0.9 mile northeast of Hentown.

**DRAINAGE AREA.--**101 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**November 1961; January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|---|---|--|--|
| JAN   |      |   |   |   |  |   |   |   |  |  |
| 25... | 1250 | 81213   | 124   | 1.7   | 12   | 21                                      | 10.1  | 81  | 7.4  | 7.5  |
| FEB   |      |   |   |   |  |   |   |   |  |  |
| 22... | 1055 | 81213   | 47  | .6  | 2  | 4.2                                     | 9.6   | 83  | 7.9  | 7.7  |
| MAR   |      |   |   |   |  |   |   |   |  |  |
| 07... | 0955 | 81213   | 33  | --  | --   | --                                      | 7.9   | 75  | 7.6  | --   |
| 14... | 0950 | 81213   | 73  | --  | --   | --                                      | 8.9   | 78  | 7.5  | --   |
| 21... | 1120 | 81213   | 81  | .8  | 6  | 8.4                                     | 8.3   | 80  | 7.8  | 7.9  |
| APR   |      |   |   |   |  |   |   |   |  |  |
| 04... | 0900 | 81213   | 50  | --  | --   | --                                      | 6.1   | 63  | 7.7  | --   |
| 11... | 1040 | 81213   | 25  | --  | --   | --                                      | 8.9   | 84  | 7.8  | --   |
| 19... | 1000 | 81213   | 19  | 1.0   | 8  | 6.6                                     | 7.5   | 76  | 7.8  | 8.0  |
| MAY   |      |   |   |   |  |   |   |   |  |  |
| 02... | 0945 | 81213   | 9.8   | 1.1   | 10   | 9.2                                     | 7.0   | 73  | 7.8  | 7.9  |
| SEP   |      |   |   |   |  |   |   |   |  |  |
| 19... | 1030 | 81213   | 1.1   | 1.1   | 4  | 3.8                                     | 2.5   | 28  | 7.2  | 7.6  |
| 26... | 0930 | 81213   | 3.8   | --  | --   | --                                      | 4.0   | 47  | --   | --   |
| OCT   |      |   |   |   |  |   |   |   |  |  |
| 04... | 0920 | 81213   | 1.8   | --  | --   | --                                      | 3.3   | 36  | 6.9  | --   |
| 17... | 1045 | 81213   | 2.0   | .7  | 4  | 4.8                                     | 6.0   | 59  | 7.2  | 7.5  |
| NOV   |      |   |   |   |  |   |   |   |  |  |
| 28... | 1035 | 81213   | 35  | 2.4   | 2  | 6.4                                     | 8.2   | 71  | 6.8  | 7.5  |
| DEC   |      |   |   |   |  |   |   |   |  |  |
| 12... | 1110 | 81213   | 25  | .8  | 2  | 2.1                                     | 7.1   | 67  | 7.0  | 7.8  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02356460 DRY CREEK AT EARLY COUNTY ROAD 279/S-1691,  
NEAR HENTOWN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 25... | 134   | 132   | 7.0   | 5.9   | 50   | .05   | .1  | .050  | 7.4  | 940   |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 22... | 195   | 194   | 15.5  | 9.6   | 87   | .04   | .2  | <.020   | 3.4  | 230   |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 07... | --  | 207   | 21.5  | 13.4  | --   | --  | --  | --  | --   | 110   |
| 14... | --  | 172   | 17.0  | 10.6  | --   | --  | --  | --  | --   | 80  |
| 21... | 183   | 183   | 21.5  | 14.0  | 82   | .07   | .1  | .030  | 6.6  | 130   |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 04... | --  | 208   | 16.5  | 17.9  | --   | --  | --  | --  | --   | 80  |
| 11... | --  | 212   | 23.0  | 13.1  | --   | --  | --  | --  | --   | 50  |
| 19... | 209   | 208   | 22.5  | 16.0  | 95   | .09   | .5  | <.020   | 3.1  | 20  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 02... | 198   | 198   | 24.5  | 18.0  | 92   | .09   | .5  | .020  | 2.8  | --  |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 19... | 186   | 190   | 26.0  | 21.8  | 75   | .10   | .1  | .040  | 5.8  | <20   |
| 26... | --  | 171   | 17.5  | 23.4  | --   | --  | --  | --  | --   | 230   |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 04... | --  | 154   | 24.0  | 19.6  | --   | --  | --  | --  | --   | <20   |
| 17... | 123   | 123   | 23.0  | 14.9  | 44   | .07   | .1  | <.020   | 3.7  | 140   |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 28... | 176   | 178   | 14.5  | 9.6   | 37   | .03   | .03   | .030  | 9.1  | --  |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 12... | 195   | 193   | 15.5  | 13.3  | 60   | .03   | .1  | <.020   | 8.9  | --  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02356460 DRY CREEK AT EARLY COUNTY ROAD 279/S-1691,  
NEAR HENTOWN, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME  | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)       | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)       | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS MG)<br>(00927) |
|--------------|---|---|---|---|---|--|--|--|---|---|---|
| OCT<br>17... | 1045  | 81213   | 2.0   | 6.0   | 59  | 7.2  | 123  | 23.0   | 14.9  | 13  | 1.0   |
| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002)                    | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027)    | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034)           | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042)                  | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051)     | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059)               | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092)            |
| OCT<br>17... | <1.0  | <4.0  | <.5   | <1.0  | <2.0  | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 2.1   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02356640 SPRING CREEK AT COLQUITT, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 31°10'14", long 84°44'34", Miller County, Hydrologic Unit 03130010, at bridge on US Highway 27, at Colquitt.

**DRAINAGE AREA.**—281 mi<sup>2</sup>.

**PERIOD OF RECORD.**--April 1995 to December 1995, January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>CENT<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|---|---|--|--|
| JAN   |      |   |   |   |  |   |   |   |  |  |
| 20... | 1155 | 81213   | 85  | .9  | 5  | 3.9                                     | 7.0   | 69  | 7.9  | 7.9  |
| FEB   |      |   |   |   |  |   |   |   |  |  |
| 02... | 1000 | 81213   | 152   | --  | --   | --                                      | 11.6  | 94  | 7.2  | --   |
| 09... | 1140 | 81213   | 109   | --  | --   | --                                      | 10.4  | 88  | 7.5  | --   |
| 16... | 1445 | 81213   | 195   | 1.1   | <1   | 8.4                                     | 8.3   | 81  | 7.5  | 7.6  |
| MAR   |      |   |   |   |  |   |   |   |  |  |
| 29... | 1130 | 81213   | 182   | 1.2   | 7  | 5.7                                     | 7.3   | 75  | 7.8  | 7.9  |
| APR   |      |   |   |   |  |   |   |   |  |  |
| 26... | 1220 | 81213   | 81  | .8  | 10   | 8.0                                     | 8.6   | 87  | 7.9  | 7.8  |
| MAY   |      |   |   |   |  |   |   |   |  |  |
| 10... | 1020 | 81213   | 14  | 1.0   | 5  | 3.7                                     | 7.1   | 81  | 7.6  | 7.9  |
| 17... | 0945 | 81213   | 5.7   | --  | --   | --                                      | 6.9   | 79  | 7.8  | --   |
| 24... | 1005 | 81213   | >3.5  | --  | --   | --                                      | 6.0   | 72  | 7.8  | --   |
| JUN   |      |   |   |   |  |   |   |   |  |  |
| 07... | 1210 | 81213   | >3.5  | 3.2   | 5  | 3.1                                     | 4.7   | 56  | 8.1  | 7.4  |
| JUL   |      |   |   |   |  |   |   |   |  |  |
| 19... | 0930 | 81213   | >3.5  | 4.6   | 9  | 4.7                                     | 2.2   | 28  | 7.8  | 7.4  |
| 26... | 0945 | 81213   | >3.5  | --  | --   | --                                      | 1.9   | 23  | 7.4  | --   |
| AUG   |      |   |   |   |  |   |   |   |  |  |
| 02... | 0935 | 81213   | >3.5  | --  | --   | --                                      | 7.4   | 89  | 7.7  | --   |
| 16... | 1100 | 81213   | >3.5  | 4.9   | 7  | 3.1                                     | 3.7   | 46  | 7.7  | 7.3  |
| SEP   |      |   |   |   |  |   |   |   |  |  |
| 13... | 1045 | 81213   | >3.5  | 1.1   | 6  | 1.6                                     | 5.7   | 68  | 7.8  | 7.9  |
| OCT   |      |   |   |   |  |   |   |   |  |  |
| 25... | 1025 | 81213   | 16  | 2.2   | 4  | 2.1                                     | 7.6   | 79  | 7.5  | 8.2  |
| NOV   |      |   |   |   |  |   |   |   |  |  |
| 07... | 1055 | 81213   | 20  | 2.5   | 10   | 5.1                                     | 6.7   | 75  | 7.5  | 7.7  |
| 14... | 1055 | 81213   | 24  | --  | --   | --                                      | 7.8   | 79  | 7.4  | --   |
| 20... | 1040 | 81213   | 30  | --  | --   | --                                      | 8.1   | 74  | 7.4  | --   |
| DEC   |      |   |   |   |  |   |   |   |  |  |
| 06... | 1210 | 81213   | 34  | .8  | 1  | 2.7                                     | 9.6   | 82  | 7.3  | 7.6  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02356640 SPRING CREEK AT COLQUITT, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|--|---|---|---|--|---|
| JAN   |   |   |   |   |  |   |   |   |  |   |
| 20... | 208   | 207   | 16.0  | 14.3  | 92   | .02   | .3  | <.020   | 3.4  | 110   |
| FEB   |   |   |   |   |  |   |   |   |  |   |
| 02... | --  | 177   | 4.5   | 7.0   | --   | --  | --  | --  | --   | 130   |
| 09... | --  | 194   | 17.0  | 9.0   | --   | --  | --  | --  | --   | 330   |
| 16... | 170   | 168   | 28.0  | 15.1  | 73   | .04   | .1  | .030  | 6.9  | 230   |
| MAR   |   |   |   |   |  |   |   |   |  |   |
| 29... | 204   | 202   | 27.0  | 16.8  | 95   | .04   | .2  | .040  | 5.5  | --  |
| APR   |   |   |   |   |  |   |   |   |  |   |
| 26... | 210   | 208   | 23.0  | 16.1  | 97   | .08   | .6  | .030  | 3.3  | --  |
| MAY   |   |   |   |   |  |   |   |   |  |   |
| 10... | 232   | 233   | 27.5  | 21.7  | 112  | .08   | .6  | .040  | 2.3  | 230   |
| 17... | --  | 242   | 29.0  | 22.2  | --   | --  | --  | --  | --   | 130   |
| 24... | --  | 250   | 29.0  | 24.6  | --   | --  | --  | --  | --   | <20   |
| JUN   |   |   |   |   |  |   |   |   |  |   |
| 07... | 336   | 338   | 27.0  | 24.5  | 116  | .69   | 1.3   | 1.20  | 5.2  | 130   |
| JUL   |   |   |   |   |  |   |   |   |  |   |
| 19... | 347   | 358   | 32.0  | 27.5  | 118  | 1.20  | .4  | 1.40  | 5.9  | 20  |
| 26... | --  | 361   | 27.0  | 25.2  | --   | --  | --  | --  | --   | <20   |
| AUG   |   |   |   |   |  |   |   |   |  |   |
| 02... | --  | 239   | 29.0  | 24.5  | --   | --  | --  | --  | --   | 130   |
| 16... | 337   | 240   | 35.0  | 26.6  | 124  | .56   | .3  | 1.00  | 3.9  | 230   |
| SEP   |   |   |   |   |  |   |   |   |  |   |
| 13... | 247   | 248   | 33.0  | 24.4  | 114  | .12   | .5  | .220  | 2.7  | --  |
| OCT   |   |   |   |   |  |   |   |   |  |   |
| 25... | 242   | 245   | 23.0  | 17.7  | 114  | .14   | .8  | .090  | 2.6  | --  |
| NOV   |   |   |   |   |  |   |   |   |  |   |
| 07... | 243   | 245   | 27.0  | 20.8  | 115  | .06   | .7  | .120  | 1.7  | 490   |
| 14... | --  | 246   | 14.0  | 16.3  | --   | --  | --  | --  | --   | 490   |
| 20... | --  | 262   | 10.0  | 12.2  | --   | --  | --  | --  | --   | 790   |
| DEC   |   |   |   |   |  |   |   |   |  |   |
| 06... | 238   | 238   | 10.0  | 8.9   | 70   | .03   | .4  | <.020   | 7.6  | 790   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02356640 SPRING CREEK AT COLQUITT, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS MG)<br>(00927) |
|--------------|------|--|---|---|---|--|--|---|---|---|---|
| JUN<br>07... | 1210 | 81213  | >3.5  | 4.7   | 56  | 8.1  | 338  | 27.0  | 24.5  | 43  | 1.3   |
| OCT<br>25... | 1025 | 81213  | 16  | 7.6   | 79  | 7.5  | 245  | 23.0  | 17.7  | 46  | .8  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| JUN<br>07... | <1.0  | 3.9  | <.5  | <1.0  | 22   | <1.0   | <.1  | 1.2  | <2.0  | <2.0  | 5.0  |
| OCT<br>25... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02356980 AYCOCKS CREEK NEAR BOYKIN, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 31°05'11", long 84°44'12", Miller County, Hydrologic Unit 03130010, at the bridge on Holmes Road, 8.0 miles downstream from Cypress Creek, 1.6 miles above the mouth, and 3.2 miles southwest of Boykin.

**DRAINAGE AREA.--**105 mi<sup>2</sup>.

**PERIOD OF RECORD.--**March 1993 to March 1995 (USGS National Water-Quality Assessment), January 2000 to December 2000 (USGS-GAEPD Cooperative Sampling program, discontinued).

**REMARKS.--**Records for the streamflow gaging station at this site, located on the downstream side of the center bridge support on Holmes Road, are available for the period March 1993 to September 1995. 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|--|--|---|---|
| FEB   |      |   |   |   |   |   |  |  |   |   |
| 02... | 0915 | 81213   | --  | --  | --  | --                                      | 10.6   | 86   | 7.5   | --  |
| 09... | 1040 | 81213   | 5.2   | --  | --  | --                                      | 10.0   | 83   | 7.8   | --  |
| 16... | 1350 | 81213   | 15  | .7  | <1  | 6.0                                     | 7.7  | 76   | 7.7   | 7.8   |
| MAR   |      |   |   |   |   |   |  |  |   |   |
| 29... | 1040 | 81213   | 14  | .7  | 3   | 2.6                                     | 7.5  | 77   | 8.0   | 8.1   |
| APR   |      |   |   |   |   |   |  |  |   |   |
| 26... | 1030 | 81213   | 5.6   | .7  | 3   | 2.0                                     | 8.5  | 85   | 7.2   | 8.0   |

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L)<br>CACO3<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L)<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L)<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L)<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L)<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|---|--|--|--|---|---|
| FEB   |   |   |   |   |   |  |  |  |   |   |
| 02... | --  | 229   | 7.5   | 7.0   | --  | --   | --   | --   | --  | 140   |
| 09... | --  | 231   | 14.0  | 7.9   | --  | --   | --   | --   | --  | 20  |
| 16... | 216   | 214   | 27.0  | 15.5  | 96  | .05  | 1.5  | <.020  | 2.6   | 220   |
| MAR   |   |   |   |   |   |  |  |  |   |   |
| 29... | 241   | 240   | 24.0  | 16.9  | 115   | .03  | 1.0  | <.020  | 1.8   | --  |
| APR   |   |   |   |   |   |  |  |  |   |   |
| 26... | 230   | 229   | 22.0  | 15.8  | 110   | .06  | 1.0  | <.020  | 2.1   | --  |



**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02357000 SPRING CREEK NEAR IRON CITY, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 31°02'23", long 84°44'18", Decatur County, Hydrologic Unit 03130010, at the bridge on Lake Bridge Road, 1.5 miles downstream from Aycock Creek, 1.5 miles upstream from Dry Creek, 5.0 miles north of Brinson, and 5.5 miles northeast of Iron City.

**DRAINAGE AREA.**--485 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--April 1995 to December 1995, January 2000 to December 2000 (discontinued).

**REMARKS.**--The steamflow gaging station at this site is located on the right bank 25 feet downstream from the bridge on Lake Bridge Road. 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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION<br>(00301) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|--|---|---|--|---|---|--|---|---|
| JAN   |      |  |   |   |  |   |   |  |   |   |
| 20... | 1250 | 81213  | 109   | .8  | 5  | 3.4                                     | 8.7   | 84   | 7.8   | 8.1   |
| FEB   |      |  |   |   |  |   |   |  |   |   |
| 02... | 0820 | 81213  | 214   | --  | --   | --                                      | 12.3  | 100  | 7.5   | --  |
| 09... | 1000 | 81213  | 169   | --  | --   | --                                      | 11.0  | 92   | 7.9   | --  |
| 16... | 1305 | 81213  | 326   | 1.2   | 12   | 12                                      | 8.9   | 84   | 7.7   | 7.8   |
| MAR   |      |  |   |   |  |   |   |  |   |   |
| 29... | 0945 | 81213  | 276   | 1.4   | 25   | 11                                      | 7.6   | 79   | 8.1   | 8.0   |
| APR   |      |  |   |   |  |   |   |  |   |   |
| 26... | 0930 | 81213  | 105   | .7  | 7  | 3.8                                     | 8.2   | 83   | 8.1   | 8.0   |
| MAY   |      |  |   |   |  |   |   |  |   |   |
| 10... | 0920 | 81213  | 30  | 1.0   | 3  | 1.6                                     | 6.5   | 74   | 8.0   | 8.1   |
| 17... | 0905 | 81213  | 17  | --  | --   | --                                      | 7.4   | 85   | 8.0   | --  |
| 24... | 0920 | 81213  | 9.4   | --  | --   | --                                      | 6.1   | 73   | 7.8   | --  |
| JUN   |      |  |   |   |  |   |   |  |   |   |
| 07... | 0915 | 81213  | 4.3   | .8  | 2  | .9                                      | 5.9   | 66   | 8.1   | 8.1   |
| JUL   |      |  |   |   |  |   |   |  |   |   |
| 19... | 0815 | 81213  | .38   | 1.1   | 4  | 1.4                                     | 5.5   | 66   | 7.9   | 8.0   |
| 26... | 0850 | 81213  | .22   | --  | --   | --                                      | 5.0   | 58   | 7.6   | --  |
| AUG   |      |  |   |   |  |   |   |  |   |   |
| 02... | 0855 | 81213  | .19   | --  | --   | --                                      | 5.8   | 69   | 7.7   | --  |
| 16... | 0940 | 81213  | .06   | 1.2   | 4  | 1.4                                     | 4.9   | 59   | 7.8   | 7.8   |
| SEP   |      |  |   |   |  |   |   |  |   |   |
| 13... | 0925 | 81213  | .04   | .9  | 6  | 2.7                                     | 8.1   | 98   | 7.7   | 7.8   |
| OCT   |      |  |   |   |  |   |   |  |   |   |
| 25... | 0915 | 81213  | 1.1   | 1.2   | 4  | 1.7                                     | 5.3   | 55   | 7.5   | 8.1   |
| NOV   |      |  |   |   |  |   |   |  |   |   |
| 07... | 0940 | 81213  | .80   | 1.0   | 4  | 1.4                                     | 5.0   | 55   | 7.3   | 8.0   |
| 14... | 1010 | 81213  | .73   | --  | --   | --                                      | 6.2   | 64   | 7.4   | --  |
| 20... | 0905 | 81213  | 14  | --  | --   | --                                      | 10.2  | 89   | 7.7   | --  |
| DEC   |      |  |   |   |  |   |   |  |   |   |
| 06... | 0925 | 81213  | 35  | 1.3   | 2  | 1.8                                     | 10.7  | 87   | 7.6   | 7.7   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02357000 SPRING CREEK NEAR IRON CITY, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|--------------|---|--|---|---|--|---|---|---|--|---|
| JAN<br>20... | 206   | 205  | 14.5  | 14.0  | 91   | .02   | .3  | <.020   | 4.1  | 130   |
| FEB<br>02... | --  | 172  | 4.5   | 7.0   | --   | --  | --  | --  | --   | 140   |
| 09...        | --  | 195  | 10.5  | 8.3   | --   | --  | --  | --  | --   | 50  |
| 16...        | 190   | 187  | 25.0  | 13.1  | 83   | .04   | .4  | .040  | 5.2  | 170   |
| MAR<br>29... | 219   | 219  | 21.0  | 17.2  | 102  | .10   | .6  | .050  | 3.6  | --  |
| APR<br>26... | 231   | 231  | 19.0  | 16.5  | 105  | .30   | 1.0   | .150  | 2.7  | --  |
| MAY<br>10... | 236   | 237  | 25.5  | 22.1  | 113  | .06   | .9  | <.020   | 1.7  | 40  |
| 17...        | --  | 242  | 28.0  | 22.6  | --   | --  | --  | --  | --   | 50  |
| 24...        | --  | 241  | 29.0  | 24.2  | --   | --  | --  | --  | --   | 130   |
| JUN<br>07... | 245   | 247  | 23.5  | 21.2  | 115  | .08   | 1.5   | <.020   | .60  | 20  |
| JUL<br>19... | 242   | 245  | 30.0  | 24.8  | 117  | .08   | 1.0   | <.020   | .60  | 310   |
| 26...        | --  | 247  | 26.0  | 23.1  | --   | --  | --  | --  | --   | 230   |
| AUG<br>02... | --  | 227  | 28.5  | 23.9  | --   | --  | --  | --  | --   | 230   |
| 16...        | 225   | 229  | 30.0  | 25.2  | 111  | .19   | .6  | <.020   | .70  | 80  |
| SEP<br>13... | 219   | 220  | 28.0  | 24.7  | 109  | .19   | .04   | <.020   | 3.1  | --  |
| OCT<br>25... | 248   | 252  | 18.5  | 17.5  | 118  | .10   | 1.5   | <.020   | 2.6  | --  |
| NOV<br>07... | 247   | 252  | 28.0  | 20.6  | 118  | .08   | 1.2   | .030  | .70  | 330   |
| 14...        | --  | 247  | 14.5  | 17.6  | --   | --  | --  | --  | --   | 20  |
| 20...        | --  | 220  | 7.0   | 9.9   | --   | --  | --  | --  | --   | 330   |
| DEC<br>06... | 242   | 244  | 1.0   | 7.0   | 73   | .03   | .4  | <.020   | 7.4  | 80  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02357000 SPRING CREEK NEAR IRON CITY, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|--|--|--|---|---|---|---|
| JUN<br>07... | 0915 | 81213   | 4.3   | 5.9   | 66   | 8.1  | 247  | 23.5  | 21.2  | 46  | .6  |
| OCT<br>25... | 0915 | 81213   | 1.1   | 5.3   | 55   | 7.5  | 252  | 18.5  | 17.5  | 49  | .6  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| JUN<br>07... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 2.3  |
| OCT<br>25... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 3.1  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02357308 FISHPOND DRAIN AT GEORGIA HIGHWAY 39,  
NEAR DONALSONVILLE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 30°59'44", long 84°52'52", Seminole County, Hydrologic Unit 03130010, at bridge on Georgia Highway 39, 3.6 miles upstream from Wash Pond, 4.9 miles upstream from Spillway 100, and 2.1 miles south of Donalsonville.

**PERIOD OF RECORD.--**January 2000 to December 2000 (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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER)<br>(00028) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>TUR-<br>SUS-<br>PENDE-<br>ITY<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) |      |
|-------|------|--|---|---|---|---|--|--|---|---|---|---|------|
| FEB   |      |  |   |   |   |   |  |  |   |   |   |   |      |
| 02... | 1045 | 81213  | --  | --  | --                                      | 13.7  | 111  | 7.9  | --  | --  | 444   | 7.5   | 7.0  |
| 09... | 0905 | 81213  | --  | --  | --                                      | 11.4  | 92.9   | 8.4  | --  | --  | 518   | 7.5   | 7.2  |
| 16... | 1050 | 81213  | 2.4   | 10  | 82                                      | 5.4   | 50.7   | 7.1  | 7.1   | 155   | 152   | 21.5  | 13.5 |
| MAR   |      |  |   |   |   |   |  |  |   |   |   |   |      |
| 29... | 0810 | 81213  | 1.7   | 3   | 3.5                                     | 5.9   | 59.5   | 7.9  | 7.8   | 412   | 413   | 14.5  | 16.3 |
| APR   |      |  |   |   |   |   |  |  |   |   |   |   |      |
| 26... | 0805 | 81213  | 2.8   | 13  | 23                                      | 2.6   | 26.8   | 7.1  | 7.1   | 174   | 179   | 13.5  | 16.2 |
| MAY   |      |  |   |   |   |   |  |  |   |   |   |   |      |
| 10... | 0815 | 81213  | 1.2   | 4   | 2.5                                     | 5.1   | 58.0   | 7.8  | 7.8   | 514   | 516   | 24.0  | 21.6 |
| 17... | 0815 | 81213  | --  | --  | --                                      | 6.3   | 71.9   | 8.1  | --  | --  | 504   | 25.0  | 22.1 |
| 24... | 0805 | 81213  | --  | --  | --                                      | 4.1   | 49.0   | 7.9  | --  | --  | 505   | 28.0  | 24.3 |
| JUN   |      |  |   |   |   |   |  |  |   |   |   |   |      |
| 07... | 0745 | 81213  | 1.0   | 13  | 6.2                                     | 3.4   | 39.5   | 7.9  | 7.8   | 502   | 511   | 20.0  | 23.2 |
| JUL   |      |  |   |   |   |   |  |  |   |   |   |   |      |
| 19... | 0700 | 81213  | .9  | 4   | 2.3                                     | 3.5   | 44.6   | 7.8  | 7.9   | 473   | 483   | 26.0  | 27.3 |
| 26... | 0755 | 81213  | --  | --  | --                                      | 3.5   | 42.5   | 7.5  | --  | --  | 485   | 24.5  | 24.7 |
| AUG   |      |  |   |   |   |   |  |  |   |   |   |   |      |
| 02... | 0805 | 81213  | --  | --  | --                                      | 4.6   | 54.6   | 7.5  | --  | --  | 329   | 25.0  | 24.5 |
| 16... | 0810 | 81213  | 1.0   | 3   | 1.2                                     | 4.8   | 57.3   | 7.7  | 7.8   | 412   | 420   | 25.0  | 24.7 |
| SEP   |      |  |   |   |   |   |  |  |   |   |   |   |      |
| 13... | 0830 | 81213  | .5  | 6   | 2.6                                     | 3.5   | 41.5   | 7.6  | 7.8   | 441   | 443   | 25.0  | 24.1 |
| OCT   |      |  |   |   |   |   |  |  |   |   |   |   |      |
| 25... | 0750 | 81213  | 2.3   | 4   | 3.3                                     | 4.5   | 45.0   | 7.4  | 7.7   | 539   | 547   | 13.0  | 15.9 |
| NOV   |      |  |   |   |   |   |  |  |   |   |   |   |      |
| 07... | 0825 | 81213  | 1.8   | 3   | 2.3                                     | 4.1   | 45.3   | 7.3  | 7.7   | 528   | 538   | 21.0  | 20.3 |
| 14... | 0925 | 81213  | --  | --  | --                                      | 5.2   | 53.8   | 6.9  | --  | --  | 213   | 12.5  | 17.3 |
| 20... | 1000 | 81213  | --  | --  | --                                      | --  | --   | 6.9  | --  | --  | 140   | 8.5   | --   |
| DEC   |      |  |   |   |   |   |  |  |   |   |   |   |      |
| 06... | 1040 | 81213  | .8  | 4   | 3.5                                     | 8.9   | 71.1   | 7.6  | 7.8   | 515   | 521   | 9.0   | 6.2  |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02357308 FISHPOND DRAIN AT GEORGIA HIGHWAY 39,  
NEAR DONALSONVILLE, GA**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE       | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|------------|--|---|---|---|--|---|
| <b>FEB</b> |  |   |   |   |  |   |
| 02...      | --   | --  | --  | --  | --   | 40  |
| 09...      | --   | --  | --  | --  | --   | 1100  |
| 16...      | 45   | 1.70  | 1.2   | .810  | 9.1  | 9200  |
| <b>MAR</b> |  |   |   |   |  |   |
| 29...      | 103  | .06   | 6.6   | .620  | 3.9  | --  |
| <b>APR</b> |  |   |   |   |  |   |
| 26...      | 41   | 1.50  | 2.8   | 1.30  | 5.5  | --  |
| <b>MAY</b> |  |   |   |   |  |   |
| 10...      | 121  | .10   | 8.5   | 1.90  | 4.1  | 110   |
| 17...      | --   | --  | --  | --  | --   | <20   |
| 24...      | --   | --  | --  | --  | --   | <20   |
| <b>JUN</b> |  |   |   |   |  |   |
| 07...      | 135  | .13   | 6.8   | 1.90  | 3.3  | 130   |
| <b>JUL</b> |  |   |   |   |  |   |
| 19...      | 115  | .21   | 9.5   | 1.30  | 3.1  | 20  |
| 26...      | --   | --  | --  | --  | --   | <20   |
| <b>AUG</b> |  |   |   |   |  |   |
| 02...      | --   | --  | --  | --  | --   | 110   |
| 16...      | 109  | .08   | 6.8   | 1.10  | 2.9  | 1400  |
| <b>SEP</b> |  |   |   |   |  |   |
| 13...      | 116  | .12   | 7.2   | .560  | 3.0  | --  |
| <b>OCT</b> |  |   |   |   |  |   |
| 25...      | 128  | .10   | 12.0  | 1.40  | 6.6  | --  |
| <b>NOV</b> |  |   |   |   |  |   |
| 07...      | 127  | .08   | 10.0  | 1.80  | 5.1  | 330   |
| 14...      | --   | --  | --  | --  | --   | 790   |
| 20...      | --   | --  | --  | --  | --   | 17000   |
| <b>DEC</b> |  |   |   |   |  |   |
| 06...      | 130  | .51   | 7.4   | 1.30  | 3.6  | 330   |

**APALACHICOLA RIVER BASIN  
2000 Calendar Year**

**02357308 FISHPOND DRAIN AT GEORGIA HIGHWAY 39,  
NEAR DONALSONVILLE, GA**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>NUMBER<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN,   | PH   | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095)     | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)                    | CALCIUM  | MAGNE-  | ANTI-<br>MONY,<br>TOTAL<br>(UG/L)<br>AS SB)<br>(01097)           | ARSENIC<br>TOTAL<br>(UG/L)<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>TOTAL<br>(UG/L)<br>AS CD)<br>(01027) |     |
|--------------|------|--|---|--|--|--|--|--|---|--|---|--|-----|
|              |      |  | DIS-<br>SOLVED<br>(PER-<br>CENT<br>(STAND-<br>ARD<br>UNITS)<br>(00300)<br>(00301) | WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400)     |  |  |  | TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS CA)<br>(00916) | SOLIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L)<br>AS MG)<br>(00927) |  |   |  |     |
| JUN<br>07... | 0745 | 81213  | 3.4   | 39.5   | 7.9  | 511  | 20.0   | 23.2   | 52  | 1.5  | <1.0  | <2.0   | <.5 |
| OCT<br>25... | 0750 | 81213  | 4.5   | 45.0   | 7.4  | 547  | 13.0   | 15.9   | 54  | 1.5  | <1.0  | <4.0   | <.5 |
| DATE         |      |  | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034)         | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147)    | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059)               | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |   |  |     |
| JUN<br>07... |      |  | <1.0  | 7.0  | 1.1  | <.1  | 1.4  | <2.0   | <2.0  | 52   |   |  |     |
| OCT<br>25... |      |  | <1.0  | 6.9  | <2.0   | <.1  | 1.8  | <4.0   | <2.0  | 48   |   |  |     |

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02384750 CONASAUGA RIVER NEAR DALTON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 34°47'00", long 84°52'23", Whitfield-Murray County line, Hydrologic Unit 03150101, at the bridge on US Highway 76 5.5 miles east of Dalton.

**DRAINAGE AREA.**--308 mi<sup>2</sup>.

**PERIOD OF RECORD.**--July 1990 to February 1994, April 1995 to current year.

**REVISED RECORDS.**--Water-quality samples collected at the US 76 bridge, 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

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02384750 CONASAUGA RIVER NEAR DALTON, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | COLOR<br>(PLAT-<br>INUM-<br>COBALT<br>UNITS)<br>(00080) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) |
|-------|------|--|---|---|---|---|---|---|---|--|--|---|--|
| JAN   |      |  |   |   |   |   |   |   |   |  |  |   |  |
| 19... | 1400 | 81341  | 103   | <2.0  | --  | 5   | 4.0                                     | 11.4  | 97.4  | 7.7  | 7.4  | 110   | 118  |
| FEB   |      |  |   |   |   |   |   |   |   |  |  |   |  |
| 01... | 0925 | 81213  | 140   | --  | --  | --  | --                                      | 13.3  | 97.1  | 7.5  | --   | --  | 124  |
| 08... | 0930 | 81213  | 66  | --  | --  | --  | --                                      | 12.3  | 96.8  | 7.6  | --   | --  | 125  |
| 15... | 0935 | 81341  | 490   | 2.1   | --  | 36  | 34                                      | 9.2   | 81.6  | 7.3  | 7.5  | 129   | 127  |
| MAR   |      |  |   |   |   |   |   |   |   |  |  |   |  |
| 07... | 0920 | 81341  | 209   | <2.0  | 160   | 32  | 10                                      | 9.9   | 91.2  | 7.4  | 7.6  | 101   | 101  |
| APR   |      |  |   |   |   |   |   |   |   |  |  |   |  |
| 04... | 0910 | 81341  | >2970   | 2.3   | --  | 30  | 35                                      | 6.5   | 65.2  | 6.7  | 6.9  | 55  | 54   |
| MAY   |      |  |   |   |   |   |   |   |   |  |  |   |  |
| 09... | 0750 | 81213  | 134   | --  | --  | --  | --                                      | 7.2   | 83.2  | 7.5  | --   | --  | 130  |
| 16... | 0745 | 81213  | 76  | --  | --  | --  | --                                      | 7.6   | 83.6  | 7.5  | --   | --  | 140  |
| 23... | 1015 | 81341  | 136   | 2.0   | --  | --  | 26                                      | 7.2   | 83.9  | 7.8  | 7.9  | 154   | 152  |
| 23... | 1016 | 81213  | 136   | --  | --  | --  | --                                      | 7.2   | 83.9  | 7.8  | --   | --  | 152  |
| JUN   |      |  |   |   |   |   |   |   |   |  |  |   |  |
| 06... | 0750 | 81341  | 2210  | 2.3   | --  | --  | 64                                      | 6.9   | 77.5  | 7.0  | 7.2  | 68  | 69   |
| JUL   |      |  |   |   |   |   |   |   |   |  |  |   |  |
| 05... | 0840 | 81341  | 100   | <2.0  | --  | --  | 7.0                                     | 6.7   | 83.1  | 7.4  | 7.7  | 158   | 156  |
| AUG   |      |  |   |   |   |   |   |   |   |  |  |   |  |
| 08... | 0835 | 81341  | 13  | <2.0  | --  | --  | 3.0                                     | 6.1   | 75.9  | 7.4  | 7.9  | 158   | 159  |
| 15... | 0730 | 81213  | 8.3   | --  | --  | --  | --                                      | 6.1   | 71.7  | 7.5  | --   | --  | 173  |
| 29... | 0800 | 81213  | 12  | --  | --  | --  | --                                      | 5.8   | 69.9  | 7.4  | --   | --  | 179  |
| SEP   |      |  |   |   |   |   |   |   |   |  |  |   |  |
| 05... | 0825 | 81341  | 24  | <2.0  | --  | --  | 4.0                                     | 6.3   | 77.8  | 7.5  | 7.8  | 127   | 132  |
| OCT   |      |  |   |   |   |   |   |   |   |  |  |   |  |
| 03... | 0840 | 81341  | 13  | <2.0  | --  | --  | 3.0                                     | 7.6   | 82.4  | 7.5  | 7.8  | 150   | 148  |
| NOV   |      |  |   |   |   |   |   |   |   |  |  |   |  |
| 07... | 0925 | 81341  | 29  | <2.0  | --  | --  | 3.0                                     | 7.4   | 75.3  | 7.3  | 7.8  | 177   | 175  |
| 14... | 0920 | 81213  | 62  | --  | --  | --  | --                                      | 9.7   | 88.9  | 7.5  | --   | --  | 118  |
| 28... | 0855 | 81213  | 173   | --  | --  | --  | --                                      | 10.8  | 91.1  | 7.2  | --   | --  | 102  |
| DEC   |      |  |   |   |   |   |   |   |   |  |  |   |  |
| 05... | 1245 | 81341  | 136   | <2.0  | --  | --  | 4.0                                     | 12.2  | 97.7  | 7.9  | 8.2  | 143   | 141  |
| 05... | 1246 | 81213  | 136   | --  | --  | --  | --                                      | 12.2  | 97.7  | 7.9  | --   | --  | 141  |



**MOBILE RIVER BASIN  
2000 Calendar Year**

**02384750 CONASAUGA RIVER NEAR DALTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | HARD-<br>NESS<br>TOTAL<br>(MG/L<br>AS<br>CACO3)<br>(00900) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|--|---|--|--|--|--|---|
| JAN   |   |   |  |   |  |  |  |  |   |
| 19... | 10.5  | 7.8   | 50   | 47  | <.03   | .1   | <.020  | <1.0   | 80  |
| FEB   |   |   |  |   |  |  |  |  |   |
| 01... | -4.0  | 2.0   | --   | --  | --   | --   | --   | --   | 70  |
| 08... | 4.0   | 5.0   | --   | --  | --   | --   | --   | --   | 20  |
| 15... | 7.0   | 9.5   | 58   | 49  | .07  | .2   | .130   | 6.0  | 2500  |
| MAR   |   |   |  |   |  |  |  |  |   |
| 07... | 9.5   | 11.5  | 48   | 40  | <.03   | .1   | .033   | 2.6  | --  |
| APR   |   |   |  |   |  |  |  |  |   |
| 04... | 8.4   | 14.7  | 22   | 20  | .04  | .1   | .150   | 9.1  | --  |
| MAY   |   |   |  |   |  |  |  |  |   |
| 09... | 20.4  | 21.5  | --   | --  | --   | --   | --   | --   | 310   |
| 16... | 13.5  | 19.3  | --   | --  | --   | --   | --   | --   | 20  |
| 23... | 22.2  | 22.0  | --   | 65  | .43  | .6   | .170   | 7.0  | 1700  |
| 23... | 22.2  | 22.0  | --   | --  | --   | --   | --   | --   | --  |
| JUN   |   |   |  |   |  |  |  |  |   |
| 06... | 16.5  | 20.2  | --   | 27  | .04  | .3   | .200   | 7.5  | 24000   |
| JUL   |   |   |  |   |  |  |  |  |   |
| 05... | 24.9  | 25.3  | --   | 74  | .10  | .3   | .030   | 5.4  | --  |
| AUG   |   |   |  |   |  |  |  |  |   |
| 08... | 25.5  | 26.0  | --   | 74  | .07  | .2   | .020   | 3.9  | 40  |
| 15... | 19.8  | 22.8  | --   | --  | --   | --   | --   | --   | 50  |
| 29... | 24.6  | 24.4  | --   | --  | --   | --   | --   | --   | 20  |
| SEP   |   |   |  |   |  |  |  |  |   |
| 05... | 22.5  | 24.9  | --   | 61  | .06  | .2   | .020   | 7.5  | 790   |
| OCT   |   |   |  |   |  |  |  |  |   |
| 03... | 19.6  | 18.4  | --   | 68  | <.03   | <.02   | .020   | 5.9  | --  |
| NOV   |   |   |  |   |  |  |  |  |   |
| 07... | 15.4  | 15.3  | --   | 79  | .04  | .04  | .010   | 5.8  | 20  |
| 14... | 6.2   | 10.9  | --   | --  | --   | --   | --   | --   | 490   |
| 28... | 2.5   | 7.6   | --   | --  | --   | --   | --   | --   | 80  |
| DEC   |   |   |  |   |  |  |  |  |   |
| 05... | 8.1   | 5.6   | --   | --  | <.03   | .2   | .020   | 4.9  | --  |
| 05... | 8.1   | 5.6   | --   | --  | --   | --   | --   | --   | --  |

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) |
|-------|------|---|---|---|---|--|--|---|---|--|--|---|--|
| MAY   |      |   |   |   |   |  |  |   |   |  |  |   |  |
| 23... | 1016 | 81213   | 136   | 7.2   | 83.9  | 7.8  | 152  | 22.2  | 22.0  | 19   | 4.9  | <1.0  | <2.0   |
| DEC   |      |   |   |   |   |  |  |   |   |  |  |   |  |
| 05... | 1246 | 81213   | 136   | 12.2  | 98  | 7.9  | 141  | 8.1   | 5.6   | 19   | 4.9  | <1.0  | <4.0   |

| DATE  | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|-------|--|---|--|--|--|--|---|---|--|
| MAY   |  |   |  |  |  |  |   |   |  |
| 23... | <.5  | 1.5   | 2.5  | 1.1  | <.1  | <1.0   | <2.0  | <2.0  | 5.6  |
| DEC   |  |   |  |  |  |  |   |   |  |
| 05... | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02387000 CONASAUGA RIVER AT TILTON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 34°40'00", long 84°55'42", Whitfield-Murray County line, Hydrologic Unit 03150101, at the Tilton Road bridge, 0.2 mile downstream from Swamp Creek, 0.5 mile northeast of Tilton, and 12.0 miles upstream from the confluence with the Coosawattee River, and, at Tilton.

**DRAINAGE AREA.**--687 mi<sup>2</sup>.

**PERIOD OF RECORD.**--March 1968 to current year.

**PERIOD OF CONTINUOUS WATER-QUALITY RECORD.**--

SPECIFIC CONDUCTANCE: October 1975 to current year.

pH: October 1975 to current year.

WATER TEMPERATURE: October 1975 to current year.

DISSOLVED OXYGEN: October 1975 to current year.

**WATER-QUALITY INSTRUMENTATION.**--Water-quality monitor. Specific Conductance, pH, Water Temperature, and Dissolved Oxygen recorded hourly.

**REMARKS.**--Continuous water-quality data for this station are available in a separate theme of this report. The streamflow gaging station and the continuous water-quality monitor at this site is located on the left bank 250 feet downstream from Tilton Road 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.

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02387000 CONASAUGA RIVER AT TILTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(CODE<br>00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) |
|-------|------|---|---|---|---|---|---|---|--|--|---|
| JAN   |      |   |   |   |   |   |   |   |  |  |   |
| 19... | 1220 | 81341   | 274   | <2.0  | 10  | 9.0                                     | 11.4  | 96  | 7.2  | 7.6  | 260   |
| FEB   |      |   |   |   |   |   |   |   |  |  |   |
| 01... | 0835 | 81213   | 510   | --  | --  | --                                      | 13.0  | 95  | 7.6  | --   | --  |
| 08... | 0840 | 81213   | 245   | --  | --  | --                                      | 12.1  | 94  | 7.6  | --   | --  |
| 15... | 0845 | 81341   | 1700  | 2.6   | 103   | 66                                      | 8.9   | 79  | 7.5  | 7.6  | 187   |
| MAR   |      |   |   |   |   |   |   |   |  |  |   |
| 07... | 0830 | 81341   | 525   | <2.0  | 59  | 35                                      | 9.3   | 86  | 7.5  | 7.8  | 171   |
| APR   |      |   |   |   |   |   |   |   |  |  |   |
| 04... | 0815 | 81341   | 9860  | 2.2   | 11  | 29                                      | 5.5   | 56  | 6.9  | 7.4  | 97  |
| MAY   |      |   |   |   |   |   |   |   |  |  |   |
| 09... | 0705 | 81213   | 329   | --  | --  | --                                      | 6.6   | 77  | 7.5  | --   | --  |
| 16... | 0700 | 81213   | 212   | --  | --  | --                                      | 7.2   | 81  | 7.5  | --   | --  |
| 23... | 0840 | 81341   | 379   | <2.0  | 20  | 23                                      | 6.7   | 80  | 7.7  | 7.8  | 209   |
| 23... | 0841 | 81213   | 379   | --  | --  | --                                      | 6.7   | 80  | 7.7  | --   | --  |
| JUN   |      |   |   |   |   |   |   |   |  |  |   |
| 06... | 0700 | 81341   | 2870  | 3.1   | 151   | 88                                      | 5.8   | 66  | 7.2  | 7.8  | 141   |
| JUL   |      |   |   |   |   |   |   |   |  |  |   |
| 05... | 0750 | 81341   | 281   | <2.0  | 22  | 15                                      | 6.1   | 76  | 7.5  | 7.7  | 200   |
| AUG   |      |   |   |   |   |   |   |   |  |  |   |
| 08... | 0745 | 81341   | E146  | <2.0  | 37  | 21                                      | 5.4   | 69  | 7.4  | 7.9  | 291   |
| 15... | 0655 | 81213   | E120  | --  | --  | --                                      | 6.3   | 77  | 7.6  | --   | --  |
| 29... | 0715 | 81213   | E148  | --  | --  | --                                      | 4.5   | 56  | 7.3  | --   | --  |
| SEP   |      |   |   |   |   |   |   |   |  |  |   |
| 05... | 0735 | 81341   | 155   | 4.5   | 42  | 21                                      | 5.5   | 69  | 7.5  | 7.8  | 366   |
| OCT   |      |   |   |   |   |   |   |   |  |  |   |
| 03... | 0750 | 81341   | 123   | <2.0  | 23  | 15                                      | 7.2   | 79  | 7.5  | 7.8  | 330   |
| NOV   |      |   |   |   |   |   |   |   |  |  |   |
| 07... | 0835 | 81341   | 147   | <2.0  | 25  | 11                                      | 6.8   | 69  | 7.4  | 7.7  | 480   |
| 14... | 0830 | 81213   | 401   | --  | --  | --                                      | 9.0   | 83  | 7.4  | --   | --  |
| 28... | 0820 | 81213   | 604   | --  | --  | --                                      | 10.7  | 90  | 7.2  | --   | --  |
| DEC   |      |   |   |   |   |   |   |   |  |  |   |
| 05... | 1100 | 81341   | 499   | <2.0  | 3   | 7.0                                     | 12.1  | 96  | 7.8  | 8.2  | 226   |
| 05... | 1101 | 81213   | 499   | --  | --  | --                                      | 12.1  | 96  | 7.8  | --   | --  |

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02387000 CONASAUGA RIVER AT TILTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | HARD-<br>NESS<br>TOTAL<br>(MG/L<br>AS<br>CACO3)<br>(00900) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|---|---|--|--|---|---|---|--|---|
| JAN   |  |   |   |  |  |   |   |   |  |   |
| 19... | 261  | 10.5  | 7.4   | 74   | 62   | .08   | 1.2   | .170  | 3.6  | 330   |
| FEB   |  |   |   |  |  |   |   |   |  |   |
| 01... | 215  | -4.0  | 2.0   | --   | --   | --  | --  | --  | --   | 80  |
| 08... | 242  | .0  | 4.5   | --   | --   | --  | --  | --  | --   | 220   |
| 15... | 187  | 1.0   | 9.6   | 76   | 60   | .05   | .5  | .260  | 6.7  | 2300  |
| MAR   |  |   |   |  |  |   |   |   |  |   |
| 07... | 173  | 3.0   | 11.6  | 64   | 58   | .04   | .6  | .170  | 5.8  | --  |
| APR   |  |   |   |  |  |   |   |   |  |   |
| 04... | 97   | 7.4   | 15.7  | 36   | 37   | .06   | .2  | .130  | --   | --  |
| MAY   |  |   |   |  |  |   |   |   |  |   |
| 09... | 187  | 15.5  | 21.6  | --   | --   | --  | --  | --  | --   | 330   |
| 16... | 204  | 10.2  | 20.6  | --   | --   | --  | --  | --  | --   | <20   |
| 23... | 217  | 18.4  | 22.6  | 74   | 72   | .18   | .7  | .160  | 6.3  | 790   |
| 23... | 217  | 18.4  | 22.6  | --   | --   | --  | --  | --  | --   | --  |
| JUN   |  |   |   |  |  |   |   |   |  |   |
| 06... | 142  | 14.5  | 21.2  | 52   | 52   | .11   | .5  | .320  | 6.5  | 7900  |
| JUL   |  |   |   |  |  |   |   |   |  |   |
| 05... | 200  | 20.5  | 26.2  | 90   | 74   | .07   | .5  | .140  | 5.6  | --  |
| AUG   |  |   |   |  |  |   |   |   |  |   |
| 08... | 291  | 21.2  | 26.5  | 96   | 90   | .04   | .6  | .280  | 5.3  | 2300  |
| 15... | 302  | 15.2  | 25.0  | --   | --   | --  | --  | --  | --   | 50  |
| 29... | 327  | 20.9  | 25.0  | --   | --   | --  | --  | --  | --   | 330   |
| SEP   |  |   |   |  |  |   |   |   |  |   |
| 05... | 387  | 19.7  | 25.8  | --   | 101  | .03   | .5  | .360  | 5.1  | 490   |
| OCT   |  |   |   |  |  |   |   |   |  |   |
| 03... | 334  | 13.3  | 19.2  | 90   | 83   | .03   | .7  | .290  | 9.2  | --  |
| NOV   |  |   |   |  |  |   |   |   |  |   |
| 07... | 480  | 14.9  | 15.5  | 120  | 99   | .04   | .7  | .310  | 9.0  | 330   |
| 14... | 177  | 5.5   | 10.9  | --   | --   | --  | --  | --  | --   | 700   |
| 28... | 200  | -2.0  | 7.6   | --   | --   | --  | --  | --  | --   | 490   |
| DEC   |  |   |   |  |  |   |   |   |  |   |
| 05... | 227  | 4.4   | 5.2   | 62   | --   | <.03  | .7  | .120  | 5.5  | --  |
| 05... | 227  | 4.4   | 5.2   | --   | --   | --  | --  | --  | --   | --  |

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02387000 CONASAUGA RIVER AT TILTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, (PER-CENT SATUR-ATION) (00301) | PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400) | SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095) | TEMPER-ATURE AIR (DEG C) (00020) | TEMPER-ATURE WATER (DEG C) (00010) | CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916) | MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927) |
|-----------|------|--|---|-----------------------------------|--|--|---|----------------------------------|------------------------------------|---|---|
| MAY 23... | 0841 | 81213                                  | 379   | 6.7                               | 80                                     | 7.7  | 217                                     | 18.4                             | 22.6                               | 17  | 4.0   |
| DEC 05... | 1101 | 81213                                  | 499   | 12.1                              | 96                                     | 7.8  | 227                                     | 4.4                              | 5.2                                | 22  | 5.2   |

| DATE      | ANTI-MONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | THAL-LIUM, TOTAL (UG/L AS TL) (01059) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) |
|-----------|---------------------------------------|------------------------------------|--|--|---|---|---|---|---------------------------------------|---------------------------------------|---|
| MAY 23... | <1.0                                  | 2.8                                | <.5  | <1.0   | <1.0  | 1.2   | <.1   | 1.6   | <2.0                                  | <2.0                                  | 10  |
| DEC 05... | <1.0                                  | <4.0                               | <.5  | <1.0   | <2.0  | <2.0  | <.1   | 1.2   | <4.0                                  | <2.0                                  | 7.5   |

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02388520 OOSTANAULA RIVER AT ROME, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 34°16'13", long 85°10'24", Floyd County, Hydrologic Unit 03150103, 1.2 miles upstream from confluence with Etowah River, and, at Rome.

**DRAINAGE AREA.**--2,150 mi<sup>2</sup>, approximately.

**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. Streamflows for the water-quality samples are computed from the records of the gaging station 02388500, Oostanaula River near Rome, GA. The flow at this site is regulated by Carters Lake (station 02381400) and Carters Re-regulation Dam (station 02382400).

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>(STAND-<br>ARD<br>UNITS)<br>(00403) |
|-------|------|---|--|---|---|---|---|---|---|---|
| JAN   |      |   |  |   |   |   |   |   |   |   |
| 20... | 0845 | 81341   | 1230   | <2.0  | 70  | 21                                      | 11.0  | 94  | 7.4   | 7.3   |
| FEB   |      |   |  |   |   |   |   |   |   |   |
| 02... | 0920 | 81213   | 2340   | --  | --  | --                                      | 12.0  | 92  | 7.4   | --  |
| 09... | 0930 | 81213   | 1330   | --  | --  | --                                      | 12.1  | 98  | 7.6   | --  |
| 16... | 0955 | 81341   | 3260   | 2.1   | 117   | 72                                      | 9.9   | 89  | 7.5   | 7.5   |
| MAR   |      |   |  |   |   |   |   |   |   |   |
| 08... | 0910 | 81341   | 1420   | <2.0  | 41  | 22                                      | 9.3   | 89  | 7.4   | 7.9   |
| APR   |      |   |  |   |   |   |   |   |   |   |
| 05... | 0845 | 81341   | 23600  | 2.6   | 65  | 62                                      | 6.2   | 61  | 6.9   | 7.0   |
| MAY   |      |   |  |   |   |   |   |   |   |   |
| 10... | 0805 | 81213   | 1420   | --  | --  | --                                      | 7.2   | 85  | 7.5   | --  |
| 17... | 0800 | 81213   | 1140   | --  | --  | --                                      | 7.9   | 88  | 7.5   | --  |
| 24... | 0840 | 81341   | 1620   | <2.0  | 20  | 18                                      | 6.3   | 73  | 7.7   | 7.9   |
| 24... | 0841 | 81213   | 1620   | --  | --  | --                                      | 6.3   | 73  | 7.7   | --  |
| JUN   |      |   |  |   |   |   |   |   |   |   |
| 07... | 0805 | 81341   | 2970   | <2.0  | 146   | 40                                      | 6.1   | 69  | 7.4   | 7.7   |
| JUL   |      |   |  |   |   |   |   |   |   |   |
| 06... | 0820 | 81341   | 803  | <2.0  | 29  | 15                                      | 6.8   | 86  | 7.5   | 7.7   |
| AUG   |      |   |  |   |   |   |   |   |   |   |
| 09... | 0810 | 81341   | 720  | <2.0  | 35  | 18                                      | 6.3   | 82  | 7.5   | 8.0   |
| 16... | 0735 | 81213   | 678  | --  | --  | --                                      | 7.1   | 88  | 7.4   | --  |
| SEP   |      |   |  |   |   |   |   |   |   |   |
| 06... | 0800 | 81341   | 822  | <2.0  | 25  | 15                                      | 6.4   | 79  | 7.3   | 7.8   |
| 07... | 0805 | 81213   | 651  | --  | --  | --                                      | 6.9   | 82  | 7.6   | --  |
| OCT   |      |   |  |   |   |   |   |   |   |   |
| 04... | 0815 | 81341   | 492  | <2.0  | 16  | 11                                      | 7.7   | 86  | 7.4   | 7.8   |
| NOV   |      |   |  |   |   |   |   |   |   |   |
| 08... | 0910 | 81341   | 683  | <2.0  | 17  | 10                                      | 6.6   | 69  | 7.2   | 7.6   |
| 15... | 0850 | 81213   | 1170   | --  | --  | --                                      | 8.3   | 76  | 7.1   | --  |
| 29... | 0900 | 81213   | 1400   | --  | --  | --                                      | 9.4   | 83  | 7.2   | --  |
| DEC   |      |   |  |   |   |   |   |   |   |   |
| 06... | 0810 | 81341   | 1250   | <2.0  | 19  | 9.0                                     | 11.3  | 92  | 7.7   | 7.6   |
| 06... | 0811 | 81213   | 1250   | --  | --  | --                                      | 11.3  | 92  | 7.7   | --  |

**MOBILE RIVER BASIN  
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**02388520 OOSTANAULA RIVER AT ROME, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|--------------|---|--|---|---|--|---|---|---|--|---|
| JAN<br>20... | 180   | 177  | 7.0   | 7.9   | 67   | .04   | .8  | .290  | 3.0  | 50  |
| FEB<br>02... | --  | 132  | - .5  | 4.0   | --   | --  | --  | --  | --   | 20  |
| 09...        | --  | 158  | 4.0   | 6.3   | --   | --  | --  | --  | --   | E40   |
| 16...        | 179   | 178  | 11.0  | 10.1  | 55   | .15   | .7  | .260  | 6.1  | 2300  |
| MAR<br>08... | 166   | 167  | 14.0  | 13.2  | 63   | .08   | .5  | .140  | 3.1  | --  |
| APR<br>05... | 75  | 76   | 3.9   | 14.5  | 24   | .06   | .3  | .180  | 8.3  | --  |
| MAY<br>10... | --  | 144  | 20.5  | 22.4  | --   | --  | --  | --  | --   | <20   |
| 17...        | --  | 116  | 19.2  | 20.2  | --   | --  | --  | --  | --   | 130   |
| 24...        | 159   | 163  | 25.4  | 21.7  | 55   | .05   | .6  | .160  | 5.1  | 1100  |
| 24...        | --  | 163  | 25.4  | 21.7  | --   | --  | --  | --  | --   | --  |
| JUN<br>07... | 174   | 173  | 14.6  | 21.3  | 64   | <.03  | .6  | .250  | 4.0  | 2200  |
| JUL<br>06... | 131   | 130  | 27.2  | 26.7  | 50   | <.03  | .3  | .110  | 4.1  | --  |
| AUG<br>09... | 140   | 137  | 26.5  | 28.4  | 46   | .77   | .2  | .140  | 3.0  | 50  |
| 16...        | --  | 141  | 21.5  | 26.1  | --   | --  | --  | --  | --   | 20  |
| SEP<br>06... | 156   | 166  | 18.4  | 25.6  | 52   | .10   | .3  | .090  | 2.4  | 220   |
| 07...        | --  | 160  | 19.4  | 23.5  | --   | --  | --  | --  | --   | 50  |
| OCT<br>04... | 140   | 147  | 18.4  | 20.4  | 48   | <.03  | .3  | .110  | 4.6  | --  |
| NOV<br>08... | 158   | 167  | 18.3  | 16.8  | 54   | .04   | .4  | .130  | 3.8  | 270   |
| 15...        | --  | 147  | 6.5   | 10.9  | --   | --  | --  | --  | --   | 220   |
| 29...        | --  | 182  | 7.7   | 9.0   | --   | --  | --  | --  | --   | 170   |
| DEC<br>06... | 204   | 208  | 1.1   | 6.1   | --   | <.03  | .6  | .230  | 5.2  | --  |
| 06...        | --  | 208  | 1.1   | 6.1   | --   | --  | --  | --  | --   | --  |

**MOBILE RIVER BASIN  
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**02388520 OOSTANAULA RIVER AT ROME, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(CODE<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|--|---|---|---|--|--|---|---|--|--|
| MAY<br>24... | 0841 | 81213  | 1620  | 6.3   | 73  | 7.7  | 163  | 25.4  | 21.7  | 22   | 5.3  |
| DEC<br>06... | 0811 | 81213  | 1250  | 11.3  | 92  | 7.7  | 208  | 1.1   | 6.1   | 22   | 4.7  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAY<br>24... | <1.0  | 2.5  | <.5  | <1.0  | <1.0   | 2.1  | <.1  | 2.4  | <2.0  | <2.0  | 12   |
| DEC<br>06... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 15   |



**MOBILE RIVER BASIN  
2000 Calendar Year**

**02392000 ETOWAH RIVER AT CANTON, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 34°14'23", long 84°29'47", Cherokee County, Hydrologic Unit 03150104, at the bridge on Georgia Highways 5 Spur and 140, 0.8 mile upstream from Canton Creek, 1.8 miles downstream from Hickory Log Creek, and, at Canton.

**DRAINAGE AREA.**--613 mi<sup>2</sup>.

**PERIOD OF RECORD.**--March 1968 to February 1994, January 1996 to December 1996, January 2000 to December 2000.

**PERIOD OF DAILY WATER-QUALITY RECORD.**—

**WATER TEMPERATURES:** June 1971 to September 1976.

**REMARKS.**--The streamflow gaging station at this site is located on the left bank 100 feet downstream from the Georgia Highways 5 (Spur) and 140 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.

**EXTREMES FOR THE PERIOD OF DAILY RECORD.**—

**WATER TEMPERATURES:** Maximum, 26.0°C July 24, 1972; minimum recorded, 2.5°C December 26, 1975.

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02392000 ETOWAH RIVER AT CANTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>ARDS<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>ARDS<br>UNITS)<br>(00403) |
|-------|------|---|---|---|---|---|---|---|--|--|
| JAN   |      |   |   |   |   |   |   |   |  |  |
| 19... | 1330 | 81213   | 890   | .9  | 13  | 12                                      | 11.7  | 98  | 7.3  | 7.4  |
| FEB   |      |   |   |   |   |   |   |   |  |  |
| 01... | 1130 | 81213   | 912   | --  | --  | --                                      | 12.4  | 93  | 7.4  | --   |
| 10... | 1130 | 81213   | 711   | --  | --  | --                                      | 12.3  | 100   | 7.2  | --   |
| 17... | 0850 | 81213   | 907   | 1.3   | 14  | 16                                      | 9.8   | 86  | 7.1  | 7.4  |
| MAR   |      |   |   |   |   |   |   |   |  |  |
| 30... | 0915 | 81213   | 827   | .8  | 8   | 7.9                                     | 9.9   | 93  | 6.4  | 7.5  |
| APR   |      |   |   |   |   |   |   |   |  |  |
| 13... | 1000 | 81213   | 1170  | .8  | 15  | 12                                      | 8.6   | 86  | 7.0  | 7.4  |
| MAY   |      |   |   |   |   |   |   |   |  |  |
| 18... | 0945 | 81213   | 608   | .8  | 7   | 5.0                                     | 8.9   | 98  | 7.2  | 7.1  |
| 24... | 0915 | 81213   | 696   | --  | --  | --                                      | 7.3   | 84  | 6.9  | --   |
| JUN   |      |   |   |   |   |   |   |   |  |  |
| 07... | 1230 | 81213   | 505   | --  | --  | --                                      | 8.2   | 93  | 7.2  | --   |
| 15... | 0815 | 81213   | 364   | 1.4   | <1  | 3.9                                     | 6.8   | 84  | 6.3  | 7.3  |
| JUL   |      |   |   |   |   |   |   |   |  |  |
| 12... | 0830 | 81213   | 253   | .6  | 8   | 6.4                                     | 5.8   | 74  | 6.9  | 7.4  |
| AUG   |      |   |   |   |   |   |   |   |  |  |
| 17... | 0740 | 81213   | 171   | .8  | 8   | 9.4                                     | 6.6   | 82  | 6.9  | 7.4  |
| 24... | 0900 | 81213   | 179   | --  | --  | --                                      | 7.0   | 84  | 6.8  | --   |
| 31... | 0800 | 81213   | 163   | --  | --  | --                                      | 6.6   | 83  | 7.2  | --   |
| SEP   |      |   |   |   |   |   |   |   |  |  |
| 14... | 0915 | 81213   | 179   | 1.0   | 7   | 7.6                                     | 6.4   | 78  | 6.9  | 7.4  |
| OCT   |      |   |   |   |   |   |   |   |  |  |
| 19... | 0815 | 81213   | 217   | .8  | 4   | 3.9                                     | 8.4   | 84  | 6.8  | 7.4  |
| NOV   |      |   |   |   |   |   |   |   |  |  |
| 08... | 0930 | 81213   | 305   | .7  | 6   | 4.9                                     | 8.7   | 89  | 6.9  | 7.4  |
| 15... | 1045 | 81213   | 361   | --  | --  | --                                      | 10.2  | 90  | 6.9  | --   |
| 28... | 1500 | 81213   | 541   | --  | --  | --                                      | 10.5  | 91  | 6.8  | --   |
| 29... | 1510 | 81213   | 474   | --  | --  | --                                      | 11.0  | 94  | 6.8  | --   |
| DEC   |      |   |   |   |   |   |   |   |  |  |
| 13... | 1015 | 81213   | 319   | .4  | 4   | 3.6                                     | 11.4  | 93  | 6.9  | 7.4  |

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02392000 ETOWAH RIVER AT CANTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|--|---|---|---|--|---|
| JAN   |   |  |   |   |  |   |   |   |  |   |
| 19... | 50  | 43   | 8.0   | 6.8   | 20   | .05   | .4  | .040  | 2.8  | 460   |
| FEB   |   |  |   |   |  |   |   |   |  |   |
| 01... | --  | 39   | 5.0   | 2.6   | --   | --  | --  | --  | --   | 80  |
| 10... | --  | 41   | 15.0  | 5.5   | --   | --  | --  | --  | --   | E20   |
| 17... | 42  | 38   | 3.5   | 9.2   | 18   | .06   | .3  | .020  | 2.3  | 60  |
| MAR   |   |  |   |   |  |   |   |   |  |   |
| 30... | 42  | 36   | 12.5  | 11.5  | 18   | .05   | .2  | .030  | 1.0  | --  |
| APR   |   |  |   |   |  |   |   |   |  |   |
| 13... | 41  | 36   | 13.0  | 14.9  | 17   | .11   | .2  | .020  | .90  | --  |
| MAY   |   |  |   |   |  |   |   |   |  |   |
| 18... | 40  | 40   | 27.0  | 19.3  | 16   | .04   | .2  | .020  | .90  | 20  |
| 24... | --  | 37   | 25.5  | 20.8  | --   | --  | --  | --  | --   | 70  |
| JUN   |   |  |   |   |  |   |   |   |  |   |
| 07... | --  | 38   | 24.5  | 20.5  | --   | --  | --  | --  | --   | 50  |
| 15... | 40  | 35   | 22.5  | 25.0  | 19   | .05   | .2  | .020  | 1.1  | 20  |
| JUL   |   |  |   |   |  |   |   |   |  |   |
| 12... | 42  | 40   | 24.0  | 26.5  | 19   | .04   | .1  | .020  | 1.8  | --  |
| AUG   |   |  |   |   |  |   |   |   |  |   |
| 17... | 46  | 44   | 22.0  | 25.4  | 19   | .05   | .2  | .020  | 1.1  | 80  |
| 24... | --  | 45   | 25.0  | 23.8  | --   | --  | --  | --  | --   | 330   |
| 31... | --  | 47   | 22.0  | 25.0  | --   | --  | --  | --  | --   | 70  |
| SEP   |   |  |   |   |  |   |   |   |  |   |
| 14... | 48  | 46   | 24.5  | 23.5  | 20   | .05   | .2  | .030  | 1.1  | 50  |
| OCT   |   |  |   |   |  |   |   |   |  |   |
| 19... | 51  | 48   | 9.0   | 14.7  | 22   | <.01  | .1  | <.020   | 2.0  | --  |
| NOV   |   |  |   |   |  |   |   |   |  |   |
| 08... | 51  | 45   | 18.0  | 14.9  | 21   | .28   | .1  | <.020   | 2.2  | 230   |
| 15... | --  | 43   | 8.5   | 9.0   | --   | --  | --  | --  | --   | 80  |
| 28... | --  | 39   | 16.5  | 7.9   | --   | --  | --  | --  | --   | 80  |
| 29... | --  | 41   | 10.5  | 7.6   | --   | --  | --  | --  | --   | 110   |
| DEC   |   |  |   |   |  |   |   |   |  |   |
| 13... | 51  | 44   | 2.5   | 6.0   | 20   | .06   | .3  | <.020   | 1.1  | --  |

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02392000 ETOWAH RIVER AT CANTON, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE      | TIME | AGENCY ANA-LYZING SAMPLE (CODE NUMBER) | DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061) | OXYGEN, DIS-SOLVED (MG/L) (00300) | OXYGEN, (PER-CENT SATUR-ATION) (00301) | PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400) | SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095) | TEMPER-ATURE AIR (DEG C) (00020) | TEMPER-ATURE WATER (DEG C) (00010) | CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916) | MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927) |
|-----------|------|--|---|-----------------------------------|--|--|---|----------------------------------|------------------------------------|---|---|
| MAR 30... | 0915 | 81213                                  | 827   | 9.9                               | 93                                     | 6.4  | 36                                      | 12.5                             | 11.5                               | 3.9   | 1.1   |
| AUG 17... | 0740 | 81213                                  | 171   | 6.6                               | 82                                     | 6.9  | 44                                      | 22.0                             | 25.4                               | 4.3   | 1.3   |

| DATE      | ANTI-MONY, TOTAL (UG/L AS SB) (01097) | ARSENIC TOTAL (UG/L AS AS) (01002) | CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067) | SELE-NIUM, TOTAL (UG/L AS SE) (01147) | THAL-IUM, TOTAL (UG/L AS TL) (01059) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092) |
|-----------|---------------------------------------|------------------------------------|--|--|---|---|---|---|---------------------------------------|--------------------------------------|---|
| MAR 30... | <1.0                                  | <2.0                               | <.5  | <1.0   | <1.0  | <1.0  | <.1   | <1.0  | <2.0                                  | <2.0                                 | 2.2   |
| AUG 17... | <1.0                                  | <4.0                               | <.5  | <1.0   | <2.0  | <2.0  | <.1   | <1.0  | <4.0                                  | <2.0                                 | 6.7   |

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02392360 SHOAL CREEK AT GEORGIA HIGHWAY 108, NEAR WALESKA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 34°15'48", long 84°35'44", Cherokee County, Hydrologic Unit 03150104, at bridge on Georgia Highway 108, 0.3 mile downstream from Gorman Branch/Rocky Bottom Branch, and 5.3 miles southwest of Waleska.

**DRAINAGE AREA.**--56.5 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.**--January 2000 to December 2000.

**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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>CENT<br>SATUR-<br>ATION<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>ARD<br>(STAND-<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>ARD<br>(STAND-<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|--|---|--|--|
| JAN   |      |   |   |   |  |   |  |   |  |  |
| 19... | 1545 | 81213   | 65  | .8  | 4  | 5.2                                     | 11.7   | 100   | 7.1  | 7.2  |
| FEB   |      |   |   |   |  |   |  |   |  |  |
| 01... | 1215 | 81213   | 58  | --  | --   | --                                      | 12.4   | 93  | 7.3  | --   |
| 10... | 1220 | 81213   | 42  | --  | --   | --                                      | 12.0   | 97  | 6.5  | --   |
| 17... | 1015 | 81213   | 67  | 3.5   | <1   | 3.3                                     | 11.1   | 96  | 6.8  | 7.3  |
| MAR   |      |   |   |   |  |   |  |   |  |  |
| 30... | 1030 | 81213   | 49  | .8  | 2  | 3.3                                     | 10.7   | 100   | 7.4  | 7.4  |
| APR   |      |   |   |   |  |   |  |   |  |  |
| 13... | 1120 | 81213   | 78  | .8  | 3  | 4.4                                     | 8.9  | 89  | 6.9  | 7.2  |
| MAY   |      |   |   |   |  |   |  |   |  |  |
| 18... | 1100 | 81213   | 32  | .7  | 3  | 2.3                                     | 8.8  | 96  | 7.2  | 7.2  |
| 24... | 1000 | 81213   | 42  | --  | --   | --                                      | 7.6  | 85  | 6.9  | --   |
| JUN   |      |   |   |   |  |   |  |   |  |  |
| 07... | 1150 | 81213   | 26  | --  | --   | --                                      | 8.3  | 89  | 7.2  | --   |
| 15... | 0940 | 81213   | 16  | 1.6   | 6  | 4.3                                     | 7.2  | 85  | 6.9  | 7.6  |
| JUL   |      |   |   |   |  |   |  |   |  |  |
| 12... | 0955 | 81213   | 20  | .8  | 6  | 5.0                                     | 7.3  | 88  | 7.0  | 7.4  |
| AUG   |      |   |   |   |  |   |  |   |  |  |
| 17... | 0845 | 81213   | 10  | .9  | 6  | 5.2                                     | 6.1  | 73  | 7.1  | 7.5  |
| 24... | 0950 | 81213   | 11  | --  | --   | --                                      | 7.0  | 81  | 7.0  | --   |
| 31... | 0845 | 81213   | 17  | --  | --   | --                                      | 6.7  | 79  | 7.2  | --   |
| SEP   |      |   |   |   |  |   |  |   |  |  |
| 14... | 1030 | 81213   | 16  | .7  | 5  | 4.9                                     | 6.6  | 77  | 7.0  | 7.5  |
| OCT   |      |   |   |   |  |   |  |   |  |  |
| 19... | 0945 | 81213   | 14  | .9  | 2  | 2.5                                     | 8.0  | 78  | 6.9  | 7.5  |
| NOV   |      |   |   |   |  |   |  |   |  |  |
| 08... | 1045 | 81213   | 45  | 1.2   | 3  | 3.6                                     | 8.1  | 83  | 7.0  | 7.2  |
| 15... | 1130 | 81213   | 32  | --  | --   | --                                      | 10.3   | 90  | 7.1  | --   |
| 28... | 1530 | 81213   | 44  | --  | --   | --                                      | 10.8   | 94  | 7.1  | --   |
| 29... | 1535 | 81213   | 37  | --  | --   | --                                      | 10.9   | 96  | 7.1  | --   |
| DEC   |      |   |   |   |  |   |  |   |  |  |
| 13... | 1130 | 81213   | 26  | .6  | 4  | 2.2                                     | 11.9   | 94  | 7.0  | 7.5  |

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02392360 SHOAL CREEK AT GEORGIA HIGHWAY 108, NEAR WALESKA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|---|---|---|---|---|---|---|--|---|
| JAN   |   |   |   |   |   |   |   |   |  |   |
| 19... | 43  | 38  | 8.0   | 7.5   | 17  | .03   | .2  | .020  | 3.3  | 40  |
| FEB   |   |   |   |   |   |   |   |   |  |   |
| 01... | --  | 36  | 6.0   | 2.6   | --  | --  | --  | --  | --   | 50  |
| 10... | --  | 40  | 17.0  | 5.3   | --  | --  | --  | --  | --   | E20   |
| 17... | 41  | 37  | 14.5  | 8.3   | 17  | .04   | .2  | <.020   | 2.1  | 20  |
| MAR   |   |   |   |   |   |   |   |   |  |   |
| 30... | 41  | 34  | 16.0  | 11.0  | 17  | .04   | .2  | <.020   | 1.4  | --  |
| APR   |   |   |   |   |   |   |   |   |  |   |
| 13... | 41  | 36  | 11.5  | 14.5  | 15  | .05   | .2  | <.020   | 1.6  | --  |
| MAY   |   |   |   |   |   |   |   |   |  |   |
| 18... | 46  | 40  | 27.5  | 18.7  | 18  | .05   | .2  | .020  | 1.1  | 40  |
| 24... | --  | 39  | 25.5  | 19.5  | --  | --  | --  | --  | --   | 130   |
| JUN   |   |   |   |   |   |   |   |   |  |   |
| 07... | --  | 45  | 21.5  | 17.8  | --  | --  | --  | --  | --   | 20  |
| 15... | 53  | 47  | 27.5  | 22.5  | 23  | .06   | .3  | .030  | 1.5  | 20  |
| JUL   |   |   |   |   |   |   |   |   |  |   |
| 12... | 58  | 56  | 27.0  | 23.3  | 25  | .05   | .2  | .020  | 2.4  | --  |
| AUG   |   |   |   |   |   |   |   |   |  |   |
| 17... | 68  | 67  | 27.2  | 22.8  | 30  | .06   | .2  | <.020   | 1.1  | 130   |
| 24... | --  | 64  | 26.5  | 21.5  | --  | --  | --  | --  | --   | 170   |
| 31... | --  | 59  | 22.0  | 22.3  | --  | --  | --  | --  | --   | 170   |
| SEP   |   |   |   |   |   |   |   |   |  |   |
| 14... | 59  | 56  | 28.0  | 21.4  | 25  | .06   | .1  | .030  | 1.6  | 80  |
| OCT   |   |   |   |   |   |   |   |   |  |   |
| 19... | 63  | 59  | 17.5  | 13.4  | 27  | .03   | .03   | <.020   | 2.3  | --  |
| NOV   |   |   |   |   |   |   |   |   |  |   |
| 08... | 60  | 52  | 18.5  | 15.1  | 24  | .02   | <.020   | .030  | 2.7  | 330   |
| 15... | --  | 43  | 10.0  | 8.4   | --  | --  | --  | --  | --   | 110   |
| 28... | --  | 41  | 15.0  | 8.0   | --  | --  | --  | --  | --   | 50  |
| 29... | --  | 42  | 10.5  | 8.4   | --  | --  | --  | --  | --   | 80  |
| DEC   |   |   |   |   |   |   |   |   |  |   |
| 13... | 52  | 45  | 3.0   | 4.8   | 20  | .04   | .2  | <.020   | 1.2  | --  |

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02392360 SHOAL CREEK AT GEORGIA HIGHWAY 108, NEAR WALESKA, GA—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE | TIME  | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|------|-------|---|---|---|---|--|--|---|---|--|--|
| MAR  | 30... | 81213   | 49  | 10.7  | 100   | 7.4  | 34   | 16.0  | 11.0  | 3.5  | 1.1  |
| AUG  | 17... | 81213   | 10  | 6.1   | 73  | 7.1  | 67   | 27.2  | 22.8  | 7.1  | 2.3  |

| DATE | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |      |
|------|---|--|--|---|--|--|--|--|---|---|--|------|
| MAR  | 30...   | <1.0   | <2.0   | <.5   | <1.0   | <1.0   | <1.0   | <.1  | <1.0  | 2.8   | <2.0   | <1.0 |
| AUG  | 17...   | <1.0   | <4.0   | <.5   | <1.0   | <2.0   | <2.0   | <.1  | <1.0  | <4.0  | <2.0   | <2.0 |

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02392780 LITTLE RIVER NEAR WOODSTOCK, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 34°07'20", long 84°30'16", Cherokee County, Hydrologic Unit 03150104, at bridge on Georgia Highway 5, 0.1 mile downstream from Rubes Creek, and 1.1 miles northeast of Woodstock.

**DRAINAGE AREA.--**139 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**January 1996 to December 1996; January 2000 to December 2000.

**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 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARDS)<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARDS)<br>UNITS)<br>(00403) |
|-------|------|---|---|---|--|---|--|---|--|--|
| JAN   |      |   |   |   |  |   |  |   |  |  |
| 19... | 1115 | 81213   | 96  | 1.1   | 13   | 15                                      | 11.1   | 92  | 7.2  | 7.5  |
| FEB   |      |   |   |   |  |   |  |   |  |  |
| 01... | 1030 | 81213   | 85  | --  | --   | --                                      | 12.7   | 93  | 7.1  | --   |
| 10... | 1310 | 81213   | 77  | --  | --   | --                                      | 11.2   | 95  | 7.2  | --   |
| 17... | 1200 | 81213   | 123   | 1.3   | 14   | 16                                      | 10.6   | 95  | 7.2  | 7.7  |
| MAR   |      |   |   |   |  |   |  |   |  |  |
| 30... | 1200 | 81213   | 74  | .8  | 8  | 9.6                                     | 9.9  | 96  | 6.9  | 7.6  |
| APR   |      |   |   |   |  |   |  |   |  |  |
| 13... | 1300 | 81213   | 81  | 1.5   | 28   | 28                                      | 8.6  | 86  | 7.1  | 7.4  |
| MAY   |      |   |   |   |  |   |  |   |  |  |
| 18... | 1215 | 81213   | 31  | .8  | <1   | 5.1                                     | 8.9  | 102   | 7.2  | 7.2  |
| 24... | 1030 | 81213   | 46  | --  | --   | --                                      | 7.2  | 83  | 7.1  | --   |
| JUN   |      |   |   |   |  |   |  |   |  |  |
| 07... | 1100 | 81213   | 31  | --  | --   | --                                      | 8.1  | 86  | 7.4  | --   |
| 15... | 1145 | 81213   | 26  | 3.3   | <1   | 3.8                                     | 6.9  | 84  | 6.9  | 7.8  |
| JUL   |      |   |   |   |  |   |  |   |  |  |
| 12... | 1140 | 81213   | 31  | 1.9   | 76   | 110                                     | 5.5  | 67  | 7.0  | 7.5  |
| AUG   |      |   |   |   |  |   |  |   |  |  |
| 17... | 1030 | 81213   | 32  | 1.0   | 5  | 4.8                                     | 6.8  | 82  | 7.1  | 7.6  |
| 24... | 1100 | 81213   | 30  | --  | --   | --                                      | 7.5  | 89  | 7.3  | --   |
| 31... | 0945 | 81213   | 37  | --  | --   | --                                      | 6.7  | 80  | 7.5  | --   |
| SEP   |      |   |   |   |  |   |  |   |  |  |
| 14... | 1200 | 81213   | 38  | 1.4   | 3  | 3.4                                     | 6.7  | 80  | 7.2  | 7.8  |
| OCT   |      |   |   |   |  |   |  |   |  |  |
| 19... | 1115 | 81213   | 27  | 1.0   | 2  | 3.4                                     | 8.1  | 81  | 7.1  | 7.7  |
| NOV   |      |   |   |   |  |   |  |   |  |  |
| 08... | 1230 | 81213   | 63  | 1.2   | 7  | 8.2                                     | 7.5  | 79  | 7.1  | 7.6  |
| 15... | 1215 | 81213   | 58  | --  | --   | --                                      | 9.9  | 88  | 7.2  | --   |
| 28... | 1615 | 81213   | 81  | --  | --   | --                                      | 10.1   | 89  | 7.1  | --   |
| 29... | 1625 | 81213   | 73  | --  | --   | --                                      | 10.3   | 91  | 7.1  | --   |
| DEC   |      |   |   |   |  |   |  |   |  |  |
| 13... | 1245 | 81213   | 46  | .7  | 4  | 5.4                                     | 11.5   | 93  | 6.8  | 7.8  |



**MOBILE RIVER BASIN  
2000 Calendar Year**

**02392780 LITTLE RIVER NEAR WOODSTOCK, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | ANC<br>UNFLTRD<br>LAB<br>(MG/L<br>AS<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|---|---|---|---|---|---|--|---|
| JAN   |   |  |   |   |   |   |   |   |  |   |
| 19... | 84  | 72   | 6.0   | 6.5   | 30  | .07   | .4  | .040  | 8.9  | 130   |
| FEB   |   |  |   |   |   |   |   |   |  |   |
| 01... | --  | 72   | 4.0   | 1.9   | --  | --  | --  | --  | --   | 40  |
| 10... | --  | 82   | 17.0  | 7.1   | --  | --  | --  | --  | --   | E3500   |
| 17... | 82  | 80   | 18.0  | 10.0  | 30  | .09   | .4  | .040  | 2.1  | 20  |
| MAR   |   |  |   |   |   |   |   |   |  |   |
| 30... | 84  | 74   | 18.5  | 12.6  | 32  | .10   | .4  | .030  | 2.2  | --  |
| APR   |   |  |   |   |   |   |   |   |  |   |
| 13... | 87  | 78   | 11.0  | 14.9  | 32  | .11   | .4  | .060  | 2.0  | --  |
| MAY   |   |  |   |   |   |   |   |   |  |   |
| 18... | 94  | 97   | 29.0  | 20.9  | 38  | .09   | .5  | .040  | 1.6  | 20  |
| 24... | --  | 81   | 28.5  | 20.9  | --  | --  | --  | --  | --   | 110   |
| JUN   |   |  |   |   |   |   |   |   |  |   |
| 07... | --  | 93   | 22.5  | 17.6  | --  | --  | --  | --  | --   | 50  |
| 15... | 120   | 98   | 29.0  | 24.2  | 45  | .09   | .5  | .050  | 1.9  | <20   |
| JUL   |   |  |   |   |   |   |   |   |  |   |
| 12... | 97  | 95   | 28.5  | 24.0  | 35  | .10   | .5  | .130  | 2.8  | --  |
| AUG   |   |  |   |   |   |   |   |   |  |   |
| 17... | 117   | 112  | 28.5  | 23.4  | 46  | .20   | .4  | .030  | 1.9  | 230   |
| 24... | --  | 124  | 29.0  | 22.8  | --  | --  | --  | --  | --   | 20  |
| 31... | --  | 105  | 24.5  | 22.7  | --  | --  | --  | --  | --   | 230   |
| SEP   |   |  |   |   |   |   |   |   |  |   |
| 14... | 108   | 106  | 29.0  | 22.5  | 43  | .08   | .3  | .030  | 2.0  | 170   |
| OCT   |   |  |   |   |   |   |   |   |  |   |
| 19... | 112   | 109  | 18.0  | 14.7  | 44  | .02   | .1  | .020  | 2.6  | --  |
| NOV   |   |  |   |   |   |   |   |   |  |   |
| 08... | 98  | 85   | 19.5  | 16.4  | 39  | .06   | .2  | .040  | 2.8  | 1100  |
| 15... | --  | 82   | 10.5  | 9.3   | --  | --  | --  | --  | --   | 130   |
| 28... | --  | 79   | 14.0  | 8.7   | --  | --  | --  | --  | --   | 70  |
| 29... | --  | 77   | 10.5  | 9.0   | --  | --  | --  | --  | --   | 80  |
| DEC   |   |  |   |   |   |   |   |   |  |   |
| 13... | 97  | 84   | 1.5   | 5.3   | 37  | .10   | .4  | <.020   | 1.9  | --  |

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02392780 LITTLE RIVER NEAR WOODSTOCK, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|
| MAR<br>30... | 1200 | 81213   | 74  | 9.9   | 96  | 6.9  | 74   | 18.5  | 12.6  | 7.2  | 2.4  |
| AUG<br>17... | 1030 | 81213   | 32  | 6.8   | 82  | 7.1  | 112  | 28.5  | 23.4  | 10   | 3.1  |

| DATE         | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|---|--|--|---|--|--|--|--|---|---|--|
| MAR<br>30... | <1.0  | <2.0   | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 2.3  |
| AUG<br>17... | <1.0  | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02394980 ETOWAH RIVER NEAR EUHARLEE, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 34°11'28", long 84°55'44", Bartow County, Hydrologic Unit 03150104, at iron truss bridge on Hardin Bridge Road, 1,000 feet downstream from Ashpole Creek, and 3.0 miles north of Euharlee.

**DRAINAGE AREA.**--1,610 mi<sup>2</sup>.

**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. The flow at this station is regulated by Allatoona Reservoir (station 02393500).

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) |      |
|-------|------|---|---|---|---|---|---|--|--|---|---|---|------|
| JAN   |      |   |   |   |   |   |   |  |  |   |   |   |      |
| 19... | 1010 | 81341   | 623   | <2.0  | 7   | 6.0                                     | --  | --   | 7.2  | 7.4   | 260   | 112   | 6.0  |
| FEB   |      |   |   |   |   |   |   |  |  |   |   |   |      |
| 01... | 0715 | 81213   | 251   | --  | --  | --                                      | 11.0  | 86.9   | 7.3  | --  | --  | 127   | -5.0 |
| 08... | 0730 | 81213   | 279   | --  | --  | --                                      | 11.7  | 96.9   | 7.4  | --  | --  | 124   | 0    |
| 15... | 0710 | 81341   | 1720  | 2.4   | 192   | 150                                     | 8.7   | 77.8   | 7.3  | 7.4   | 109   | 109   | -2.0 |
| MAR   |      |   |   |   |   |   |   |  |  |   |   |   |      |
| 07... | 0725 | 81341   | 233   | <2.0  | 16  | 6.0                                     | 10.3  | 93.2   | 7.5  | 7.8   | 128   | 130   | 1.5  |
| APR   |      |   |   |   |   |   |   |  |  |   |   |   |      |
| 04... | 0635 | 81341   | 7050  | 3.1   | 288   | 180                                     | 8.4   | 86.7   | 7.0  | 7.4   | 79  | 78  | 9.6  |
| MAY   |      |   |   |   |   |   |   |  |  |   |   |   |      |
| 09... | 0600 | 81213   | 840   | --  | --  | --                                      | 8.3   | 86.3   | 7.2  | --  | --  | 97  | 11.9 |
| 16... | 0600 | 81213   | 806   | --  | --  | --                                      | 8.2   | 85.0   | 7.2  | --  | --  | 96  | 9.1  |
| 23... | 0705 | 81341   | 772   | <2.0  | 4   | 6.0                                     | 8.4   | 89.2   | 7.3  | 7.7   | 100   | 105   | 18.0 |
| 23... | 0706 | 81213   | 772   | --  | --  | --                                      | 8.4   | 89.2   | 7.3  | --  | --  | 105   | 18.0 |
| JUN   |      |   |   |   |   |   |   |  |  |   |   |   |      |
| 06... | 0600 | 81341   | 763   | <2.0  | 5   | 4.0                                     | 7.9   | 82.3   | 7.1  | 7.2   | 104   | 107   | 13.8 |
| JUL   |      |   |   |   |   |   |   |  |  |   |   |   |      |
| 05... | 0625 | 81341   | 659   | <2.0  | 4   | 2.0                                     | 7.7   | 83.3   | 7.0  | 7.1   | 92  | 88  | 18.1 |
| AUG   |      |   |   |   |   |   |   |  |  |   |   |   |      |
| 08... | 0635 | 81341   | 831   | <2.0  | 6   | 5.0                                     | 6.6   | 73.5   | 6.9  | 7.5   | 97  | 95  | 21.0 |
| 15... | 0605 | 81213   | 840   | --  | --  | --                                      | 6.7   | 73.9   | 7.0  | --  | --  | 95  | 13.5 |
| 29... | 0610 | 81213   | 876   | --  | --  | --                                      | 5.9   | 67.9   | 6.8  | --  | --  | 91  | 22.0 |
| SEP   |      |   |   |   |   |   |   |  |  |   |   |   |      |
| 05... | 0625 | 81341   | 806   | <2.0  | 16  | 9.0                                     | 5.9   | 69.8   | 7.0  | 7.3   | 92  | 99  | 18.5 |
| OCT   |      |   |   |   |   |   |   |  |  |   |   |   |      |
| 03... | 0635 | 81341   | 806   | <2.0  | 7   | 4.0                                     | 6.9   | 80.2   | 7.1  | 7.6   | 98  | 98  | 13.0 |
| NOV   |      |   |   |   |   |   |   |  |  |   |   |   |      |
| 07... | 0720 | 81341   | 1260  | <2.0  | 13  | 7.0                                     | 7.7   | 83.9   | 6.9  | 7.3   | 93  | 91  | 13.9 |
| 14... | 0710 | 81213   | 814   | --  | --  | --                                      | 8.1   | 83.3   | 7.2  | --  | --  | 98  | 5.4  |
| 28... | 0715 | 81213   | 858   | --  | --  | --                                      | 9.7   | 89.5   | 6.9  | --  | --  | 132   | -3.0 |
| DEC   |      |   |   |   |   |   |   |  |  |   |   |   |      |
| 05... | 0910 | 81341   | 893   | <2.0  | 4   | 6.0                                     | 10.2  | 91.2   | 7.3  | 7.7   | 162   | 98  | -3.6 |
| 05... | 0911 | 81213   | 893   | --  | --  | --                                      | 10.2  | 91.2   | 7.3  | --  | --  | 98  | -3.6 |

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02394980 ETOWAH RIVER NEAR EUHARLEE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | HARD-<br>NESS<br>TOTAL<br>(MG/L<br>AS<br>CACO3)<br>(00900) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|---|--|--|---|---|---|--|---|
| JAN   |   |  |  |   |   |   |  |   |
| 19... | --  | 40   | 36   | <.03  | .4  | .043  | 1.6  | 80  |
| FEB   |   |  |  |   |   |   |  |   |
| 01... | 5.0   | --   | --   | --  | --  | --  | --   | <20   |
| 08... | 7.0   | --   | --   | --  | --  | --  | --   | 20  |
| 15... | 9.8   | 42   | 34   | .03   | .4  | .280  | 4.4  | 4900  |
| MAR   |   |  |  |   |   |   |  |   |
| 07... | 10.4  | 44   | 43   | .23   | .5  | .088  | 2.8  | --  |
| APR   |   |  |  |   |   |   |  |   |
| 04... | 15.5  | 34   | 28   | .09   | .3  | .160  | 8.0  | --  |
| MAY   |   |  |  |   |   |   |  |   |
| 09... | 16.4  | --   | --   | --  | --  | --  | --   | 330   |
| 16... | 16.2  | --   | --   | --  | --  | --  | --   | 330   |
| 23... | 17.3  | 38   | 36   | .05   | .5  | .060  | 3.4  | 630   |
| 23... | 17.3  | --   | --   | --  | --  | --  | --   | --  |
| JUN   |   |  |  |   |   |   |  |   |
| 06... | 16.7  | 36   | 32   | <.03  | .6  | .040  | 2.4  | 330   |
| JUL   |   |  |  |   |   |   |  |   |
| 05... | 18.4  | 34   | 31   | .09   | .6  | .030  | 2.9  | --  |
| AUG   |   |  |  |   |   |   |  |   |
| 08... | 20.2  | 32   | 34   | .10   | .2  | .030  | 3.2  | 330   |
| 15... | 19.9  | --   | --   | --  | --  | --  | --   | 800   |
| 29... | 21.7  | --   | --   | --  | --  | --  | --   | 140   |
| SEP   |   |  |  |   |   |   |  |   |
| 05... | 22.8  | 32   | 32   | .16   | .2  | .030  | 1.7  | 1700  |
| OCT   |   |  |  |   |   |   |  |   |
| 03... | 22.0  | 30   | 34   | .07   | .3  | .030  | 4.3  | --  |
| NOV   |   |  |  |   |   |   |  |   |
| 07... | 18.4  | 34   | 29   | .13   | .3  | .020  | 3.7  | 490   |
| 14... | 16.2  | --   | --   | --  | --  | --  | --   | 170   |
| 28... | 11.2  | --   | --   | --  | --  | --  | --   | 20  |
| DEC   |   |  |  |   |   |   |  |   |
| 05... | 10.1  | 38   | --   | .04   | .4  | .030  | 3.9  | --  |
| 05... | 10.1  | --   | --   | --  | --  | --  | --   | --  |

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02394980 ETOWAH RIVER NEAR EUHARLEE, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|---|--|
| MAY<br>23... | 0706 | 81213   | 772   | 8.4   | 89.2  | 7.3  | 105  | 18.0  | 17.3  | 9.3  | 3.3  | <1.0  | <2.0   |
| DEC<br>05... | 0911 | 81213   | 893   | 10.2  | 91.2  | 7.3  | 98   | -3.6  | 10.1  | 9.4  | 2.6  | <1.0  | <4.0   |

| DATE         | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|--|---|--|--|--|--|---|---|--|
| MAY<br>23... | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | <2.0  | <2.0  | 2.3  |
| DEC<br>05... | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | <2.0   |

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02397530 COOSA RIVER NEAR COOSA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 34°11'54", long 85°26'46", Floyd County, GA-Cherokee County, AL, Hydrologic Unit 03150105, 6.5 miles southwest of Coosa, and at mile 254.8.

**DRAINAGE AREA.--**4,360 mi<sup>2</sup>, approximately.

**PERIOD OF RECORD.--**August 1974 to current year.

**PERIOD OF CONTINUOUS WATER-QUALITY RECORD.--**

SPECIFIC CONDUCTANCE: August 1976 to current year.

pH: August 1976 to current year.

WATER TEMPERATURE: August 1976 to current year.

DISSOLVED OXYGEN: August 1976 to current year.

**WATER-QUALITY INSTRUMENTATION.--**Water-quality monitor. Specific Conductance, pH, Water Temperature, and Dissolved Oxygen recorded hourly.

**REMARKS.--**Continuous water-quality data for this station are available in a separate theme of this report. 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. The flow at this station is regulated by Carters Lake (station 02381400), Carters Re-regulation Dam (station 02382400) and by Allatoona Reservoir (station 02393500).

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02397530 COOSA RIVER NEAR COOSA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDED<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>SATUR-<br>ATION)<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) |
|-------|------|---|---|--|---|--|---|--|--|---|
| JAN   |      |   |   |  |   |  |   |  |  |   |
| 20... | 1300 | 81341   | <2.0  | 16   | 14                                      | 10.2   | 94  | 7.8  | 7.5  | 190   |
| FEB   |      |   |   |  |   |  |   |  |  |   |
| 02... | 0830 | 81213   | --  | --   | --                                      | --   | --  | 7.3  | --   | --  |
| 09... | 0825 | 81213   | --  | --   | --                                      | 8.7  | 78  | 7.6  | --   | --  |
| 16... | 0835 | 81341   | <2.0  | 29   | 28                                      | 8.7  | 81  | 7.4  | 7.6  | 190   |
| MAR   |      |   |   |  |   |  |   |  |  |   |
| 08... | 0805 | 81341   | <2.0  | 11   | 9.0                                     | 7.3  | 75  | 7.4  | 7.9  | 187   |
| APR   |      |   |   |  |   |  |   |  |  |   |
| 19... | 0650 | 81341   | <2.0  | 12   | 6.0                                     | 6.3  | 67  | 7.4  | 7.1  | 150   |
| MAY   |      |   |   |  |   |  |   |  |  |   |
| 10... | 0700 | 81213   | --  | --   | --                                      | 5.6  | 69  | 7.5  | --   | --  |
| 17... | 0710 | 81213   | --  | --   | --                                      | 5.7  | 69  | 7.5  | --   | --  |
| 24... | 0735 | 81341   | <2.0  | 15   | 9.0                                     | 6.5  | 83  | 7.8  | 7.8  | 171   |
| 24... | 0736 | 81213   | --  | --   | --                                      | 6.5  | 83  | 7.8  | --   | --  |
| JUN   |      |   |   |  |   |  |   |  |  |   |
| 07... | 0705 | 81341   | <2.0  | 18   | 8.0                                     | 6.0  | 72  | 7.4  | 7.7  | 176   |
| JUL   |      |   |   |  |   |  |   |  |  |   |
| 06... | 0720 | 81341   | <2.0  | 7  | 10                                      | 5.9  | 78  | 7.5  | 7.6  | 187   |
| AUG   |      |   |   |  |   |  |   |  |  |   |
| 09... | 0730 | 81341   | <2.0  | 29   | 6.0                                     | 6.1  | 83  | 7.7  | 8.3  | 217   |
| 16... | 0650 | 81213   | --  | --   | --                                      | 5.2  | 68  | 7.5  | --   | --  |
| SEP   |      |   |   |  |   |  |   |  |  |   |
| 06... | 0705 | 81341   | <2.0  | 17   | 28                                      | 4.8  | 59  | 7.1  | 7.4  | 131   |
| 07... | 0910 | 81213   | --  | --   | --                                      | 5.4  | 69  | 7.4  | --   | --  |
| OCT   |      |   |   |  |   |  |   |  |  |   |
| 04... | 0720 | 81341   | <2.0  | 9  | 9.0                                     | 6.7  | 78  | 7.4  | 7.7  | 170   |
| NOV   |      |   |   |  |   |  |   |  |  |   |
| 08... | 0820 | 81341   | <2.0  | 7  | 6.0                                     | 6.4  | 72  | 7.2  | 7.8  | 215   |
| 15... | 0805 | 81213   | --  | --   | --                                      | 6.2  | 60  | 7.0  | --   | --  |
| 29... | 0755 | 81213   | --  | --   | --                                      | 6.6  | 61  | 7.2  | --   | --  |
| DEC   |      |   |   |  |   |  |   |  |  |   |
| 06... | 0930 | 81341   | <2.0  | 7  | 7.0                                     | 10.1   | 88  | 7.9  | 7.7  | 183   |
| 06... | 0931 | 81213   | --  | --   | --                                      | 10.1   | 88  | 7.9  | --   | --  |

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02397530 COOSA RIVER NEAR COOSA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | HARD-<br>NESS<br>TOTAL<br>(MG/L<br>AS<br>CACO3)<br>(00900) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|---|---|--|---|---|---|---|--|---|
| JAN   |  |   |   |  |   |   |   |   |  |   |
| 20... | 201  | 8.5   | 11.0  | 70   | 60  | .05   | .5  | .120  | 2.7  | 20  |
| FEB   |  |   |   |  |   |   |   |   |  |   |
| 02... | 141  | -4.0  | 6.0   | --   | --  | --  | --  | --  | --   | 50  |
| 09... | 180  | 2.0   | 10.2  | --   | --  | --  | --  | --  | --   | E90   |
| 16... | 188  | 7.0   | 12.0  | 68   | 61  | .09   | .5  | .130  | 4.7  | 1300  |
| MAR   |  |   |   |  |   |   |   |   |  |   |
| 08... | 190  | 8.5   | 16.4  | 64   | 61  | <.03  | .4  | .095  | 5.4  | --  |
| APR   |  |   |   |  |   |   |   |   |  |   |
| 19... | 152  | 7.4   | 17.8  | 62   | 52  | .06   | .5  | .070  | 4.6  | --  |
| MAY   |  |   |   |  |   |   |   |   |  |   |
| 10... | 180  | 21.5  | 24.5  | --   | --  | --  | --  | --  | --   | <20   |
| 17... | 162  | 15.5  | 23.8  | --   | --  | --  | --  | --  | --   | <20   |
| 24... | 194  | 24.0  | 26.4  | 60   | 57  | .09   | .3  | .120  | 4.5  | 20  |
| 24... | 194  | 24.0  | 26.4  | --   | --  | --  | --  | --  | --   | --  |
| JUN   |  |   |   |  |   |   |   |   |  |   |
| 07... | 175  | 10.4  | 23.9  | 50   | 56  | .07   | .5  | .110  | 3.3  | <20   |
| JUL   |  |   |   |  |   |   |   |   |  |   |
| 06... | 184  | 24.4  | 29.3  | 60   | 60  | <.03  | .5  | .140  | 6.6  | --  |
| AUG   |  |   |   |  |   |   |   |   |  |   |
| 09... | 214  | 22.0  | 31.1  | 62   | 71  | .04   | .3  | .110  | <1.0   | <20   |
| 16... | 190  | 17.5  | 29.4  | --   | --  | --  | --  | --  | --   | 80  |
| SEP   |  |   |   |  |   |   |   |   |  |   |
| 06... | 140  | 19.5  | 25.9  | 32   | 44  | .10   | .3  | .090  | 4.3  | 55  |
| 07... | 151  | 20.1  | 27.2  | --   | --  | --  | --  | --  | --   | 20  |
| OCT   |  |   |   |  |   |   |   |   |  |   |
| 04... | 168  | 14.7  | 22.5  | 46   | 51  | <.03  | .4  | .070  | 6.0  | --  |
| NOV   |  |   |   |  |   |   |   |   |  |   |
| 08... | 216  | 18.5  | 20.7  | 76   | 63  | .09   | .3  | .110  | 4.5  | 35  |
| 15... | 137  | 2.0   | 13.8  | --   | --  | --  | --  | --  | --   | 110   |
| 29... | 210  | 7.5   | 11.1  | --   | --  | --  | --  | --  | --   | 170   |
| DEC   |  |   |   |  |   |   |   |   |  |   |
| 06... | 181  | .2  | 9.3   | 24   | 57  | .01   | .5  | .130  | 4.7  | --  |
| 06... | 181  | .2  | 9.3   | --   | --  | --  | --  | --  | --   | --  |



**MOBILE RIVER BASIN  
2000 Calendar Year**

**02397530 COOSA RIVER NEAR COOSA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) |
|--------------|------|---|---|---|--|--|---|---|--|--|---|
| MAY<br>24... | 0736 | 81213   | 6.5   | 83  | 7.8  | 194  | 24.0  | 26.4  | 15   | 4.7  | <1.0  |
| DEC<br>06... | 0931 | 81213   | 10.1  | 88  | 7.9  | 181  | .2  | 9.3   | 18   | 4.5  | <1.0  |

| DATE         | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|--|--|---|--|--|--|--|---|---|--|
| MAY<br>24... | <2.0   | <.5  | <1.0  | <1.0   | 1.2  | <.1  | <1.0   | <2.0  | <2.0  | 9.1  |
| DEC<br>06... | <4.0   | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 7.1  |

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02411930 TALLAPOOSA RIVER BELOW TALLAPOOSA, GA**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.--**Lat 33°44'27", long 85°20'11", Haralson County, Hydrologic Unit 03150108, at the bridge on US Highway 78, 0.4 mile upstream from Walker Creek, and 2.7 miles west of Tallapoosa.

**DRAINAGE AREA.--**272 mi<sup>2</sup>.

**PERIOD OF RECORD.--**July 1974 to February 1994, January 1996 to December 1996, January 2000 to December 2000.

**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.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANALYZING<br>SAMPLE<br>NUMBER<br>(00028) | DIS-<br>CHARGE,<br>INST-<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) |
|-------|------|--|---|---|---|--|---|--|--|---|---|---|---|
| JAN   |      |  |   |   |   |  |   |  |  |   |   |   |   |
| 20... | 1515 | 81341  | 142   | <2.0  | 7.0                                     | 10.8   | 94.7  | 7.5  | 6.8  | 47  | 42  | 6.0   | 8.4   |
| FEB   |      |  |   |   |   |  |   |  |  |   |   |   |   |
| 02... | 1040 | 81213  | 180   | --  | --                                      | 13.3   | 100   | 7.1  | --   | --  | 44  | 2.0   | 3.0   |
| 09... | 1050 | 81213  | 123   | --  | --                                      | 12.0   | 95.3  | 7.1  | --   | --  | 45  | 8.0   | 4.9   |
| 16... | 1115 | 81341  | 485   | 2.1   | 44                                      | 10.2   | 91.2  | 7.5  | 6.7  | 42  | 40  | 13.0  | 9.8   |
| MAR   |      |  |   |   |   |  |   |  |  |   |   |   |   |
| 08... | 1010 | 81341  | 198   | <2.0  | 11                                      | 10.6   | 99.0  | 6.9  | 7.3  | 44  | 44  | 15.5  | 12.3  |
| APR   |      |  |   |   |   |  |   |  |  |   |   |   |   |
| 05... | 0940 | 81341  | 1100  | <2.0  | 40                                      | 8.8  | 85.3  | 6.6  | 6.7  | 36  | 35  | 7.0   | 12.9  |
| MAY   |      |  |   |   |   |  |   |  |  |   |   |   |   |
| 10... | 0930 | 81213  | 107   | --  | --                                      | 7.4  | 84.6  | 6.9  | --   | --  | 44  | 21.5  | 20.5  |
| 17... | 0915 | 81213  | 77  | --  | --                                      | 8.0  | 88.3  | 6.9  | --   | --  | 46  | 21.0  | 19.2  |
| 24... | 1020 | 81341  | 125   | <2.0  | 8.0                                     | 7.5  | 87.3  | 7.3  | 7.4  | 44  | 45  | 27.5  | 21.5  |
| 24... | 1021 | 81213  | 125   | --  | --                                      | 7.5  | 87.3  | 7.3  | --   | --  | 45  | 27.5  | 21.5  |
| JUN   |      |  |   |   |   |  |   |  |  |   |   |   |   |
| 07... | 0910 | 81341  | 73  | <2.0  | 7.0                                     | 7.3  | 80.3  | 6.9  | 7.1  | 45  | 46  | 16.4  | 19.1  |
| JUL   |      |  |   |   |   |  |   |  |  |   |   |   |   |
| 06... | 0900 | 81341  | 21  | <2.0  | 7.0                                     | 5.8  | 71.8  | 6.8  | 6.9  | 51  | 52  | 28.5  | 24.9  |
| AUG   |      |  |   |   |   |  |   |  |  |   |   |   |   |
| 09... | 0905 | 81341  | 12  | <2.0  | 9.0                                     | 5.1  | 63.6  | 6.8  | 7.2  | 56  | 57  | 27.0  | 25.4  |
| 16... | 0840 | 81213  | 14  | --  | --                                      | 5.9  | 70.4  | 6.8  | --   | --  | 52  | 23.5  | 23.0  |
| SEP   |      |  |   |   |   |  |   |  |  |   |   |   |   |
| 06... | 0925 | 81341  | 13  | <2.0  | 11                                      | 5.8  | 68.8  | 6.8  | 7.1  | 47  | 49  | 18.5  | 23.0  |
| 07... | 1200 | 81213  | 13  | --  | --                                      | 7.0  | 79.6  | 7.0  | --   | --  | 51  | 19.6  | 20.7  |
| OCT   |      |  |   |   |   |  |   |  |  |   |   |   |   |
| 04... | 0930 | 81341  | 9.3   | <2.0  | 8.0                                     | 7.0  | 74.1  | 6.9  | 7.3  | 60  | 60  | 17.8  | 17.4  |
| NOV   |      |  |   |   |   |  |   |  |  |   |   |   |   |
| 08... | 1020 | 81341  | 54  | <2.0  | 23                                      | 6.4  | 68.1  | 6.8  | 7.0  | 67  | 65  | 21.5  | 17.3  |
| 15... | 1000 | 81213  | 95  | --  | --                                      | 9.7  | 84.8  | 6.9  | --   | --  | 60  | 7.6   | 8.8   |
| 29... | 1005 | 81213  | 146   | --  | --                                      | 10.0   | 85.0  | 6.9  | --   | --  | 54  | 10.4  | 7.5   |
| DEC   |      |  |   |   |   |  |   |  |  |   |   |   |   |
| 06... | 1255 | 81341  | 106   | <2.0  | 4.0                                     | 12.0   | 95.1  | 7.6  | 6.7  | 55  | 50  | 5.9   | 4.6   |
| 06... | 1256 | 81213  | 106   | --  | --                                      | 12.0   | 95.1  | 7.6  | --   | --  | 50  | 5.9   | 4.6   |

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02411930 TALLAPOOSA RIVER BELOW TALLAPOOSA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>(MG/L<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|---|---|---|--|---|
| JAN   |  |   |   |   |  |   |
| 20... | 12   | .06   | .2  | .027  | 2.5  | 95  |
| FEB   |  |   |   |   |  |   |
| 02... | --   | --  | --  | --  | --   | 50  |
| 09... | --   | --  | --  | --  | --   | E80   |
| 16... | 6  | .10   | .4  | .084  | 4.9  | 1300  |
| MAR   |  |   |   |   |  |   |
| 08... | 11   | <.03  | .1  | .034  | 6.8  | --  |
| APR   |  |   |   |   |  |   |
| 05... | 8  | .03   | .2  | .037  | 4.9  | --  |
| MAY   |  |   |   |   |  |   |
| 10... | --   | --  | --  | --  | --   | 330   |
| 17... | --   | --  | --  | --  | --   | 40  |
| 24... | 15   | .14   | .2  | .040  | 2.9  | 110   |
| 24... | --   | --  | --  | --  | --   | --  |
| JUN   |  |   |   |   |  |   |
| 07... | 13   | <.03  | .2  | .040  | 2.2  | 1500  |
| JUL   |  |   |   |   |  |   |
| 06... | 15   | <.03  | .2  | .040  | 3.6  | --  |
| AUG   |  |   |   |   |  |   |
| 09... | 16   | 1.60  | .2  | .050  | 3.3  | 80  |
| 16... | --   | --  | --  | --  | --   | 110   |
| SEP   |  |   |   |   |  |   |
| 06... | 9  | .61   | .2  | .030  | 4.6  | 490   |
| 07... | --   | --  | --  | --  | --   | 170   |
| OCT   |  |   |   |   |  |   |
| 04... | 20   | <.03  | .2  | .040  | 3.6  | --  |
| NOV   |  |   |   |   |  |   |
| 08... | 20   | .12   | .4  | .160  | 5.1  | 1700  |
| 15... | --   | --  | --  | --  | --   | 490   |
| 29... | --   | --  | --  | --  | --   | 700   |
| DEC   |  |   |   |   |  |   |
| 06... | --   | <.03  | .2  | .030  | 2.7  | --  |
| 06... | --   | --  | --  | --  | --   | --  |

**MOBILE RIVER BASIN  
2000 Calendar Year**

**02411930 TALLAPOOSA RIVER BELOW TALLAPOOSA, GA--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028)  | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061)     | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00300)<br>(00301) | OXYGEN,<br>PH<br>WATER<br>SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | PH<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400)        | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020)                      | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010)       | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) |      |
|--------------|------|--|---|--|--|--|--|---|--|--|---|--|------|
| DATE         |      | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042)                   | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051)                       | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059)              | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092)           |   |  |      |
| MAY<br>24... | 1021 | 81213  | 125   | 7.5  | 87.3   | 7.3  | 45   | 27.5  | 21.5   | 2.8  | 1.2   | <1.0   | 4.6  |
| DEC<br>06... | 1256 | 81213  | 106   | 12.0   | 95   | 7.6  | 50   | 5.9   | 4.6  | 4.0  | 1.3   | <1.0   | <4.0 |
| MAY<br>24... | <.5  | <1.0   | <1.0  | <1.0   | <.1  | <1.0   | <2.0   | <2.0  | 2.6  |  |   |  |      |
| DEC<br>06... | <.5  | <1.0   | <2.0  | <2.0   | <.1  | <1.0   | <4.0   | <2.0  | <2.0   |  |   |  |      |

**TENNESSEE RIVER BASIN  
2000 Calendar Year**

**03567340 WEST CHICKAMAUGA CREEK NEAR LAKEVIEW, GA.**

**PERIODIC WATER-QUALITY RECORDS**

**LOCATION.**--Lat 34°57'26", long 85°12'20", Catoosa County, Hydrologic Unit 06020001, at bridge on Georgia Highway 146, 3.0 miles southeast of Lakeview.

**DRAINAGE AREA.**--148 mi<sup>2</sup>.

**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.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN<br>DEMAND,<br>BIO-<br>CHEM-<br>ICAL,<br>5 DAY<br>(MG/L)<br>(00310) | RESIDUE<br>TOTAL<br>AT 105<br>DEG. C,<br>SUS-<br>PENDE<br>(MG/L)<br>(00530) | TUR-<br>BID-<br>ITY<br>(NTU)<br>(00076) | OXYGEN,<br>DIS-<br>SOLVED<br>OXYGEN,<br>DIS-<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | PH<br>WATER<br>WHOLE<br>LAB<br>(STAND-<br>ARD<br>UNITS)<br>(00403) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(90095) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>LAB<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) |      |
|-------|------|---|---|---|---|---|---|---|--|---|---|---|------|
| JAN   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 19... | 1535 | 81341   | 110   | <2.0  | 4   | 5.0                                     | 10.6  | 94.6  | 7.9  | 7.9   | 282   | 287   | 10.0 |
| FEB   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 01... | 1015 | 81213   | 270   | --  | --  | --                                      | 11.5  | 93.2  | 7.8  | --  | --  | 260   | 2.0  |
| 08... | 1025 | 81213   | 111   | --  | --  | --                                      | 11.3  | 93.5  | 7.8  | --  | --  | 262   | 10.0 |
| 15... | 1010 | 81341   | 499   | 5.0   | 58  | 68                                      | 8.7   | 78.3  | 7.5  | 7.7   | 205   | 205   | 10.0 |
| MAR   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 07... | 1020 | 81341   | 115   | <2.0  | 7   | 5.0                                     | 9.4   | 88.4  | 7.6  | 7.9   | 264   | 265   | 15.5 |
| APR   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 04... | 1005 | 81341   | 1940  | 2.4   | 32  | 60                                      | 6.5   | 65.3  | 7.0  | 7.1   | 102   | 102   | 11.0 |
| MAY   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 09... | 0840 | 81213   | 82  | --  | --  | --                                      | 7.0   | 79.7  | 7.6  | --  | --  | 270   | 26.5 |
| 16... | 0830 | 81213   | 64  | --  | --  | --                                      | 6.6   | 72.0  | 7.6  | --  | --  | 289   | 19.0 |
| 23... | 1120 | 81341   | 66  | <2.0  | 9   | 6.0                                     | 6.5   | 76.2  | 7.9  | 8.1   | 299   | 304   | 27.0 |
| 23... | 1121 | 81213   | 66  | --  | --  | --                                      | 6.5   | 76.2  | 7.9  | --  | --  | 304   | 27.0 |
| JUN   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 06... | 0850 | 81341   | 67  | <2.0  | 13  | 7.0                                     | 5.4   | 61.7  | 7.6  | 8.0   | 300   | 299   | 21.0 |
| JUL   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 05... | 0940 | 81341   | 53  | <2.0  | 12  | 8.0                                     | 5.3   | 64.7  | 7.5  | 7.7   | 255   | 255   | 28.2 |
| AUG   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 08... | 0935 | 81341   | 51  | <2.0  | 6   | 4.0                                     | 5.2   | 64.2  | 7.5  | 7.9   | 302   | 305   | 28.3 |
| 15... | 0815 | 81213   | 45  | --  | --  | --                                      | 5.8   | 69.3  | 7.7  | --  | --  | 319   | 24.5 |
| 29... | 0850 | 81213   | 82  | --  | --  | --                                      | 5.3   | 63.9  | 7.5  | --  | --  | 306   | 29.7 |
| SEP   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 05... | 0910 | 81341   | 52  | <2.0  | 13  | 5.0                                     | 5.0   | 60.4  | 7.6  | 8.0   | 321   | 335   | 25.3 |
| OCT   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 03... | 0950 | 81341   | 51  | <2.0  | 10  | 6.0                                     | 6.3   | 67.5  | 7.6  | 8.1   | 340   | 351   | 23.8 |
| NOV   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 07... | 1020 | 81341   | 66  | <2.0  | 6   | 4.0                                     | 5.5   | 55.6  | 7.4  | 7.9   | 325   | 325   | 17.0 |
| 14... | 1010 | 81213   | 97  | --  | --  | --                                      | 8.9   | 81.7  | 7.5  | --  | --  | 282   | 6.7  |
| 28... | 0950 | 81213   | 175   | --  | --  | --                                      | 9.7   | 85.5  | 7.2  | --  | --  | 262   | 8.0  |
| DEC   |      |   |   |   |   |   |   |   |  |   |   |   |      |
| 05... | 1430 | 81341   | 113   | <2.0  | 5   | 5.0                                     | 11.1  | 94.1  | 7.6  | 8.3   | 303   | 300   | 10.0 |
| 05... | 1431 | 81213   | 113   | --  | --  | --                                      | 11.1  | 94.1  | 7.6  | --  | --  | 300   | 10.0 |

**TENNESSEE RIVER BASIN  
2000 Calendar Year**

**03567340 WEST CHICKAMAUGA CREEK NEAR LAKEVIEW, GA.—Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE  | TEMPER-<br>ATURE<br>(DEG C)<br>(00010) | HARD-<br>NESS<br>TOTAL<br>(MG/L<br>AS<br>CACO3)<br>(00900) | ANC<br>UNFLTRD<br>TIT 4.5<br>LAB<br>AS<br>CACO3)<br>(90410) | NITRO-<br>GEN,<br>AMMONIA<br>TOTAL<br>(MG/L<br>AS N)<br>(00610) | NITRO-<br>GEN,<br>NO2+NO3<br>TOTAL<br>(MG/L<br>AS N)<br>(00630) | PHOS-<br>PHORUS<br>TOTAL<br>(MG/L<br>AS P)<br>(00665) | CARBON,<br>ORGANIC<br>TOTAL<br>(MG/L<br>AS C)<br>(00680) | COLI-<br>FORM,<br>FECAL,<br>EC<br>BROTH<br>(MPN)<br>(31615) |
|-------|--|--|---|---|---|---|--|---|
| JAN   |  |  |   |   |   |   |  |   |
| 19... | 9.5                                    | 130  | 123   | .04   | 1.1   | .032  | 2.0  | --  |
| FEB   |  |  |   |   |   |   |  |   |
| 01... | 6.0                                    | --   | --  | --  | --  | --  | --   | 9200  |
| 08... | 7.0                                    | --   | --  | --  | --  | --  | --   | 20  |
| 15... | 10.2                                   | 96   | 86  | .80   | .6  | .230  | 9.3  | 35000   |
| MAR   |  |  |   |   |   |   |  |   |
| 07... | 12.5                                   | 140  | 120   | <.03  | .9  | .028  | 3.0  | --  |
| APR   |  |  |   |   |   |   |  |   |
| 04... | 14.8                                   | 46   | 42  | .06   | .2  | .120  | 7.8  | --  |
| MAY   |  |  |   |   |   |   |  |   |
| 09... | 21.1                                   | --   | --  | --  | --  | --  | --   | 490   |
| 16... | 19.0                                   | --   | --  | --  | --  | --  | --   | <20   |
| 23... | 21.6                                   | 130  | 132   | .03   | 1.1   | .060  | 6.6  | 7000  |
| 23... | 21.6                                   | --   | --  | --  | --  | --  | --   | --  |
| JUN   |  |  |   |   |   |   |  |   |
| 06... | 21.4                                   | 130  | 129   | .07   | 1.4   | .100  | 5.0  | 490   |
| JUL   |  |  |   |   |   |   |  |   |
| 05... | 24.4                                   | 120  | 116   | <.03  | .8  | .070  | 6.6  | --  |
| AUG   |  |  |   |   |   |   |  |   |
| 08... | 25.5                                   | 130  | 125   | .04   | .8  | .060  | 4.8  | 250   |
| 15... | 23.5                                   | --   | --  | --  | --  | --  | --   | 130   |
| 29... | 23.5                                   | --   | --  | --  | --  | --  | --   | 1400  |
| SEP   |  |  |   |   |   |   |  |   |
| 05... | 24.4                                   | 120  | 143   | .04   | .8  | .070  | 5.3  | 2300  |
| OCT   |  |  |   |   |   |   |  |   |
| 03... | 18.2                                   | 140  | 150   | .15   | 1.3   | .040  | 8.4  | --  |
| NOV   |  |  |   |   |   |   |  |   |
| 07... | 15.4                                   | 160  | 138   | <.03  | .5  | .050  | 5.2  | 700   |
| 14... | 11.0                                   | --   | --  | --  | --  | --  | --   | 230   |
| 28... | 9.3                                    | --   | --  | --  | --  | --  | --   | 1100  |
| DEC   |  |  |   |   |   |   |  |   |
| 05... | 7.8                                    | 140  | --  | <.03  | 1.2   | .050  | 6.8  | --  |
| 05... | 7.8                                    | --   | --  | --  | --  | --  | --   | --  |

**TENNESSEE RIVER BASIN  
2000 Calendar Year**

**03567340 WEST CHICKAMAUGA CREEK NEAR LAKEVIEW, GA.--Continued**

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2000 TO DECEMBER 2000

| DATE         | TIME | AGENCY<br>ANA-<br>LYZING<br>SAMPLE<br>(CODE<br>NUMBER)<br>(00028) | DIS-<br>CHARGE,<br>INST.<br>CUBIC<br>FEET<br>PER<br>SECOND<br>(00061) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SOLVED<br>(MG/L)<br>(00300) | OXYGEN,<br>DIS-<br>SOLVED<br>(PER-<br>CENT<br>SATUR-<br>ATION)<br>(00301) | PH<br>WATER<br>WHOLE<br>FIELD<br>(STAND-<br>ARD<br>UNITS)<br>(00400) | SPE-<br>CIFIC<br>CON-<br>DUCT-<br>ANCE<br>(US/CM)<br>(00095) | TEMPER-<br>ATURE<br>AIR<br>(DEG C)<br>(00020) | TEMPER-<br>ATURE<br>WATER<br>(DEG C)<br>(00010) | CALCIUM<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS CA)<br>(00916) | MAGNE-<br>SIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(MG/L<br>AS MG)<br>(00927) | ANTI-<br>MONY,<br>TOTAL<br>(UG/L<br>AS SB)<br>(01097) | ARSENIC<br>TOTAL<br>(UG/L<br>AS AS)<br>(01002) |
|--------------|------|---|---|---|---|--|--|---|---|--|--|---|--|
| MAY<br>23... | 1121 | 81213   | 66  | 6.5   | 76.2  | 7.9  | 304  | 27.0  | 21.6  | 37   | 9.1  | <1.0  | <2.0   |
| DEC<br>05... | 1431 | 81213   | 113   | 11.1  | 94  | 7.6  | 300  | 10.0  | 7.8   | 48   | 7.0  | <1.0  | <4.0   |

| DATE         | CADMIUM<br>WATER<br>UNFLTRD<br>TOTAL<br>(UG/L<br>AS CD)<br>(01027) | CHRO-<br>MIUM,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CR)<br>(01034) | COPPER,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS CU)<br>(01042) | LEAD,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS PB)<br>(01051) | MERCURY<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS HG)<br>(71900) | NICKEL,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS NI)<br>(01067) | SELE-<br>NIUM,<br>TOTAL<br>(UG/L<br>AS SE)<br>(01147) | THAL-<br>LIUM,<br>TOTAL<br>(UG/L<br>AS TL)<br>(01059) | ZINC,<br>TOTAL<br>RECOV-<br>ERABLE<br>(UG/L<br>AS ZN)<br>(01092) |
|--------------|--|---|--|--|--|--|---|---|--|
| MAY<br>23... | <.5  | <1.0  | <1.0   | <1.0   | <.1  | <1.0   | 2.0   | <2.0  | 3.9  |
| DEC<br>05... | <.5  | <1.0  | <2.0   | <2.0   | <.1  | <1.0   | <4.0  | <2.0  | 2.2  |

**IDENTIFICATION NUMBER.—03PP01**

COUNTY.—Walker

LOCATION.—Lat 34°54'08", long 85°16'00", Hydrologic Unit 06020001.

SITE NAME.—U.S. National Park Service, Chickamauga Battlefield Park.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Paleozoic rock (Chickamauga Limestone).

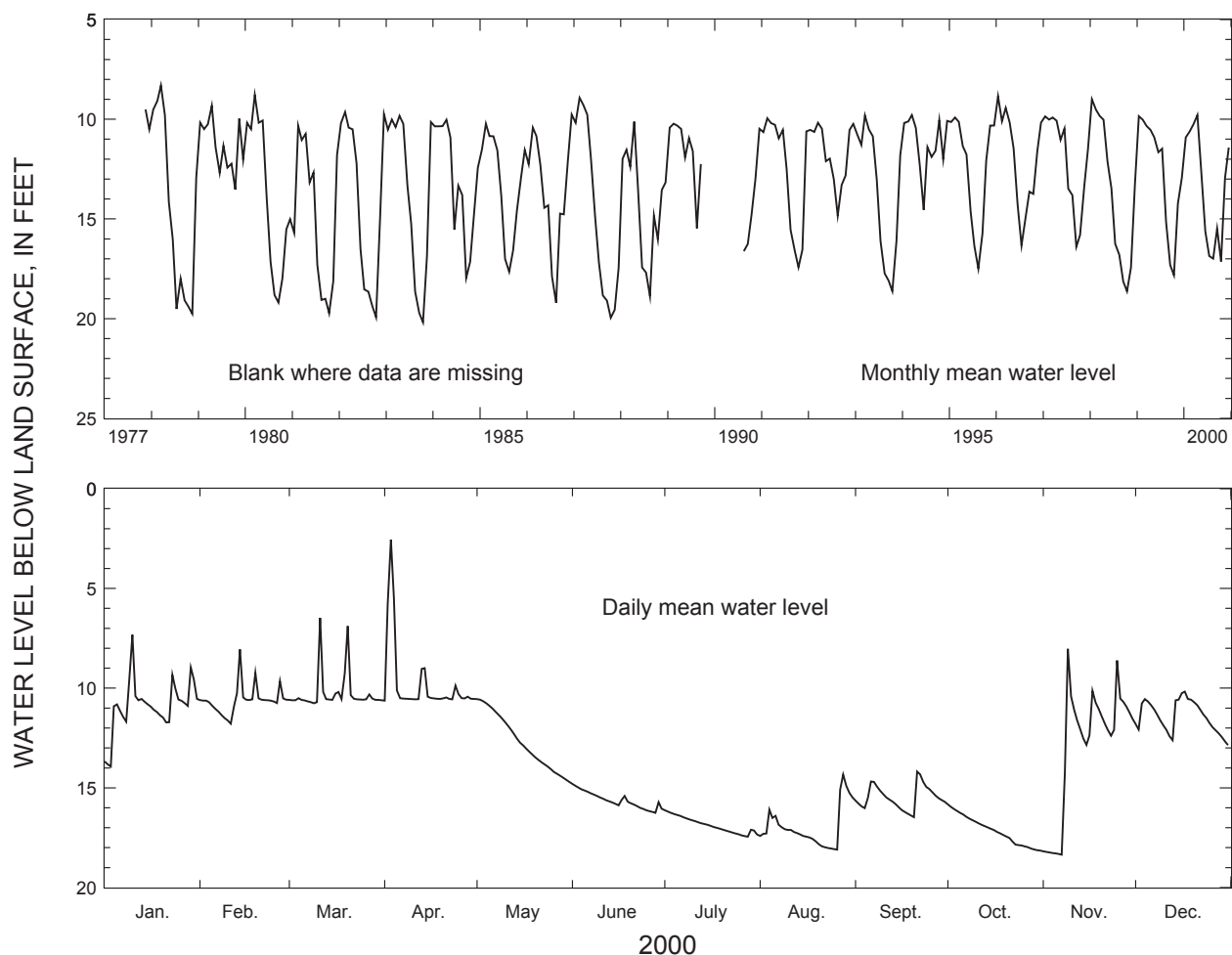
WELL CHARACTERISTICS.—Cable-tooled observation well, diameter 8 in., depth 72 ft, cased to 11 ft, open hole.

DATUM.—Altitude of land-surface datum is 730 ft.

REMARKS.—None.

PERIOD OF RECORD.—November 1977 to current year. Continuous record since November 1977.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 0.32 ft below land-surface datum, January 8, 1998, but may have been higher during period of missing record; lowest, 21.70 ft below land-surface datum, August 5, 1978.



| 2000             | JAN                      | FEB   | MAR   | APR        | MAY   | JUNE  | JULY  | AUG                      | SEPT  | OCT   | NOV   | DEC   |
|------------------|--------------------------|-------|-------|------------|-------|-------|-------|--------------------------|-------|-------|-------|-------|
| HIGH             | 7.32                     | 8.06  | 6.48  | 2.55       | 10.55 | 14.80 | 16.12 | 14.33                    | 14.18 | 15.83 | 8.03  | 10.17 |
| MEAN             | 10.91                    | 10.61 | 10.25 | 9.79       | 12.69 | 15.62 | 16.86 | 16.99                    | 15.48 | 17.13 | 12.94 | 11.42 |
| LOW              | 13.93                    | 11.78 | 10.76 | 10.63      | 14.70 | 16.25 | 17.45 | 18.10                    | 16.47 | 18.15 | 18.35 | 12.86 |
| SUMMARY FOR 2000 | HIGH 2.55 (Apr. 3, 2000) |       |       | MEAN 13.40 |       |       |       | LOW 18.35 (Nov. 7, 2000) |       |       |       |       |



**IDENTIFICATION NUMBER.—06F001.**

COUNTY.—Seminole

LOCATION.—Lat 30°54'01", long 84°53'40", Hydrologic Unit 03130004.

SITE NAME.—Roddenbery Company Farms, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

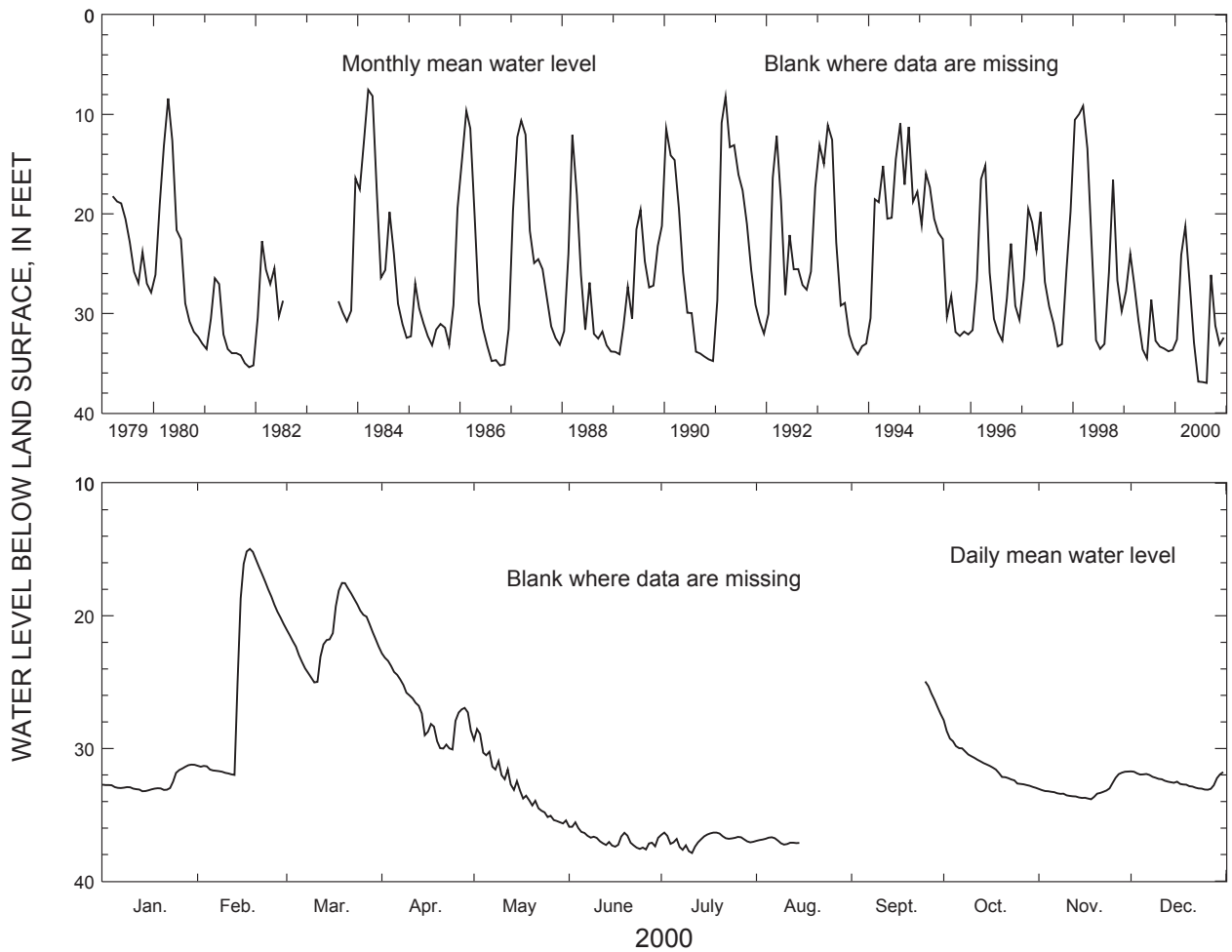
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 150 ft, cased to 98.5 ft, open hole.

DATUM.—Altitude of land-surface datum is 110 ft.

REMARKS.—Water-level data for period, August 16 to September 24, 2000, are missing.

PERIOD OF RECORD.—March 1979 to July 1982, August 1983 to current year. Continuous record March 1979 to July 1982, and since August 1983.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 4.13 ft below land-surface datum, March 8, 1984; lowest, 37.88 ft below land-surface datum, July 11, 2000.



| 2000             | JAN   | FEB   | MAR   | APR                   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT                   | NOV   | DEC   |
|------------------|-------|-------|-------|-----------------------|-------|-------|-------|-------|-------|-----------------------|-------|-------|
| HIGH             | 31.22 | 14.96 | 17.52 | 22.83                 | 28.54 | 35.57 | 36.34 | ----- | ----- | 27.88                 | 31.74 | 31.73 |
| MEAN             | 32.62 | 24.11 | 21.24 | 26.97                 | 32.92 | 36.86 | 36.89 | ----- | ----- | 31.23                 | 33.15 | 32.44 |
| LOW              | 33.22 | 31.99 | 25.02 | 30.08                 | 35.65 | 37.61 | 37.88 | ----- | ----- | 32.97                 | 33.83 | 33.11 |
| SUMMARY FOR 2000 |       |       | HIGH  | 14.96 (Feb. 18, 2000) |       |       | MEAN  | ----- | LOW   | 37.88 (July 11, 2000) |       |       |

**IDENTIFICATION NUMBER.—06K009.**

COUNTY.—Early

LOCATION.—Lat 31°28'24", long 84°55'12", Hydrologic Unit 03130004.

SITE NAME.—Georgia Geologic Survey, Kolomoki Mounds State Park, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Clayton.

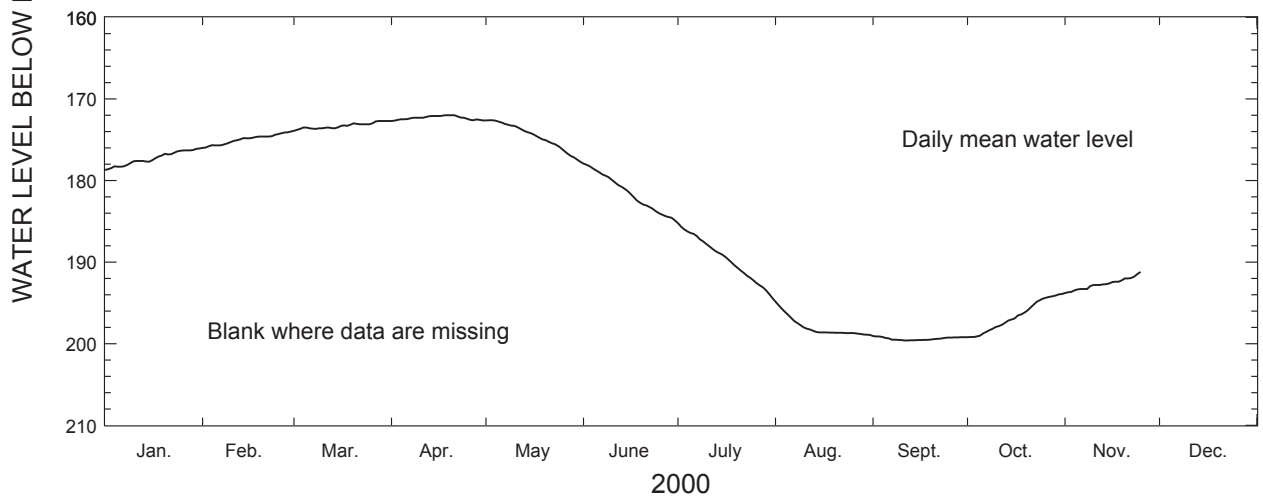
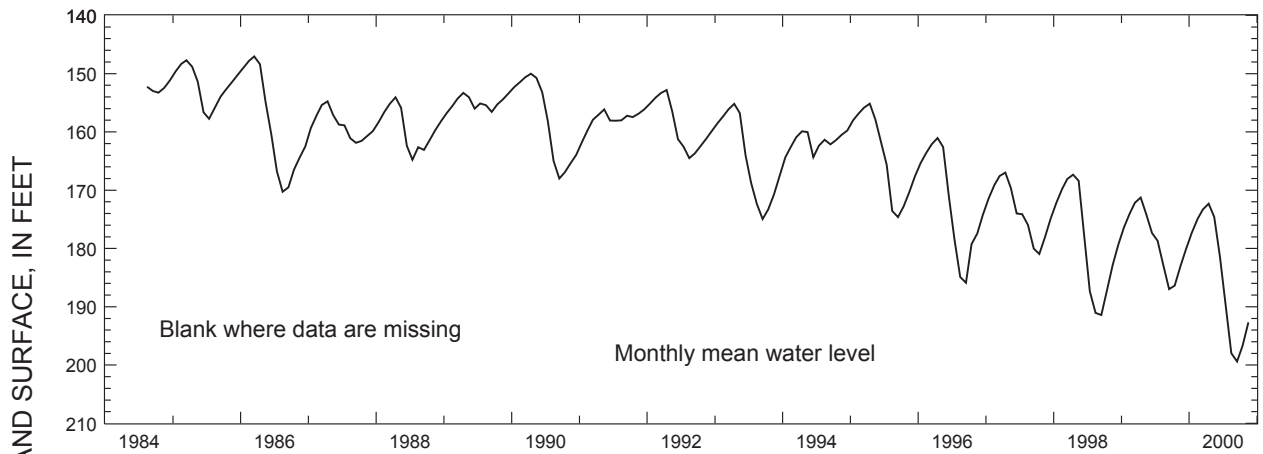
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 612 ft, cased to 491 ft, open hole.

DATUM.—Altitude of land-surface datum is 310 ft.

REMARK.—Water-level data for period, November 26 to December 31, 2000, are missing.

PERIOD OF RECORD.—August 1984 to current year. Continuous record since August 1984.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 146.62 ft below land-surface datum, April 3, 1986; lowest, 199.60 ft below land-surface datum, September 11, 2000.



| 2000             | JAN                            | FEB    | MAR    | APR        | MAY    | JUNE   | JULY                        | AUG    | SEPT   | OCT    | NOV    | DEC   |
|------------------|--------------------------------|--------|--------|------------|--------|--------|-----------------------------|--------|--------|--------|--------|-------|
| HIGH             | 176.06                         | 174.01 | 172.70 | 172.00     | 172.60 | 177.93 | 185.22                      | 194.85 | 199.06 | 193.90 | 191.21 | ----- |
| MEAN             | 177.31                         | 174.96 | 173.30 | 172.32     | 174.59 | 181.48 | 189.58                      | 197.97 | 199.38 | 196.65 | 192.68 | ----- |
| LOW              | 178.70                         | 176.00 | 173.91 | 172.70     | 177.69 | 184.86 | 194.37                      | 198.91 | 199.60 | 199.19 | 193.79 | ----- |
| SUMMARY FOR 2000 | HIGH 172.00 (Apr. 18-20, 2000) |        |        | MEAN ----- |        |        | LOW 199.60 (Sept. 11, 2000) |        |        |        |        |       |

**IDENTIFICATION NUMBER.—06K010.**

COUNTY.—Early

LOCATION.—Lat 31°28'24", long 84°55'09", Hydrologic Unit 03130004.

SITE NAME.—Georgia Geologic Survey, Kolomoki Mounds State Park, test well 3.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Claiborne.

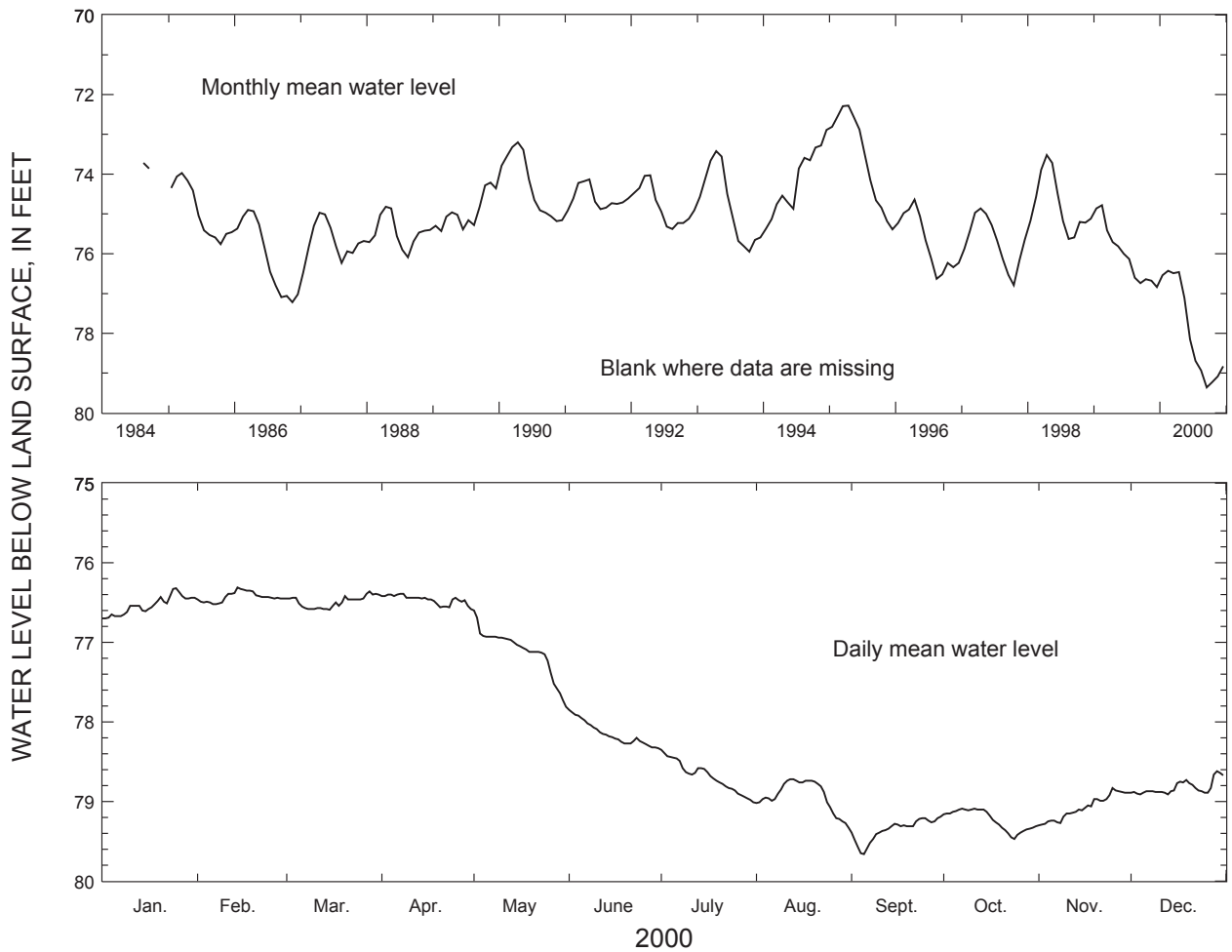
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 140 ft, cased to 120 ft, screen from 120 to 140 ft.

DATUM.—Altitude of land-surface datum is 310 ft.

REMARKS.—None.

PERIOD OF RECORD.—August 1984 to current year. Continuous record since January 1985.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 72.22 ft below land-surface datum, March 18, 1995; lowest, 79.66 ft below land-surface datum, September 5, 2000.



| 2000             | JAN                        | FEB   | MAR   | APR   | MAY   | JUNE       | JULY  | AUG                       | SEPT  | OCT   | NOV   | DEC   |
|------------------|----------------------------|-------|-------|-------|-------|------------|-------|---------------------------|-------|-------|-------|-------|
| HIGH             | 76.32                      | 76.31 | 76.36 | 76.39 | 76.60 | 77.85      | 78.35 | 78.72                     | 79.19 | 79.09 | 78.83 | 78.62 |
| MEAN             | 76.54                      | 76.43 | 76.49 | 76.46 | 77.11 | 78.15      | 78.69 | 78.93                     | 79.36 | 79.23 | 79.08 | 78.83 |
| LOW              | 76.70                      | 76.52 | 76.59 | 76.58 | 77.81 | 78.33      | 79.01 | 79.33                     | 79.66 | 79.47 | 79.30 | 78.91 |
| SUMMARY FOR 2000 | HIGH 76.31 (Feb. 14, 2000) |       |       |       |       | MEAN 77.95 |       | LOW 79.66 (Sept. 5, 2000) |       |       |       |       |

**IDENTIFICATION NUMBER.—06S001.**

COUNTY.—Chattahoochee

LOCATION.—Lat 32°20'31", long 84°59'10", Hydrologic Unit 03130003.

SITE NAME.—U.S. Army, Fort Benning.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.— Cretaceous (Blufftown, Eutaw, and Tuscaloosa Formations).

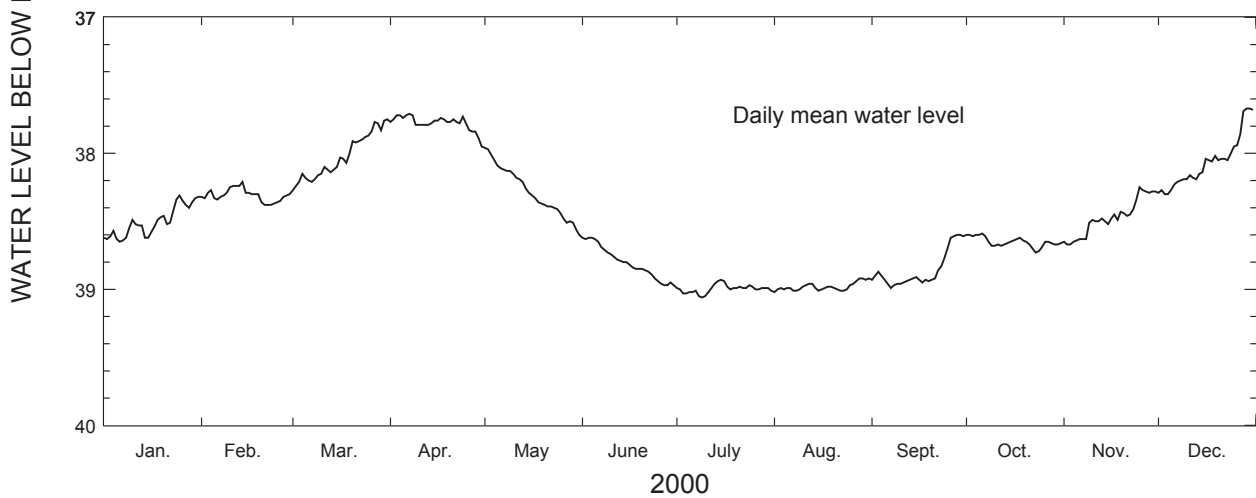
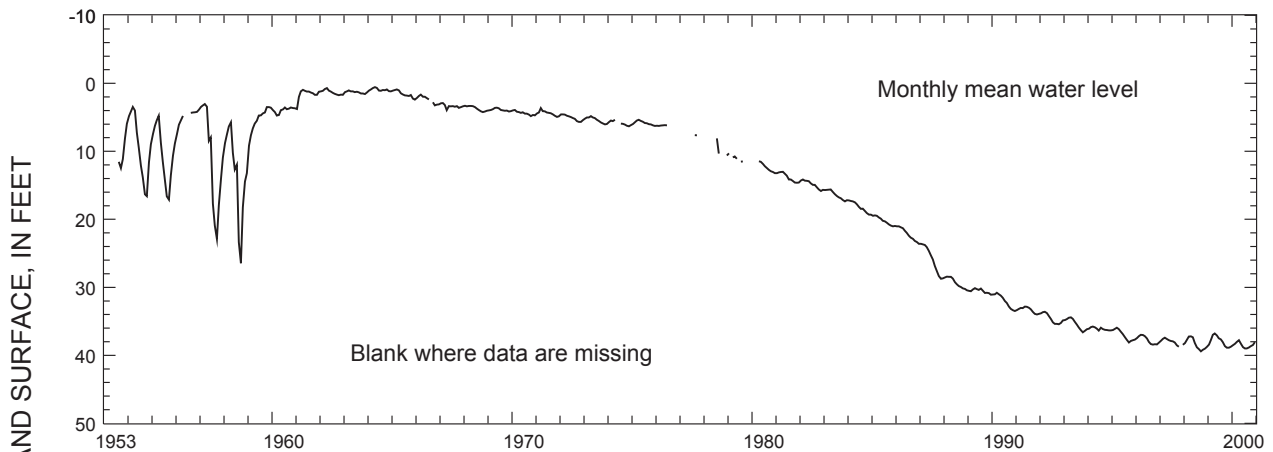
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 12 in., depth 568 ft, screened intervals 215-220 ft, 230-235 ft, 280-290 ft, and 540-550 ft.

DATUM.—Altitude of land-surface datum is 255 ft.

REMARKS.—None.

PERIOD OF RECORD.—August 1953 to current year. Continuous record since August 1953.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 0.37 ft below land-surface datum, April 10, 1964;  
lowest, 39.51 ft below land-surface datum, September 25, 1998.



| 2000             | JAN                           | FEB   | MAR   | APR   | MAY   | JUNE       | JULY  | AUG                      | SEPT  | OCT   | NOV   | DEC   |
|------------------|-------------------------------|-------|-------|-------|-------|------------|-------|--------------------------|-------|-------|-------|-------|
| HIGH             | 38.31                         | 38.21 | 37.75 | 37.71 | 37.96 | 38.62      | 38.93 | 38.92                    | 38.60 | 38.59 | 38.25 | 37.67 |
| MEAN             | 38.50                         | 38.31 | 38.03 | 37.78 | 38.28 | 38.80      | 39.00 | 38.98                    | 38.86 | 38.65 | 38.48 | 38.07 |
| LOW              | 38.65                         | 38.38 | 38.27 | 37.95 | 38.60 | 38.97      | 39.06 | 39.02                    | 38.99 | 38.73 | 38.67 | 38.30 |
| SUMMARY FOR 2000 | HIGH 37.67 (Dec. 29-30, 2000) |       |       |       |       | MEAN 38.48 |       | LOW 39.06 (July 9, 2000) |       |       |       |       |

**IDENTIFICATION NUMBER.—07H002.**

COUNTY.—Miller

LOCATION.—Lat 31°10'09", long 84°49'55", Hydrologic Unit 03130010.

SITE NAME.—U.S. Geological Survey, test well DP-2.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

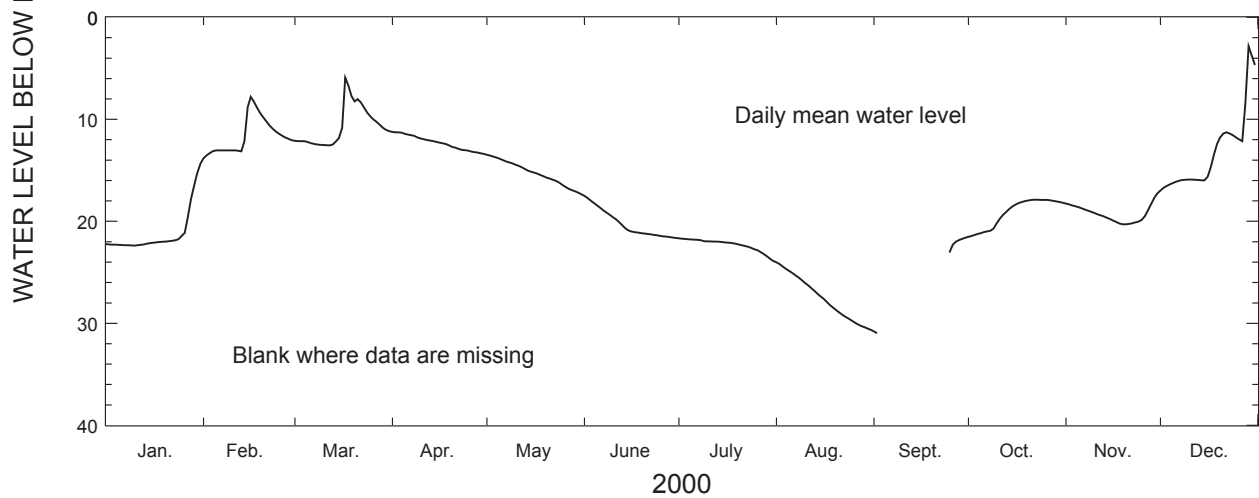
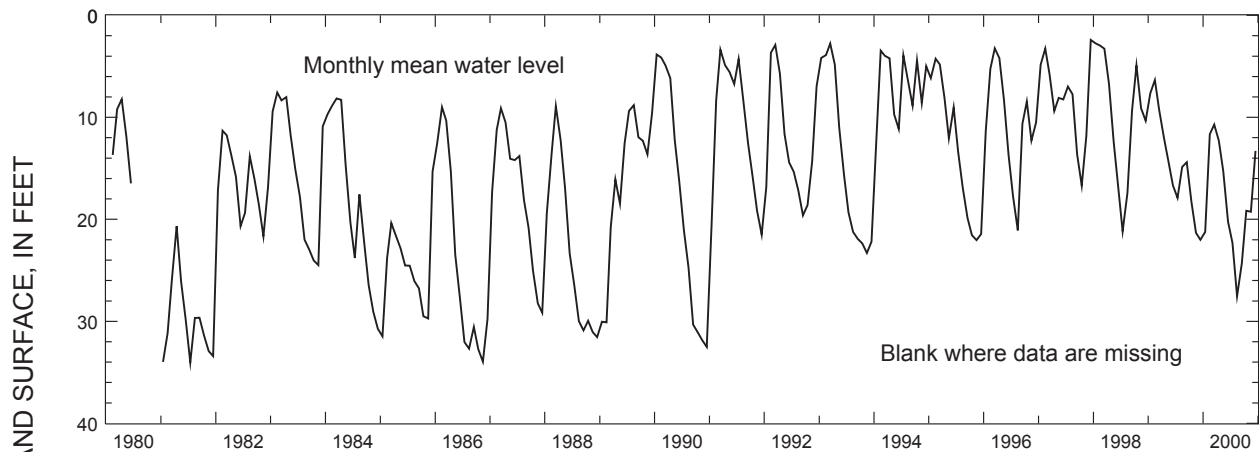
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 75 ft, cased to 64 ft, open hole.

DATUM.—Altitude of land-surface datum is 180 ft.

REMARKS.—Water-level data for period, September 3-24, 2000, are missing.

PERIOD OF RECORD.—February 1980 to current year. Continuous record since January 1981.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 0.22 ft below land-surface datum, March 8, 1998;  
lowest, 36.00 ft below land-surface datum, August 11, 1986.



| 2000             | JAN   | FEB   | MAR   | APR                  | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV                   | DEC   |
|------------------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|-------|-----------------------|-------|
| HIGH             | 14.34 | 7.80  | 5.92  | 11.24                | 13.47 | 17.50 | 21.67 | 24.01 | ----- | 17.89 | 17.28                 | 2.85  |
| MEAN             | 21.23 | 11.66 | 10.71 | 12.29                | 15.27 | 20.24 | 22.30 | 27.53 | ----- | 19.17 | 19.25                 | 13.28 |
| LOW              | 22.38 | 13.82 | 12.56 | 13.39                | 17.34 | 21.63 | 23.88 | 30.65 | ----- | 21.52 | 20.30                 | 16.98 |
| SUMMARY FOR 2000 |       |       | HIGH  | 2.85 (Dec. 29, 2000) |       |       | MEAN  | 17.73 |       | LOW   | 30.96 (Sept. 2, 2000) |       |

**IDENTIFICATION NUMBER.—07H003.**

COUNTY.—Miller

LOCATION.—Lat 31°10'08", long 84°49'54", Hydrologic Unit 03130010.

SITE NAME.—U.S. Geological Survey, test well DP-3.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Surficial (residuum).

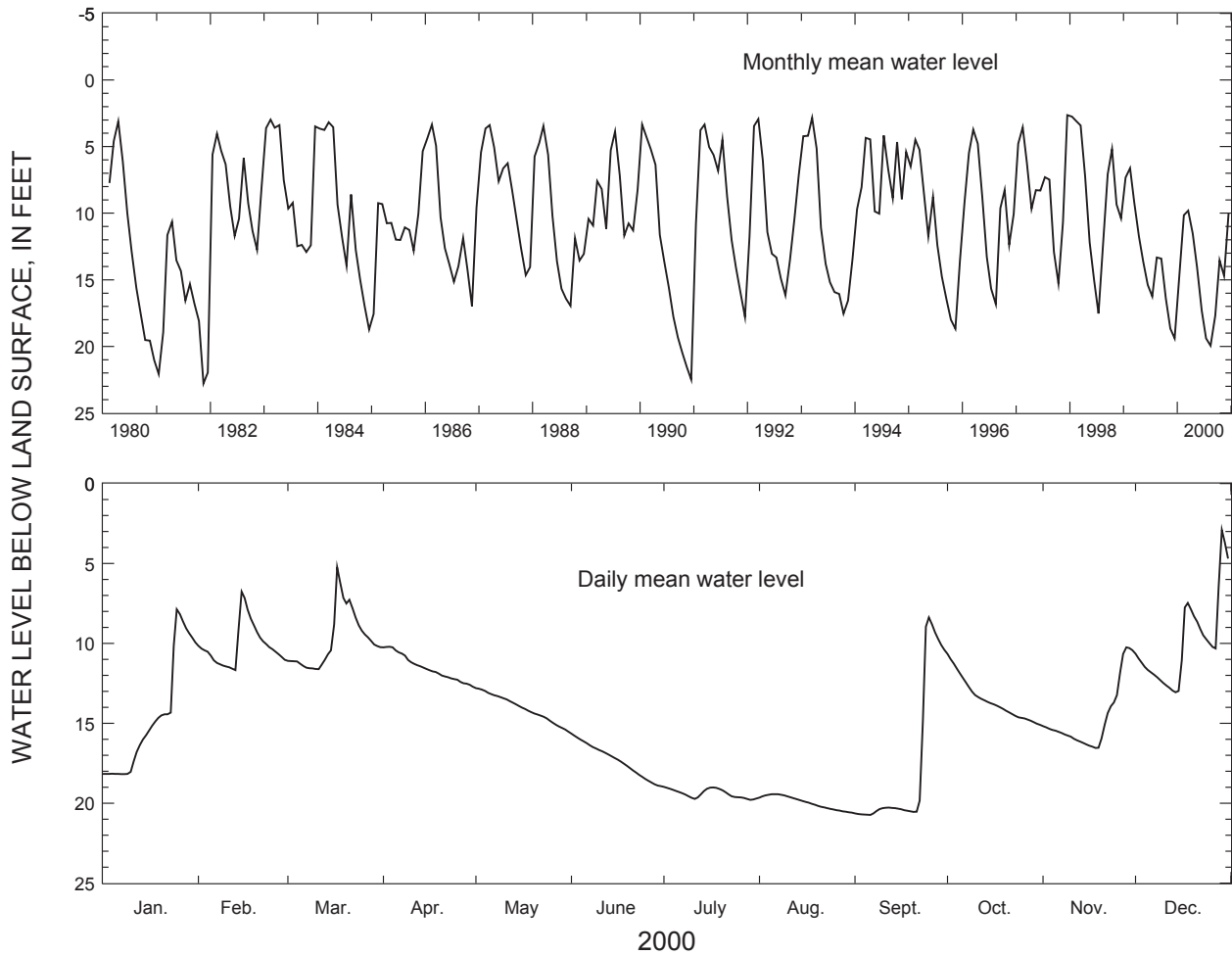
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 40 ft, perforated casing from 30 to 40 ft.

DATUM.—Altitude of land-surface datum is 180 ft.

REMARKS.—None.

PERIOD OF RECORD.—February 1980 to current year. Continuous record since February 1980.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 0.25 ft below land-surface datum, January 30, 1991;  
lowest, 24.19 ft below land-surface datum, November 10, 1981.



| 2000             | JAN   | FEB   | MAR   | APR                  | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV                   | DEC   |
|------------------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|-------|-----------------------|-------|
| HIGH             | 7.87  | 6.77  | 5.25  | 10.21                | 12.80 | 15.65 | 18.98 | 19.43 | 8.38  | 10.66 | 10.25                 | 2.91  |
| MEAN             | 14.66 | 10.15 | 9.81  | 11.52                | 14.04 | 17.31 | 19.40 | 19.95 | 17.69 | 13.54 | 14.71                 | 9.96  |
| LOW              | 18.18 | 11.67 | 11.61 | 12.71                | 15.52 | 18.93 | 19.79 | 20.59 | 20.73 | 15.10 | 16.54                 | 13.06 |
| SUMMARY FOR 2000 |       |       | HIGH  | 2.91 (Dec. 29, 2000) |       |       | MEAN  | 14.41 |       | LOW   | 20.73 (Sept. 6, 2000) |       |

**IDENTIFICATION NUMBER.—07KK64.**

COUNTY.—Gordon

LOCATION.—Lat 34°29'22", long 84°51'16", Hydrologic Unit 03150102.

SITE NAME.—Calhoun, Georgia, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Paleozoic rock (Knox Group).

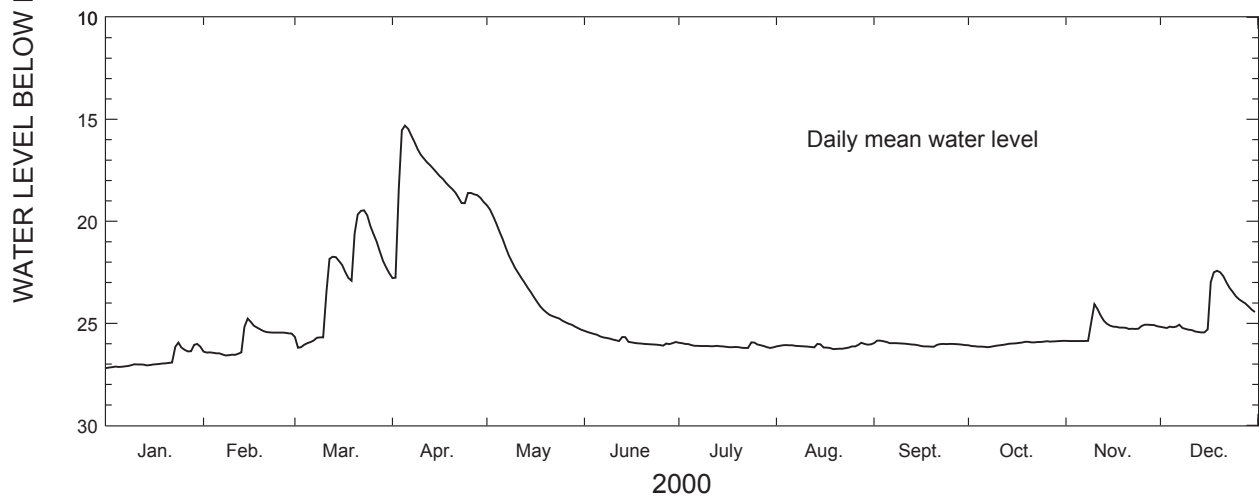
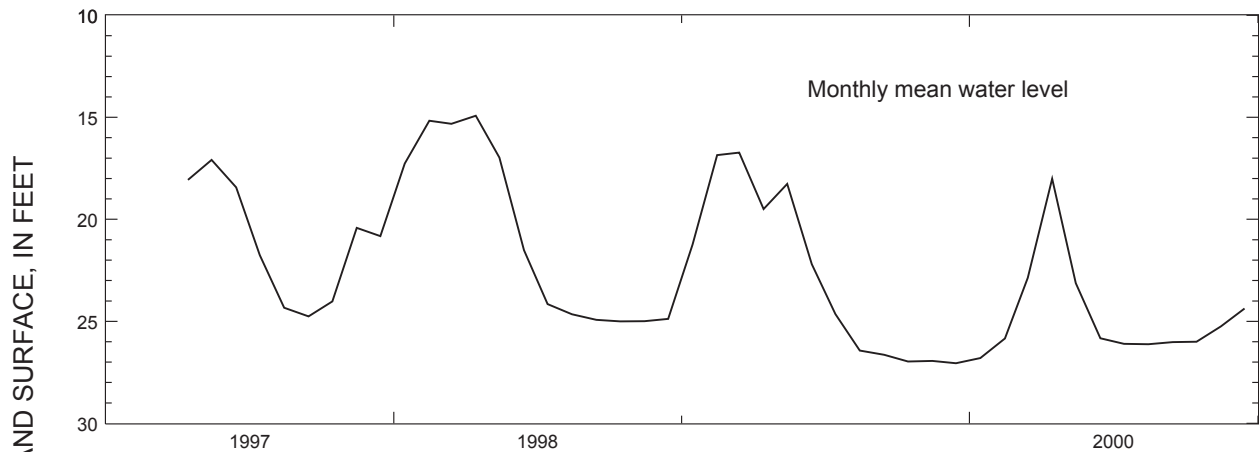
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 6 in., depth 300 ft, cased to 148 ft, open hole.

DATUM.—Altitude of land-surface datum is 695 ft.

REMARKS.—None.

PERIOD OF RECORD.—April 1997 to current year. Continuous record since April 1997.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 12.54 ft below land-surface datum, April 20, 1998;  
lowest, 27.28 ft below land-surface datum, October 19, 1999.



| 2000             | JAN   | FEB   | MAR   | APR                  | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV   | DEC   |                      |
|------------------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|
| HIGH             | 25.94 | 24.77 | 19.46 | 15.31                | 19.21 | 25.37 | 25.93 | 25.95 | 25.85 | 25.86 | 24.06 | 22.42 |                      |
| MEAN             | 26.80 | 25.84 | 22.87 | 18.01                | 23.13 | 25.83 | 26.10 | 26.12 | 26.02 | 26.00 | 25.25 | 24.37 |                      |
| LOW              | 27.20 | 26.57 | 26.20 | 22.78                | 25.31 | 26.09 | 26.21 | 26.26 | 26.15 | 26.17 | 25.87 | 25.44 |                      |
| SUMMARY FOR 2000 |       |       | HIGH  | 15.31 (Apr. 5, 2000) |       |       | MEAN  | 24.70 |       | LOW   |       |       | 27.20 (Jan. 1, 2000) |

**IDENTIFICATION NUMBER.—07N001.**

COUNTY.—Randolph

LOCATION.—Lat 31°46'09", long 84°47'43", Hydrologic Unit 03110204.

SITE NAME.—City of Cuthbert.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Clayton.

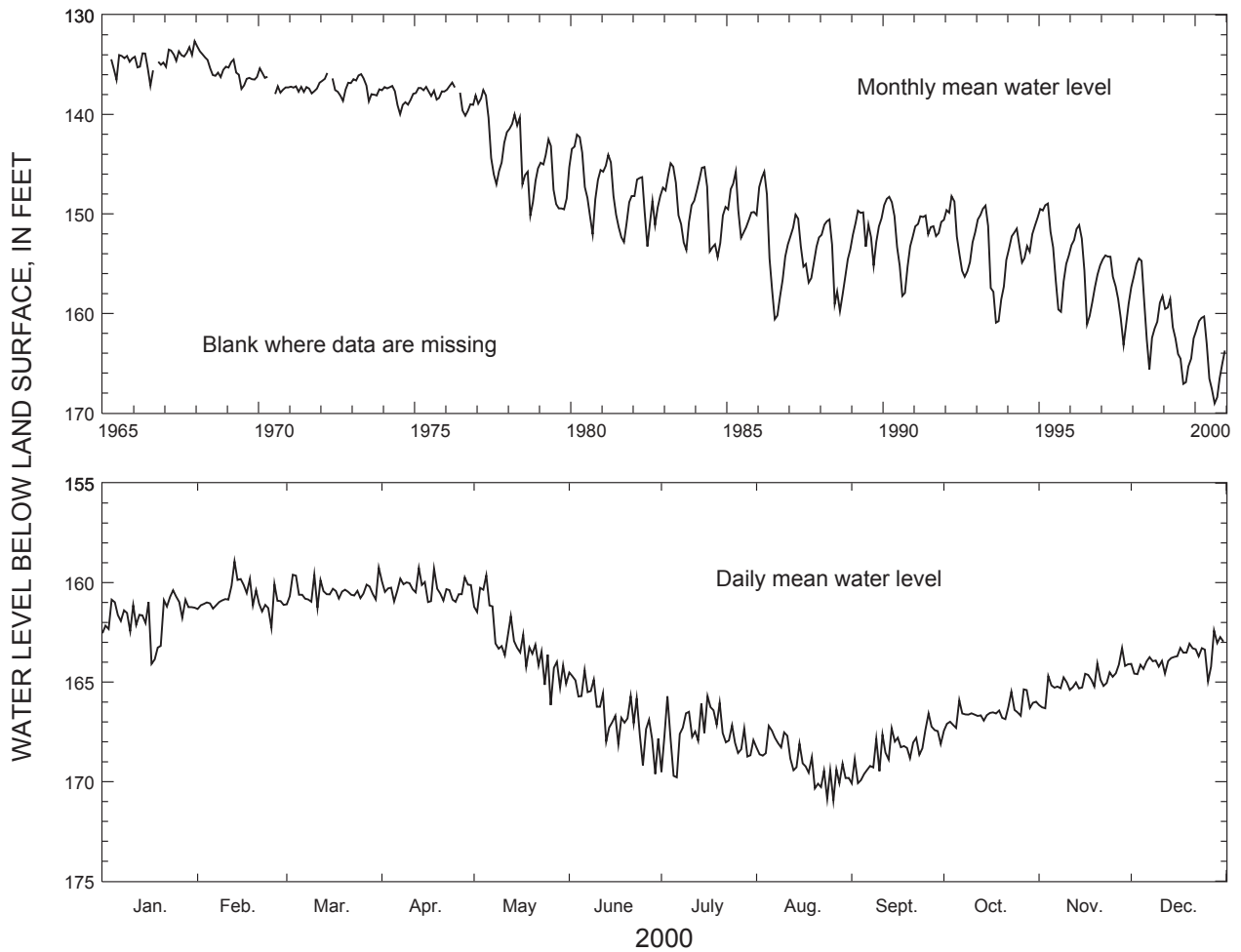
WELL CHARACTERISTICS.—Drilled unused municipal well, diameter 8 in., depth 372 ft, casing depth unknown.

DATUM.—Altitude of land-surface datum is 460 ft.

REMARKS.—Located near city supply wells.

PERIOD OF RECORD.—January 1965 to current year. Continuous record since January 1965.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 132.00 ft below land-surface datum, December 10, 31, 1967; lowest, 170.94 ft below land-surface datum, August 26, 2000.



| 2000             | JAN                         | FEB    | MAR    | APR    | MAY    | JUNE        | JULY   | AUG                        | SEPT   | OCT    | NOV    | DEC    |
|------------------|-----------------------------|--------|--------|--------|--------|-------------|--------|----------------------------|--------|--------|--------|--------|
| HIGH             | 160.38                      | 158.93 | 159.24 | 159.26 | 159.63 | 164.39      | 165.70 | 167.20                     | 166.58 | 165.36 | 163.28 | 162.41 |
| MEAN             | 161.71                      | 160.78 | 160.45 | 160.30 | 163.05 | 166.55      | 167.58 | 169.04                     | 168.42 | 166.52 | 164.95 | 163.74 |
| LOW              | 164.08                      | 162.27 | 161.26 | 160.98 | 166.15 | 169.62      | 169.79 | 170.94                     | 170.09 | 167.44 | 166.31 | 164.96 |
| SUMMARY FOR 2000 | HIGH 158.93 (Feb. 13, 2000) |        |        |        |        | MEAN 164.44 |        | LOW 170.94 (Aug. 26, 2000) |        |        |        |        |



**IDENTIFICATION NUMBER.—08G001.**

COUNTY.—Miller

LOCATION.—Lat 31°06'51", long 84°40'45", Hydrologic Unit 03130010.

SITE NAME.—Viercocken.

INSTRUMENTATION.—Electronic data recorder with GOES Satellite transmitter.

AQUIFER.—Upper Floridan.

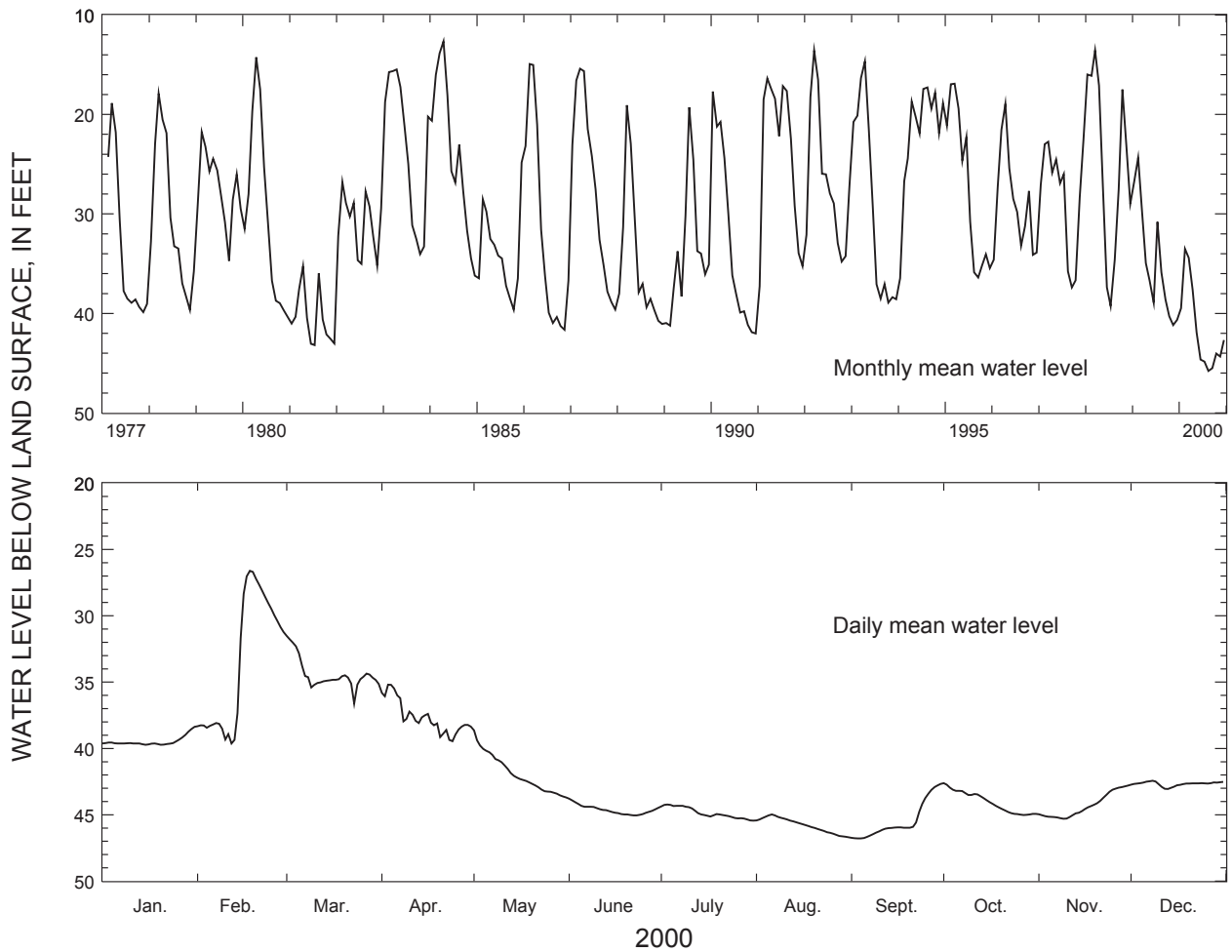
WELL CHARACTERISTICS.—Drilled unused irrigation well, diameter 12 in., depth 255 ft, cased to 130 ft, open hole.

DATUM.—Altitude of land-surface datum is 150 ft.

REMARKS.—None.

PERIOD OF RECORD.—February 1977 to current year. Continuous record since February 1977.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 11.18 ft below land-surface datum, April 11, 1984;  
lowest, 46.78 ft below land-surface datum, September 3-4, 2000.



| 2000             | JAN   | FEB                        | MAR   | APR   | MAY        | JUNE  | JULY  | AUG                         | SEPT  | OCT   | NOV   | DEC   |
|------------------|-------|----------------------------|-------|-------|------------|-------|-------|-----------------------------|-------|-------|-------|-------|
| HIGH             | 38.37 | 26.61                      | 31.52 | 35.19 | 38.63      | 43.79 | 44.23 | 44.97                       | 42.68 | 42.61 | 42.80 | 42.44 |
| MEAN             | 39.48 | 33.51                      | 34.41 | 37.65 | 41.90      | 44.63 | 44.84 | 45.78                       | 45.51 | 44.04 | 44.33 | 42.67 |
| LOW              | 39.72 | 39.63                      | 36.62 | 39.45 | 43.69      | 45.05 | 45.44 | 46.70                       | 46.78 | 45.01 | 45.30 | 43.05 |
| SUMMARY FOR 2000 |       | HIGH 26.61 (Feb. 18, 2000) |       |       | MEAN 41.59 |       |       | LOW 46.78 (Sept. 3-4, 2000) |       |       |       |       |

**IDENTIFICATION NUMBER.—08K001.**

COUNTY.—Early

LOCATION.—Lat 31°22'32", long 84°39'17", Hydrologic Unit 03130010.

SITE NAME.—Ike Newberry, test well 1.

INSTRUMENTATION.—Electronic data recorder with GOES Satellite transmitter.

AQUIFER.—Upper Floridan.

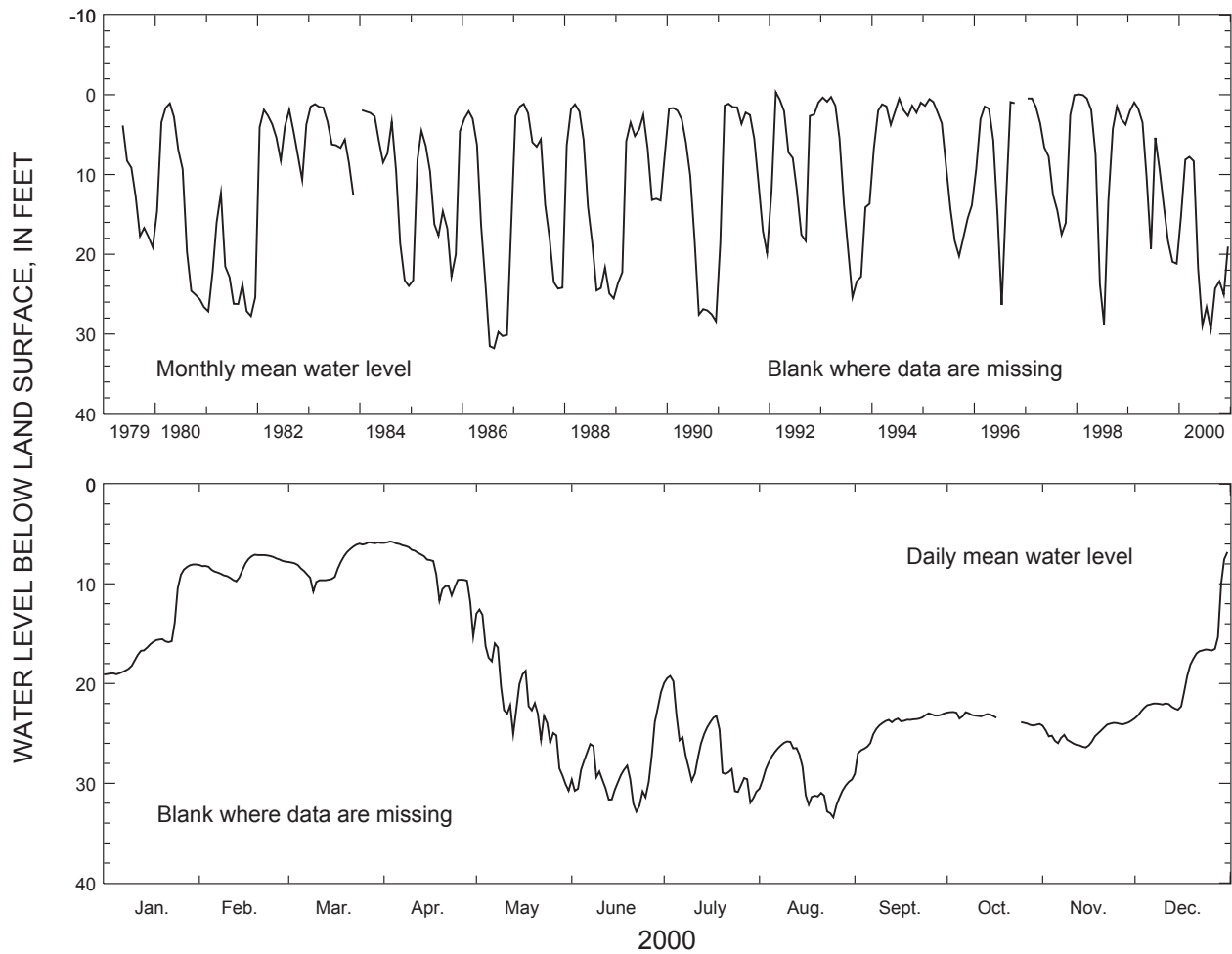
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 125 ft, cased to 61 ft, open hole.

DATUM.—Altitude of land-surface datum is 230 ft.

REMARKS.—Water-level data for period, October 18-24, 2000, are missing.

PERIOD OF RECORD.—May 1979 to current year. Continuous record since May 1979.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 2.46 ft above land-surface datum, February 23, 1992;  
lowest, 37.10 ft below land-surface datum, July 20, 1986.



| 2000             | JAN                      | FEB  | MAR   | APR        | MAY   | JUNE  | JULY                      | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------------------|--------------------------|------|-------|------------|-------|-------|---------------------------|-------|-------|-------|-------|-------|
| HIGH             | 8.05                     | 7.07 | 5.84  | 5.75       | 12.57 | 20.87 | 19.24                     | 25.80 | 22.99 | ----- | 23.69 | 6.81  |
| MEAN             | 15.28                    | 8.15 | 7.80  | 8.33       | 21.73 | 28.93 | 26.64                     | 29.44 | 24.28 | ----- | 25.05 | 19.04 |
| LOW              | 19.09                    | 9.76 | 10.76 | 15.26      | 30.74 | 32.85 | 31.95                     | 33.44 | 29.05 | ----- | 26.41 | 23.47 |
| SUMMARY FOR 2000 | HIGH 5.75 (Apr. 3, 2000) |      |       | MEAN 19.81 |       |       | LOW 33.44 (Aug. 25, 2000) |       |       |       |       |       |

**IDENTIFICATION NUMBER.—09F520.**

COUNTY.—Decatur

LOCATION.—Lat 30°57'42", long 84°35'46", Hydrologic Unit 03130008.

SITE NAME.—Graham Bolton.

INSTRUMENTATION.—Electronic data recorder with GOES Satellite transmitter.

AQUIFER.—Upper Floridan.

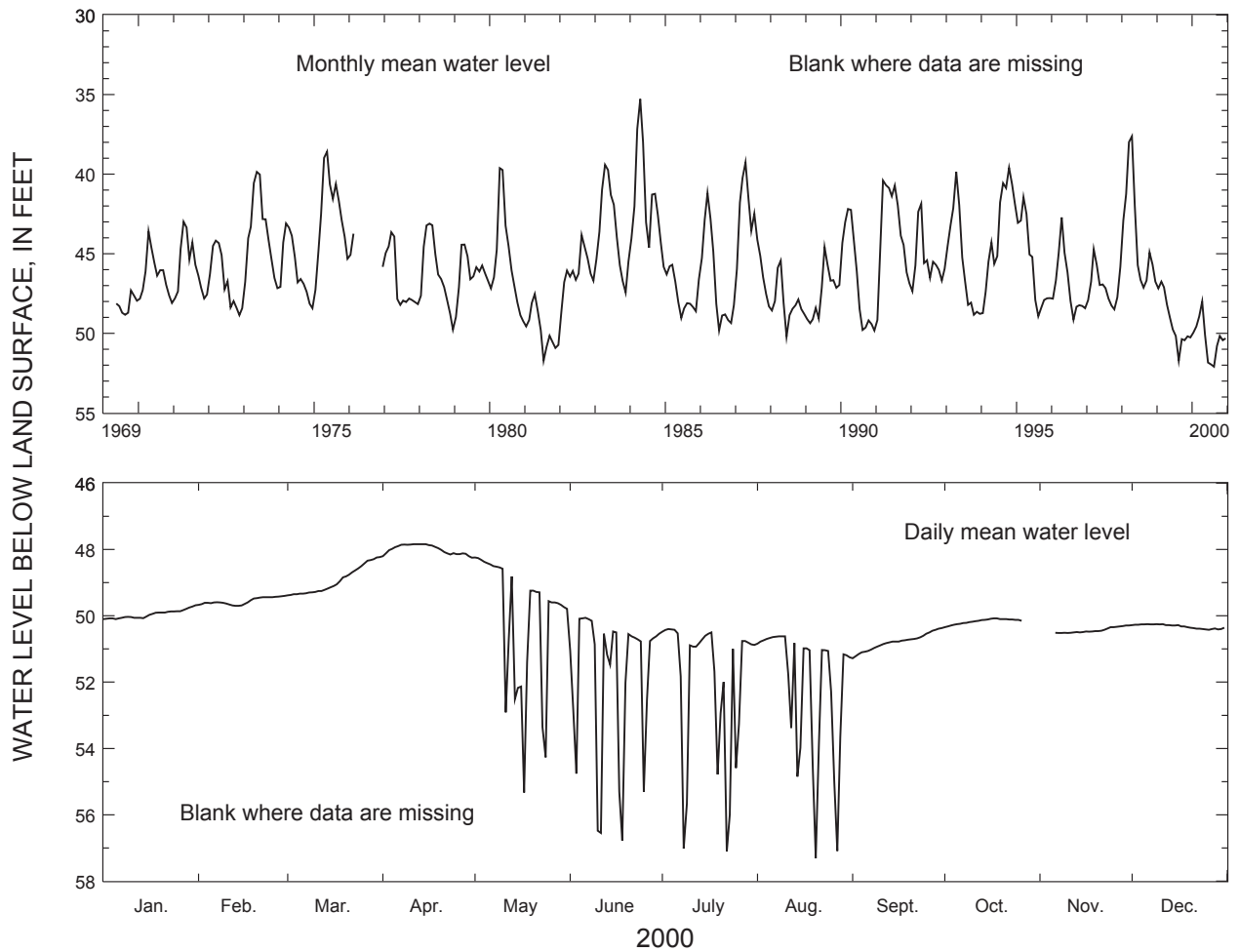
WELL CHARACTERISTICS.—Drilled unused irrigation well, diameter 12 in., depth 251 ft, cased to 130 ft, open hole.

DATUM.—Altitude of land-surface datum is 128 ft.

REMARKS.—Water-level data for period October 27 to November 5 are missing. This well is about 15 ft from an irrigation well.

PERIOD OF RECORD.—May 1969 to current year. Continuous record since May 1969.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 34.86 ft below land-surface datum, April 15, 1984;



| 2000             | JAN   | FEB   | MAR   | APR                      | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV   | DEC   |                       |
|------------------|-------|-------|-------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------|
| HIGH             | 49.68 | 49.40 | 48.23 | 47.84                    | 48.24 | 50.06 | 50.40 | 50.62 | 50.37 | 50.08 | 50.29 | 50.25 |                       |
| MEAN             | 49.95 | 49.56 | 48.94 | 47.99                    | 50.08 | 51.83 | 51.95 | 52.10 | 50.79 | 50.17 | 50.44 | 50.32 |                       |
| LOW              | 50.10 | 49.70 | 49.38 | 48.25                    | 55.33 | 56.78 | 57.11 | 57.31 | 51.28 | 50.34 | 50.52 | 50.42 |                       |
| SUMMARY FOR 2000 |       |       | HIGH  | 47.84 (Apr. 11-15, 2000) |       |       | MEAN  | 50.35 | LOW   |       |       |       | 57.31 (Aug. 20, 2000) |

**IDENTIFICATION NUMBER.—09G001.**

COUNTY.—Decatur

LOCATION.—Lat 31°04'28", long 84°31'05", Hydrologic Unit 03130008.

SITE NAME.—U.S. Geological Survey, test well DP-4.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

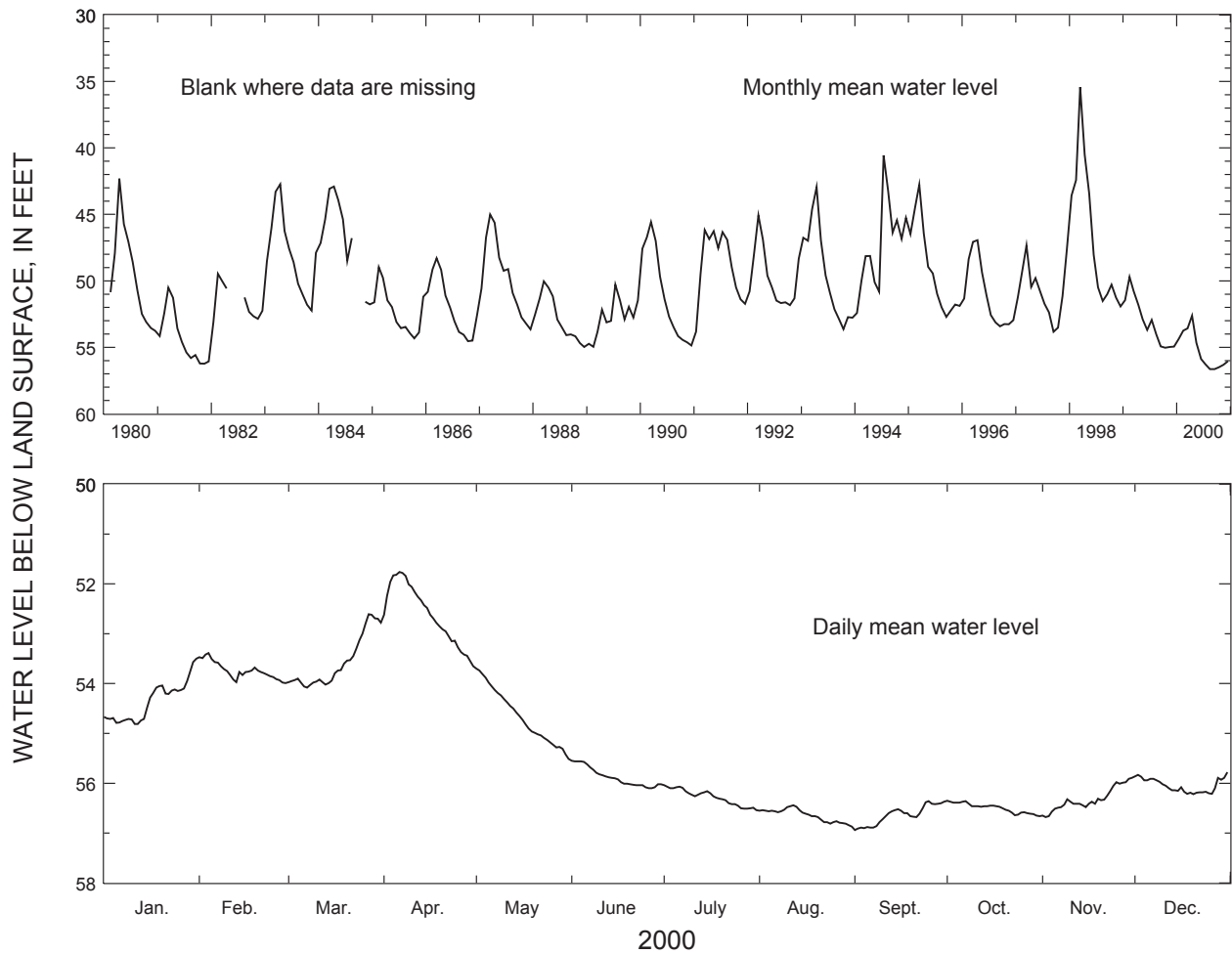
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 455 ft, cased to 382 ft, open hole.

DATUM.—Altitude of land-surface datum is 145 ft.

REMARKS.—Water levels may be affected by stage in the nearby Flint River.

PERIOD OF RECORD.—February 1980 to current year. Continuous record since February 1980.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 27.12 ft below land-surface datum, March 16, 1998;  
lowest, 56.94 ft below land-surface datum, September 1, 2000.



| 2000             | JAN                       | FEB   | MAR   | APR        | MAY   | JUNE  | JULY                      | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------------------|---------------------------|-------|-------|------------|-------|-------|---------------------------|-------|-------|-------|-------|-------|
| HIGH             | 53.50                     | 53.39 | 52.61 | 51.76      | 53.70 | 55.55 | 56.04                     | 56.44 | 56.36 | 56.35 | 55.89 | 55.78 |
| MEAN             | 54.36                     | 53.74 | 53.57 | 52.61      | 54.66 | 55.88 | 56.28                     | 56.64 | 56.64 | 56.50 | 56.32 | 56.04 |
| LOW              | 54.81                     | 53.99 | 54.08 | 53.65      | 55.51 | 56.10 | 56.54                     | 56.87 | 56.94 | 56.66 | 56.68 | 56.22 |
| SUMMARY FOR 2000 | HIGH 51.76 (Apr. 6, 2000) |       |       | MEAN 55.28 |       |       | LOW 56.94 (Sept. 1, 2000) |       |       |       |       |       |

**IDENTIFICATION NUMBER.—09G003.**

COUNTY.—Decatur

LOCATION.—Lat 31°04'28", long 84°31'05", Hydrologic Unit 03130008.

SITE NAME.—U.S. Geological Survey, test well DP-6.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Surficial (sediments of Eocene age).

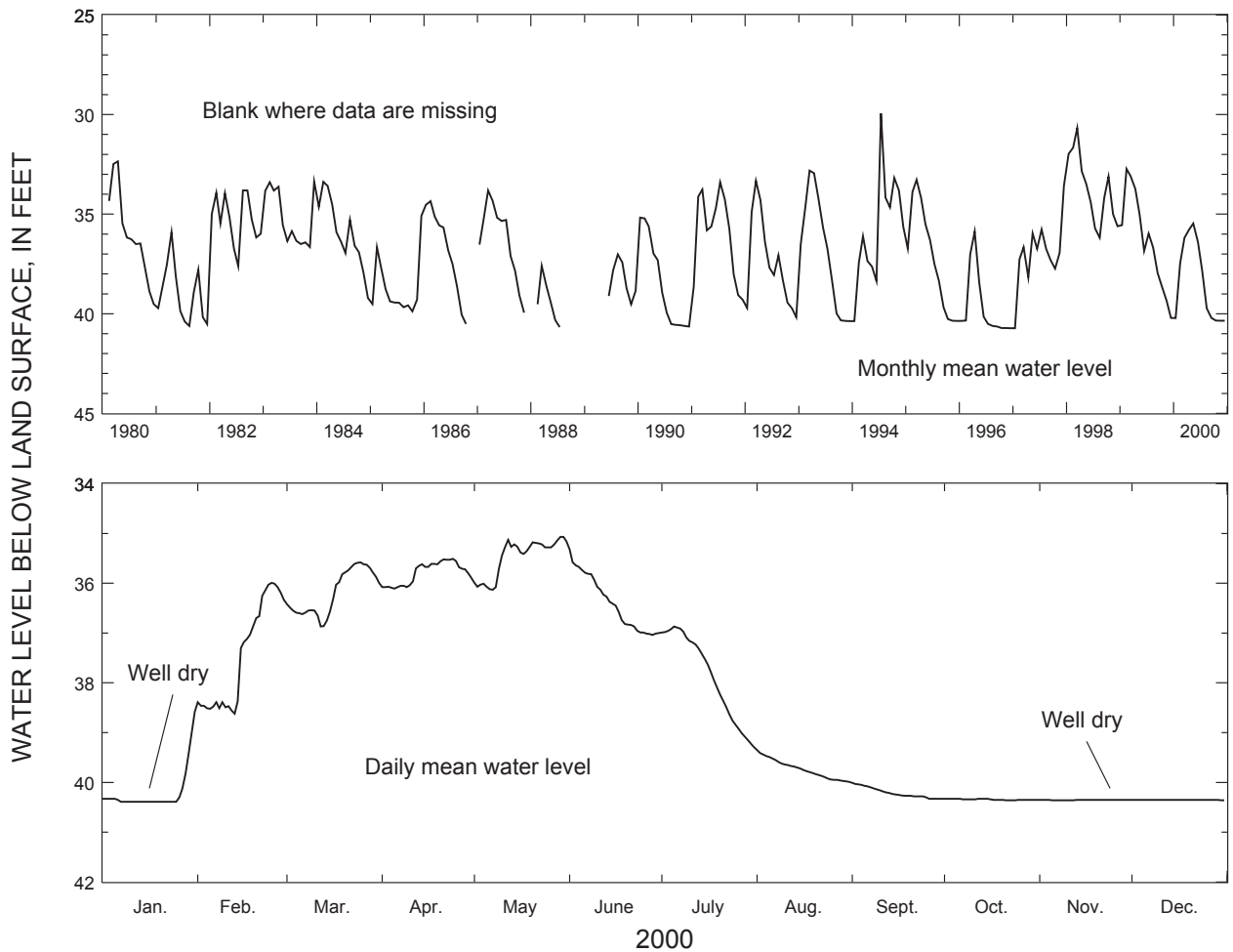
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 41 ft, cased to 30 ft, open hole.

DATUM.—Altitude of land-surface datum is 145 ft.

REMARKS.—Well can go dry during periods of decreased rainfall.

PERIOD OF RECORD.—February 1980 to current year. Continuous record since February 1980.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 20.56 ft below land-surface datum, July 16, 1994;  
lowest, well goes dry.



| 2000             | JAN                          | FEB   | MAR   | APR   | MAY   | JUNE       | JULY  | AUG                  | SEPT  | OCT   | NOV   | DEC   |
|------------------|------------------------------|-------|-------|-------|-------|------------|-------|----------------------|-------|-------|-------|-------|
| HIGH             | 38.58                        | 35.99 | 35.58 | 35.51 | 35.07 | 35.32      | 36.87 | 39.35                | 40.01 | 40.33 | 40.35 | 40.35 |
| MEAN             | 40.22                        | 37.47 | 36.19 | 35.79 | 35.47 | 36.40      | 37.87 | 39.73                | 40.21 | 40.34 | 40.35 | 40.35 |
| LOW              | 40.39                        | 38.62 | 36.87 | 36.11 | 36.13 | 37.04      | 39.29 | 39.99                | 40.33 | 40.36 | 40.36 | 40.36 |
| SUMMARY FOR 2000 | HIGH 35.07 (May 29-30, 2000) |       |       |       |       | MEAN ----- |       | LOW 40.39 (Well dry) |       |       |       |       |

**IDENTIFICATION NUMBER.—09JJ02.**

COUNTY.—Cherokee

LOCATION.—Lat 34°19'13", long 84°32'53", Hydrologic Unit 03150104.

SITE NAME.—Reinhardt College, well A.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Crystalline rock.

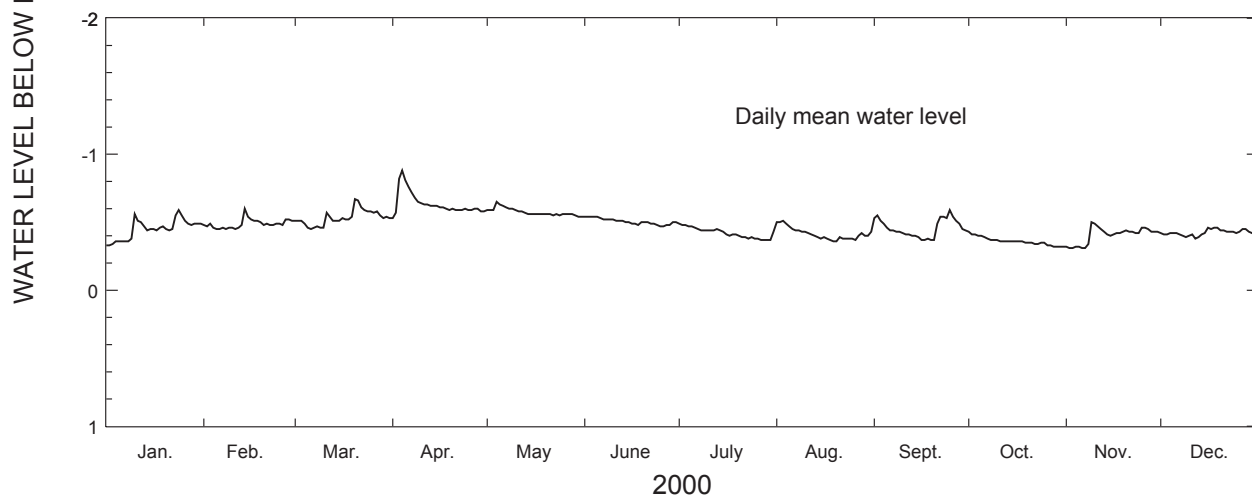
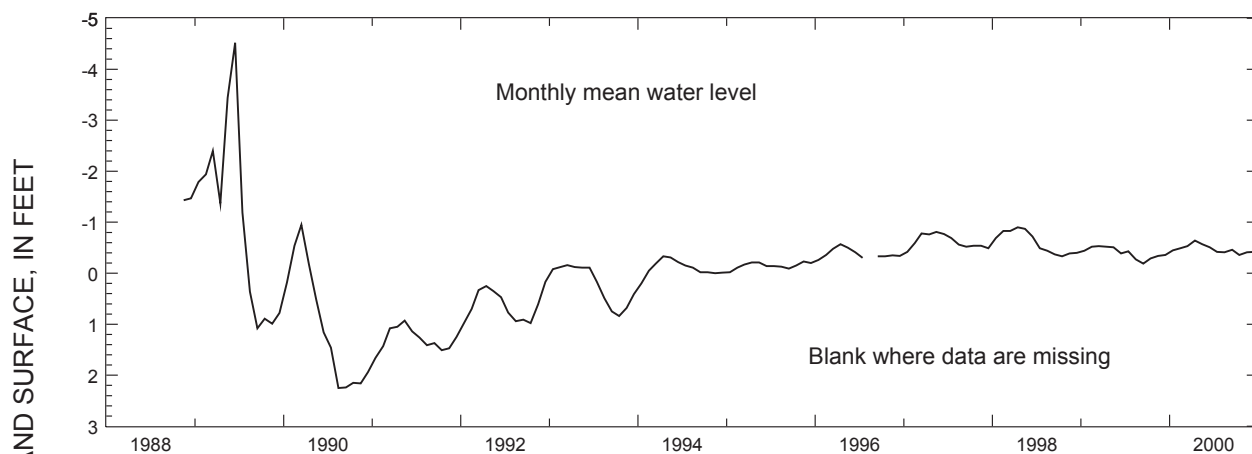
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 8 in., depth 370 ft, cased to 104 ft, open hole.

DATUM.—Altitude of land-surface datum is 1,060 ft.

REMARKS.—None.

PERIOD OF RECORD.—November 1988 to current year. Continuous record since November 1988.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 5.79 ft above land-surface datum, June 22, 1989; lowest, 2.77 ft below land-surface datum, September 22, 1990.



| 2000 | JAN   | FEB   | MAR   | APR   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| HIGH | -0.59 | -0.60 | -0.67 | -0.88 | -0.65 | -0.54 | -0.49 | -0.51 | -0.59 | -0.43 | -0.50 | -0.46 |
| MEAN | -0.45 | -0.49 | -0.53 | -0.64 | -0.57 | -0.51 | -0.42 | -0.41 | -0.46 | -0.36 | -0.41 | -0.42 |
| LOW  | -0.33 | -0.45 | -0.45 | -0.53 | -0.54 | -0.47 | -0.37 | -0.36 | -0.37 | -0.32 | -0.31 | -0.38 |

SUMMARY FOR 2000 HIGH -0.88 (Apr. 4, 2000) MEAN -0.47 LOW -0.31 (Nov. 2-3, 6-7, 2000)  
 [Negative value indicates water level above land surface]

**IDENTIFICATION NUMBER.—09M007.**

COUNTY.—Randolph

LOCATION.—Lat 31°39'52", long 84°36'12", Hydrologic Unit 03130009.

SITE NAME.—C. T. Martin, test well 2.

INSTRUMENTATION.—Electronic data recorder with GOES Satellite transmitter.

AQUIFER.—Clayton.

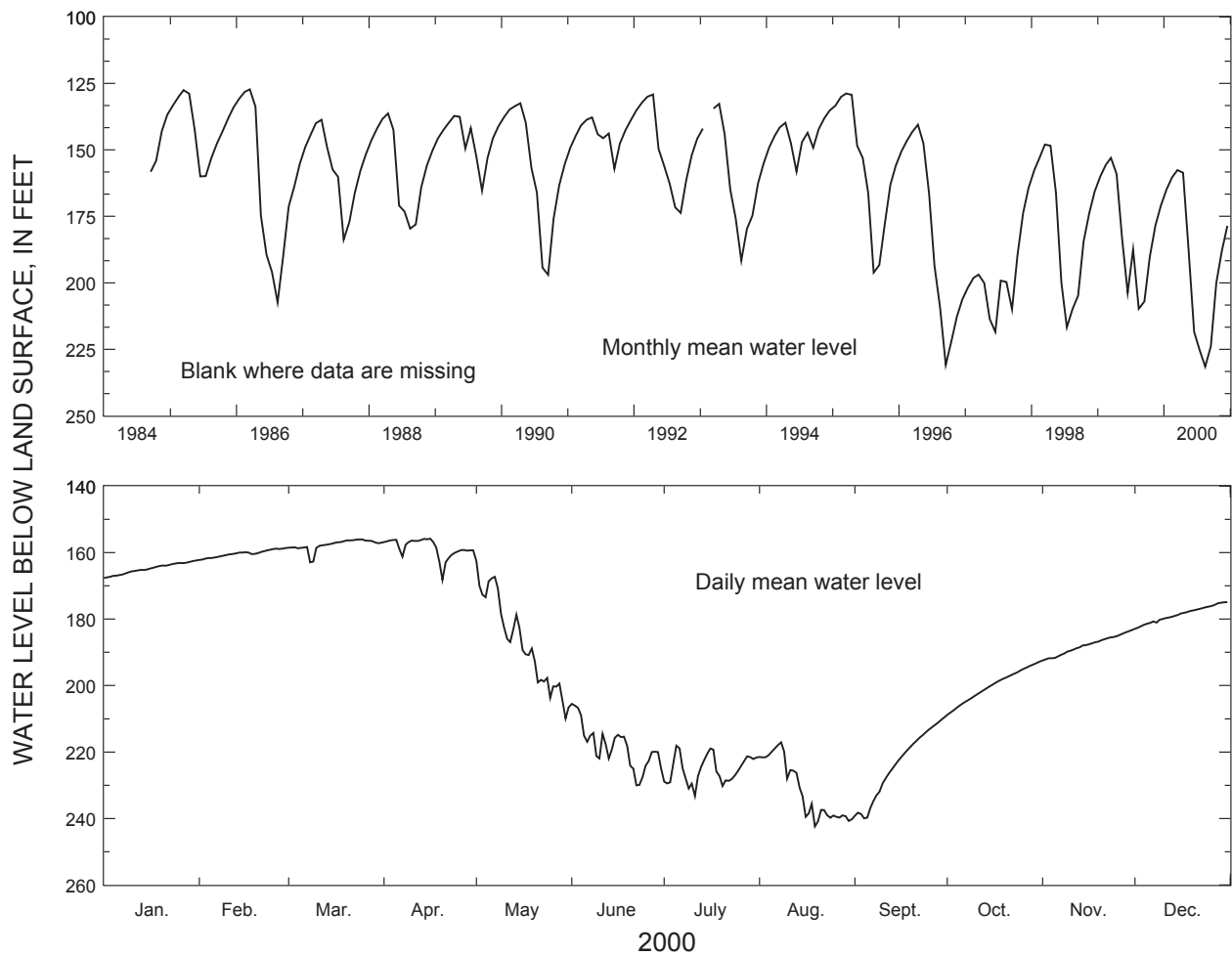
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 430 ft, cased to 356 ft, open hole.

DATUM.—Altitude of land-surface datum is 322 ft.

REMARKS.—None.

PERIOD OF RECORD.—September 1984 to current year. Continuous record since September 1984.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 126.55 ft below land-surface datum, March 27, 1986;  
lowest, 242.37 ft below land-surface datum, August 19, 2000.



| 2000             | JAN                         | FEB    | MAR    | APR         | MAY    | JUNE   | JULY                       | AUG    | SEPT   | OCT    | NOV    | DEC    |
|------------------|-----------------------------|--------|--------|-------------|--------|--------|----------------------------|--------|--------|--------|--------|--------|
| HIGH             | 162.35                      | 158.66 | 156.01 | 155.80      | 162.59 | 205.50 | 218.11                     | 217.10 | 209.62 | 192.82 | 183.31 | 174.88 |
| MEAN             | 164.84                      | 160.30 | 157.63 | 158.59      | 187.17 | 218.42 | 225.24                     | 231.50 | 223.86 | 200.08 | 187.90 | 178.54 |
| LOW              | 167.65                      | 162.19 | 162.92 | 168.18      | 209.90 | 230.04 | 233.26                     | 242.37 | 239.95 | 208.86 | 192.44 | 182.93 |
| SUMMARY FOR 2000 | HIGH 155.80 (Apr. 16, 2000) |        |        | MEAN 191.28 |        |        | LOW 242.37 (Aug. 19, 2000) |        |        |        |        |        |

**IDENTIFICATION NUMBER.—09M009.**

COUNTY.—Randolph

LOCATION.—Lat 31°39'52", long 84°36'10", Hydrologic Unit 03130009.

SITE NAME.—C.T. Martin, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Claiborne.

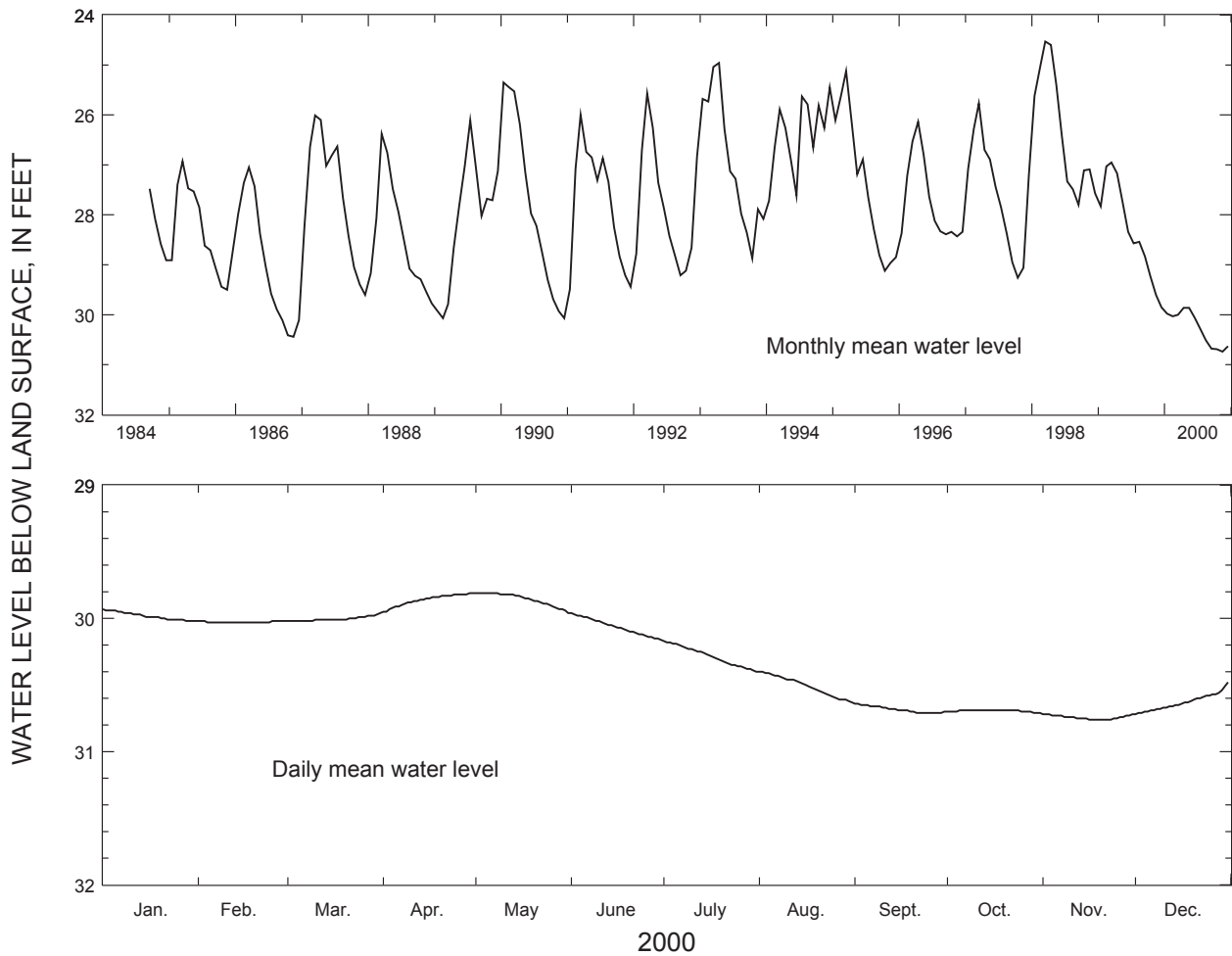
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 94 ft, cased to 77 ft, screen from 77 to 94 ft.

DATUM.—Altitude of land-surface datum is 322 ft.

REMARKS.—None.

PERIOD OF RECORD.—September 1984 to current year. Continuous record since September 1984.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 24.25 ft below land-surface datum, March 23-28, 1998;  
lowest, 30.76 ft below land-surface datum, November 16-23, 2000.



| 2000 | JAN   | FEB   | MAR   | APR   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| HIGH | 29.93 | 30.02 | 29.96 | 29.81 | 29.81 | 29.96 | 30.17 | 30.40 | 30.64 | 30.69 | 30.72 | 30.48 |
| MEAN | 29.98 | 30.03 | 30.00 | 29.86 | 29.86 | 30.06 | 30.28 | 30.51 | 30.68 | 30.69 | 30.74 | 30.63 |
| LOW  | 30.02 | 30.03 | 30.02 | 29.95 | 29.96 | 30.16 | 30.40 | 30.63 | 30.71 | 30.71 | 30.76 | 30.72 |

SUMMARY FOR 2000 HIGH 29.81 (Apr. 29 to May 8, 2000) MEAN 30.28 LOW 30.76 (Nov. 16-23, 2000)



**IDENTIFICATION NUMBER.—10DD02.**

COUNTY.—Fulton

LOCATION.—Lat 33°42'07", long 84°25'48", Hydrologic Unit 03130002.

SITE NAME.—U.S. Army, Fort McPherson.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Crystalline rock (biotite gneiss).

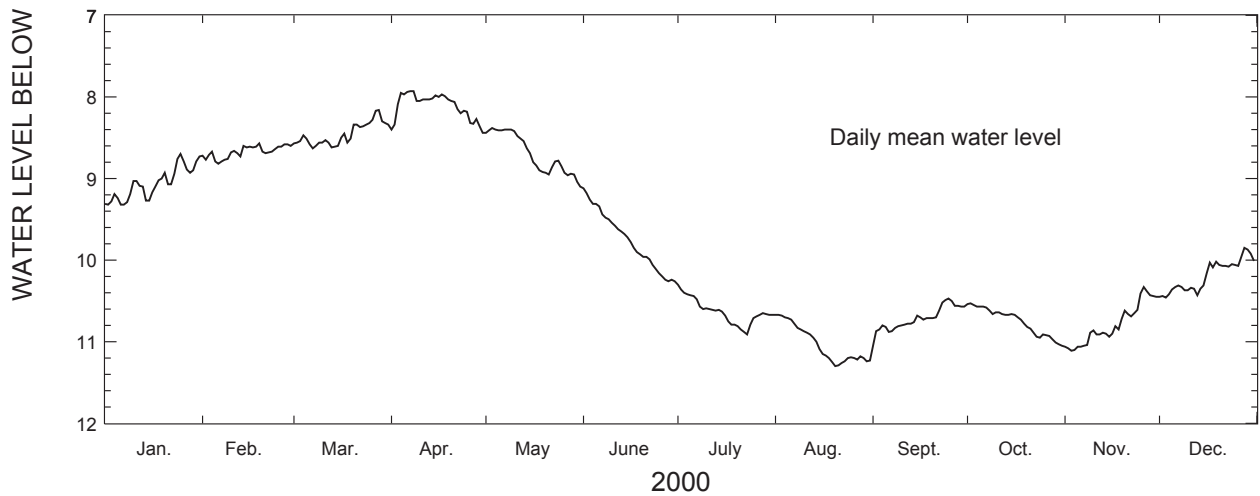
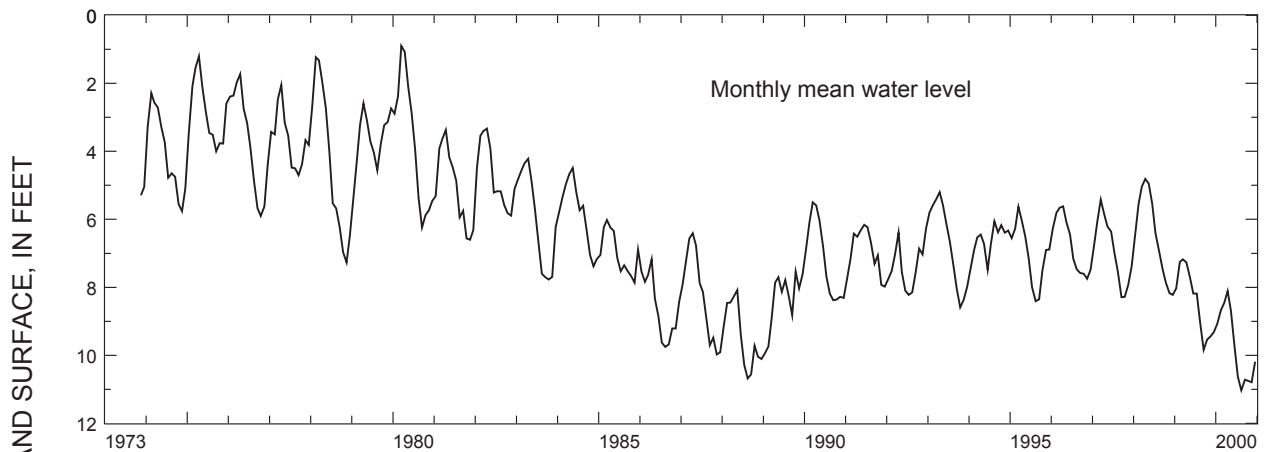
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 12 in., depth 338 ft, cased to 41 ft, open hole.

DATUM.—Altitude of land-surface datum is 1,013 ft.

REMARKS.—None.

PERIOD OF RECORD.—November 1973 to current year. Continuous record since November 1973.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 0.10 ft below land-surface datum, March 30, 1980;  
lowest, 11.30 ft below land-surface datum, August 20, 2000.



| 2000             | JAN  | FEB  | MAR  | APR                   | MAY  | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV                   | DEC   |
|------------------|------|------|------|-----------------------|------|-------|-------|-------|-------|-------|-----------------------|-------|
| HIGH             | 8.70 | 8.57 | 8.16 | 7.93                  | 8.38 | 9.12  | 10.30 | 10.67 | 10.47 | 10.53 | 10.33                 | 9.85  |
| MEAN             | 9.07 | 8.67 | 8.46 | 8.11                  | 8.69 | 9.75  | 10.63 | 11.03 | 10.72 | 10.75 | 10.79                 | 10.19 |
| LOW              | 9.32 | 8.82 | 8.63 | 8.44                  | 9.10 | 10.26 | 10.91 | 11.30 | 11.05 | 11.05 | 11.11                 | 10.46 |
| SUMMARY FOR 2000 |      |      | HIGH | 7.93 (Apr. 7-8, 2000) |      |       | MEAN  | 9.74  |       | LOW   | 11.30 (Aug. 20, 2000) |       |

**IDENTIFICATION NUMBER.—10G313.**

COUNTY.—Mitchell

LOCATION.—Lat 31°05'07", long 84°26'22", Hydrologic Unit 03130008.

SITE NAME.—Harvey Meinders.

INSTRUMENTATION.—Electronic data recorder with GOES Satellite transmitter.

AQUIFER.—Upper Floridan.

WELL CHARACTERISTICS.—Cable-tool observation well, diameter 12 in., depth 250 ft, cased to 87 ft, open hole.

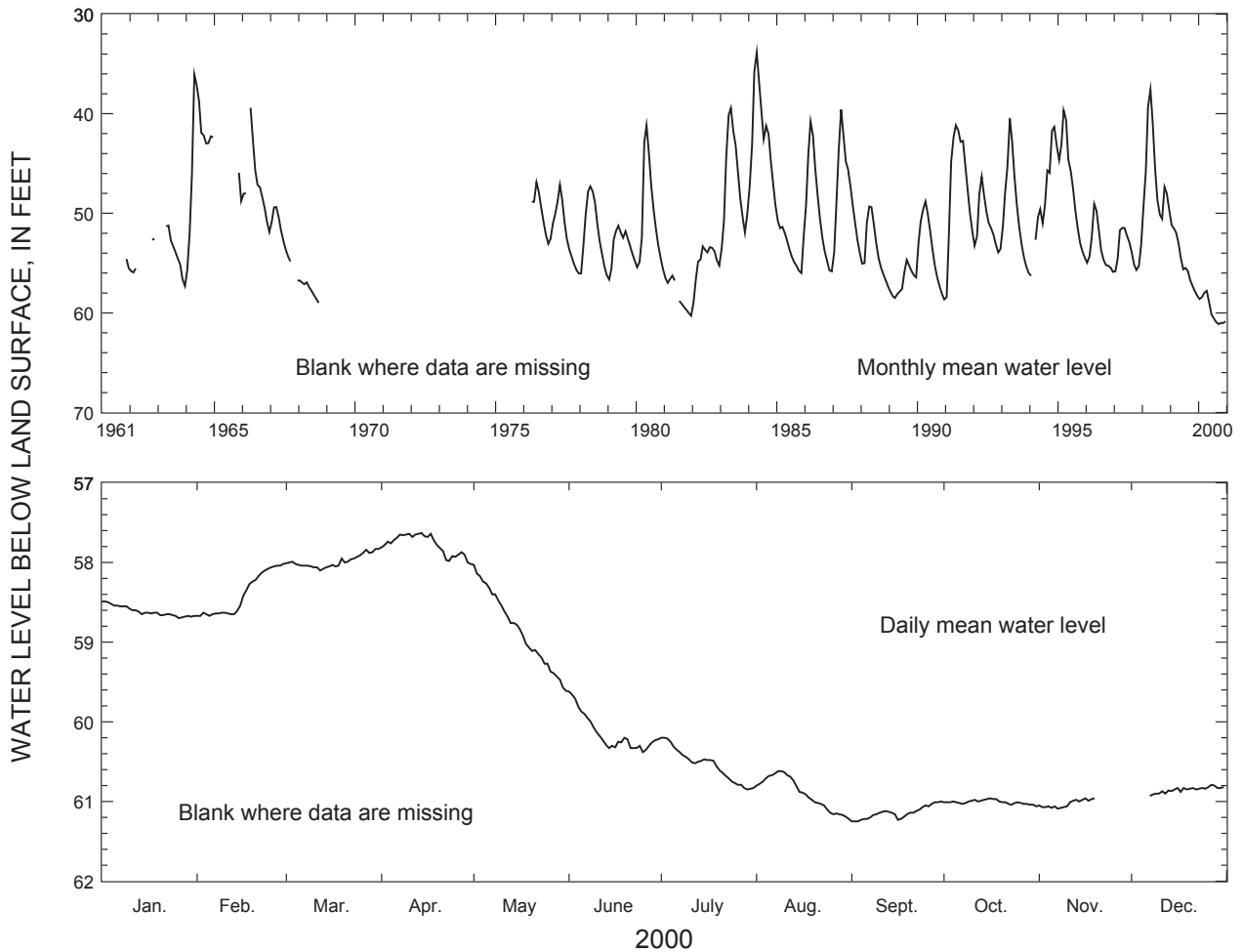
DATUM.—Altitude of land-surface datum is 145 ft.

REMARKS.—Water-level data for period, November 20 to December 6, 2000, are missing.

PERIOD OF RECORD.—November 1961 to September 1968, April 1976 to current year. Continuous record

November 1961 to September 1968, and since April 1976.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 32.98 ft below land-surface datum, April 9, 1984;



| 2000             | JAN                        | FEB   | MAR   | APR        | MAY   | JUNE  | JULY                        | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------------------|----------------------------|-------|-------|------------|-------|-------|-----------------------------|-------|-------|-------|-------|-------|
| HIGH             | 58.49                      | 58.02 | 57.83 | 57.63      | 58.03 | 59.62 | 60.20                       | 60.62 | 61.00 | 60.96 | ----- | 60.79 |
| MEAN             | 58.61                      | 58.41 | 57.99 | 57.78      | 58.85 | 60.14 | 60.54                       | 60.90 | 61.14 | 61.01 | ----- | 60.85 |
| LOW              | 58.70                      | 58.67 | 58.10 | 58.02      | 59.61 | 60.38 | 60.85                       | 61.22 | 61.25 | 61.06 | ----- | 60.93 |
| SUMMARY FOR 2000 | HIGH 57.63 (Apr. 14, 2000) |       |       | MEAN 59.72 |       |       | LOW 61.25 (Sept. 1-3, 2000) |       |       |       |       |       |

**IDENTIFICATION NUMBER.—10K005.**

COUNTY.—Calhoun

LOCATION.—Lat 31°28'52", long 84°59'11", Hydrologic Unit 03130009.

SITE NAME.—Bill Jordan, Ocala well.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

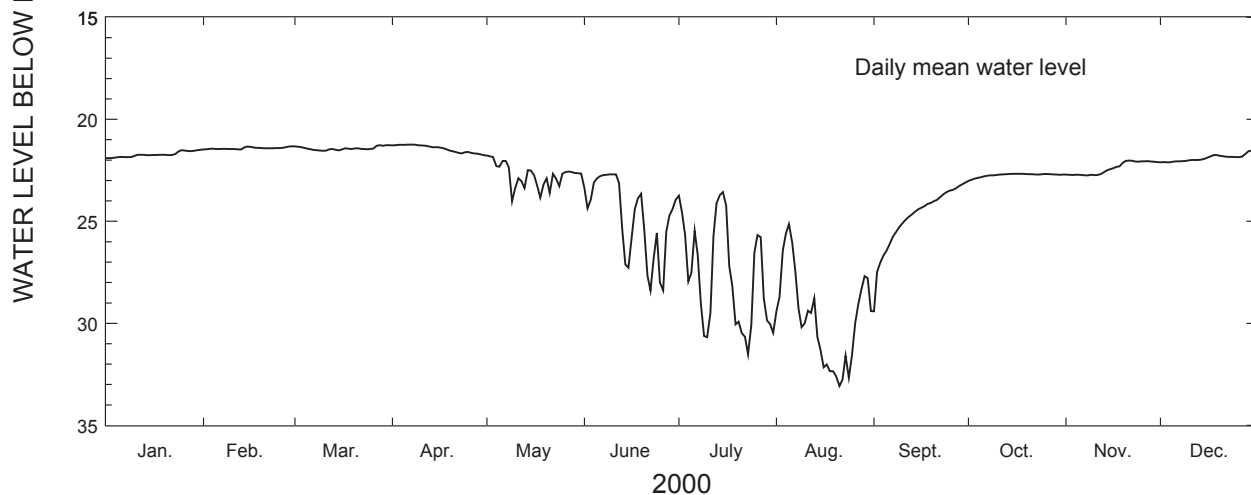
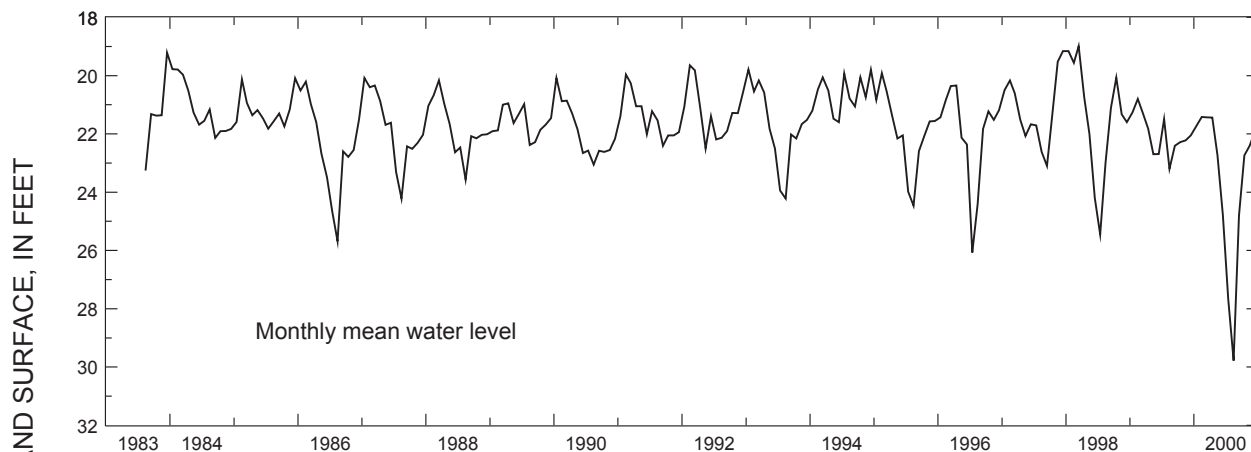
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 138.5 ft, cased to 55 ft, open hole.

DATUM.—Altitude of land-surface datum is 192 ft.

REMARKS.—None.

PERIOD OF RECORD.—August 1983 to current year. Continuous record since August 1983.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 16.75 ft below land-surface datum, December 10, 1983; lowest, 33.07 ft below land-surface datum, August 21, 2000.



| 2000             | JAN                         | FEB   | MAR   | APR   | MAY   | JUNE       | JULY  | AUG                       | SEPT  | OCT   | NOV   | DEC   |
|------------------|-----------------------------|-------|-------|-------|-------|------------|-------|---------------------------|-------|-------|-------|-------|
| HIGH             | 21.49                       | 21.32 | 21.27 | 21.24 | 21.78 | 22.70      | 23.56 | 25.14                     | 23.10 | 22.67 | 22.02 | 21.53 |
| MEAN             | 21.73                       | 21.42 | 21.43 | 21.44 | 22.74 | 24.78      | 27.67 | 29.78                     | 24.80 | 22.74 | 22.40 | 21.90 |
| LOW              | 21.91                       | 21.48 | 21.54 | 21.76 | 24.02 | 28.39      | 31.52 | 33.07                     | 29.41 | 23.02 | 22.75 | 22.11 |
| SUMMARY FOR 2000 | HIGH 21.24 (Apr. 6-8, 2000) |       |       |       |       | MEAN 23.58 |       | LOW 33.07 (Aug. 21, 2000) |       |       |       |       |

**IDENTIFICATION NUMBER.—11AA01.**

COUNTY.—Spalding

LOCATION.—Lat 33°15'54", long 84°16'56", Hydrologic Unit 03070103.

SITE NAME.—University of Georgia, Experiment Station.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Surficial (residuum).

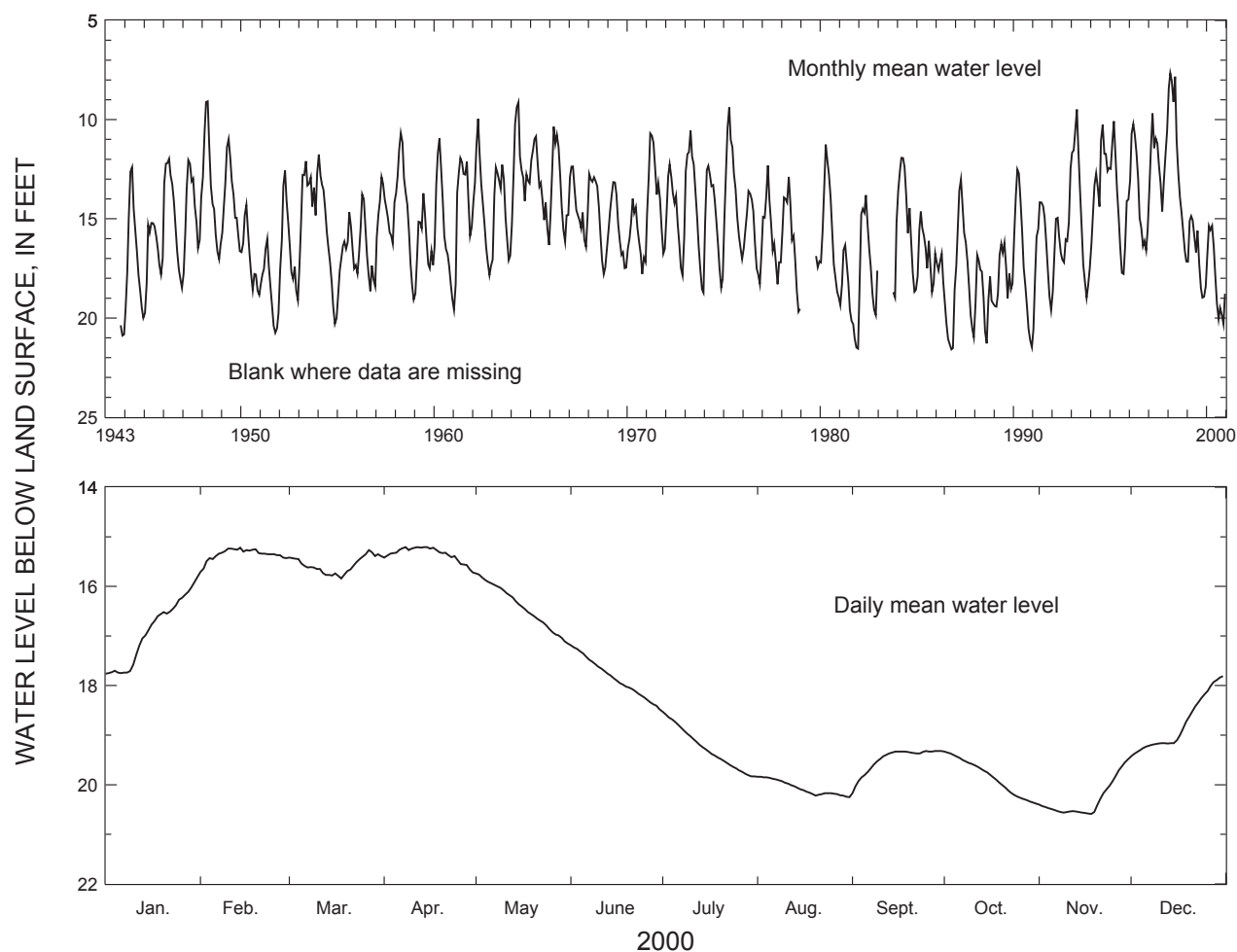
WELL CHARACTERISTICS.—Dug unused supply well, size 4 x 4 ft, depth 30 ft, cased to 30 ft, open end.

DATUM.—Altitude of land-surface datum is 950 ft.

REMARKS.—None.

PERIOD OF RECORD.—October 1943 to current year. Continuous record since October 1943.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 5.09 ft below land-surface datum, March 9, 1998;  
lowest, 21.82 ft below land-surface datum, November 18-19, 1986.



| 2000 | JAN   | FEB   | MAR   | APR   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| HIGH | 15.81 | 15.22 | 15.27 | 15.21 | 15.74 | 17.19 | 18.53 | 19.84 | 19.32 | 19.33 | 19.49 | 17.81 |
| MEAN | 16.91 | 15.35 | 15.57 | 15.35 | 16.41 | 17.84 | 19.27 | 20.06 | 19.49 | 19.84 | 20.30 | 18.78 |
| LOW  | 17.76 | 15.71 | 15.84 | 15.72 | 17.15 | 18.48 | 19.83 | 20.25 | 20.17 | 20.38 | 20.59 | 19.43 |

SUMMARY FOR 2000    HIGH 15.21 (Apr. 8, 12, 14-15, 2000)    MEAN 17.94    LOW 20.59 (Nov. 18, 2000)

**IDENTIFICATION NUMBER.—11FF04.**

COUNTY.—DeKalb

LOCATION.—Lat 33°55'17", long 84°16'40", Hydrologic Unit 03130001.

SITE NAME.—U.S. Geological Survey, test well 5.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Crystalline rock.

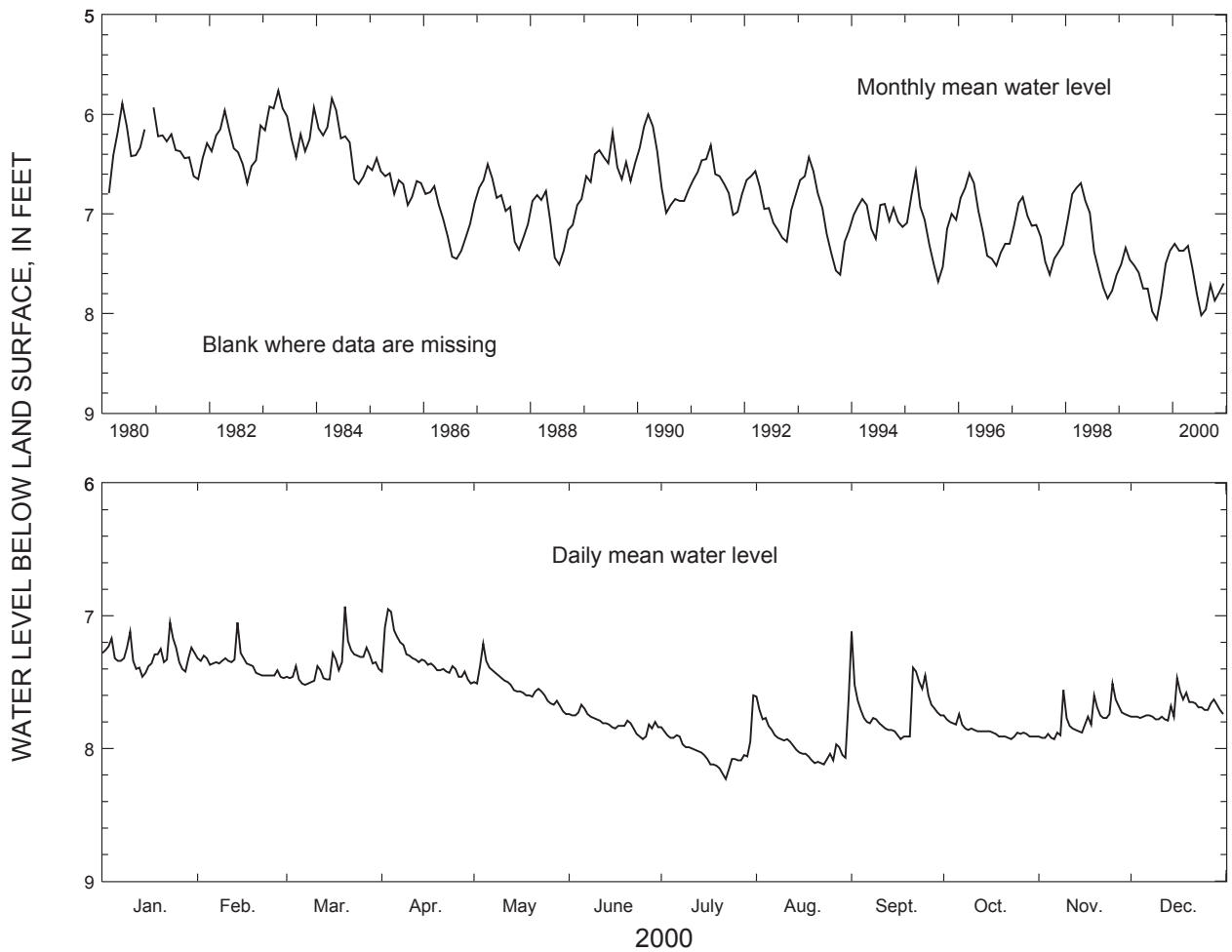
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 620 ft, cased to 36 ft, open hole.

DATUM.—Altitude of land-surface datum is 950 ft.

REMARKS.—None.

PERIOD OF RECORD.—February 1980 to current year. Continuous record since February 1980.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 4.98 ft below land-surface datum, March 17, 1990;  
lowest, 8.23 ft below land-surface datum, July 22, 2000.



| 2000             | JAN  | FEB  | MAR  | APR                  | MAY  | JUNE | JULY | AUG  | SEPT | OCT  | NOV                  | DEC  |
|------------------|------|------|------|----------------------|------|------|------|------|------|------|----------------------|------|
| HIGH             | 7.05 | 7.05 | 6.93 | 6.95                 | 7.21 | 7.67 | 7.60 | 7.61 | 7.12 | 7.74 | 7.51                 | 7.47 |
| MEAN             | 7.30 | 7.37 | 7.37 | 7.32                 | 7.54 | 7.81 | 8.02 | 7.96 | 7.71 | 7.87 | 7.79                 | 7.70 |
| LOW              | 7.46 | 7.47 | 7.52 | 7.51                 | 7.74 | 7.93 | 8.23 | 8.12 | 7.93 | 7.93 | 7.93                 | 7.79 |
| SUMMARY FOR 2000 |      |      | HIGH | 6.93 (Mar. 20, 2000) |      |      | MEAN | 7.65 |      | LOW  | 8.23 (July 22, 2000) |      |

**IDENTIFICATION NUMBER.—11J011.**

COUNTY.—Mitchell

LOCATION.—Lat 31°18'02", long 84°19'23", Hydrologic Unit 03130008.

SITE NAME.—U.S. Geological Survey, test well DP-10.

INSTRUMENTATION.—Electronic data recorder with GOES Satellite transmitter.

AQUIFER.—Claiborne.

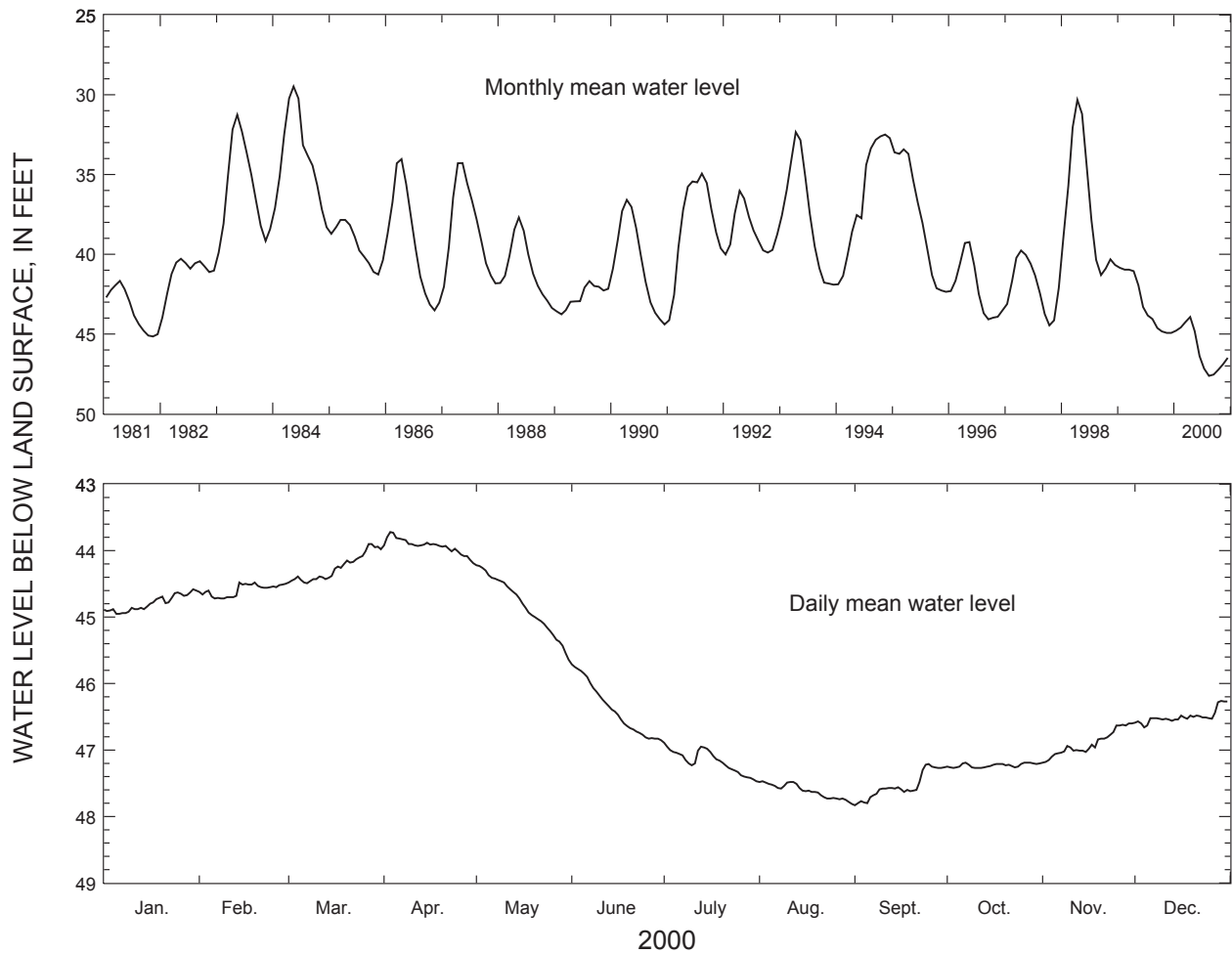
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 417 ft, cased to 397 ft, open hole.

DATUM.—Altitude of land-surface datum is 165 ft.

REMARKS.—None.

PERIOD OF RECORD.—January 1981 to current year. Continuous record since January 1981.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 29.13 ft below land-surface datum, May 8, 1984;  
lowest, 47.83 ft below land-surface datum, September 1, 2000.



| 2000             | JAN                       | FEB   | MAR   | APR        | MAY   | JUNE  | JULY                      | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------------------|---------------------------|-------|-------|------------|-------|-------|---------------------------|-------|-------|-------|-------|-------|
| HIGH             | 44.58                     | 44.48 | 43.90 | 43.72      | 44.22 | 45.71 | 46.89                     | 47.47 | 47.21 | 47.19 | 46.60 | 46.26 |
| MEAN             | 44.79                     | 44.59 | 44.26 | 43.93      | 44.82 | 46.39 | 47.17                     | 47.62 | 47.54 | 47.23 | 46.90 | 46.50 |
| LOW              | 44.95                     | 44.72 | 44.49 | 44.19      | 45.64 | 46.85 | 47.47                     | 47.81 | 47.83 | 47.27 | 47.19 | 46.66 |
| SUMMARY FOR 2000 | HIGH 43.72 (Apr. 3, 2000) |       |       | MEAN 45.98 |       |       | LOW 47.83 (Sept. 1, 2000) |       |       |       |       |       |

**IDENTIFICATION NUMBER.—11J012.**

COUNTY.—Mitchell

LOCATION.—Lat 31°18'02", long 84°19'23", Hydrologic Unit 03130008.

SITE NAME.—U.S. Geological Survey, test well DP-11.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

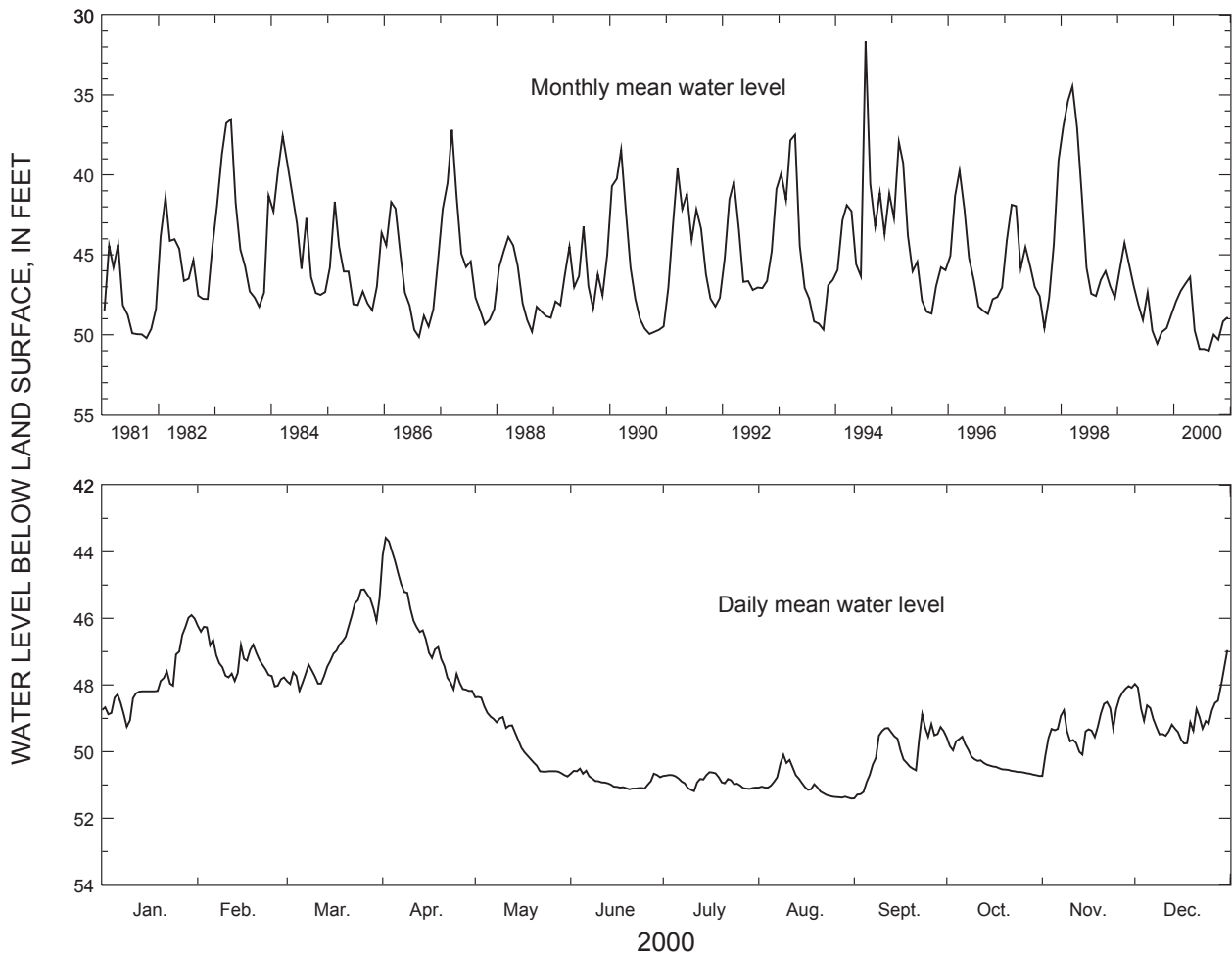
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 225 ft, cased to 62 ft, open hole.

DATUM.—Altitude of land-surface datum is 165 ft.

REMARKS.—None.

PERIOD OF RECORD.—January 1981 to current year. Continuous record since January 1981.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 12.01 ft below land-surface datum, July 14, 1994;  
lowest, 51.41 ft below land-surface datum, August 31, 2000.



| 2000             | JAN   | FEB   | MAR   | APR                  | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV                   | DEC   |
|------------------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|-------|-----------------------|-------|
| HIGH             | 45.90 | 46.22 | 45.13 | 43.58                | 48.36 | 50.51 | 50.62 | 50.10 | 48.88 | 49.55 | 48.03                 | 46.95 |
| MEAN             | 47.92 | 47.26 | 46.82 | 46.39                | 49.73 | 50.89 | 50.89 | 51.00 | 49.99 | 50.31 | 49.17                 | 48.91 |
| LOW              | 49.25 | 48.04 | 48.18 | 48.18                | 50.75 | 51.13 | 51.19 | 51.41 | 51.40 | 50.73 | 50.73                 | 49.76 |
| SUMMARY FOR 2000 |       |       | HIGH  | 43.58 (Apr. 2, 2000) |       |       | MEAN  | 49.12 |       | LOW   | 51.41 (Aug. 31, 2000) |       |

**IDENTIFICATION NUMBER.—11J013.**

COUNTY.—Mitchell

LOCATION.—Lat 31°18'02", long 84°19'23", Hydrologic Unit 03130008.

SITE NAME.—U.S. Geological Survey, test well DP-12.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Surficial (sediments of Eocene age).

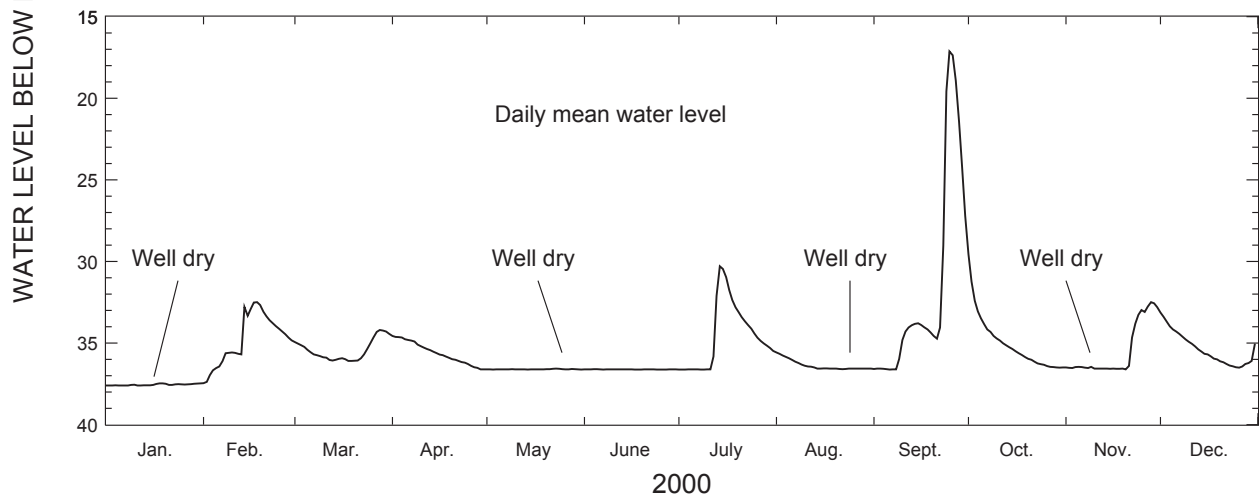
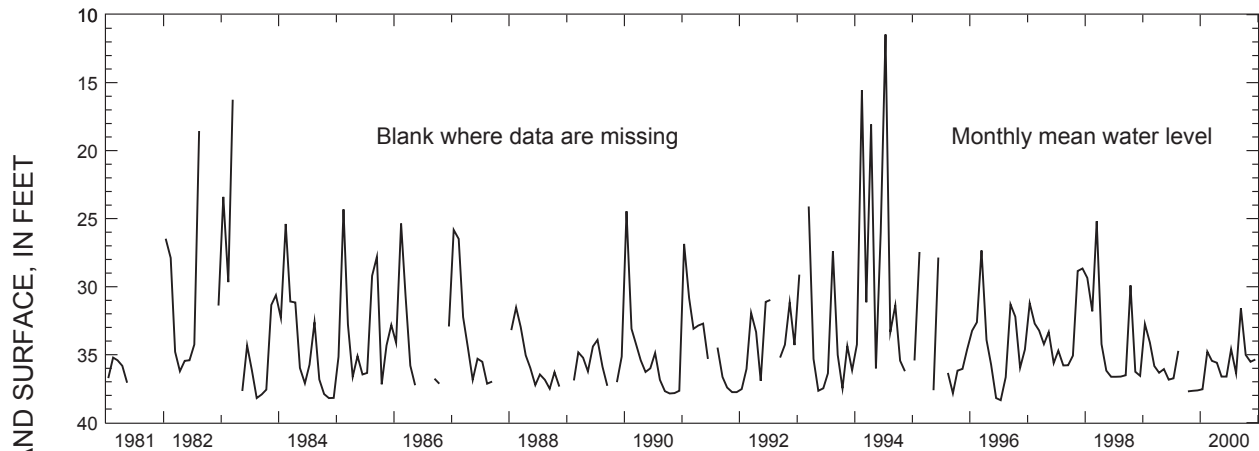
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 38 ft, cased to 21 ft, screen from 21 to 38 ft.

DATUM.—Altitude of land-surface datum is 165 ft.

REMARKS.—Well can go dry during periods of decreased rainfall.

PERIOD OF RECORD.—January 1981 to current year. Continuous record since January 1981.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 9.40 ft below land-surface datum, March 9, 1998;  
lowest, well goes dry.



| 2000 | JAN   | FEB   | MAR   | APR   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| HIGH | 37.47 | 32.49 | 34.20 | 34.56 | 36.57 | 36.60 | 30.30 | 35.58 | 17.13 | 29.55 | 32.49 | 33.13 |
| MEAN | 37.55 | 34.77 | 35.45 | 35.60 | 36.61 | 36.61 | 34.60 | 36.37 | 31.60 | 35.02 | 35.52 | 35.36 |
| LOW  | 37.60 | 37.46 | 36.10 | 36.61 | 36.62 | 36.62 | 36.62 | 36.60 | 36.62 | 36.51 | 36.61 | 36.51 |

SUMMARY FOR 2000 HIGH 17.13 (Sept. 25, 2000) MEAN ----- LOW 37.60 (Well dry)



**IDENTIFICATION NUMBER.—11K002.**

COUNTY.—Dougherty

LOCATION.—Lat 31°26'54", long 84°21'01", Hydrologic Unit 03130008.

SITE NAME.—U.S. Geological Survey, test well 11.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Claiborne.

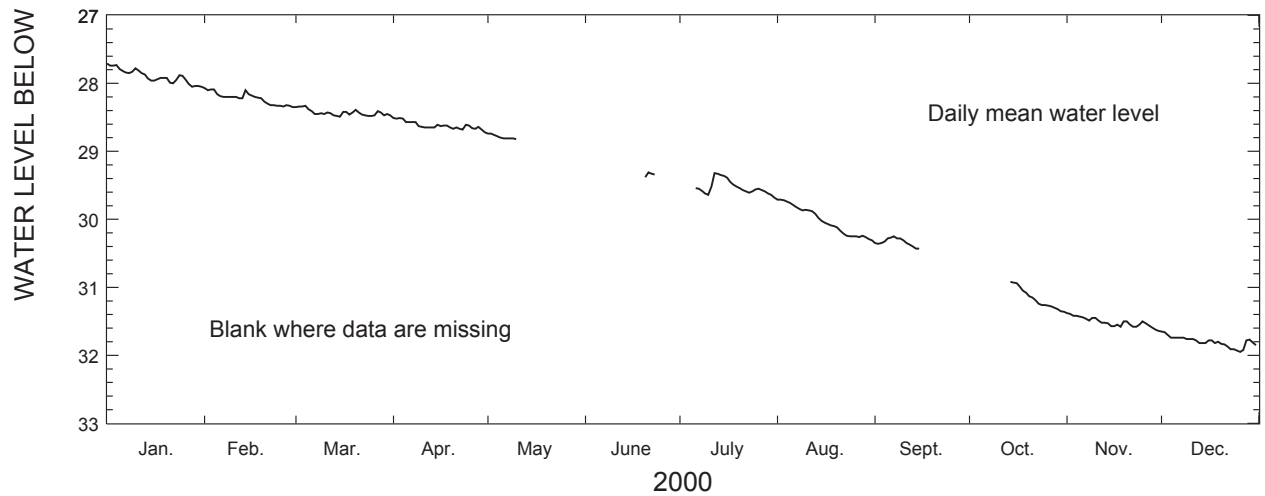
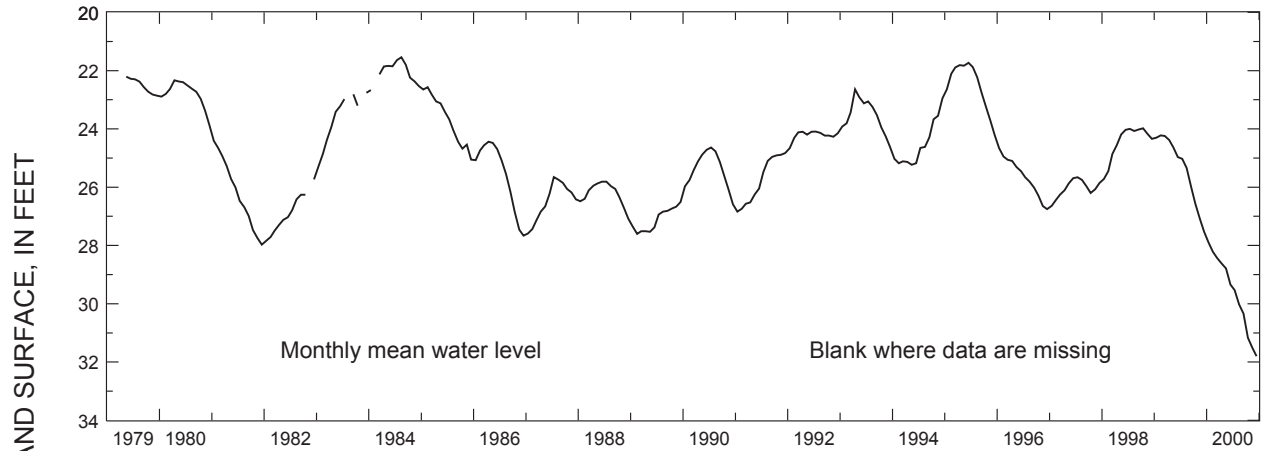
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 320 ft, cased to 300 ft, screen from 300 to 320 ft.

DATUM.—Altitude of land-surface datum is 183.5 ft.

REMARKS.—Water-level data for periods, May 11 to June 19, June 24 to July 5, and September 16 to October 13, 2000, are missing.

PERIOD OF RECORD.—May 1979 to current year. Continuous record since May 1979.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 21.57 ft below land-surface datum, June 6, 1995; lowest, 31.95 ft below land-surface datum, December 26, 2000.



| 2000             | JAN   | FEB   | MAR   | APR                  | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT                   | NOV   | DEC   |
|------------------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|-----------------------|-------|-------|
| HIGH             | 27.71 | 28.07 | 28.33 | 28.51                | ----- | ----- | 29.32 | 29.71 | ----- | -----                 | 31.38 | 31.65 |
| MEAN             | 27.90 | 28.22 | 28.43 | 28.62                | ----- | ----- | 29.53 | 30.02 | ----- | -----                 | 31.51 | 31.80 |
| LOW              | 28.05 | 28.35 | 28.49 | 28.72                | ----- | ----- | 29.68 | 30.31 | ----- | -----                 | 31.64 | 31.95 |
| SUMMARY FOR 2000 |       |       | HIGH  | 27.71 (Jan. 1, 2000) |       |       | MEAN  | ----- | LOW   | 31.95 (Dec. 26, 2000) |       |       |

**IDENTIFICATION NUMBER.—11K003.**

COUNTY.—Dougherty

LOCATION.—Lat 31°29'12", long 84°15'34", Hydrologic Unit 03130008.

SITE NAME.—Nilo test well, north.

INSTRUMENTATION.—Electronic data recorder with GOES Satellite transmitter.

AQUIFER.—Upper Floridan.

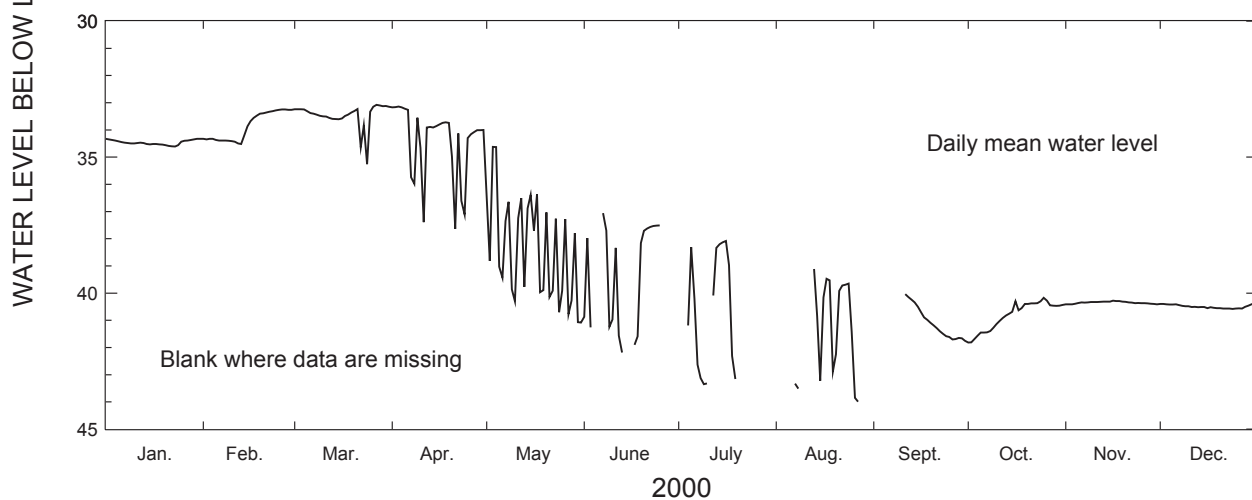
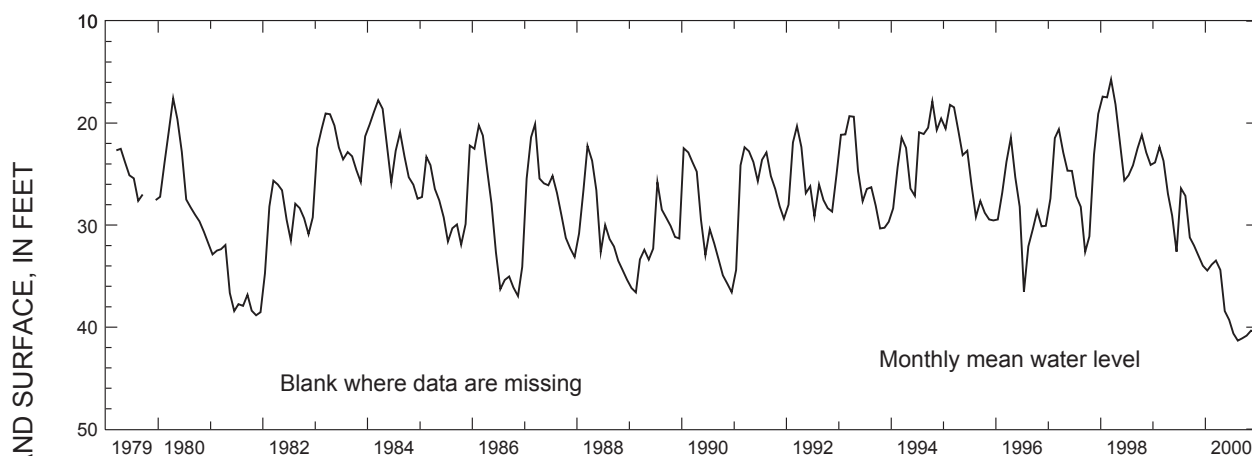
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 150 ft, cased to 63 ft, open hole.

DATUM.—Altitude of land-surface datum is 195 ft.

REMARKS.—Water-level data for periods, June 4-6, June 14-16, June 26 to July 3, July 11, July 20 to August 6, August 9-12, and August 28 to September 10, 2000, are missing.

PERIOD OF RECORD.—March 1979 to current year. Continuous record since March 1979.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 13.61 ft below land-surface datum, March 10, 1998;



| 2000             | JAN   | FEB   | MAR                   | APR   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV   | DEC   |                       |  |
|------------------|-------|-------|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------|--|
| HIGH             | 34.33 | 33.25 | 33.08                 | 33.14 | 34.62 | ----- | ----- | ----- | ----- | 40.17 | 40.28 | 40.37 |                       |  |
| MEAN             | 34.46 | 33.87 | 33.47                 | 34.40 | 38.42 | ----- | ----- | ----- | ----- | 40.83 | 40.35 | 40.49 |                       |  |
| LOW              | 34.61 | 34.52 | 35.26                 | 37.64 | 41.08 | ----- | ----- | ----- | ----- | 41.82 | 40.41 | 40.58 |                       |  |
| SUMMARY FOR 2000 | HIGH  |       | 33.08 (Mar. 27, 2000) |       |       | MEAN  |       | ----- |       | LOW   |       |       | 43.99 (Aug. 27, 2000) |  |

**IDENTIFICATION NUMBER.—11K005.**

COUNTY.—Dougherty

LOCATION.—Lat 31°26'54", long 84°21'01", Hydrologic Unit 03130008.

SITE NAME.—U.S. Geological Survey, test well 12.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Clayton.

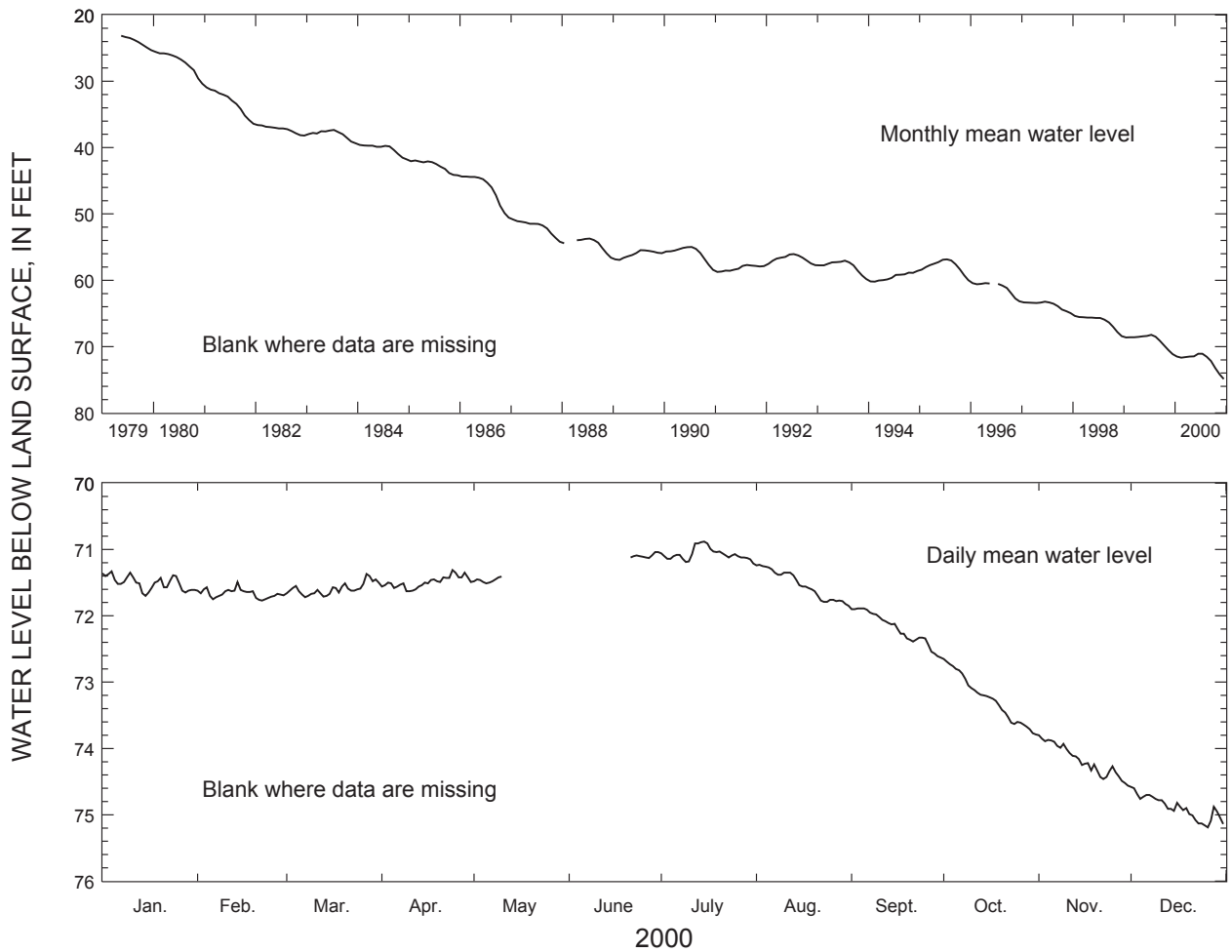
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 690 ft, cased to 630 ft, open hole.

DATUM.—Altitude of land-surface datum is 183 ft.

REMARKS.—Water-level data for period, May 11 to June 20, 2000, are missing.

PERIOD OF RECORD.—May 1979 to current year. Continuous record since May 1979.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 23.03 ft below land-surface datum, May 24, 1979;  
lowest, 75.19 ft below land-surface datum, December 26, 2000.



| 2000             | JAN   | FEB   | MAR   | APR                   | MAY   | JUNE  | JULY  | AUG   | SEPT                      | OCT   | NOV   | DEC   |
|------------------|-------|-------|-------|-----------------------|-------|-------|-------|-------|---------------------------|-------|-------|-------|
| HIGH             | 71.33 | 71.49 | 71.37 | 71.31                 | ----- | ----- | 70.88 | 71.23 | 71.89                     | 72.65 | 73.80 | 74.58 |
| MEAN             | 71.51 | 71.67 | 71.59 | 71.49                 | ----- | ----- | 71.07 | 71.54 | 72.19                     | 73.25 | 74.18 | 74.89 |
| LOW              | 71.70 | 71.77 | 71.72 | 71.63                 | ----- | ----- | 71.21 | 71.85 | 72.63                     | 73.79 | 74.56 | 75.19 |
| SUMMARY FOR 2000 |       |       | HIGH  | 70.88 (July 15, 2000) |       |       | MEAN  | ----- | LOW 75.19 (Dec. 26, 2000) |       |       |       |

**IDENTIFICATION NUMBER.—11K015.**

COUNTY.—Dougherty

LOCATION.—Lat 31°27'09", long 84°16'17", Hydrologic Unit 03130008.

SITE NAME.—U.S. Geological Survey, test well 14.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

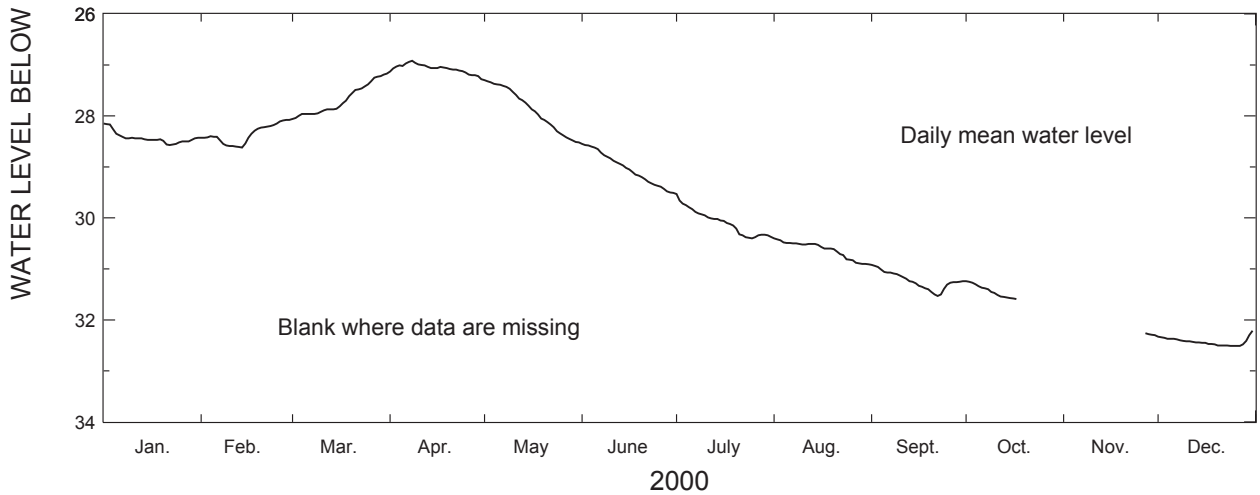
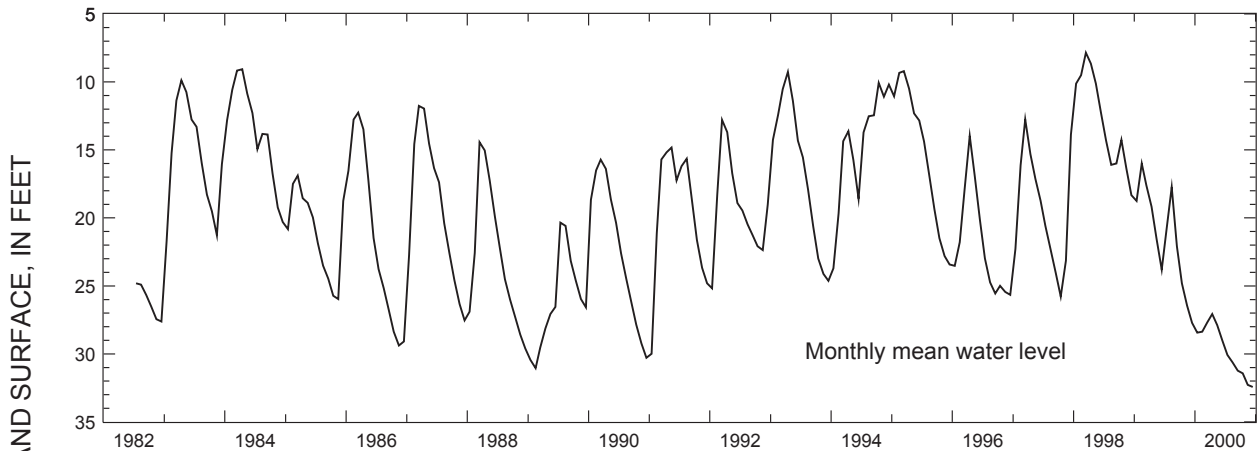
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 117 ft, cased to 74 ft, open hole.

DATUM.—Altitude of land-surface datum is 175 ft.

REMARKS.—Water-level data for period, October 18 to November 26, 2000, are missing.

PERIOD OF RECORD.—July 1982 to current year. Continuous record since July 1982.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 6.84 ft below land-surface datum, March 9-11, 1998; lowest, 32.51 ft below land-surface datum, December 24-27, 2000.



| 2000 | JAN   | FEB   | MAR   | APR   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| HIGH | 28.15 | 28.08 | 27.17 | 26.92 | 27.30 | 28.55 | 29.53 | 30.40 | 30.92 | ----- | ----- | 32.21 |
| MEAN | 28.43 | 28.36 | 27.68 | 27.07 | 27.88 | 29.03 | 30.08 | 30.62 | 31.23 | ----- | ----- | 32.43 |
| LOW  | 28.57 | 28.62 | 28.06 | 27.28 | 28.52 | 29.51 | 30.40 | 30.91 | 31.53 | ----- | ----- | 32.51 |

SUMMARY FOR 2000      HIGH 26.92 (Apr. 8, 2000)      MEAN -----      LOW 32.51 (Dec. 24-27, 2000)

**IDENTIFICATION NUMBER.—11L001.**

COUNTY.—Dougherty

LOCATION.—Lat 31°35'30", long 84°20'34", Hydrologic Unit 03130008.

SITE NAME.—U.S. Geological Survey, test well 4.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Claiborne.

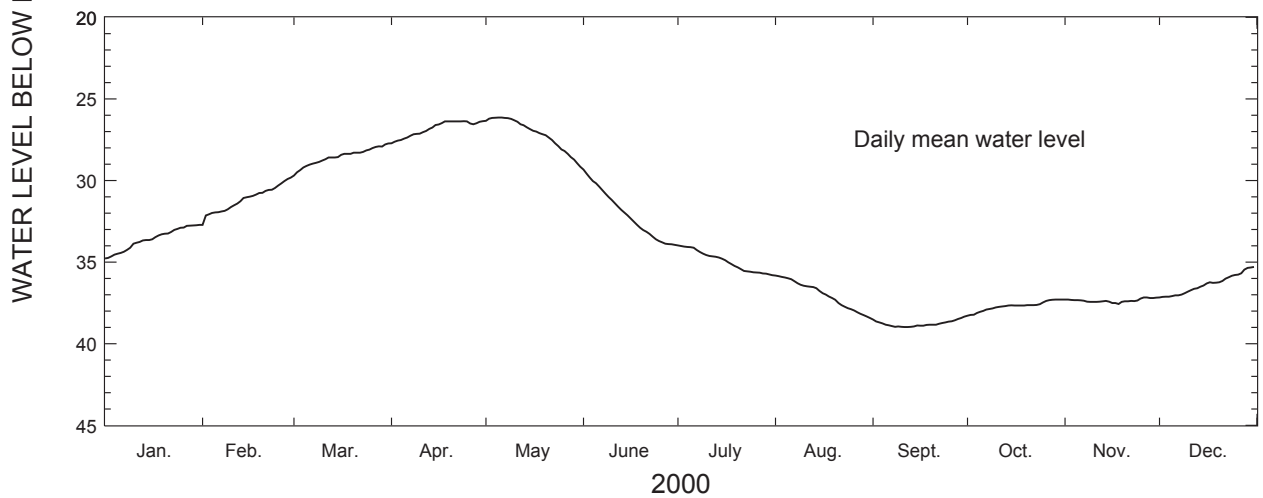
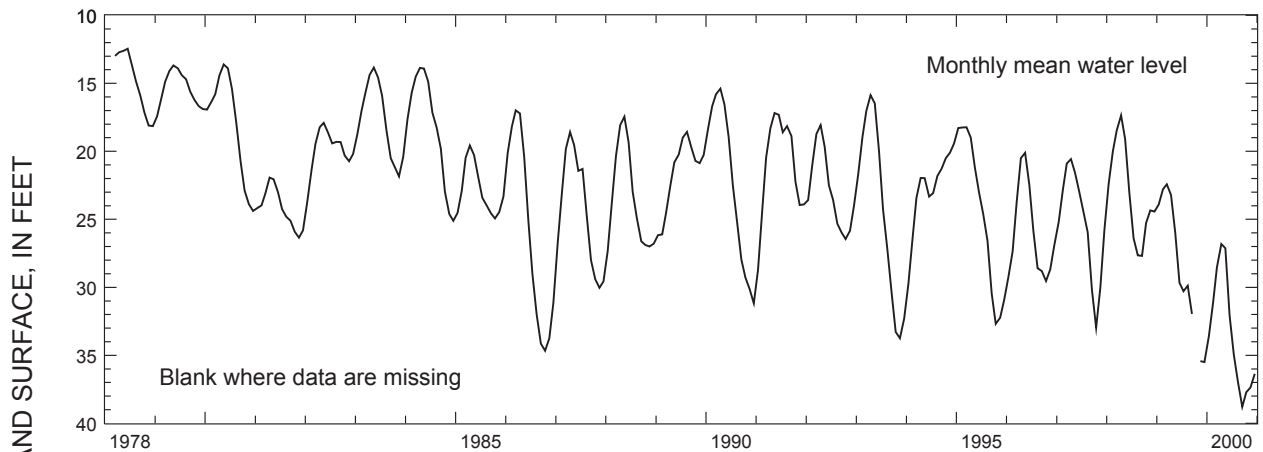
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 251 ft, cased to 233 ft, screen from 233 to 251 ft.

DATUM.—Altitude of land-surface datum is 220 ft.

REMARKS.—None.

PERIOD OF RECORD.—March 1978 to current year. Continuous record since March 1978.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 12.11 ft below land-surface datum, June 5-6, 1978; lowest, 38.98 ft below land-surface datum, September 11-12, 2000.



| 2000             | JAN   | FEB                        | MAR   | APR   | MAY   | JUNE       | JULY  | AUG                           | SEPT  | OCT   | NOV   | DEC   |
|------------------|-------|----------------------------|-------|-------|-------|------------|-------|-------------------------------|-------|-------|-------|-------|
| HIGH             | 32.72 | 29.82                      | 27.73 | 26.37 | 26.14 | 29.33      | 33.98 | 35.82                         | 38.34 | 37.30 | 37.17 | 35.30 |
| MEAN             | 33.60 | 31.14                      | 28.54 | 26.82 | 27.13 | 32.06      | 34.94 | 37.00                         | 38.78 | 37.71 | 37.36 | 36.36 |
| LOW              | 34.78 | 32.72                      | 29.69 | 27.72 | 29.15 | 33.94      | 35.80 | 38.42                         | 38.98 | 38.28 | 37.56 | 37.17 |
| SUMMARY FOR 2000 |       | HIGH 26.14 (May 5-6, 2000) |       |       |       | MEAN 33.46 |       | LOW 38.98 (Sept. 11-12, 2000) |       |       |       |       |

**IDENTIFICATION NUMBER.—11L002.**

COUNTY.—Dougherty

LOCATION.—Lat 31°35'32", long 84°20'35", Hydrologic Unit 03130008.

SITE NAME.—Georgia Geologic Survey, Albany Nursery.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Clayton.

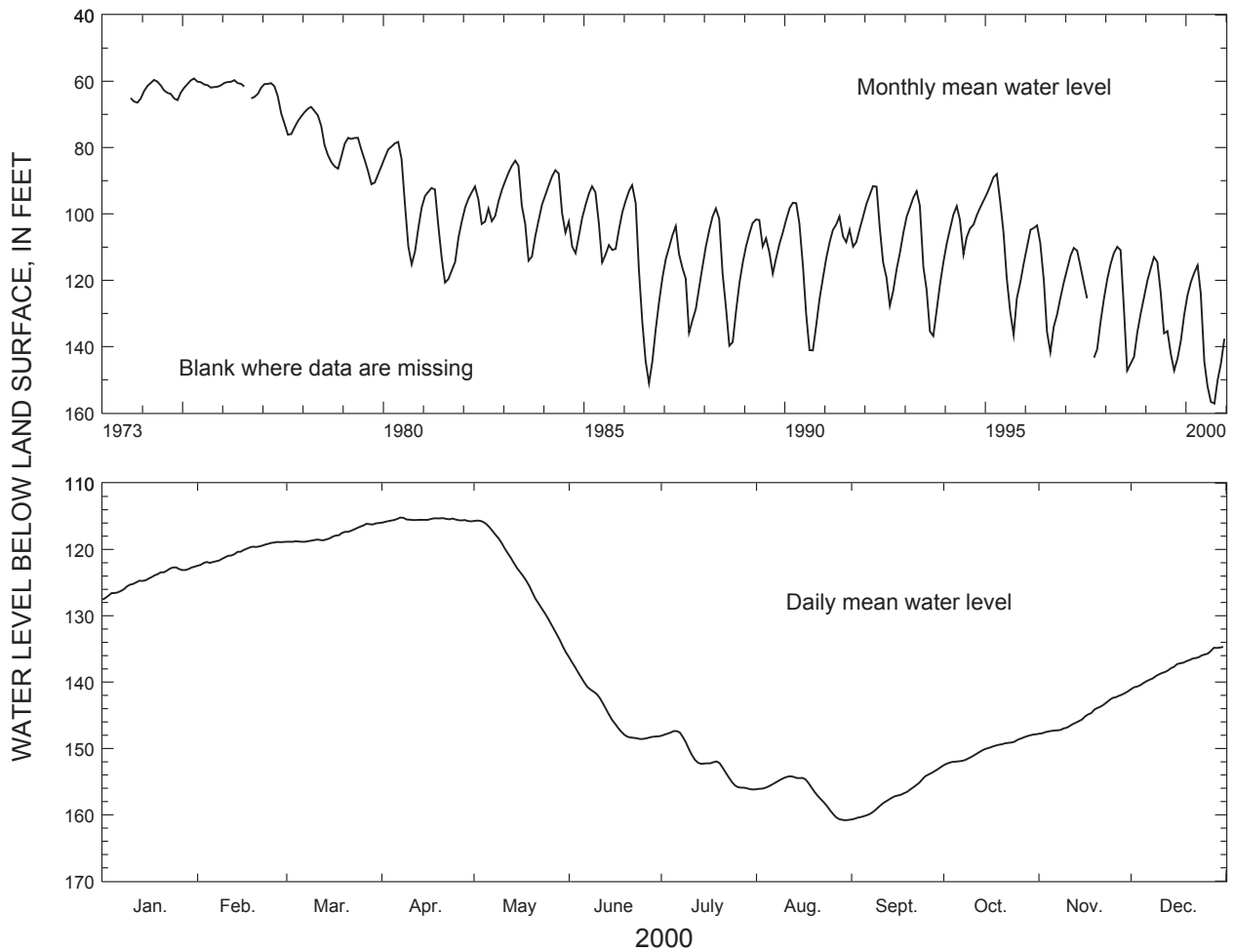
WELL CHARACTERISTICS.—Drilled observation well, diameter 3 in., depth 656 ft, cased to 542 ft, open hole.

DATUM.—Altitude of land-surface datum is 222 ft.

REMARKS.—None.

PERIOD OF RECORD.—September 1973 to current year. Continuous record since September 1973.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 58.90 ft below land-surface datum, April 29, 1975;  
lowest, 160.82 ft below land-surface datum, August 30, 2000.



| 2000             | JAN                        | FEB    | MAR    | APR    | MAY    | JUNE        | JULY   | AUG                        | SEPT   | OCT    | NOV    | DEC    |
|------------------|----------------------------|--------|--------|--------|--------|-------------|--------|----------------------------|--------|--------|--------|--------|
| HIGH             | 122.58                     | 118.87 | 116.01 | 115.20 | 115.64 | 136.30      | 147.37 | 154.18                     | 152.82 | 147.85 | 141.39 | 134.68 |
| MEAN             | 124.54                     | 120.44 | 117.76 | 115.51 | 123.96 | 144.51      | 151.90 | 156.69                     | 157.15 | 150.11 | 145.05 | 137.65 |
| LOW              | 127.55                     | 122.45 | 118.85 | 115.97 | 135.53 | 148.58      | 156.18 | 160.82                     | 160.71 | 152.52 | 147.77 | 141.07 |
| SUMMARY FOR 2000 | HIGH 115.20 (Apr. 7, 2000) |        |        |        |        | MEAN 137.16 |        | LOW 160.82 (Aug. 30, 2000) |        |        |        |        |

**IDENTIFICATION NUMBER.—11P014.**

COUNTY.—Lee

LOCATION.—Lat 31°53'51", long 84°19'24", Hydrologic Unit 03130007.

SITE NAME.—Pete Long, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Clayton.

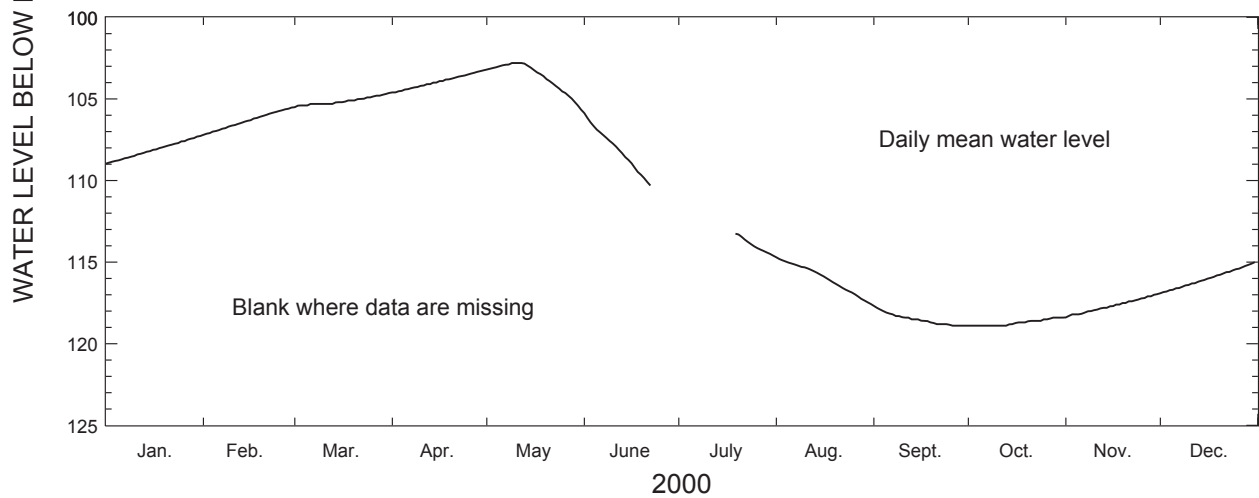
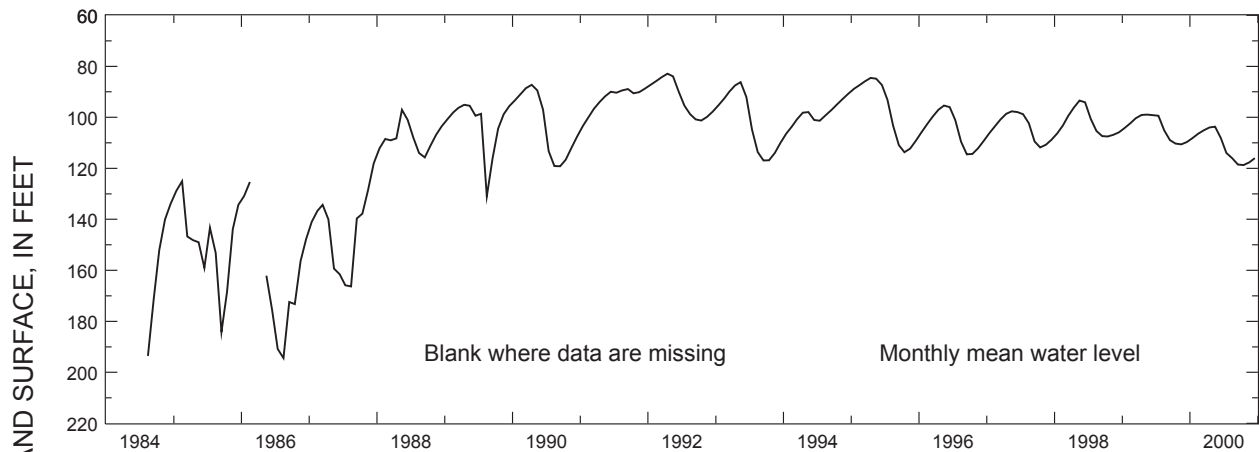
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 384 ft, cased to 332 ft, open hole.

DATUM.—Altitude of land-surface datum is 338 ft.

REMARKS.—Water-level data for period, June 23 to July 18, 2000, are missing.

PERIOD OF RECORD.—August 1984 to current year. Continuous record since August 1984.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 82.38 ft below land-surface datum, May 2-3, 1992;  
lowest, 212.89 ft below land-surface datum, August 9, 1986.



| 2000 | JAN    | FEB    | MAR    | APR    | MAY    | JUNE  | JULY  | AUG    | SEPT   | OCT    | NOV    | DEC    |
|------|--------|--------|--------|--------|--------|-------|-------|--------|--------|--------|--------|--------|
| HIGH | 107.27 | 105.53 | 104.64 | 103.25 | 102.80 | ----- | ----- | 114.71 | 117.68 | 118.40 | 116.97 | 115.00 |
| MEAN | 108.13 | 106.35 | 105.13 | 103.95 | 103.66 | ----- | ----- | 116.00 | 118.50 | 118.72 | 117.68 | 116.00 |
| LOW  | 108.96 | 107.20 | 105.50 | 104.60 | 105.66 | ----- | ----- | 117.57 | 118.90 | 118.90 | 118.39 | 116.90 |

SUMMARY FOR 2000 HIGH 102.80 (May 9-12, 2000) MEAN ----- LOW 118.90 (Sept. 26 to Oct. 13, 2000)

**IDENTIFICATION NUMBER.—11P015.**

COUNTY.—Lee

LOCATION.—Lat 31°53'50", long 84°19'21", Hydrologic Unit 03130007.

SITE NAME.—Pete Long, test well 2.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Claiborne.

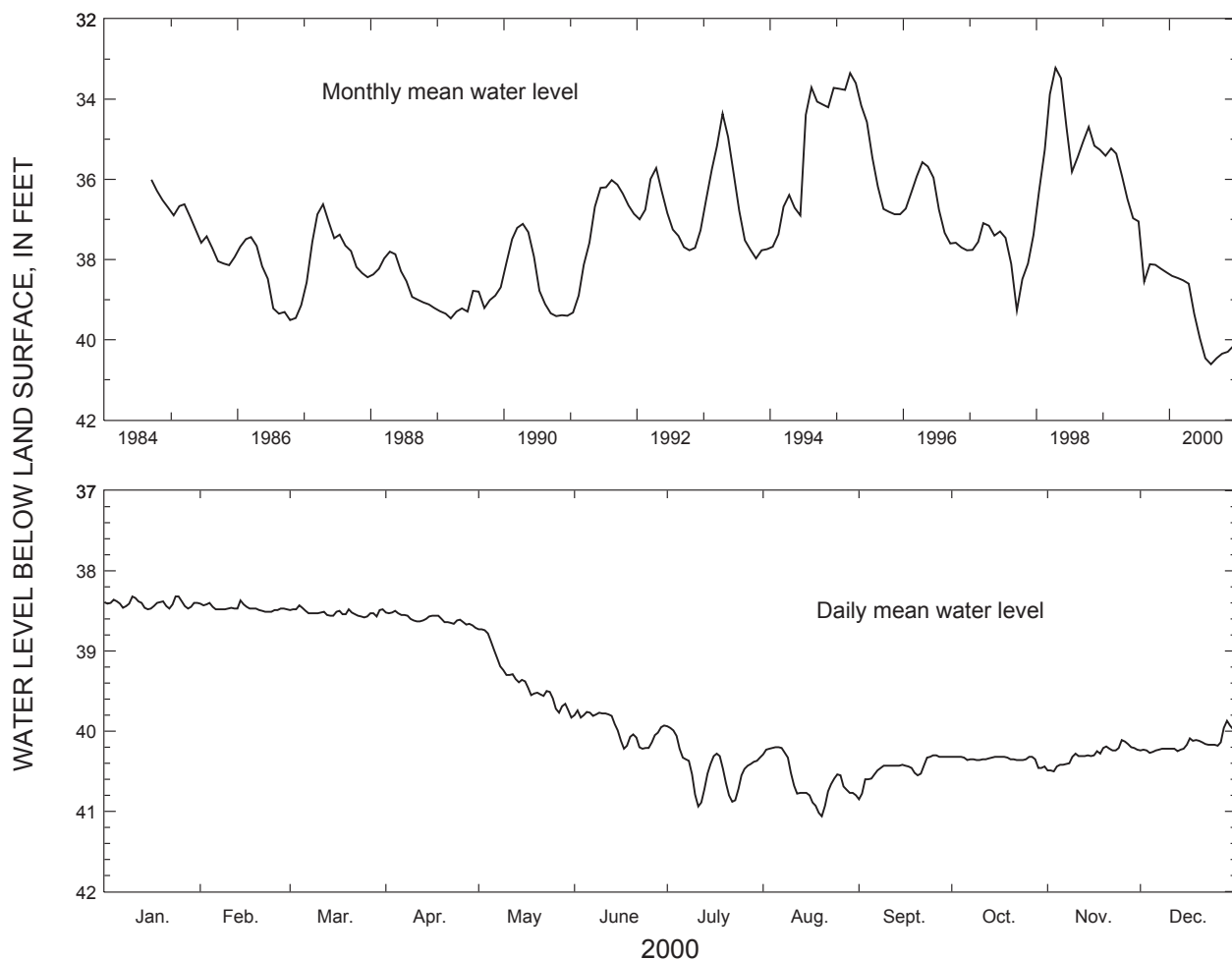
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 151 ft, cased to 111 ft, open hole.

DATUM.—Altitude of land-surface datum is 338 ft.

REMARKS.—None.

PERIOD OF RECORD.—September 1984 to current year. Continuous record since September 1984.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 32.98 ft below land-surface datum, May 8, 1998;  
lowest, 41.06 ft below land-surface datum, August 20, 2000.



| 2000 | JAN   | FEB   | MAR   | APR   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| HIGH | 38.32 | 38.37 | 38.43 | 38.50 | 38.73 | 39.74 | 39.94 | 40.20 | 40.30 | 40.32 | 40.11 | 39.87 |
| MEAN | 38.41 | 38.46 | 38.52 | 38.60 | 39.35 | 39.96 | 40.46 | 40.61 | 40.46 | 40.35 | 40.30 | 40.16 |
| LOW  | 38.48 | 38.51 | 38.58 | 38.71 | 39.83 | 40.22 | 40.94 | 41.06 | 40.85 | 40.46 | 40.50 | 40.27 |

SUMMARY FOR 2000 HIGH 38.32 (Jan. 10 and 24-25, 2000) MEAN 39.64 LOW 41.06 (Aug. 20, 2000)



**IDENTIFICATION NUMBER.—12F036.**

COUNTY.—Grady

LOCATION.—Lat 30°52'35", long 84°12'51", Hydrologic Unit 03120002.

SITE NAME.—U.S. Geological Survey, Cairo.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Floridan.

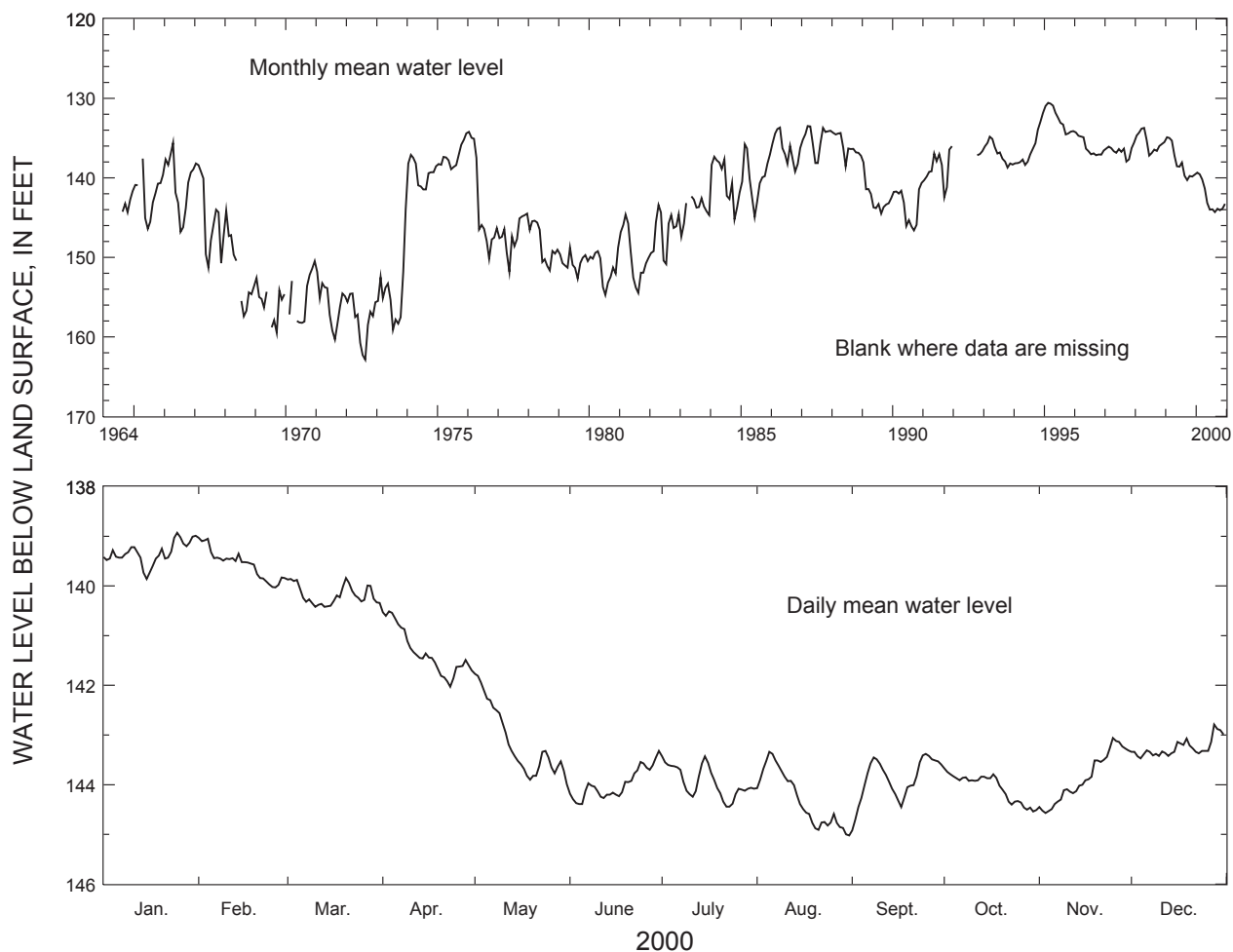
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 467 ft, cased to 458 ft, open hole.

DATUM.—Altitude of land-surface datum is 204.55 ft.

REMARKS.—Well was back filled from 971 ft to 467 ft.

PERIOD OF RECORD.—August 1964 to current year. Continuous record since August 1964.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 130.14 ft below land-surface datum, February 20, 1995;  
lowest, 166.55 ft below land-surface datum, August 22, 1972.



| 2000             | JAN    | FEB    | MAR                         | APR    | MAY    | JUNE   | JULY        | AUG    | SEPT                       | OCT    | NOV    | DEC    |
|------------------|--------|--------|-----------------------------|--------|--------|--------|-------------|--------|----------------------------|--------|--------|--------|
| HIGH             | 138.93 | 139.03 | 139.84                      | 140.51 | 141.77 | 143.32 | 143.43      | 143.34 | 143.38                     | 143.67 | 143.06 | 142.79 |
| MEAN             | 139.34 | 139.56 | 140.18                      | 141.33 | 143.15 | 143.99 | 143.95      | 144.30 | 143.89                     | 144.06 | 143.86 | 143.26 |
| LOW              | 139.86 | 140.03 | 140.42                      | 142.03 | 143.99 | 144.39 | 144.44      | 145.02 | 144.92                     | 144.54 | 144.57 | 143.47 |
| SUMMARY FOR 2000 |        |        | HIGH 138.93 (Jan. 25, 2000) |        |        |        | MEAN 142.58 |        | LOW 145.02 (Aug. 31, 2000) |        |        |        |

**IDENTIFICATION NUMBER.—12JJ04.**

COUNTY.—Dawson

LOCATION.—Lat 34°21'27", long 84°08'34", Hydrologic Unit 03150104.

SITE NAME.—U.S. Geological Survey, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Crystalline rock.

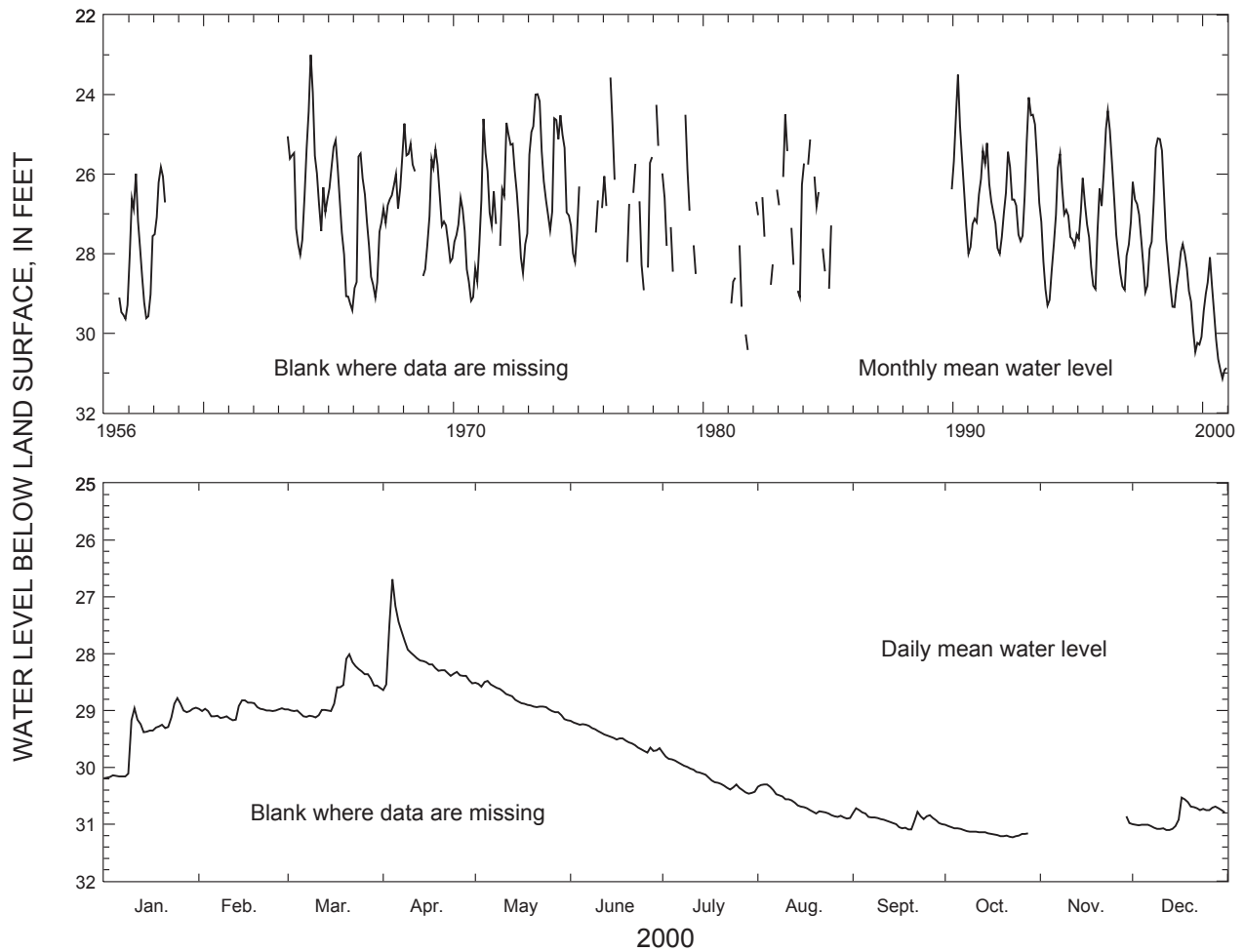
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 399 ft, cased to 80 ft, open hole.

DATUM.—Altitude of land-surface datum is 1,040 ft.

REMARKS.—Water-level data for period, October 29 to November 28, 2000, are missing.

PERIOD OF RECORD.—August 1956 to current year. Continuous record August 1956 to June 1958, May 1963 to January 1975, and since December 1989.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 19.29 ft below land-surface datum, April 8, 1964; lowest, 31.23 ft below land-surface datum, October 23, 2000.



| 2000             | JAN   | FEB   | MAR   | APR                  | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV                   | DEC   |
|------------------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|-------|-----------------------|-------|
| HIGH             | 28.78 | 28.82 | 28.01 | 26.69                | 28.48 | 29.18 | 29.74 | 30.30 | 30.72 | 31.01 | -----                 | 30.53 |
| MEAN             | 29.43 | 29.00 | 28.72 | 28.09                | 28.81 | 29.47 | 30.16 | 30.65 | 30.92 | 31.14 | -----                 | 30.87 |
| LOW              | 30.19 | 29.17 | 29.12 | 28.64                | 29.17 | 29.74 | 30.46 | 30.90 | 31.09 | 31.23 | -----                 | 31.10 |
| SUMMARY FOR 2000 |       |       | HIGH  | 26.69 (Apr. 4, 2000) |       |       | MEAN  | 29.75 |       | LOW   | 31.23 (Oct. 23, 2000) |       |

**IDENTIFICATION NUMBER.—12K014.**

COUNTY.—Baker

LOCATION.—Lat 31°26'11", long 84°11'05", Hydrologic Unit 03130008.

SITE NAME.—Blue Springs, observation well.

INSTRUMENTATION.—Electronic data recorder with GOES Satellite transmitter.

AQUIFER.—Upper Floridan.

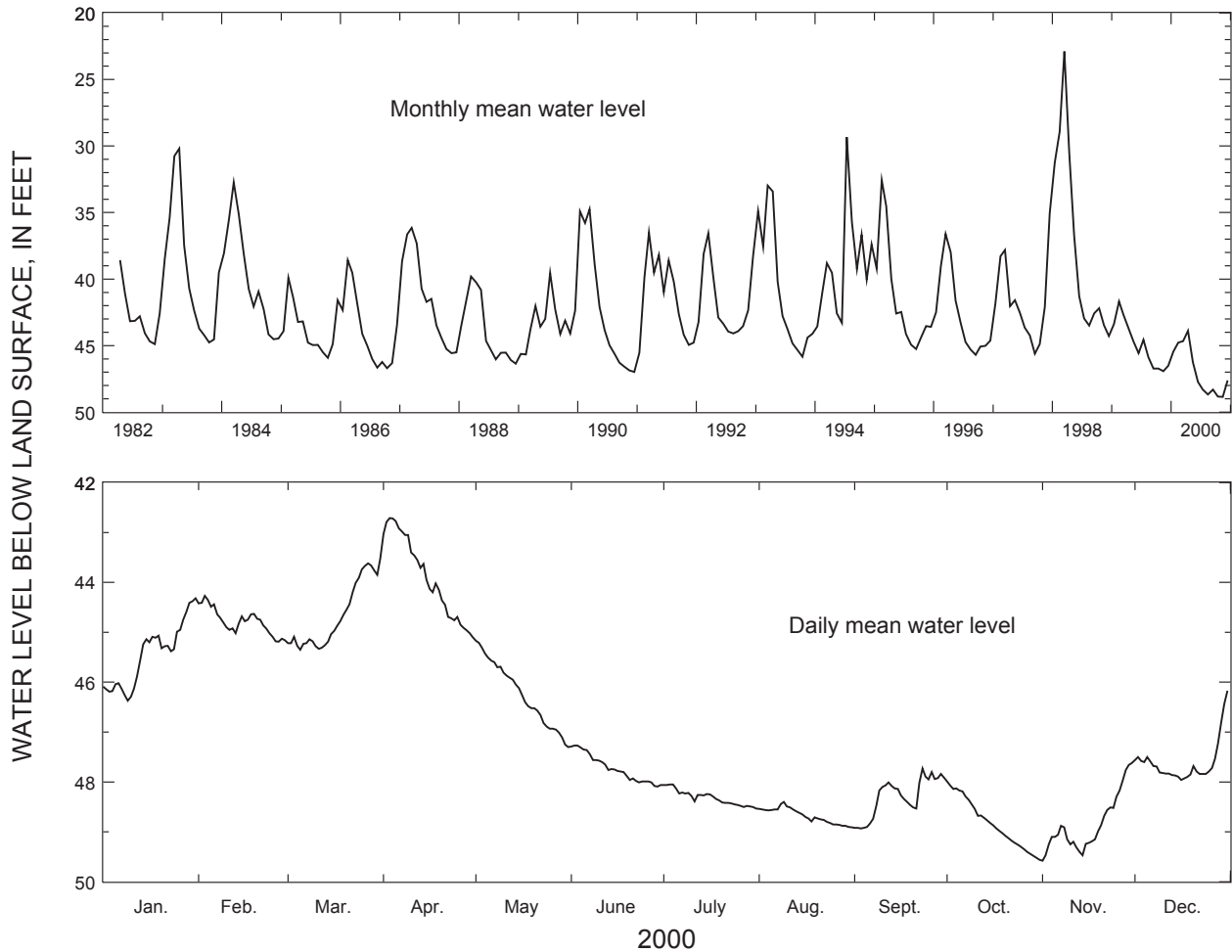
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 137 ft, cased to 69 ft, open hole.

DATUM.—Altitude of land-surface datum is 178 ft.

REMARKS.—None.

PERIOD OF RECORD.—April 1982 to current year. Continuous record since April 1982.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 16.07 ft below land-surface datum, March 14, 1998;  
lowest, 49.58 ft below land-surface datum, November 1, 2000.



| 2000             | JAN   | FEB   | MAR   | APR                  | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV                  | DEC   |
|------------------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|-------|----------------------|-------|
| HIGH             | 44.32 | 44.27 | 43.52 | 42.71                | 45.17 | 47.27 | 48.05 | 48.40 | 47.73 | 47.99 | 47.62                | 46.17 |
| MEAN             | 45.46 | 44.78 | 44.66 | 43.89                | 46.24 | 47.73 | 48.31 | 48.68 | 48.29 | 48.83 | 48.85                | 47.61 |
| LOW              | 46.37 | 45.19 | 45.35 | 45.10                | 47.30 | 48.09 | 48.53 | 48.91 | 48.93 | 49.56 | 49.58                | 47.96 |
| SUMMARY FOR 2000 |       |       | HIGH  | 42.71 (Apr. 3, 2000) |       |       | MEAN  | 46.95 |       | LOW   | 49.58 (Nov. 1, 2000) |       |

**IDENTIFICATION NUMBER.—12L019.**

COUNTY.—Dougherty

LOCATION.—Lat 31°35'36", long 84°10'30", Hydrologic Unit 03130008.

SITE NAME.—U.S. Geological Survey, test well 5.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Claiborne.

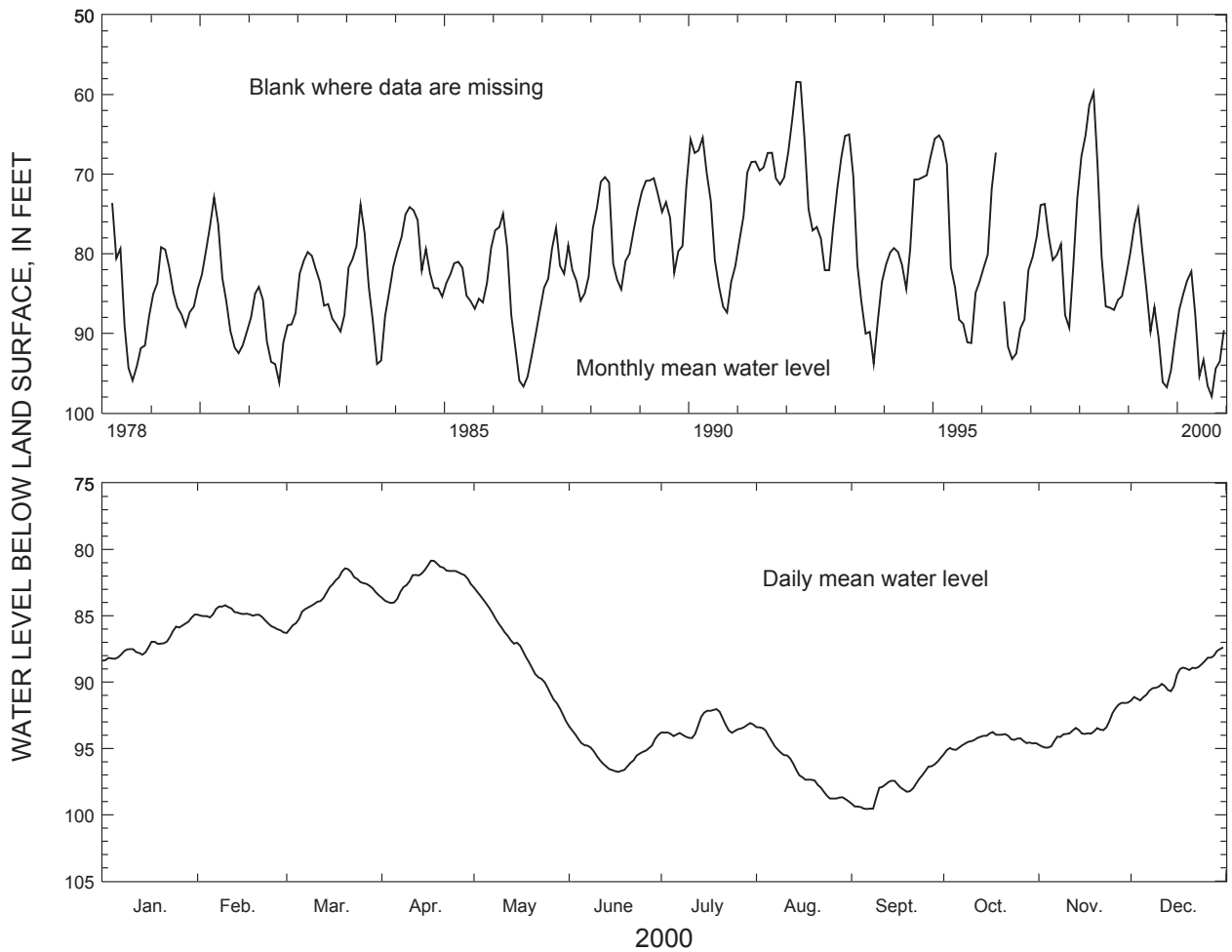
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 257 ft, cased to 241 ft, screen from 241 to 257 ft.

DATUM.—Altitude of land-surface datum is 198 ft.

REMARKS.—None.

PERIOD OF RECORD.—March 1978 to current year. Continuous record since March 1978.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 57.31 ft below land-surface datum, April 7, 1992; lowest, 99.57 ft below land-surface datum, September 6, 2000.



| 2000             | JAN                        | FEB   | MAR   | APR        | MAY   | JUNE  | JULY                      | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------------------|----------------------------|-------|-------|------------|-------|-------|---------------------------|-------|-------|-------|-------|-------|
| HIGH             | 84.91                      | 84.21 | 81.43 | 80.84      | 82.88 | 93.34 | 92.04                     | 93.40 | 95.73 | 93.76 | 91.55 | 87.38 |
| MEAN             | 87.09                      | 85.03 | 83.41 | 82.23      | 87.68 | 95.37 | 93.34                     | 96.61 | 97.93 | 94.42 | 93.54 | 89.59 |
| LOW              | 88.39                      | 86.25 | 86.29 | 84.04      | 92.94 | 96.77 | 94.21                     | 98.98 | 99.57 | 95.44 | 94.94 | 91.39 |
| SUMMARY FOR 2000 | HIGH 80.84 (Apr. 17, 2000) |       |       | MEAN 90.53 |       |       | LOW 99.57 (Sept. 6, 2000) |       |       |       |       |       |

**IDENTIFICATION NUMBER.—12L020.**

COUNTY.—Dougherty

LOCATION.—Lat 31°35'34", long 84°10'30", Hydrologic Unit 03130008.

SITE NAME.—U.S. Geological Survey, test well 6.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Clayton.

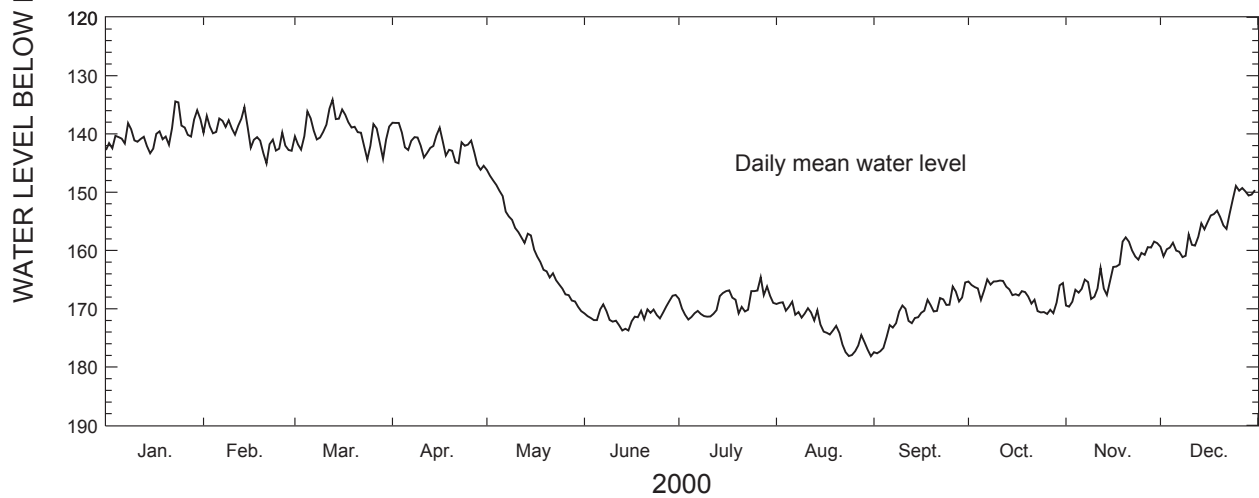
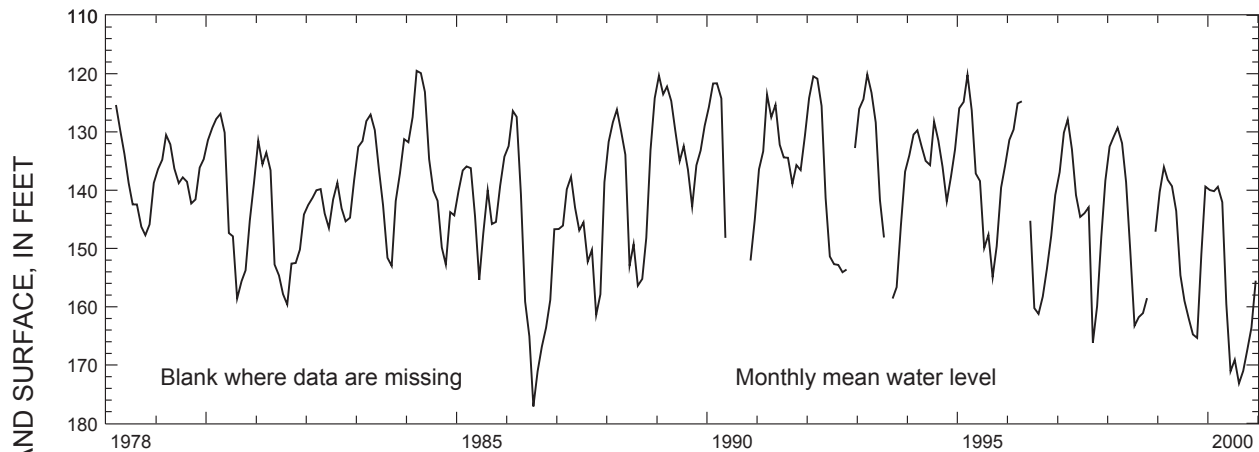
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 690 ft, cased to 619 ft, open hole.

DATUM.—Altitude of land-surface datum is 195 ft.

REMARKS.—None.

PERIOD OF RECORD.—March 1978 to current year. Continuous record since March 1978.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 115.60 ft below land-surface datum, March 21, 1995;  
lowest, 180.74 ft below land-surface datum, July 23, 1986.



| 2000             | JAN    | FEB    | MAR    | APR                    | MAY    | JUNE   | JULY   | AUG    | SEPT   | OCT    | NOV                    | DEC    |
|------------------|--------|--------|--------|------------------------|--------|--------|--------|--------|--------|--------|------------------------|--------|
| HIGH             | 134.44 | 135.43 | 134.14 | 138.07                 | 146.19 | 167.64 | 164.61 | 168.79 | 165.49 | 164.98 | 157.74                 | 148.93 |
| MEAN             | 139.98 | 140.18 | 139.41 | 142.05                 | 159.52 | 171.08 | 169.11 | 173.14 | 171.01 | 167.44 | 163.56                 | 155.52 |
| LOW              | 143.33 | 145.06 | 144.38 | 146.17                 | 170.41 | 173.74 | 171.86 | 178.15 | 177.64 | 170.89 | 169.63                 | 161.15 |
| SUMMARY FOR 2000 |        |        | HIGH   | 134.14 (Mar. 13, 2000) |        |        | MEAN   | 157.71 |        | LOW    | 178.15 (Aug. 31, 2000) |        |

**IDENTIFICATION NUMBER.—12L021.**

COUNTY.—Dougherty

LOCATION.—Lat 31°35'37", long 84°10'29", Hydrologic Unit 03130008.

SITE NAME.—U.S. Geological Survey, test well 10.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Providence.

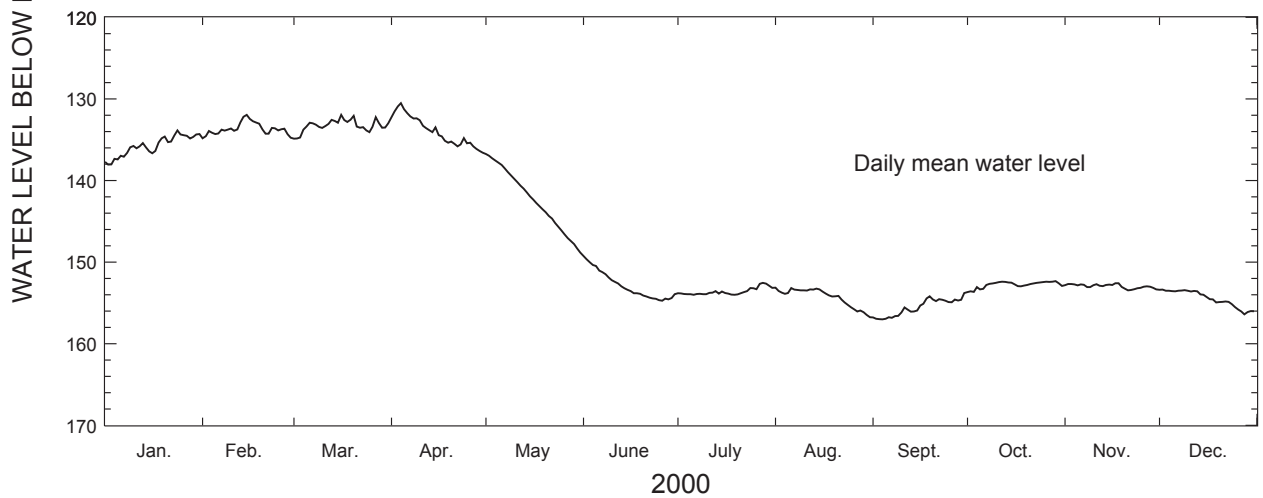
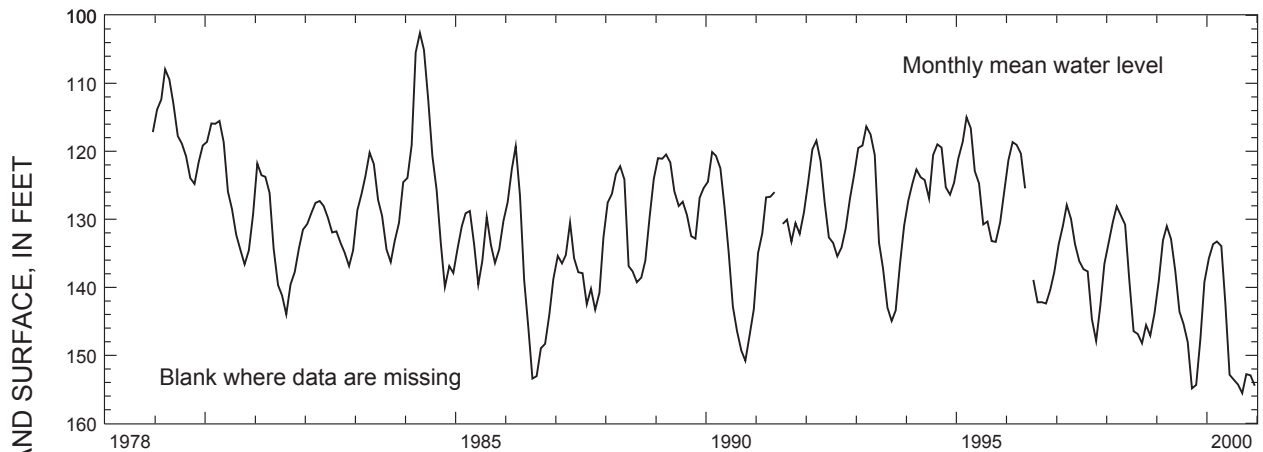
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 834 ft, cased to 810 ft, screen from 810 to 830 ft.

DATUM.—Altitude of land-surface datum is 198 ft.

REMARKS.—None.

PERIOD OF RECORD.—December 1978 to current year. Continuous record since December 1978.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 101.59 ft below land-surface datum, April 26, 1984; lowest, 157.10 ft below land-surface datum, September 25, 1999.



| 2000             | JAN                        | FEB    | MAR    | APR         | MAY    | JUNE   | JULY                       | AUG    | SEPT   | OCT    | NOV    | DEC    |
|------------------|----------------------------|--------|--------|-------------|--------|--------|----------------------------|--------|--------|--------|--------|--------|
| HIGH             | 133.86                     | 131.96 | 131.95 | 130.52      | 136.75 | 149.24 | 152.55                     | 153.14 | 153.78 | 152.33 | 152.58 | 153.36 |
| MEAN             | 135.76                     | 133.67 | 133.26 | 133.94      | 142.38 | 152.85 | 153.60                     | 154.30 | 155.56 | 152.76 | 152.95 | 154.46 |
| LOW              | 138.05                     | 134.82 | 134.87 | 136.59      | 148.82 | 154.73 | 154.01                     | 156.76 | 157.00 | 153.66 | 153.45 | 156.41 |
| SUMMARY FOR 2000 | HIGH 130.52 (Apr. 4, 2000) |        |        | MEAN 146.33 |        |        | LOW 157.00 (Sept. 4, 2000) |        |        |        |        |        |

**IDENTIFICATION NUMBER.—12L028.**

COUNTY.—Dougherty

LOCATION.—Lat 31°33'02", long 84°12'03", Hydrologic Unit 03130008.

SITE NAME.—Vandy W. Musgrove.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

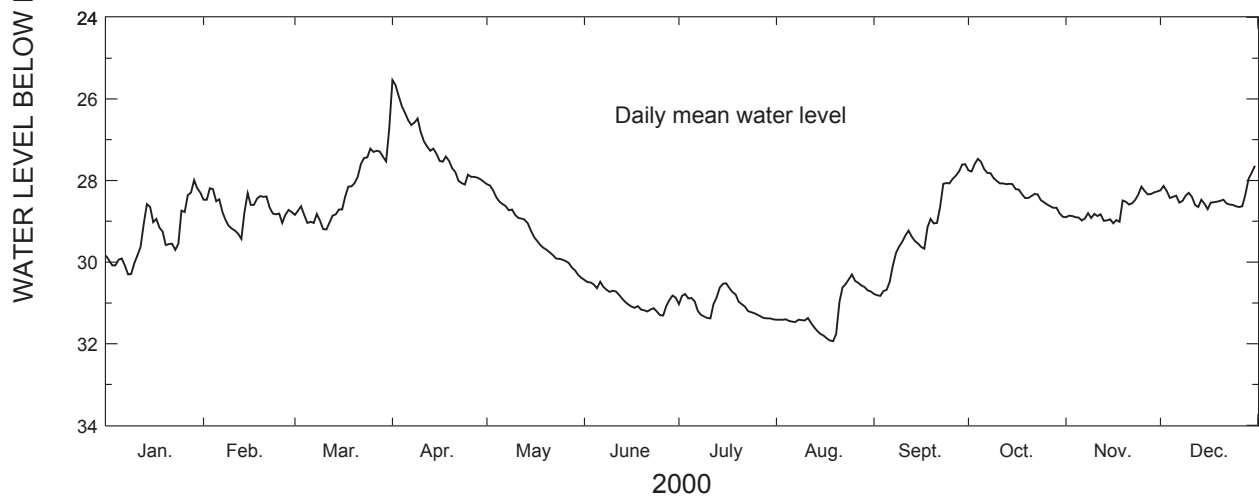
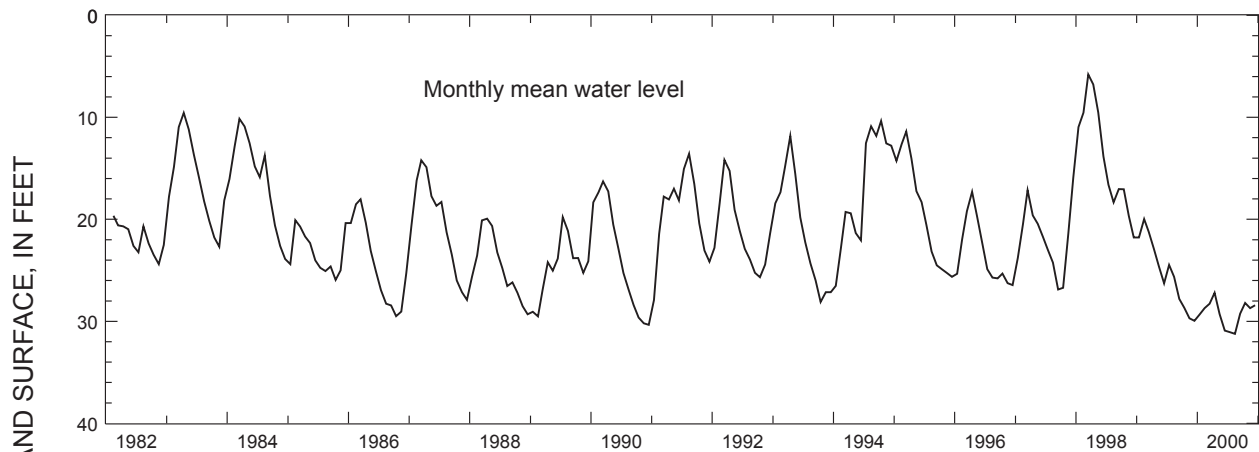
WELL CHARACTERISTICS.—Drilled observation well, diameter 10.5 in., depth 100 ft, cased to 43 ft, open hole.

DATUM.—Altitude of land-surface datum is 190 ft.

REMARKS.—None.

PERIOD OF RECORD.—February 1982 to current year. Continuous record since February 1982.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 4.04 ft below land-surface datum, March 15, 1998;  
lowest, 31.94 ft below land-surface datum, August 19, 2000.



| 2000             | JAN   | FEB   | MAR   | APR                  | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV                   | DEC   |
|------------------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|-------|-----------------------|-------|
| HIGH             | 27.99 | 28.19 | 26.74 | 25.54                | 28.09 | 30.44 | 30.52 | 30.30 | 27.60 | 27.47 | 28.15                 | 27.64 |
| MEAN             | 29.33 | 28.71 | 28.27 | 27.20                | 29.29 | 30.90 | 31.05 | 31.22 | 29.25 | 28.19 | 28.70                 | 28.42 |
| LOW              | 30.30 | 29.43 | 29.20 | 28.10                | 30.38 | 31.31 | 31.40 | 31.94 | 30.83 | 28.89 | 29.05                 | 28.70 |
| SUMMARY FOR 2000 |       |       | HIGH  | 25.54 (Apr. 1, 2000) |       |       | MEAN  | 29.22 |       | LOW   | 31.94 (Aug. 19, 2000) |       |

**IDENTIFICATION NUMBER.—12L029.**

COUNTY.—Dougherty

LOCATION.—Lat 31°34'50", long 84°09'18", Hydrologic Unit 03130008.

SITE NAME.—U.S. Geological Survey, test well 13.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

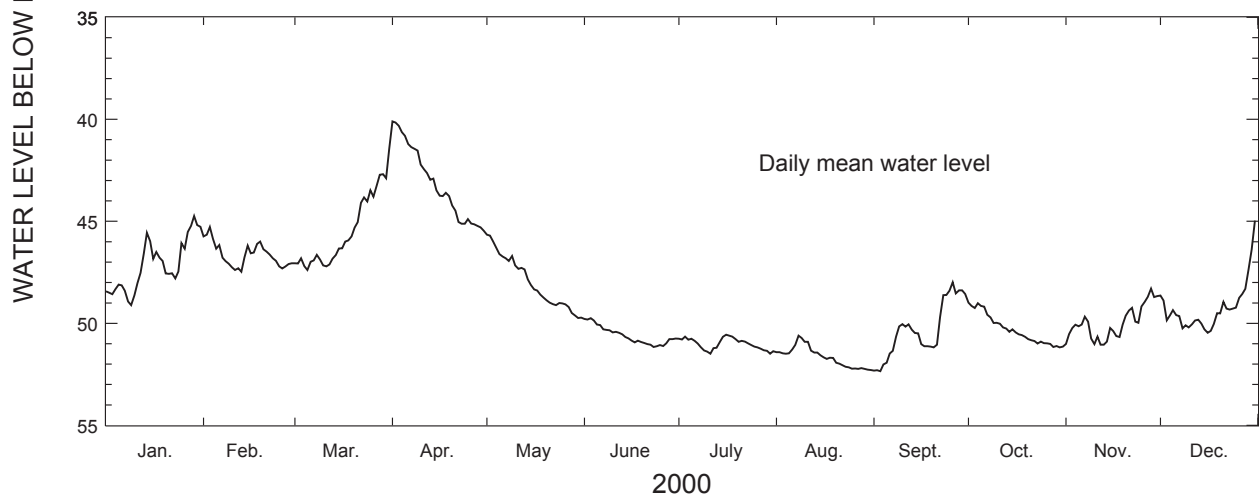
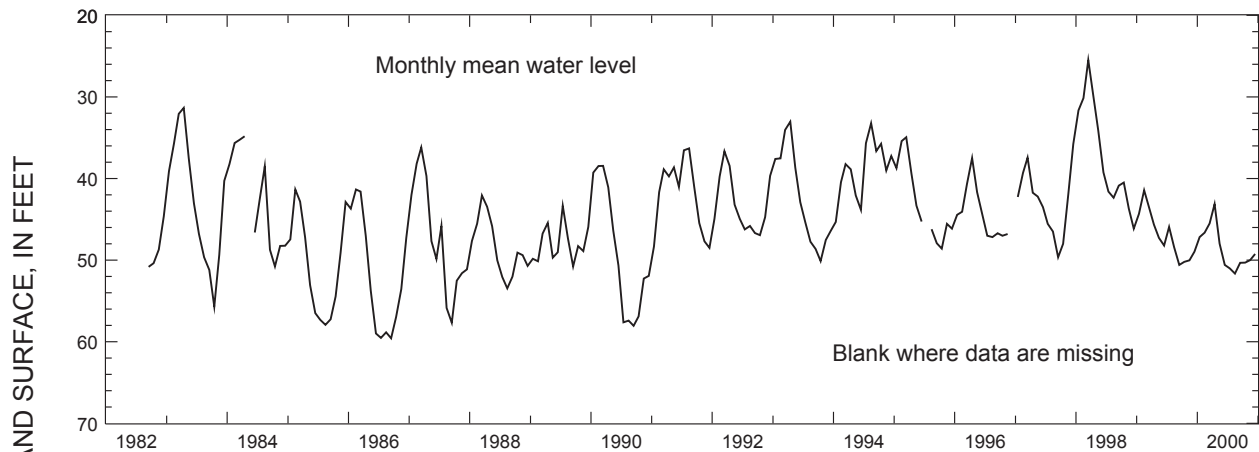
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 178 ft, cased to 35 ft, open hole.

DATUM.—Altitude of land-surface datum is 200 ft.

REMARKS.—None.

PERIOD OF RECORD.—September 1982 to current year. Continuous record since September 1982.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 20.47 ft below land-surface datum, March 14, 1998;  
lowest, 64.66 ft below land-surface datum, July 26, 1986.



| 2000             | JAN                       | FEB   | MAR   | APR        | MAY   | JUNE  | JULY  | AUG                       | SEPT  | OCT   | NOV   | DEC   |
|------------------|---------------------------|-------|-------|------------|-------|-------|-------|---------------------------|-------|-------|-------|-------|
| HIGH             | 44.74                     | 45.28 | 41.46 | 40.10      | 45.65 | 49.75 | 50.56 | 50.60                     | 47.99 | 48.99 | 48.30 | 44.97 |
| MEAN             | 47.17                     | 46.64 | 45.51 | 43.14      | 47.98 | 50.60 | 51.01 | 51.65                     | 50.33 | 50.30 | 49.99 | 49.24 |
| LOW              | 49.11                     | 47.47 | 47.39 | 45.46      | 49.74 | 51.16 | 51.49 | 52.29                     | 52.35 | 51.18 | 51.05 | 50.46 |
| SUMMARY FOR 2000 | HIGH 40.10 (Apr. 1, 2000) |       |       | MEAN 48.64 |       |       |       | LOW 52.35 (Sept. 3, 2000) |       |       |       |       |



**IDENTIFICATION NUMBER.—12L030.**

COUNTY.—Dougherty

LOCATION.—Lat 31°31'30", long 84°10'10", Hydrologic Unit 03130008.

SITE NAME.—U.S. Geological Survey, test well 16.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

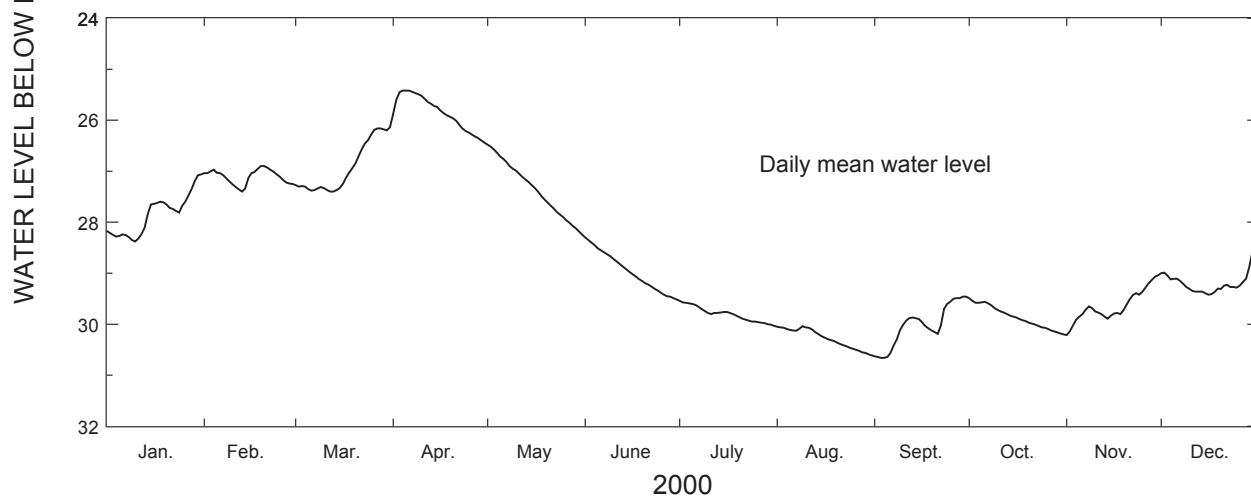
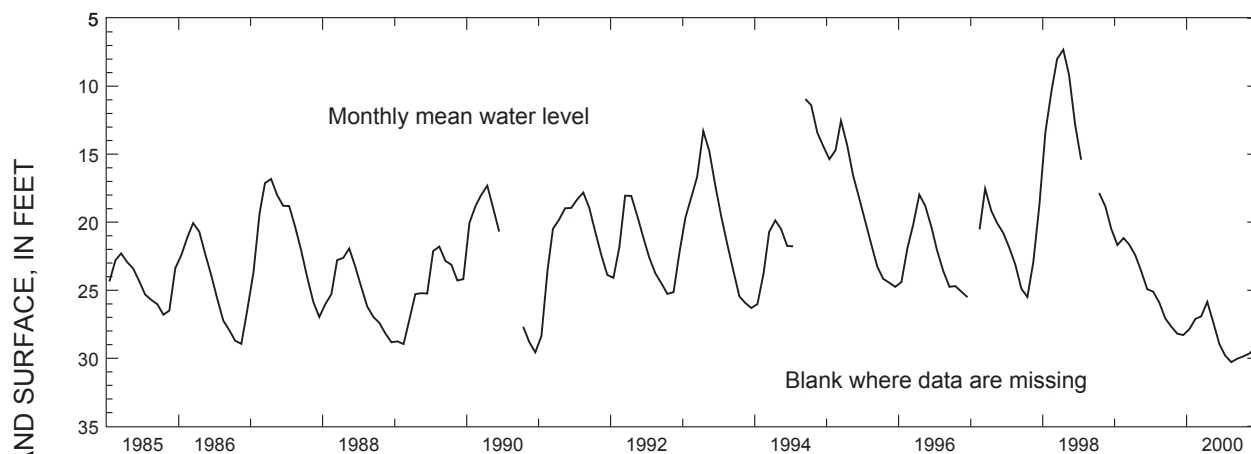
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 140 ft, cased to 84 ft, open hole.

DATUM.—Altitude of land-surface datum is 180 ft.

REMARKS.—None.

PERIOD OF RECORD.—January 1985 to current year. Continuous record since January 1985.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 2.59 ft below land-surface datum, March 20, 1998, but may have been higher during period of missing record; lowest, 30.66 ft below land-surface datum, September 3-4, 2000.



| 2000             | JAN   | FEB   | MAR   | APR                    | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV                     | DEC   |
|------------------|-------|-------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------------------------|-------|
| HIGH             | 27.06 | 26.90 | 26.14 | 25.42                  | 26.48 | 28.30 | 29.54 | 30.04 | 29.46 | 29.49 | 29.04                   | 28.33 |
| MEAN             | 27.85 | 27.11 | 26.93 | 25.85                  | 27.36 | 28.96 | 29.80 | 30.28 | 30.03 | 29.86 | 29.65                   | 29.18 |
| LOW              | 28.38 | 27.40 | 27.40 | 26.44                  | 28.24 | 29.51 | 30.03 | 30.61 | 30.66 | 30.20 | 30.21                   | 29.42 |
| SUMMARY FOR 2000 |       |       | HIGH  | 25.42 (Apr. 4-6, 2000) |       |       | MEAN  | 28.58 |       | LOW   | 30.66 (Sept. 3-4, 2000) |       |

**IDENTIFICATION NUMBER.—12M001.**

COUNTY.—Lee

LOCATION.—Lat 31°38'13", long 84°12'50", Hydrologic Unit 03130007.

SITE NAME.—U.S. Geological Survey, test well 8.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Claiborne.

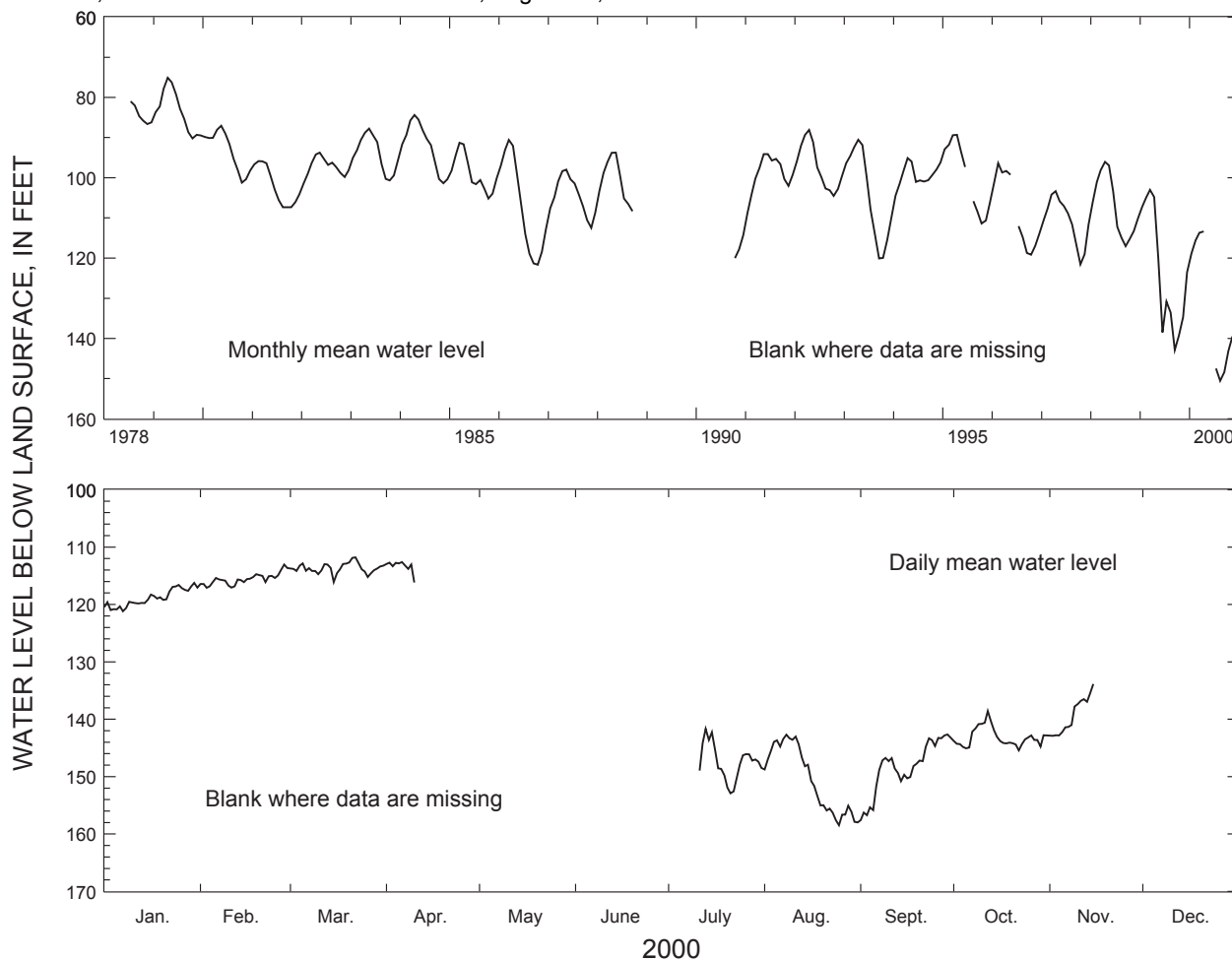
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 385 ft, cased to 370 ft, screen from 370 to 385 ft.

DATUM.—Altitude of land-surface datum is 238 ft.

REMARKS.—Water-level data for periods, April 11 to July 10 and November 16 to December 31, 2000, are missing.

PERIOD OF RECORD.—July 1978 to current year. Continuous record October 1978 to September 1988 and since October 1990.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 74.77 ft below land-surface datum, April 26, 1979; lowest, 158.47 ft below land-surface datum, August 25, 2000.



| 2000             | JAN                         | FEB    | MAR    | APR        | MAY   | JUNE  | JULY                       | AUG    | SEPT   | OCT    | NOV   | DEC   |
|------------------|-----------------------------|--------|--------|------------|-------|-------|----------------------------|--------|--------|--------|-------|-------|
| HIGH             | 116.24                      | 113.04 | 111.80 | -----      | ----- | ----- | -----                      | 142.68 | 142.65 | 138.56 | ----- | ----- |
| MEAN             | 118.89                      | 115.58 | 113.68 | -----      | ----- | ----- | -----                      | 150.54 | 148.37 | 143.19 | ----- | ----- |
| LOW              | 121.19                      | 117.09 | 116.11 | -----      | ----- | ----- | -----                      | 158.47 | 157.57 | 145.41 | ----- | ----- |
| SUMMARY FOR 2000 | HIGH 111.80 (Mar. 22, 2000) |        |        | MEAN ----- |       |       | LOW 158.47 (Aug. 25, 2000) |        |        |        |       |       |

**IDENTIFICATION NUMBER.—12M002.**

COUNTY.—Lee

LOCATION.—Lat 31°38'12", long 84°12'50", Hydrologic Unit 03130007.

SITE NAME.—U.S. Geological Survey, test well 9.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Clayton.

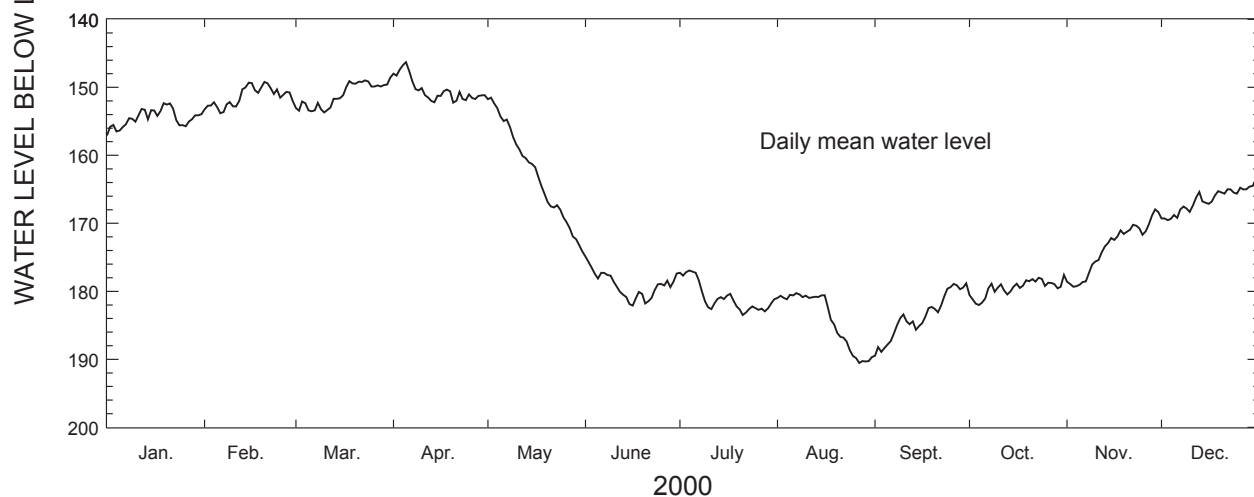
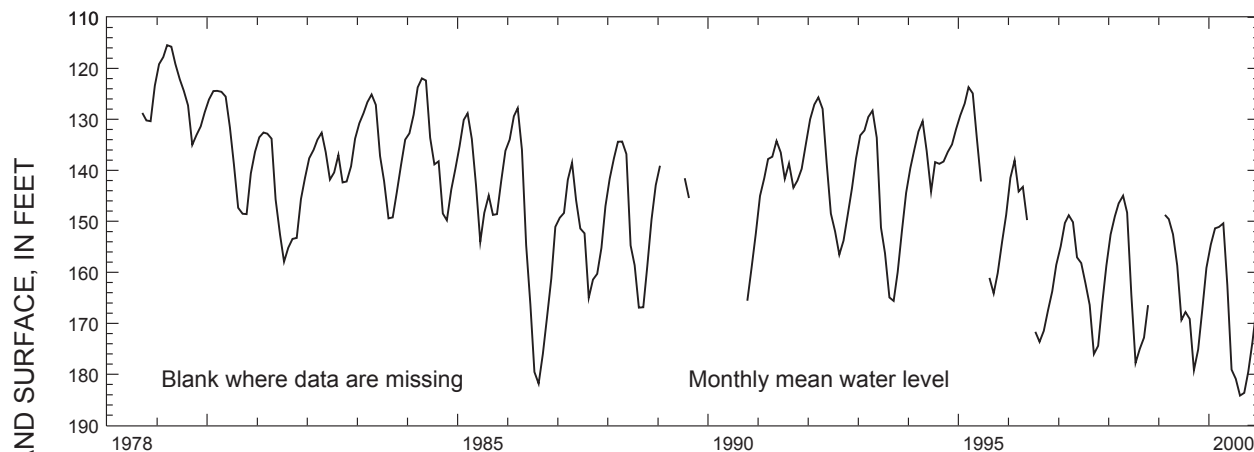
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 650 ft, cased to 567 ft, open hole.

DATUM.—Altitude of land-surface datum is 230 ft.

REMARKS.—None.

PERIOD OF RECORD.—September 1978 to current year. Continuous record September 1978 to September 1988 and since October 1990.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 114.79 ft below land-surface datum, March 14, 1979; lowest, 190.54 ft below land-surface datum, August 27, 2000.



| 2000             | JAN    | FEB    | MAR                        | APR    | MAY    | JUNE   | JULY        | AUG    | SEPT                       | OCT    | NOV    | DEC    |
|------------------|--------|--------|----------------------------|--------|--------|--------|-------------|--------|----------------------------|--------|--------|--------|
| HIGH             | 152.35 | 149.20 | 148.57                     | 146.29 | 151.52 | 174.90 | 176.93      | 180.26 | 178.81                     | 177.57 | 167.94 | 163.54 |
| MEAN             | 154.53 | 151.37 | 151.11                     | 150.38 | 162.57 | 179.08 | 180.90      | 184.17 | 183.65                     | 179.50 | 173.60 | 166.60 |
| LOW              | 157.09 | 153.80 | 153.69                     | 152.25 | 174.12 | 182.09 | 183.48      | 190.54 | 189.46                     | 182.00 | 179.32 | 169.54 |
| SUMMARY FOR 2000 |        |        | HIGH 146.29 (Apr. 5, 2000) |        |        |        | MEAN 168.18 |        | LOW 190.54 (Aug. 27, 2000) |        |        |        |

**IDENTIFICATION NUMBER.—12M017.**

COUNTY.—Lee

LOCATION.—Lat 31°38'08", long 84°09'36", Hydrologic Unit 03130007.

SITE NAME.—U.S. Geological Survey, test well 19.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 181 ft, cased to 41 ft, open hole.

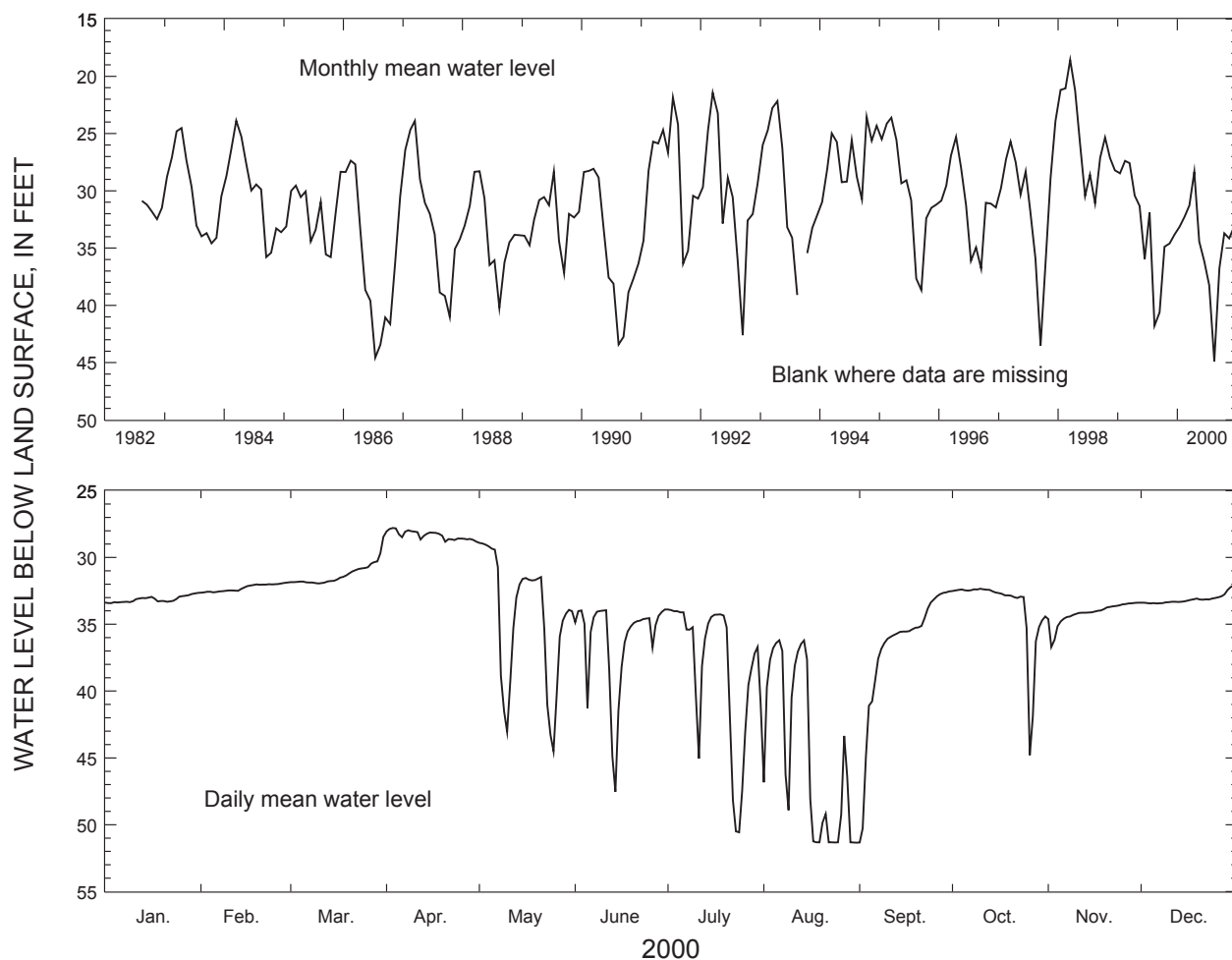
DATUM.—Altitude of land-surface datum is 225 ft.

REMARKS.—None.

PERIOD OF RECORD.—August 1982 to current year. Continuous record since August 1982.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 15.15 ft below land-surface datum, March 11, 1990;

lowest, 61.67 ft below land-surface datum, August 24, 1990, but may have been lower during period of missing record.



| 2000             | JAN                       | FEB   | MAR   | APR   | MAY   | JUNE       | JULY  | AUG                       | SEPT  | OCT   | NOV   | DEC   |
|------------------|---------------------------|-------|-------|-------|-------|------------|-------|---------------------------|-------|-------|-------|-------|
| HIGH             | 32.65                     | 31.87 | 28.46 | 27.79 | 28.91 | 33.90      | 33.90 | 36.20                     | 32.54 | 32.34 | 33.39 | 32.08 |
| MEAN             | 33.14                     | 32.27 | 31.27 | 28.34 | 34.42 | 36.16      | 38.24 | 44.87                     | 36.78 | 33.71 | 34.16 | 33.14 |
| LOW              | 33.42                     | 32.64 | 31.94 | 28.82 | 44.49 | 47.53      | 50.56 | 51.34                     | 51.33 | 44.79 | 36.70 | 33.44 |
| SUMMARY FOR 2000 | HIGH 27.79 (Apr. 3, 2000) |       |       |       |       | MEAN 34.73 |       | LOW 51.34 (Aug. 31, 2000) |       |       |       |       |

**IDENTIFICATION NUMBER.—12Z001.**

COUNTY.—Lamar

LOCATION.—Lat 33°08'58", long 84°12'29", Hydrologic Unit 03130005.

SITE NAME.—Dixie Pipeline.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Surficial (residuum).

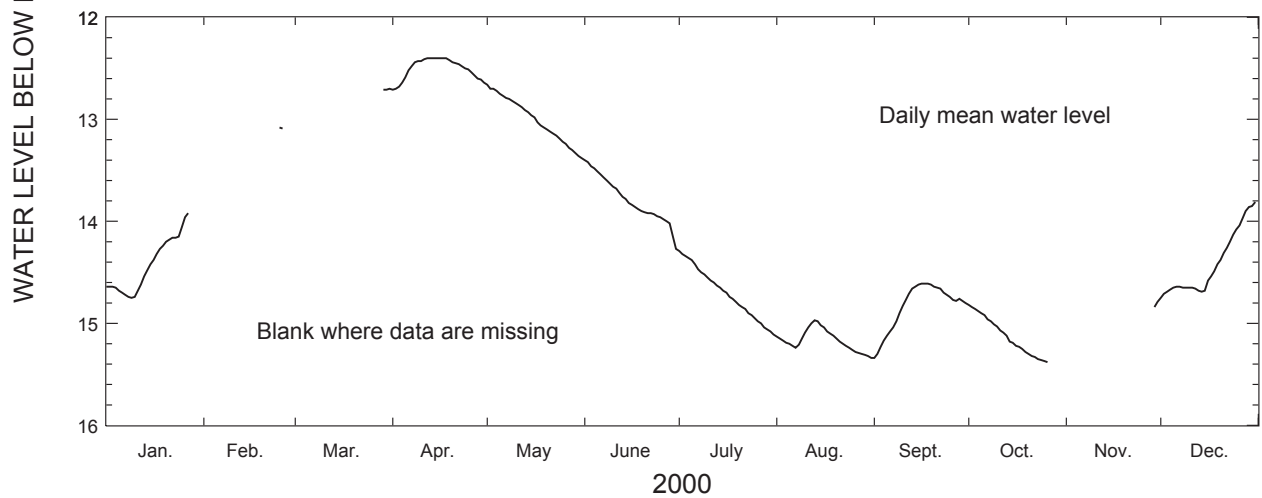
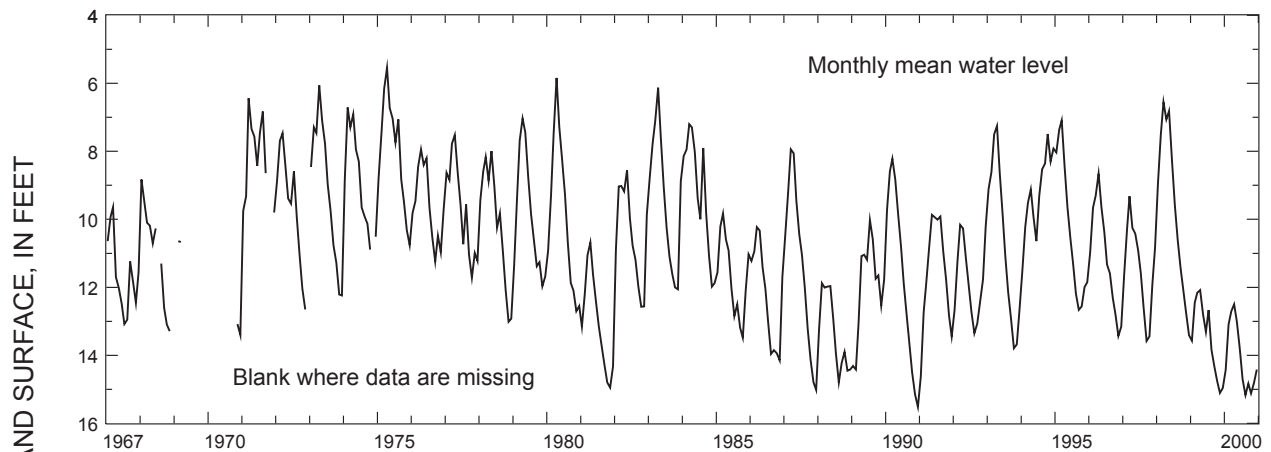
WELL CHARACTERISTICS.—Bored observation well, diameter 24 in., depth 31 ft, cased to 30 ft, open hole.

DATUM.—Altitude of land-surface datum is 852.1 ft.

REMARKS.—Water-level data for periods, January 28 to February 24, February 27 to March 28, and October 27 to November 28, 2000, are missing.

PERIOD OF RECORD.—January 1967 to current year. Continuous record since January 1967.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 4.96 ft below land-surface datum, April 17, 1975; lowest, 15.62 ft below land-surface datum, December 20, 1990.



| 2000             | JAN                           | FEB   | MAR   | APR        | MAY   | JUNE  | JULY                      | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------------------|-------------------------------|-------|-------|------------|-------|-------|---------------------------|-------|-------|-------|-------|-------|
| HIGH             | 13.92                         | ----- | ----- | 12.40      | 12.66 | 13.40 | 14.29                     | 14.97 | 14.61 | 14.82 | ----- | 13.81 |
| MEAN             | 14.43                         | ----- | ----- | 12.50      | 13.00 | 13.78 | 14.70                     | 15.17 | 14.83 | 15.12 | ----- | 14.42 |
| LOW              | 14.75                         | ----- | ----- | 12.71      | 13.38 | 14.27 | 15.11                     | 15.34 | 15.34 | 15.38 | ----- | 14.75 |
| SUMMARY FOR 2000 | HIGH 12.40 (Apr. 12-18, 2000) |       |       | MEAN ----- |       |       | LOW 15.38 (Oct. 26, 2000) |       |       |       |       |       |

**IDENTIFICATION NUMBER.—13J004.**

COUNTY.—Mitchell

LOCATION.—Lat 31°21'29", long 84°06'57", Hydrologic Unit 03130008.

SITE NAME.—Aurora Dairy.

INSTRUMENTATION.—Electronic data recorder with GOES Satellite transmitter.

AQUIFER.—Upper Floridan.

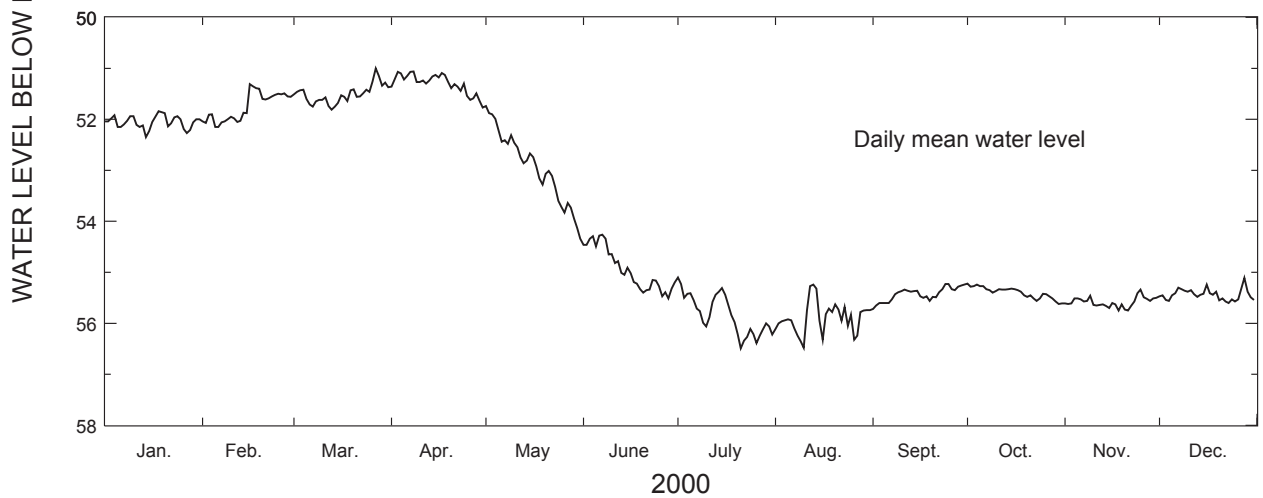
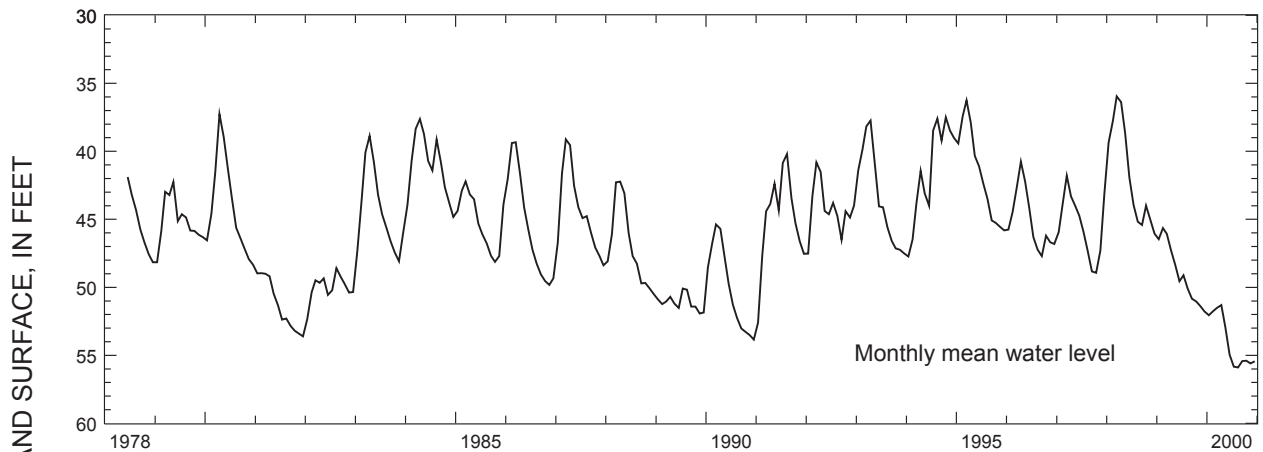
WELL CHARACTERISTICS.—Drilled observation well, diameter 12 in., depth 208 ft, cased to 77 ft, open hole.

DATUM.—Altitude of land-surface datum is 200 ft.

REMARKS.—None.

PERIOD OF RECORD.—June 1978 to current year. Continuous record since June 1978.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 34.64 ft below land-surface datum, March 20, 1998;  
lowest, 56.49 ft below land-surface datum, July 21, 2000.



| 2000             | JAN                        | FEB   | MAR   | APR   | MAY   | JUNE       | JULY  | AUG                       | SEPT  | OCT   | NOV   | DEC   |
|------------------|----------------------------|-------|-------|-------|-------|------------|-------|---------------------------|-------|-------|-------|-------|
| HIGH             | 51.84                      | 51.31 | 51.00 | 51.06 | 51.74 | 54.26      | 55.10 | 55.24                     | 55.23 | 55.22 | 55.34 | 55.11 |
| MEAN             | 52.05                      | 51.76 | 51.51 | 51.30 | 52.94 | 54.94      | 55.83 | 55.89                     | 55.43 | 55.40 | 55.59 | 55.44 |
| LOW              | 52.35                      | 52.15 | 51.81 | 51.77 | 54.34 | 55.51      | 56.49 | 56.48                     | 55.72 | 55.62 | 55.75 | 55.60 |
| SUMMARY FOR 2000 | HIGH 51.00 (Mar. 27, 2000) |       |       |       |       | MEAN 54.01 |       | LOW 56.49 (July 21, 2000) |       |       |       |       |

**IDENTIFICATION NUMBER.—13K014.**

COUNTY.—Dougherty

LOCATION.—Lat 31°27'04", long 84°07'10", Hydrologic Unit 03130008.

SITE NAME.—U.S. Geological Survey, test well 15.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

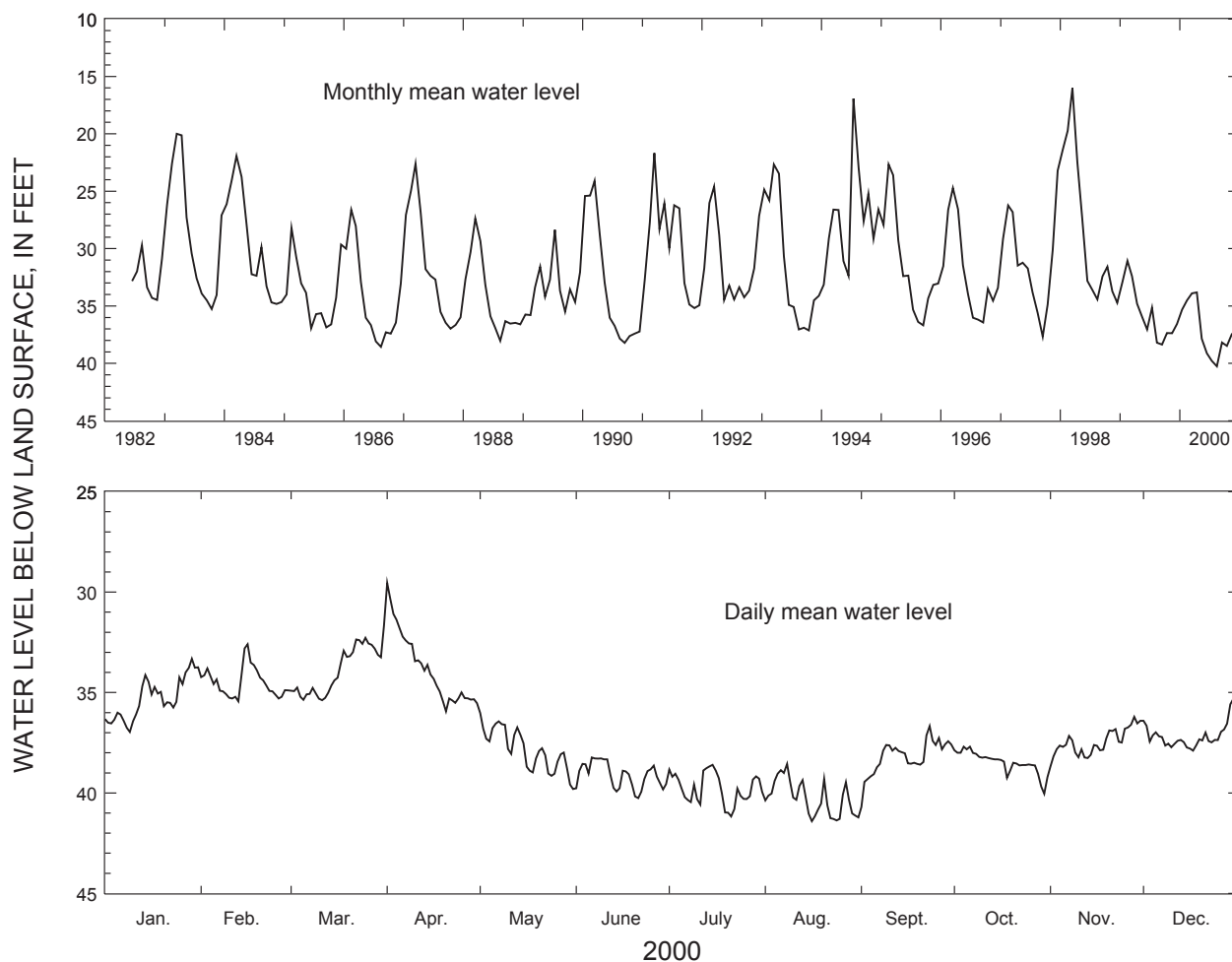
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 129 ft, cased to 99 ft, open hole.

DATUM.—Altitude of land-surface datum is 183 ft.

REMARKS.—None.

PERIOD OF RECORD.—June 1982 to current year. Continuous record since June 1982.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 5.11 ft below land-surface datum, July 4, 1994;  
lowest, 41.40 ft below land-surface datum, August 16, 2000.



| 2000             | JAN   | FEB   | MAR   | APR                  | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV                   | DEC   |
|------------------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|-------|-----------------------|-------|
| HIGH             | 33.32 | 32.60 | 31.67 | 29.55                | 36.02 | 38.23 | 38.60 | 38.55 | 36.67 | 37.70 | 36.21                 | 34.44 |
| MEAN             | 35.31 | 34.50 | 33.90 | 33.82                | 37.85 | 39.12 | 39.78 | 40.26 | 38.18 | 38.47 | 37.46                 | 37.09 |
| LOW              | 36.96 | 35.44 | 35.38 | 35.94                | 39.80 | 40.26 | 41.17 | 41.40 | 40.70 | 40.04 | 38.68                 | 37.89 |
| SUMMARY FOR 2000 |       |       | HIGH  | 29.55 (Apr. 1, 2000) |       |       | MEAN  | 37.16 |       | LOW   | 41.40 (Aug. 16, 2000) |       |

**IDENTIFICATION NUMBER.—13L002.**

COUNTY.—Dougherty

LOCATION.—Lat 31°35'51", long 84°06'24", Hydrologic Unit 03130008.

SITE NAME.—Albany Water, Gas, and Light Commission, Turner City 2.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Clayton.

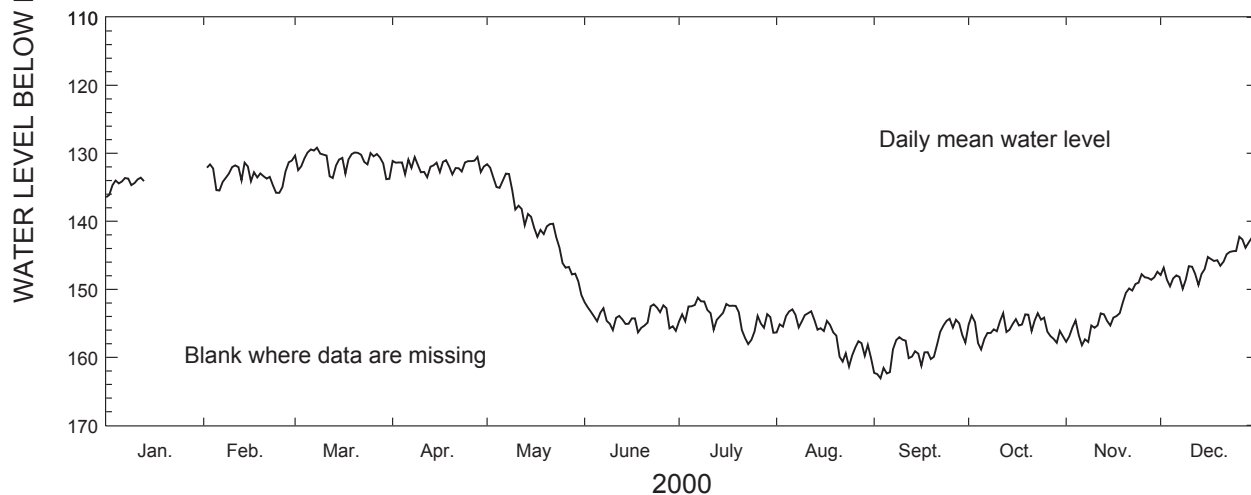
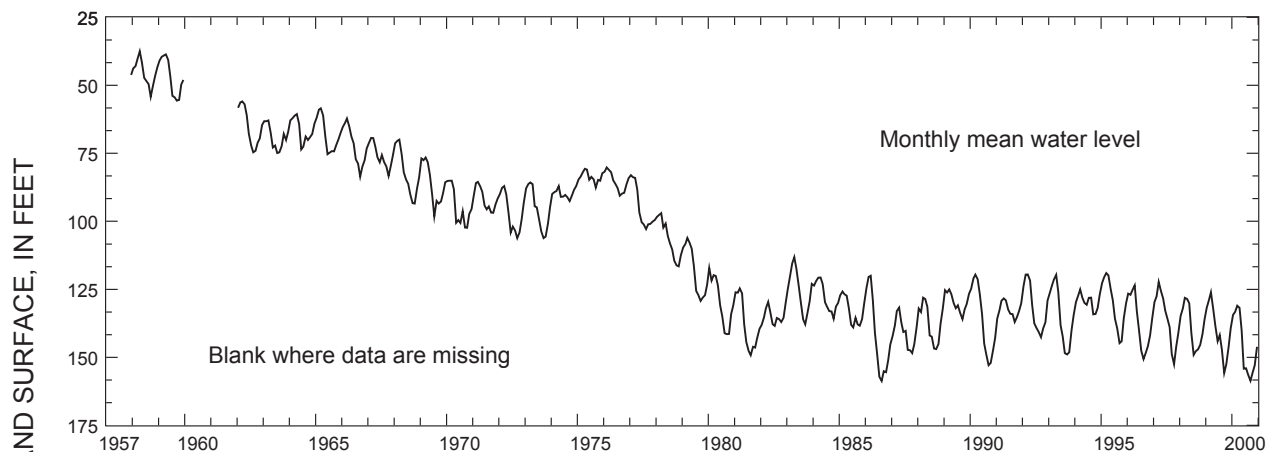
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 12 in., depth 760 ft, cased to 713 ft, open hole.

DATUM.—Altitude of land-surface datum is 212.8 ft.

REMARKS.—Water-level data for period, January 14 to February 1, 2000, are missing.

PERIOD OF RECORD.—December 1957 to current year. Continuous record December 1957 to December 1959, and since January 1962.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 38.19 ft below land-surface datum, April 1, 1959; lowest, 163.08 ft below land-surface datum, September 3, 2000.



| 2000             | JAN   | FEB    | MAR                        | APR    | MAY    | JUNE   | JULY        | AUG    | SEPT   | OCT                        | NOV    | DEC    |
|------------------|-------|--------|----------------------------|--------|--------|--------|-------------|--------|--------|----------------------------|--------|--------|
| HIGH             | ----- | 131.07 | 129.16                     | 130.52 | 131.59 | 151.89 | 151.21      | 152.94 | 154.32 | 153.50                     | 147.41 | 142.27 |
| MEAN             | ----- | 133.25 | 131.02                     | 131.83 | 140.15 | 154.17 | 154.06      | 156.46 | 158.64 | 155.64                     | 152.98 | 146.15 |
| LOW              | ----- | 135.82 | 133.80                     | 133.53 | 150.83 | 156.34 | 158.07      | 161.36 | 163.08 | 158.84                     | 158.23 | 149.93 |
| SUMMARY FOR 2000 |       |        | HIGH 129.16 (Mar. 8, 2000) |        |        |        | MEAN 146.38 |        |        | LOW 163.08 (Sept. 3, 2000) |        |        |



**IDENTIFICATION NUMBER.—13L003.**

COUNTY.—Dougherty

LOCATION.—Lat 31°33'13", long 84°00'21", Hydrologic Unit 03130008.

SITE NAME.—City of Albany and Dougherty County.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

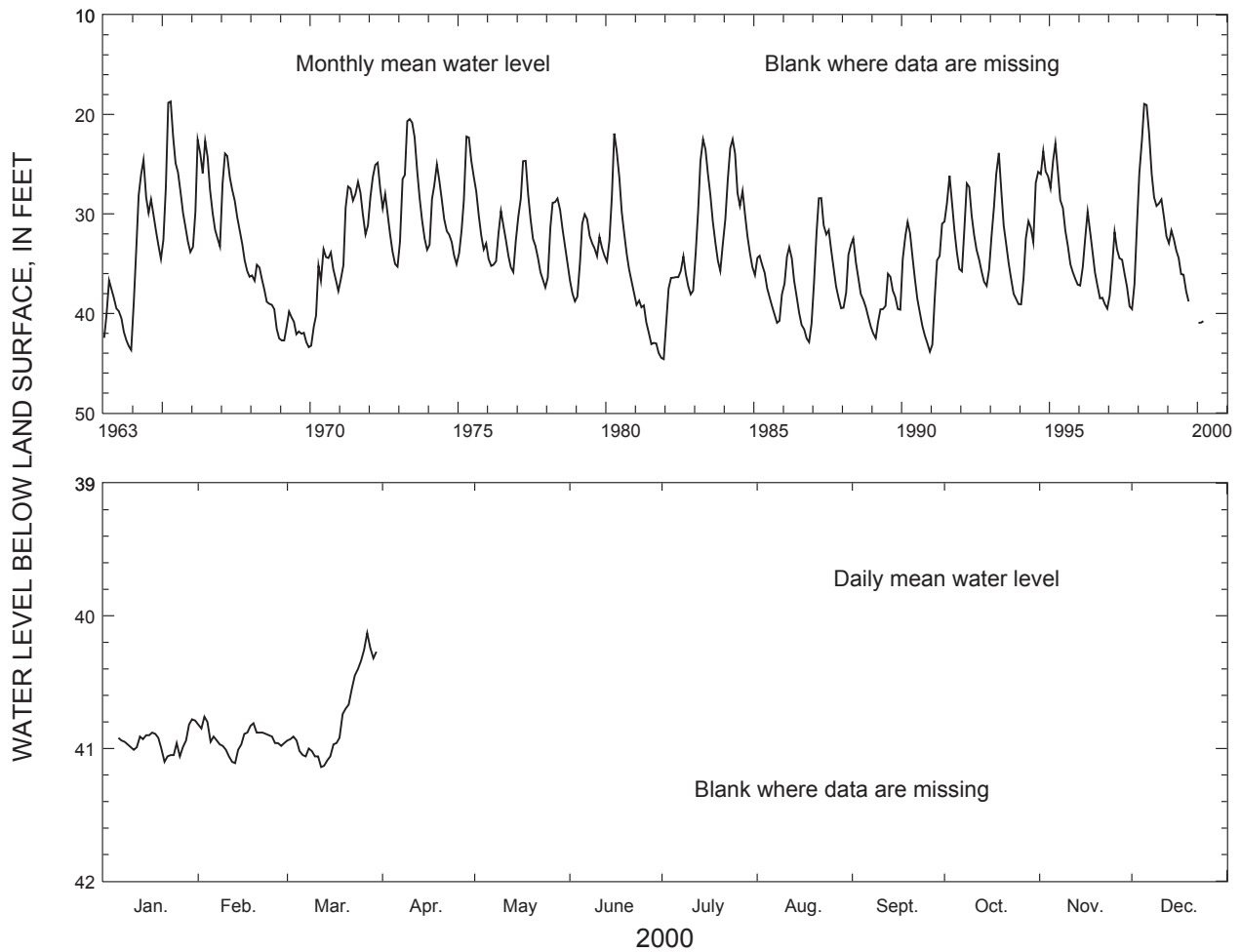
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 6 in., depth 259 ft, cased to 206 ft, open hole.

DATUM.—Altitude of land-surface datum is 225 ft.

REMARKS.—Water-level data for period, January 1-5, 2000, are missing. Record collection discontinued, March 31, 2000, and replaced with well 13L180.

PERIOD OF RECORD.—January 1963 to March 31 of current year. Continuous record since January 1963.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 17.17 ft below land-surface datum, March 20, 1998; lowest, 44.89 ft below land-surface datum, December 13, 1981.



| 2000             | JAN   | FEB   | MAR   | APR                   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT                   | NOV   | DEC   |
|------------------|-------|-------|-------|-----------------------|-------|-------|-------|-------|-------|-----------------------|-------|-------|
| HIGH4            | 0.78  | 40.76 | 40.13 | -----                 | ----- | ----- | ----- | ----- | ----- | -----                 | ----- | ----- |
| MEAN             | 40.95 | 40.93 | 40.78 | -----                 | ----- | ----- | ----- | ----- | ----- | -----                 | ----- | ----- |
| LOW              | 41.10 | 41.11 | 41.14 | -----                 | ----- | ----- | ----- | ----- | ----- | -----                 | ----- | ----- |
| SUMMARY FOR 2000 |       |       | HIGH  | 40.13 (Mar. 27, 2000) |       |       | MEAN  | ----- | LOW   | 41.14 (Mar. 12, 2000) |       |       |

**IDENTIFICATION NUMBER.—13L011.**

COUNTY.—Dougherty

LOCATION.—Lat 31°31'05", long 84°06'43", Hydrologic Unit 03130008.

SITE NAME.—U.S. Geological Survey, test well 2.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Claiborne.

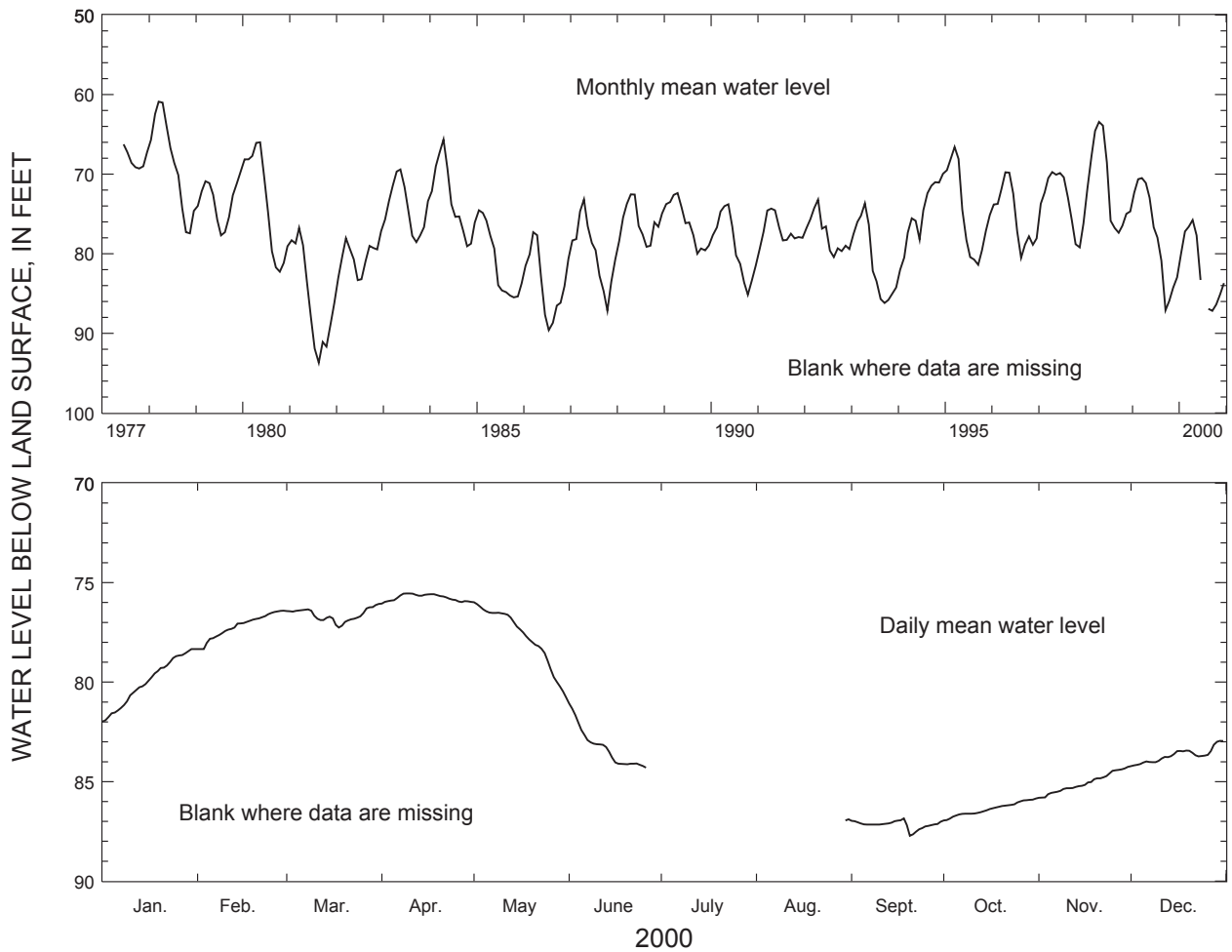
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 418 ft, cased to 398 ft, screen from 398 to 418 ft.

DATUM.—Altitude of land-surface datum is 195 ft.

REMARKS.—Water-level data for period, June 27 to August 29, 2000, are missing.

PERIOD OF RECORD.—June 1977 to current year. Continuous record since June 1977.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 60.01 ft below land-surface datum, April 5, 1978; lowest, 95.00 ft below land-surface datum, August 9-11, 1981.



| 2000             | JAN                          | FEB   | MAR   | APR   | MAY   | JUNE  | JULY  | AUG   | SEPT                   | OCT   | NOV   | DEC   |
|------------------|------------------------------|-------|-------|-------|-------|-------|-------|-------|------------------------|-------|-------|-------|
| HIGH             | 78.34                        | 76.41 | 76.07 | 75.54 | 75.99 | 81.08 | ----- | ----- | 86.85                  | 85.85 | 84.26 | 82.95 |
| MEAN             | 79.99                        | 77.20 | 76.62 | 75.76 | 77.70 | 83.29 | ----- | ----- | 87.17                  | 86.38 | 85.08 | 83.69 |
| LOW              | 81.98                        | 78.34 | 77.26 | 76.05 | 80.76 | 84.30 | ----- | ----- | 87.72                  | 86.95 | 85.81 | 84.22 |
| SUMMARY FOR 2000 | HIGH 75.54 (Apr. 9-10, 2000) |       |       |       |       | MEAN  | ----- | LOW   | 87.72 (Sept. 20, 2000) |       |       |       |

**IDENTIFICATION NUMBER.—13L012.**

COUNTY.—Dougherty

LOCATION.—Lat 31°31'05", long 84°06'43", Hydrologic Unit 03130008.

SITE NAME.—U.S. Geological Survey, test well 3.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

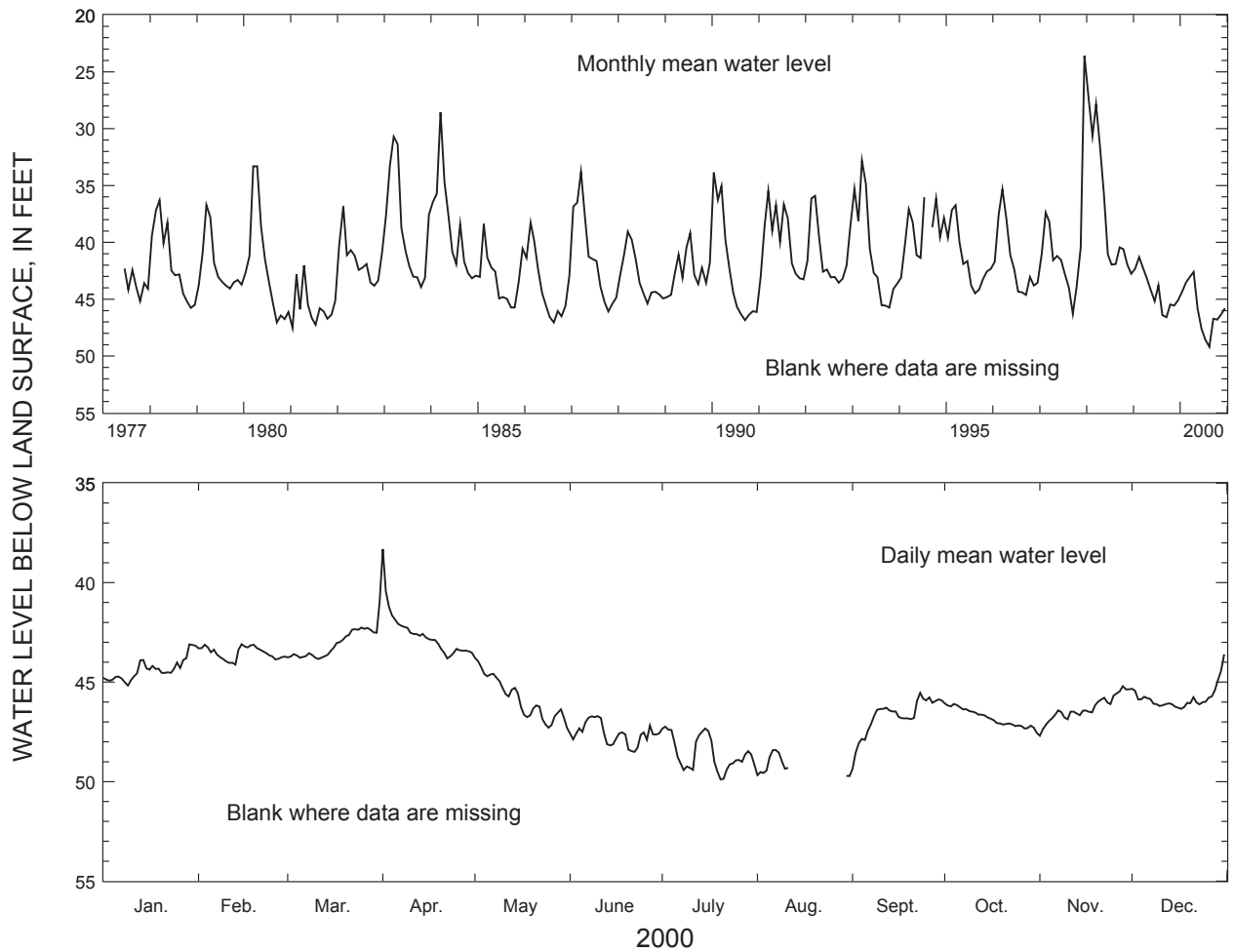
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 218 ft, cased to 54 ft, open hole.

DATUM.—Altitude of land-surface datum is 195 ft.

REMARKS.—Water-level data for period, August 12-29, 2000 are missing. Water levels may be affected by stage in the nearby Flint River.

PERIOD OF RECORD.—June 1977 to current year. Continuous record since June 1977.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 17.60 ft below land-surface datum, March 14, 1998, but may have been higher during period of missing record; lowest, 49.89 ft below land-surface datum, July 20, 2000.



| 2000             | JAN   | FEB   | MAR   | APR                  | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV                   | DEC   |
|------------------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|-------|-----------------------|-------|
| HIGH             | 43.10 | 43.09 | 40.95 | 38.31                | 43.78 | 46.71 | 47.24 | ----- | 45.54 | 46.07 | 45.20                 | 43.60 |
| MEAN             | 44.36 | 43.54 | 43.06 | 42.60                | 45.81 | 47.60 | 48.58 | ----- | 46.71 | 46.79 | 46.33                 | 45.80 |
| LOW              | 45.17 | 44.12 | 43.84 | 43.81                | 47.29 | 48.51 | 49.89 | ----- | 49.35 | 47.56 | 47.70                 | 46.34 |
| SUMMARY FOR 2000 |       |       | HIGH  | 38.31 (Apr. 1, 2000) |       |       | MEAN  | 45.71 |       | LOW   | 49.89 (July 20, 2000) |       |

**IDENTIFICATION NUMBER.—13L013.**

COUNTY.—Dougherty

LOCATION.—Lat 31°31'05", long 84°06'42", Hydrologic Unit 03130008.

SITE NAME.—U.S. Geological Survey, test well 7.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Clayton.

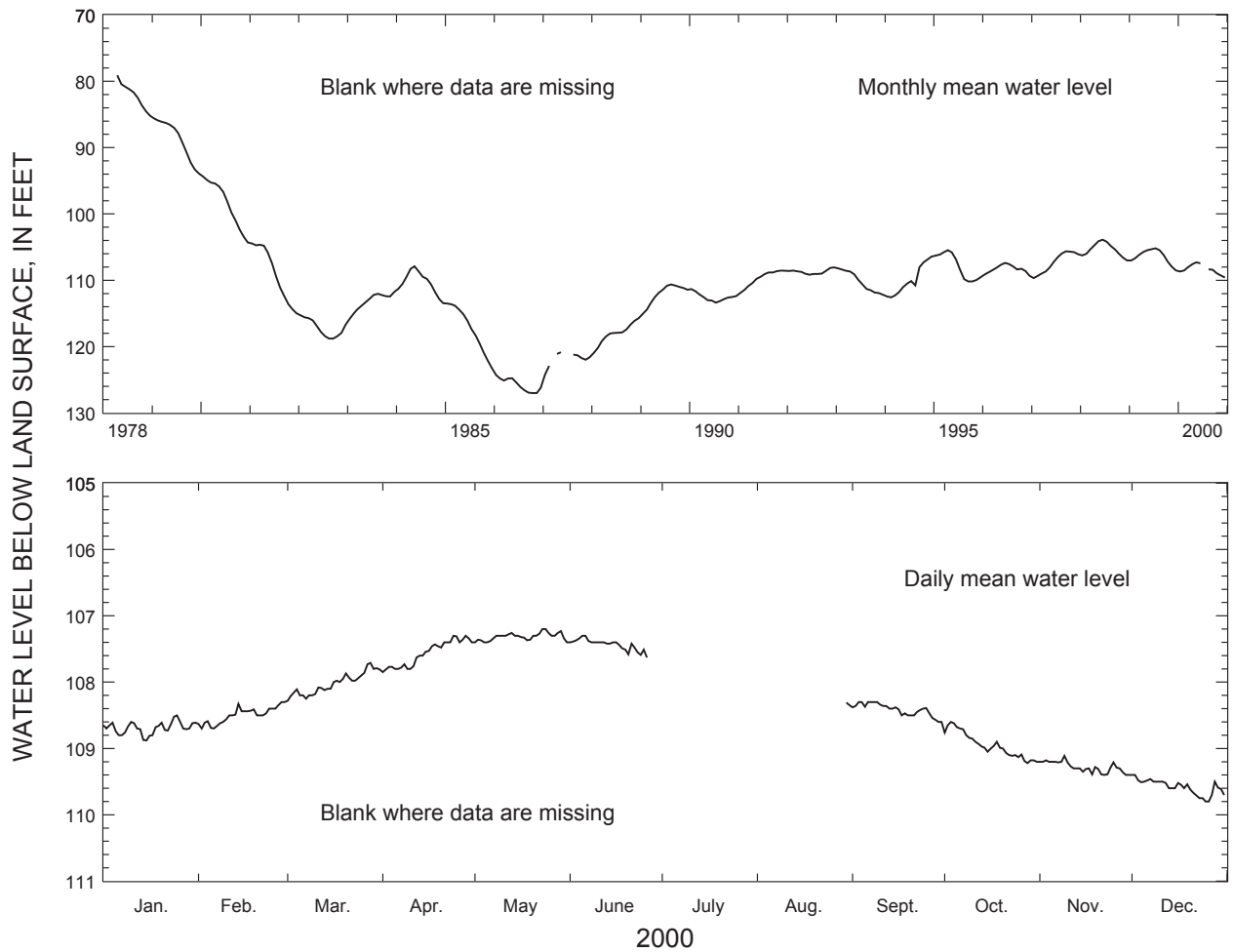
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 882 ft, cased to 716 ft, open hole.

DATUM.—Altitude of land-surface datum is 195 ft.

REMARKS.—Water-level data for period, June 27 to August 29, 2000, are missing.

PERIOD OF RECORD.—April 1978 to current year. Continuous record since July 1978.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 79.01 ft below land-surface datum, May 2, 1978; lowest, 127.24 ft below land-surface datum, September 29, 1986.



| 2000             | JAN                           | FEB    | MAR    | APR    | MAY    | JUNE   | JULY  | AUG   | SEPT                      | OCT    | NOV    | DEC    |
|------------------|-------------------------------|--------|--------|--------|--------|--------|-------|-------|---------------------------|--------|--------|--------|
| HIGH             | 108.50                        | 108.30 | 107.71 | 107.30 | 107.20 | 107.30 | ----- | ----- | 108.30                    | 108.60 | 109.11 | 109.40 |
| MEAN             | 108.69                        | 108.50 | 108.02 | 107.57 | 107.31 | 107.44 | ----- | ----- | 108.42                    | 108.95 | 109.28 | 109.58 |
| LOW              | 108.88                        | 108.70 | 108.28 | 107.85 | 107.40 | 107.63 | ----- | ----- | 108.60                    | 109.22 | 109.40 | 109.80 |
| SUMMARY FOR 2000 | HIGH 107.20 (May 23-24, 2000) |        |        |        |        | MEAN   | ----- | LOW   | 109.80 (Dec. 25-26, 2000) |        |        |        |

**IDENTIFICATION NUMBER.—13L015.**

COUNTY.—Dougherty

LOCATION.—Lat 31°36'25", long 84°04'15", Hydrologic Unit 03130006.

SITE NAME.—Miller Brewing Company.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Claiborne.

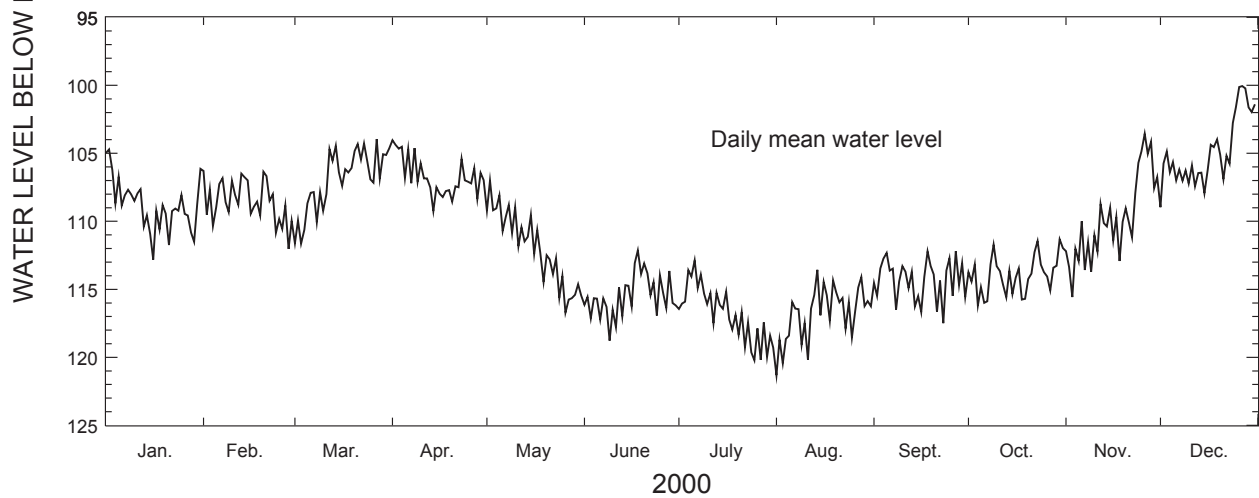
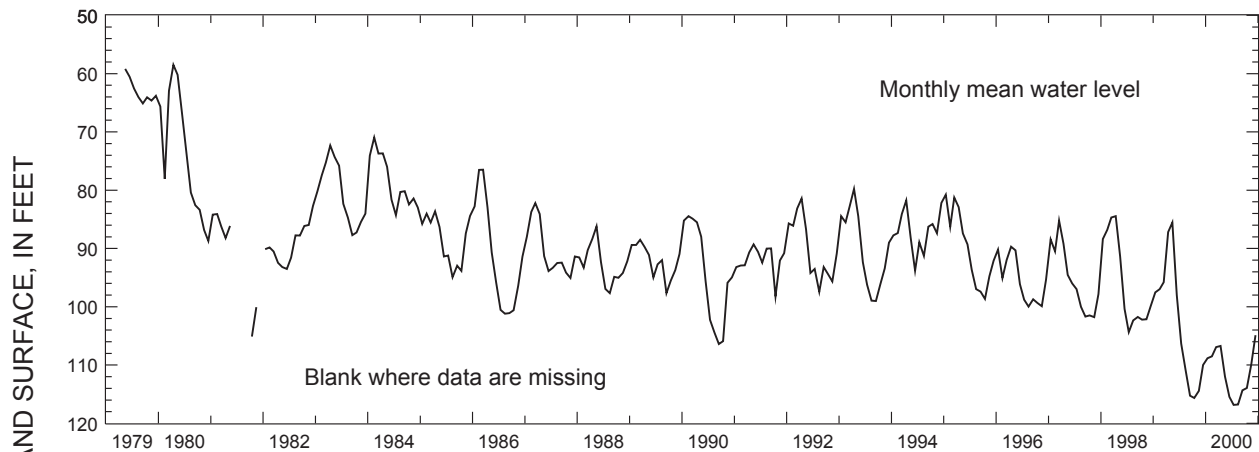
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 351 ft, screen from 268 to 288 ft, 302 to 313 ft, and 343 to 350 ft.

DATUM.—Altitude of land-surface datum is 200 ft.

REMARKS.—None.

PERIOD OF RECORD.—May 1979 to current year. Continuous record since May 1979.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 58.02 ft below land-surface datum, May 1-2, 1980; lowest, 121.31 ft below land-surface datum, August 1, 2000.



| 2000             | JAN    | FEB    | MAR                         | APR    | MAY    | JUNE   | JULY        | AUG    | SEPT   | OCT                       | NOV    | DEC    |
|------------------|--------|--------|-----------------------------|--------|--------|--------|-------------|--------|--------|---------------------------|--------|--------|
| HIGH             | 104.72 | 106.29 | 103.95                      | 104.04 | 107.00 | 112.14 | 112.88      | 113.56 | 112.20 | 111.32                    | 103.56 | 100.05 |
| MEAN             | 108.82 | 108.51 | 106.93                      | 106.71 | 111.97 | 115.47 | 116.83      | 116.77 | 114.33 | 113.94                    | 109.88 | 104.88 |
| LOW              | 112.82 | 112.02 | 111.64                      | 109.25 | 116.71 | 118.78 | 120.22      | 121.31 | 117.49 | 116.19                    | 115.57 | 108.96 |
| SUMMARY FOR 2000 |        |        | HIGH 100.05 (Dec. 27, 2000) |        |        |        | MEAN 111.26 |        |        | LOW 121.31 (Aug. 1, 2000) |        |        |

**IDENTIFICATION NUMBER.—13L048.**

COUNTY.—Dougherty

LOCATION.—Lat 31°30'31", long 84°00'59", Hydrologic Unit 03130008.

SITE NAME.—U.S. Geological Survey, test well 17.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

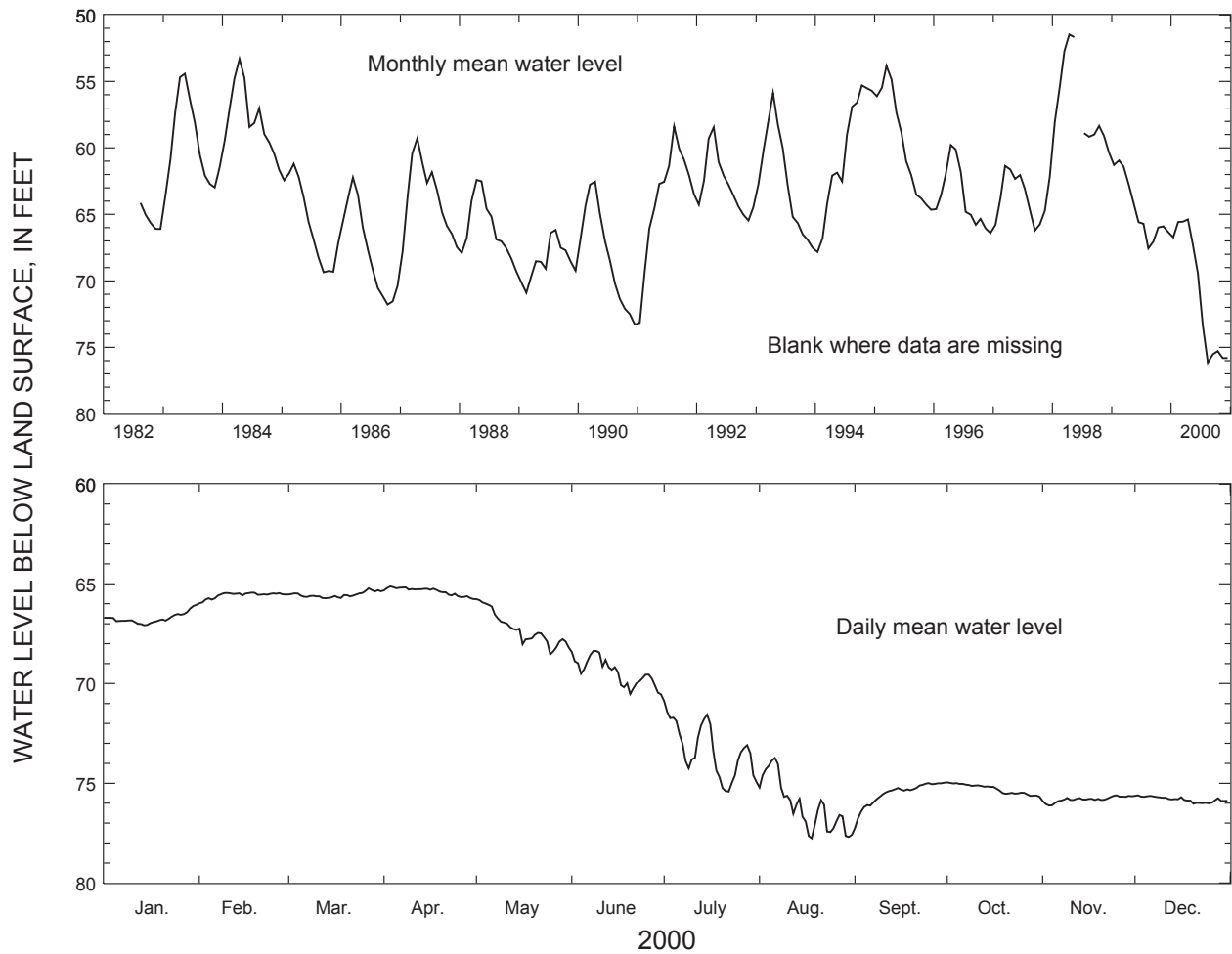
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 344 ft, cased to 51 ft, open hole.

DATUM.—Altitude of land-surface datum is 245 ft.

REMARKS.—None.

PERIOD OF RECORD.—August 1982 to current year. Continuous record since August 1982.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 51.10 ft below land-surface datum, April 22, 1998;  
lowest, 77.76 ft below land-surface datum, August 18, 2000.



| 2000             | JAN                       | FEB   | MAR   | APR   | MAY        | JUNE  | JULY  | AUG                       | SEPT  | OCT   | NOV   | DEC   |
|------------------|---------------------------|-------|-------|-------|------------|-------|-------|---------------------------|-------|-------|-------|-------|
| HIGH             | 66.05                     | 65.44 | 65.22 | 65.13 | 65.77      | 68.37 | 70.88 | 73.73                     | 74.97 | 74.96 | 75.60 | 75.60 |
| MEAN             | 66.73                     | 65.57 | 65.55 | 65.37 | 67.26      | 69.44 | 73.35 | 76.14                     | 75.53 | 75.29 | 75.81 | 75.81 |
| LOW              | 67.08                     | 65.98 | 65.72 | 65.76 | 68.54      | 70.54 | 75.42 | 77.76                     | 77.25 | 75.68 | 76.11 | 76.03 |
| SUMMARY FOR 2000 | HIGH 65.13 (Apr. 3, 2000) |       |       |       | MEAN 71.01 |       |       | LOW 77.76 (Aug. 18, 2000) |       |       |       |       |

**IDENTIFICATION NUMBER.—13L049.**

COUNTY.—Dougherty

LOCATION.—Lat 31°35'21", long 84°05'10", Hydrologic Unit 03130006.

SITE NAME.—Miller Ammo Supply.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

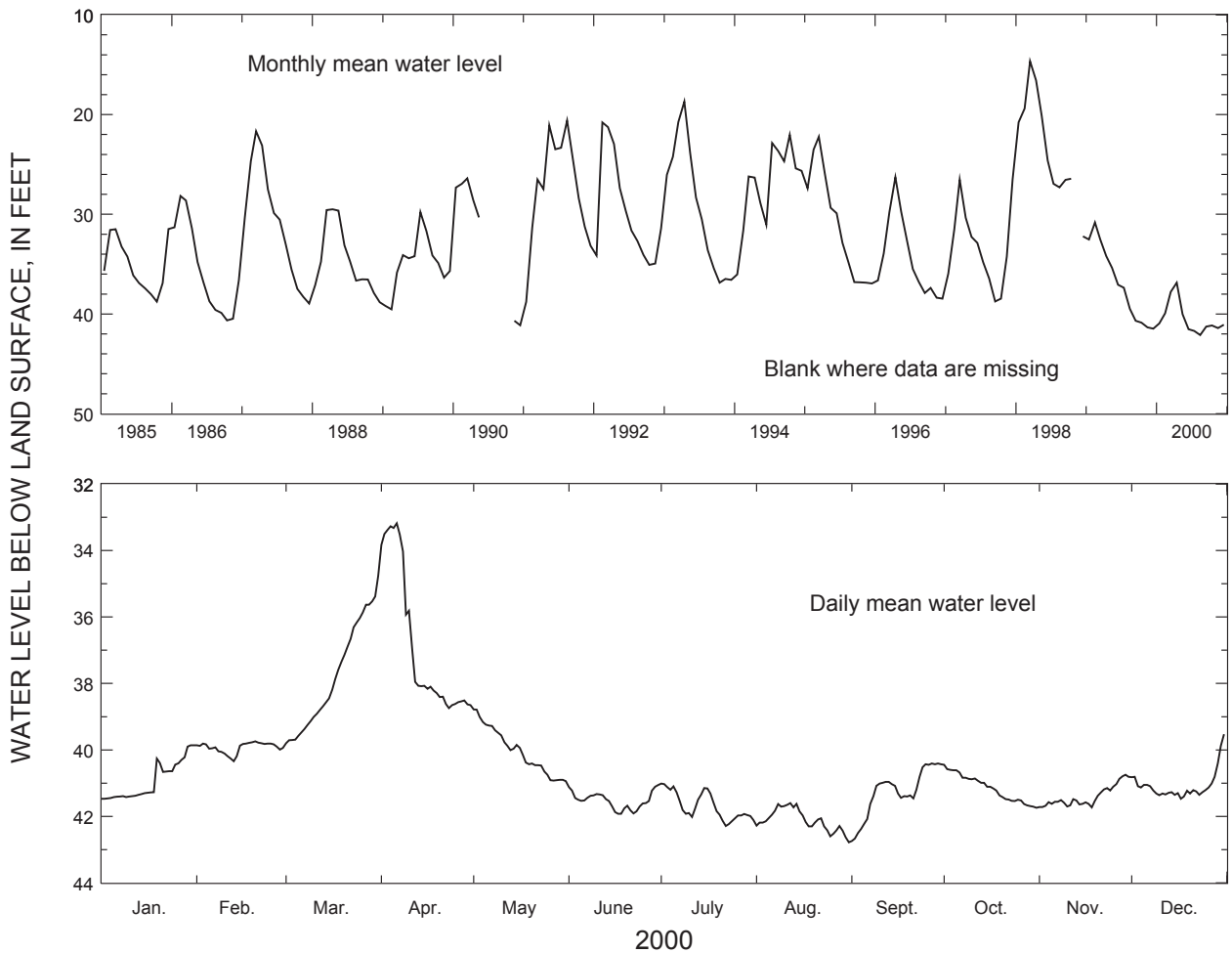
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 170 ft, cased to 103 ft, open hole.

DATUM.—Altitude of land-surface datum is 204 ft.

REMARKS.—Water levels may be affected by stage in the nearby Flint River.

PERIOD OF RECORD.—January 1985 to current year. Continuous record since January 1985.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 12.54 ft below land-surface datum, March 15, 1998;  
lowest, 42.78 ft below land-surface datum, August 31, 2000.



| 2000             | JAN   | FEB   | MAR   | APR                  | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV                   | DEC   |
|------------------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|-------|-----------------------|-------|
| HIGH             | 39.86 | 39.74 | 34.76 | 33.18                | 38.78 | 41.06 | 41.01 | 41.60 | 40.41 | 40.45 | 40.75                 | 39.53 |
| MEAN             | 40.94 | 39.93 | 37.78 | 36.87                | 40.03 | 41.53 | 41.69 | 42.12 | 41.27 | 41.15 | 41.41                 | 41.07 |
| LOW              | 41.47 | 40.34 | 39.80 | 38.74                | 40.94 | 41.92 | 42.29 | 42.78 | 42.74 | 41.74 | 41.73                 | 41.47 |
| SUMMARY FOR 2000 |       |       | HIGH  | 33.18 (Apr. 6, 2000) |       |       | MEAN  | 40.49 |       | LOW   | 42.78 (Aug. 31, 2000) |       |

**IDENTIFICATION NUMBER.—13M005.**

COUNTY.—Worth

LOCATION.—Lat 31°43'30", long 84°00'54", Hydrologic Unit 03130006.

SITE NAME.—U.S. Geological Survey, test well DP-7.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Claiborne.

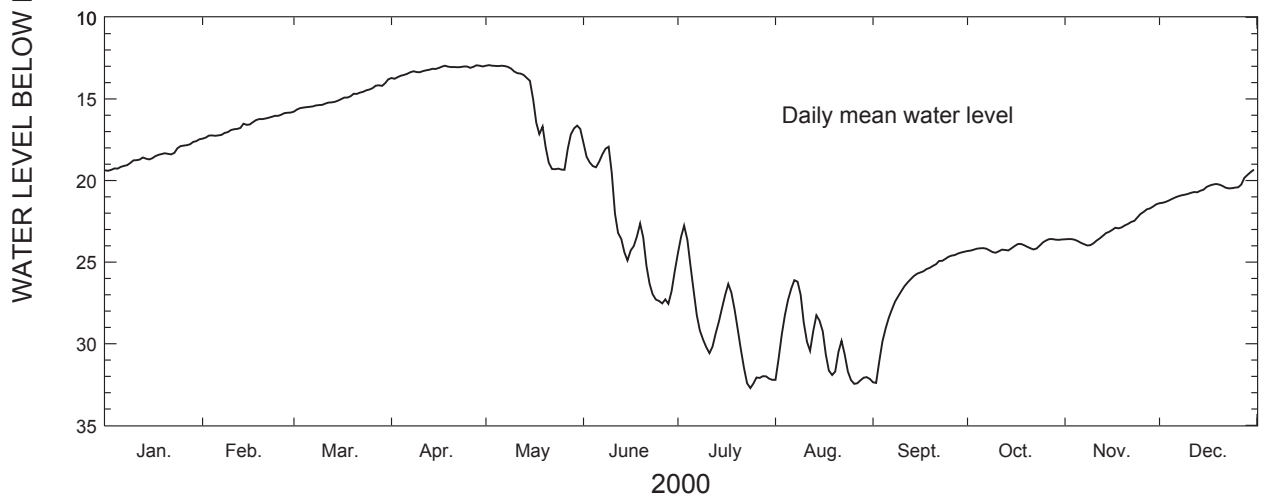
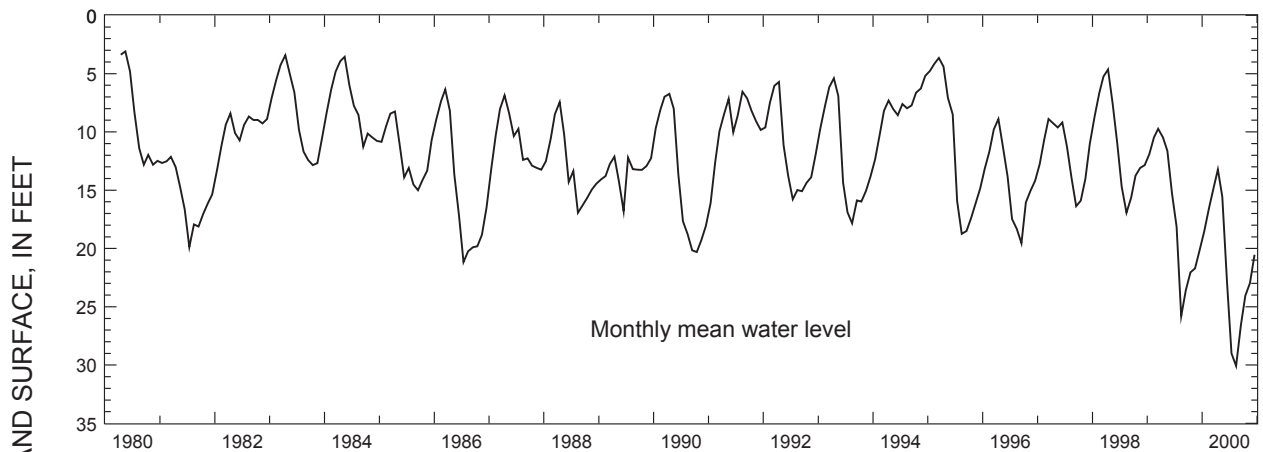
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 345 ft, cased to 330 ft, screen from 330 to 345 ft.

DATUM.—Altitude of land-surface datum is 230 ft.

REMARKS.—None.

PERIOD OF RECORD.—April 1980 to current year. Continuous record since April 1980.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 2.89 ft below land-surface datum, May 29, 1980; lowest, 32.72 ft below land-surface datum, July 24, 2000.



| 2000             | JAN                      | FEB   | MAR   | APR   | MAY        | JUNE  | JULY  | AUG                       | SEPT  | OCT   | NOV   | DEC   |
|------------------|--------------------------|-------|-------|-------|------------|-------|-------|---------------------------|-------|-------|-------|-------|
| HIGH             | 17.47                    | 15.84 | 13.80 | 12.94 | 12.93      | 17.70 | 22.76 | 26.11                     | 24.36 | 23.59 | 21.46 | 19.33 |
| MEAN             | 18.53                    | 16.60 | 14.93 | 13.22 | 15.57      | 23.00 | 29.01 | 30.08                     | 26.56 | 24.05 | 22.98 | 20.54 |
| LOW              | 19.40                    | 17.43 | 15.78 | 13.77 | 19.34      | 27.55 | 32.72 | 32.46                     | 32.40 | 24.42 | 23.98 | 21.39 |
| SUMMARY FOR 2000 | HIGH 12.93 (May 2, 2000) |       |       |       | MEAN 21.28 |       |       | LOW 32.72 (July 24, 2000) |       |       |       |       |



**IDENTIFICATION NUMBER.—13M006.**

COUNTY.—Worth

LOCATION.—Lat 31°43'30", long 84°00'51", Hydrologic Unit 03130006.

SITE NAME.—U.S. Geological Survey, test well DP-8.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

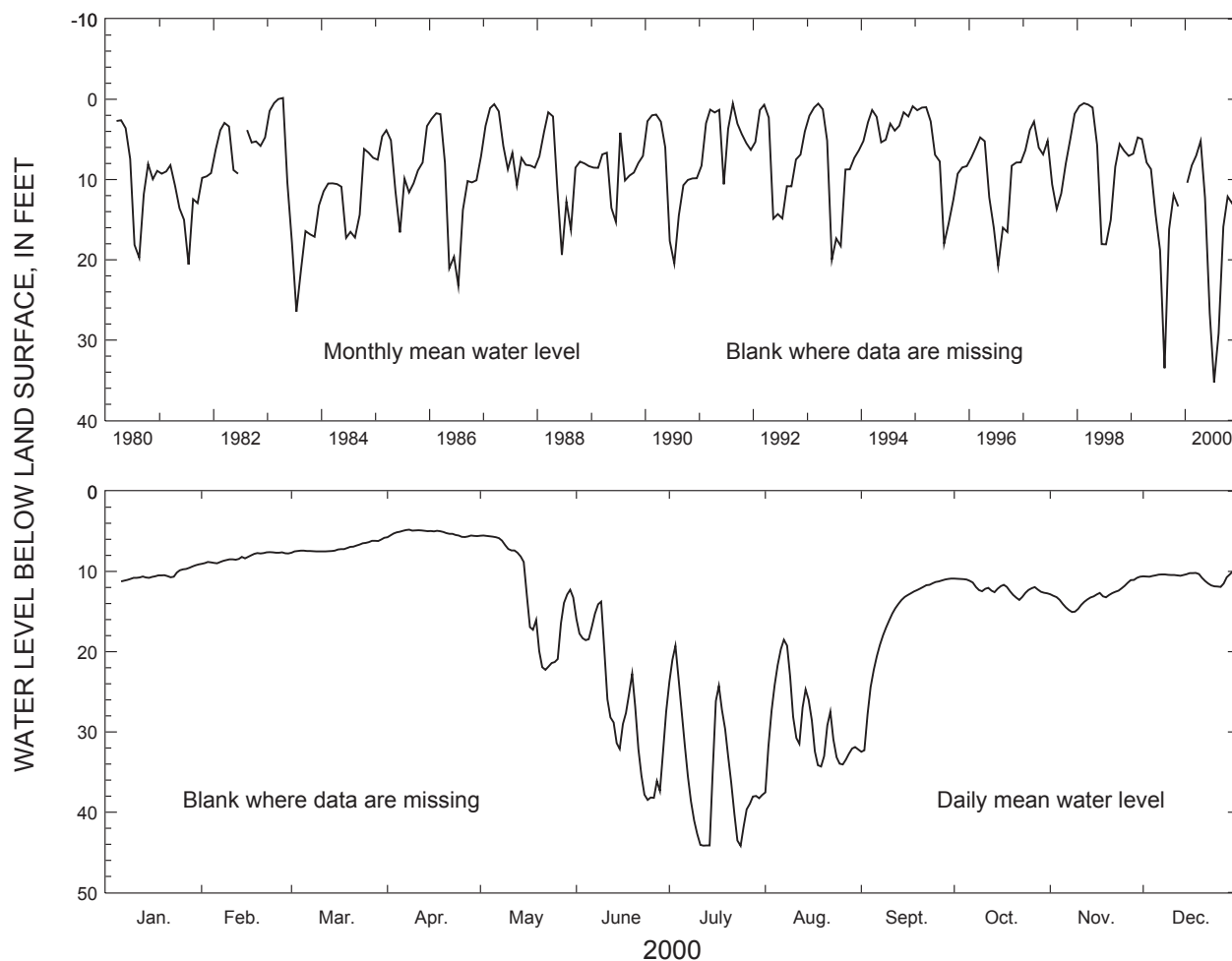
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 123 ft, cased to 63 ft, open hole.

DATUM.—Altitude of land-surface datum is 237 ft.

REMARKS.—Water-level data for period, January 1-5, 2000, are missing.

PERIOD OF RECORD.—March 1980 to current year. Continuous record since March 1980.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 0.49 ft above land-surface datum, April 2, 1983;  
lowest, 44.18 ft below land-surface datum, July 24, 2000.



| 2000             | JAN   | FEB  | MAR  | APR                 | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV                   | DEC   |
|------------------|-------|------|------|---------------------|-------|-------|-------|-------|-------|-------|-----------------------|-------|
| HIGH             | 9.13  | 7.60 | 5.80 | 4.80                | 5.54  | 13.76 | 19.27 | 18.51 | 10.90 | 10.89 | 10.65                 | 9.61  |
| MEAN             | 10.40 | 8.23 | 7.03 | 5.21                | 12.28 | 26.67 | 35.26 | 29.18 | 15.88 | 12.11 | 12.99                 | 10.69 |
| LOW              | 11.24 | 9.06 | 7.67 | 5.73                | 22.26 | 38.46 | 44.18 | 37.53 | 32.48 | 13.55 | 15.06                 | 11.93 |
| SUMMARY FOR 2000 |       |      | HIGH | 4.80 (Apr. 8, 2000) |       |       | MEAN  | 15.61 |       | LOW   | 44.18 (July 24, 2000) |       |

**IDENTIFICATION NUMBER.—13M007.**

COUNTY.—Worth

LOCATION.—Lat 31°43'30", long 84°00'54", Hydrologic Unit 03130006.

SITE NAME.—U.S. Geological Survey, test well DP-9.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Surficial (residuum).

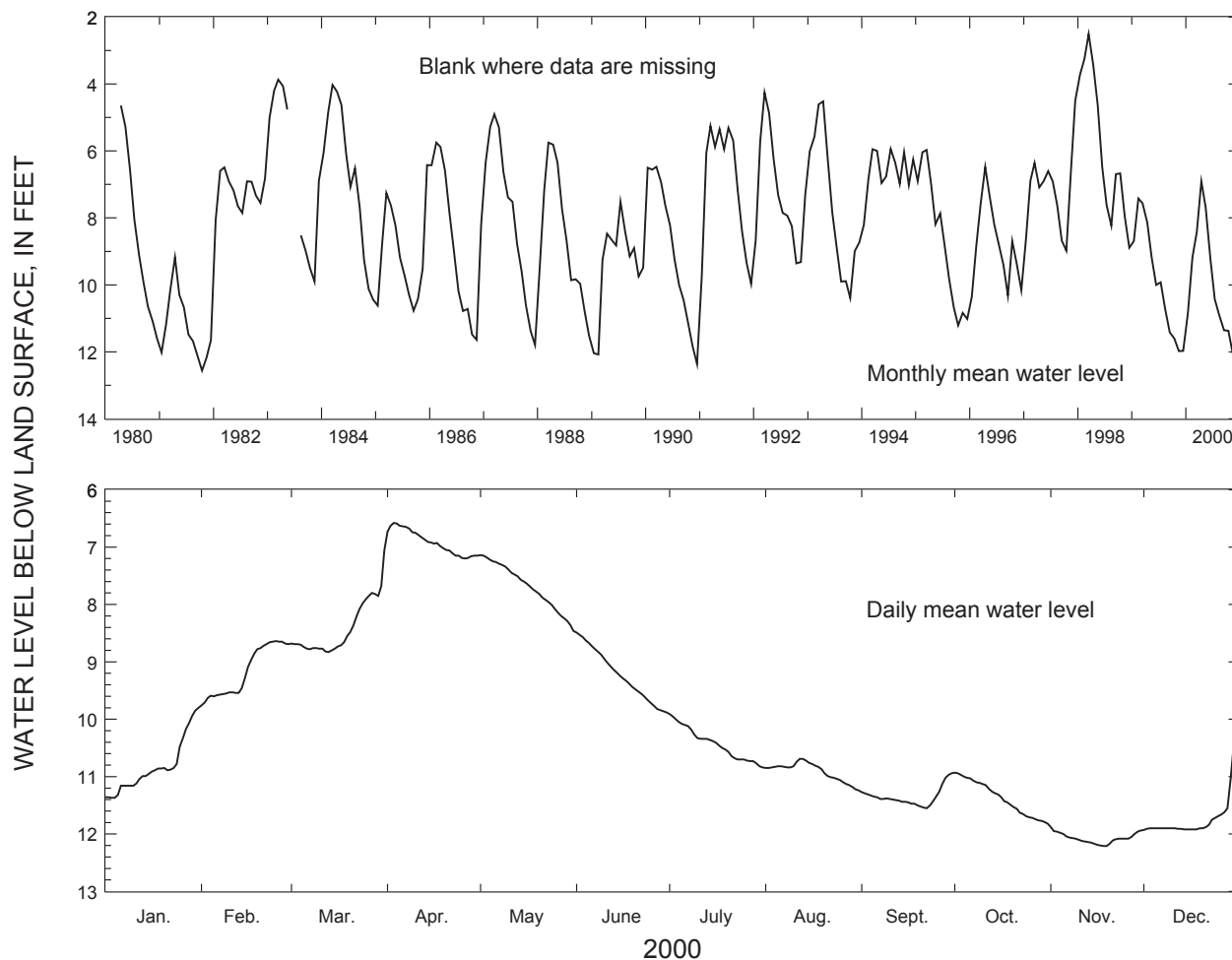
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 25 ft, cased to 10 ft, open hole.

DATUM.—Altitude of land-surface datum is 230 ft.

REMARKS.—None.

PERIOD OF RECORD.—April 1980 to current year. Continuous record since April 1980.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 0.99 ft below land-surface datum, March 9, 1998;  
lowest, 13.03 ft below land-surface datum, October 22, 1981.



| 2000             | JAN                      | FEB  | MAR  | APR        | MAY  | JUNE | JULY                         | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------------------|--------------------------|------|------|------------|------|------|------------------------------|-------|-------|-------|-------|-------|
| HIGH             | 9.80                     | 8.64 | 7.06 | 6.58       | 7.14 | 8.49 | 9.91                         | 10.69 | 10.94 | 10.93 | 11.88 | 10.00 |
| MEAN             | 10.84                    | 9.17 | 8.42 | 6.91       | 7.69 | 9.23 | 10.43                        | 10.91 | 11.36 | 11.37 | 12.08 | 11.72 |
| LOW              | 11.37                    | 9.76 | 8.83 | 7.20       | 8.46 | 9.88 | 10.84                        | 11.24 | 11.55 | 11.82 | 12.21 | 11.93 |
| SUMMARY FOR 2000 | HIGH 6.58 (Apr. 3, 2000) |      |      | MEAN 10.02 |      |      | LOW 12.21 (Nov. 18-19, 2000) |       |       |       |       |       |

**IDENTIFICATION NUMBER.—14P014.**

COUNTY.—Crisp

LOCATION.—Lat 31°57'31", long 83°54'23", Hydrologic Unit 03130006.

SITE NAME.—Georgia Geologic Survey, Veteran's Memorial State Park, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Clayton.

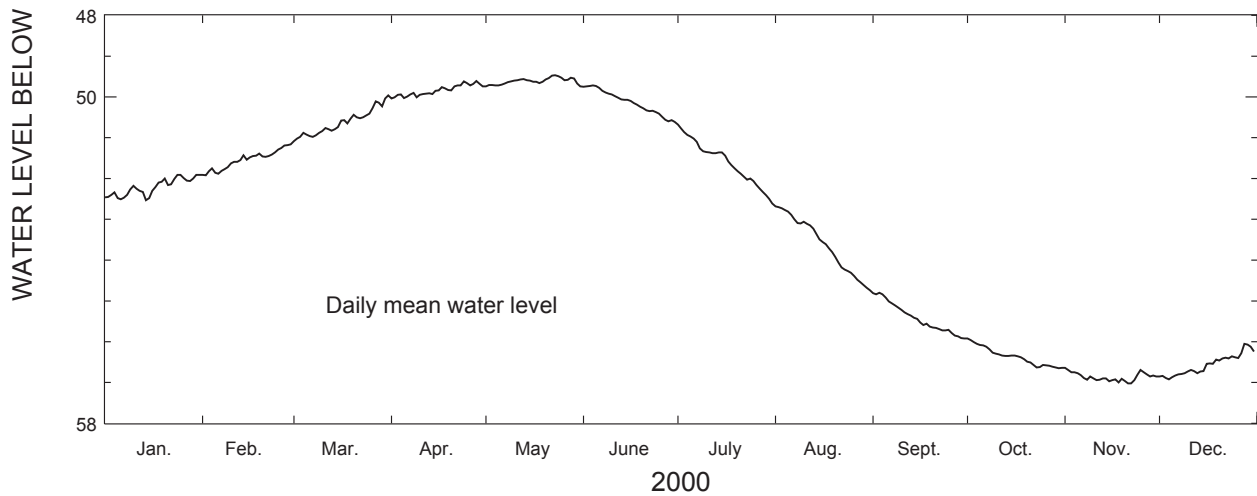
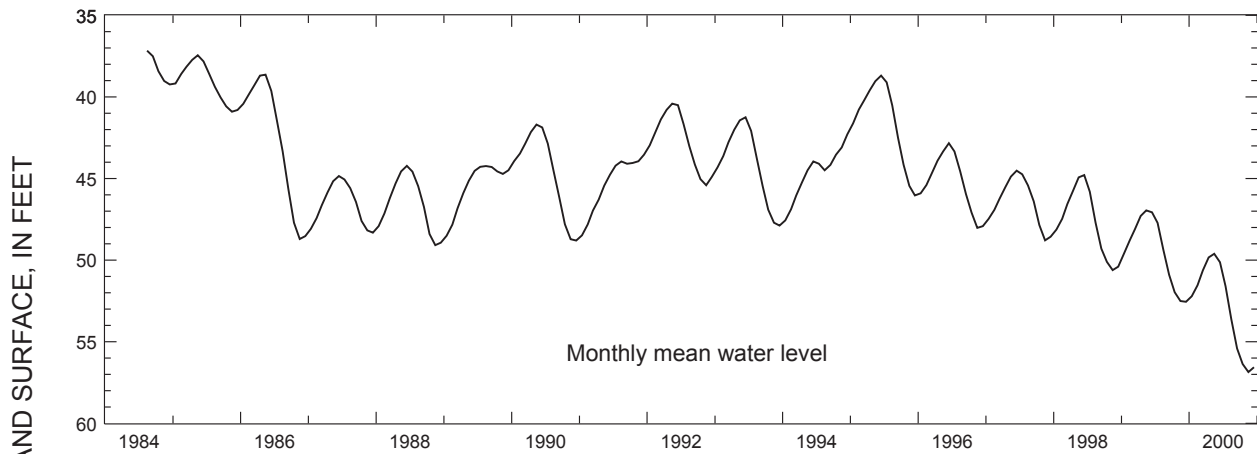
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 550 ft, cased to 500 ft, open hole.

DATUM.—Altitude of land-surface datum is 252 ft.

REMARKS.—None.

PERIOD OF RECORD.—August 1984 to current year. Continuous record since August 1984.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 37.16 ft below land-surface datum, September 2, 1984; lowest, 57.02 ft below land-surface datum, November 21-22, 2000.



| 2000             | JAN   | FEB   | MAR   | APR                  | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV                      | DEC   |
|------------------|-------|-------|-------|----------------------|-------|-------|-------|-------|-------|-------|--------------------------|-------|
| HIGH             | 51.91 | 51.16 | 49.96 | 49.61                | 49.47 | 49.72 | 50.68 | 52.68 | 54.80 | 55.92 | 56.64                    | 56.05 |
| MEAN             | 52.21 | 51.54 | 50.62 | 49.84                | 49.61 | 50.13 | 51.60 | 53.62 | 55.41 | 56.36 | 56.86                    | 56.57 |
| LOW              | 52.53 | 51.92 | 51.08 | 50.04                | 49.74 | 50.61 | 52.61 | 54.74 | 55.92 | 56.65 | 57.02                    | 56.92 |
| SUMMARY FOR 2000 |       |       | HIGH  | 49.47 (May 23, 2000) |       |       | MEAN  | 52.87 |       | LOW   | 57.02 (Nov. 21-22, 2000) |       |

**IDENTIFICATION NUMBER.—14P015.**

COUNTY.—Crisp

LOCATION.—Lat 31°57'31", long 83°54'23", Hydrologic Unit 03130006.

SITE NAME.—Georgia Geologic Survey, Veteran's Memorial State Park, test well 2.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Claiborne.

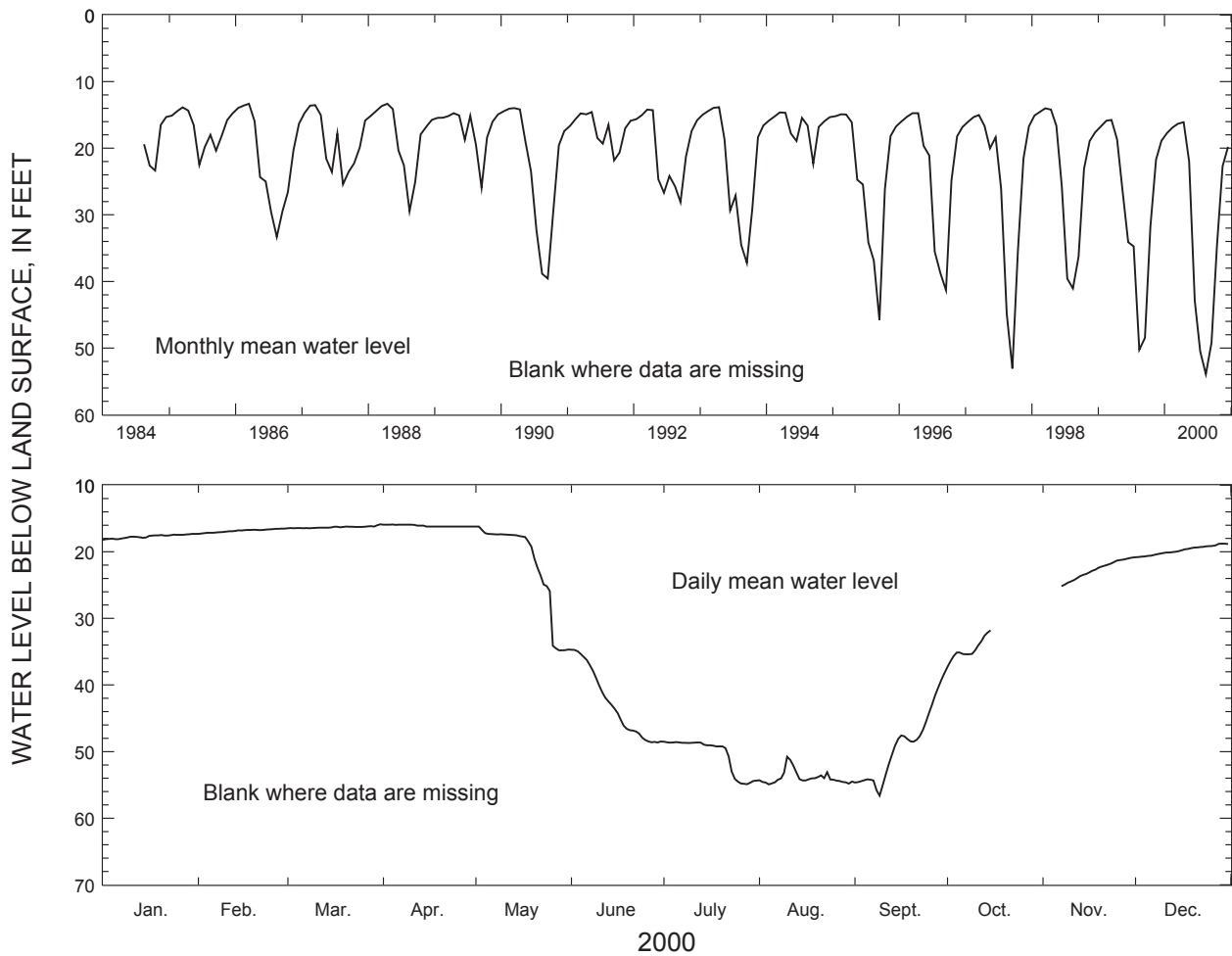
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 340 ft, cased to 240 ft, screen from 240 to 340 ft.

DATUM.—Altitude of land-surface datum is 252 ft.

REMARKS.—Water-level data for period, October 16 to November 6, 2000, are missing.

PERIOD OF RECORD.—August 1984 to current year. Continuous record since August 1984.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 11.13 ft below land-surface datum, July 10, 1994;  
lowest, 56.63 ft below land-surface datum, September 9, 2000.



| 2000             | JAN   | FEB   | MAR   | APR                   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV                   | DEC   |
|------------------|-------|-------|-------|-----------------------|-------|-------|-------|-------|-------|-------|-----------------------|-------|
| HIGH             | 17.32 | 16.51 | 15.86 | 15.90                 | 16.22 | 34.70 | 48.51 | 50.78 | 38.26 | ----- | -----                 | 18.77 |
| MEAN             | 17.70 | 16.85 | 16.31 | 16.10                 | 21.99 | 42.89 | 50.51 | 53.92 | 49.21 | ----- | -----                 | 19.78 |
| LOW              | 18.21 | 17.30 | 16.48 | 16.22                 | 34.80 | 48.64 | 54.90 | 54.91 | 56.63 | ----- | -----                 | 20.81 |
| SUMMARY FOR 2000 |       |       | HIGH  | 15.86 (Mar. 31, 2000) |       |       | MEAN  | 30.19 |       | LOW   | 56.63 (Sept. 9, 2000) |       |

**IDENTIFICATION NUMBER.—15L020.**

COUNTY.—Worth

LOCATION.—Lat 31°31'46", long 83°49'16", Hydrologic Unit 03110204.

SITE NAME.—City of Sylvester.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

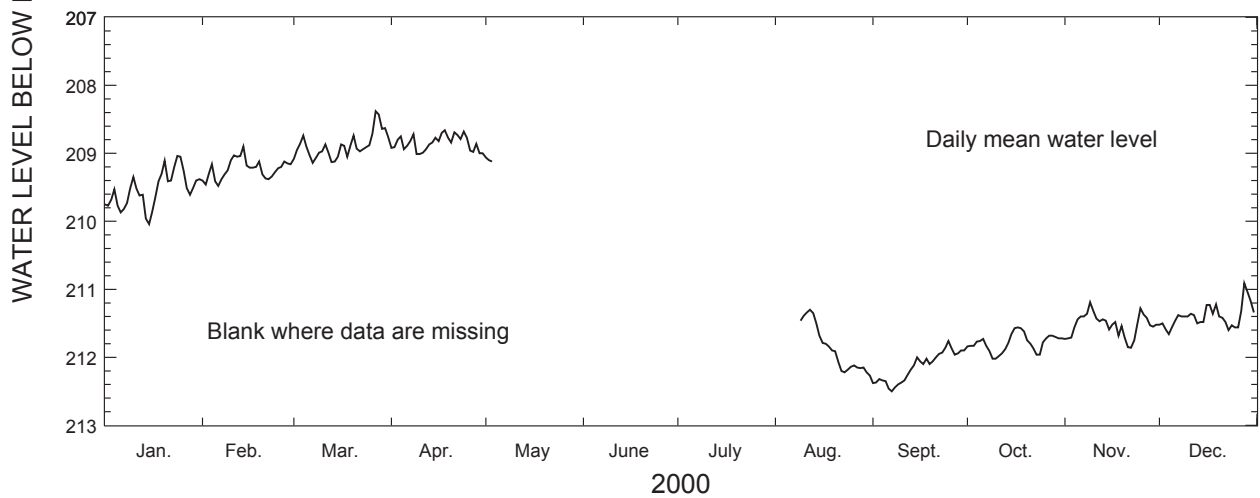
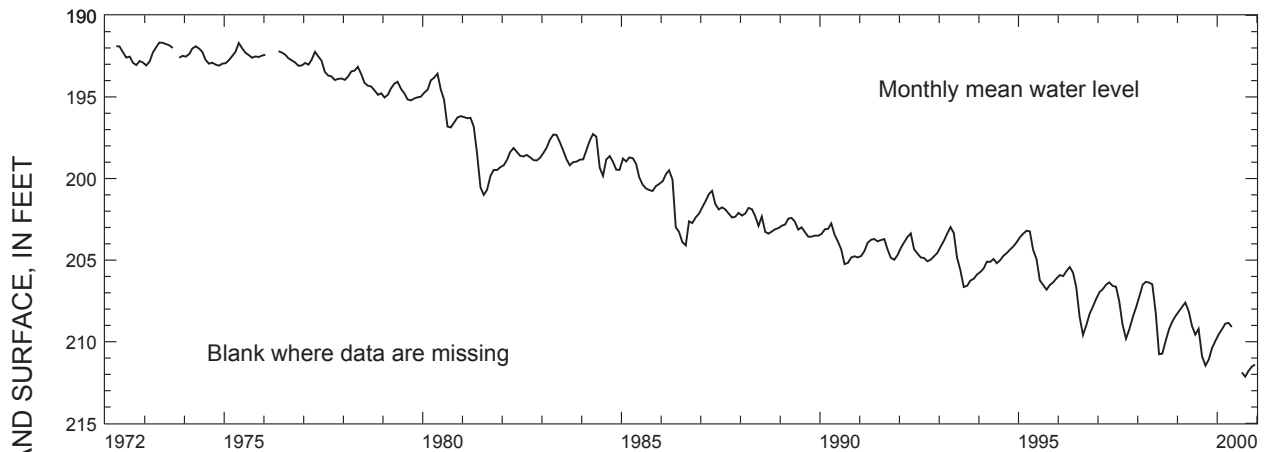
WELL CHARACTERISTICS.—Drilled unused municipal well, diameter 18 in., depth 450 ft, cased to 212 ft, open hole.

DATUM.—Altitude of land-surface datum is 420 ft.

REMARKS.—Water-level data for period, May 4 to August 8, 2000, are missing.

PERIOD OF RECORD.—April 1972 to current year. Continuous record since April 1972.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 191.50 ft below land-surface datum, May 17, 1973;  
lowest, 212.50 ft below land-surface datum, September 7, 2000.



| 2000             | JAN    | FEB    | MAR                         | APR    | MAY   | JUNE  | JULY       | AUG   | SEPT                       | OCT    | NOV    | DEC    |
|------------------|--------|--------|-----------------------------|--------|-------|-------|------------|-------|----------------------------|--------|--------|--------|
| HIGH             | 209.04 | 208.90 | 208.38                      | 208.66 | ----- | ----- | -----      | ----- | 211.76                     | 211.56 | 211.19 | 210.91 |
| MEAN             | 209.54 | 209.23 | 208.89                      | 208.85 | ----- | ----- | -----      | ----- | 212.14                     | 211.79 | 211.53 | 211.40 |
| LOW              | 210.04 | 209.48 | 209.14                      | 209.01 | ----- | ----- | -----      | ----- | 212.50                     | 212.02 | 211.86 | 211.66 |
| SUMMARY FOR 2000 |        |        | HIGH 208.38 (Mar. 27, 2000) |        |       |       | MEAN ----- |       | LOW 212.50 (Sept. 7, 2000) |        |        |        |

**IDENTIFICATION NUMBER.—16MM03.**

COUNTY.—White

LOCATION.—Lat 34°43'14", long 83°43'32", Hydrologic Unit 03130001.

SITE NAME.—Unicoi State Park, well 4.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Crystalline rock.

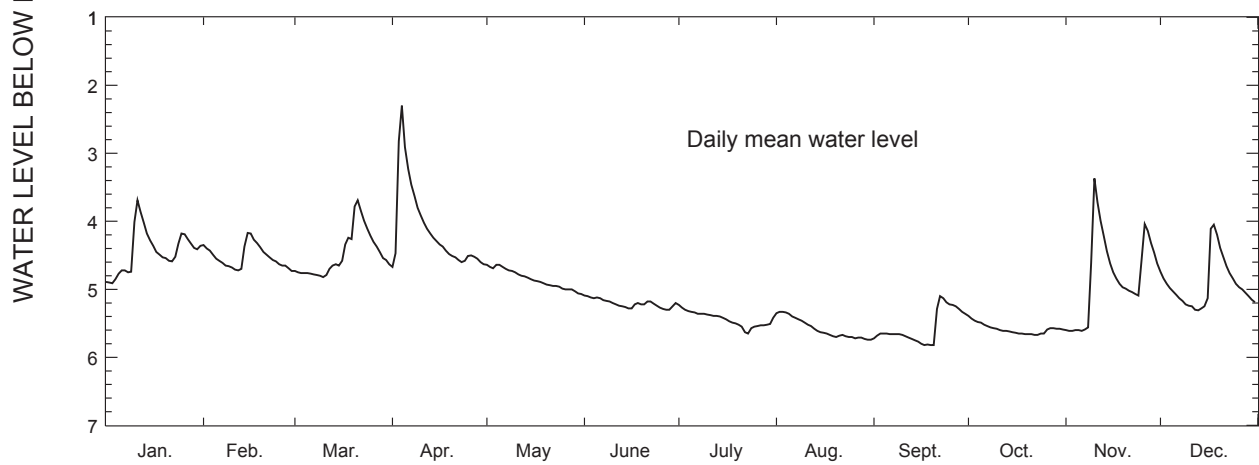
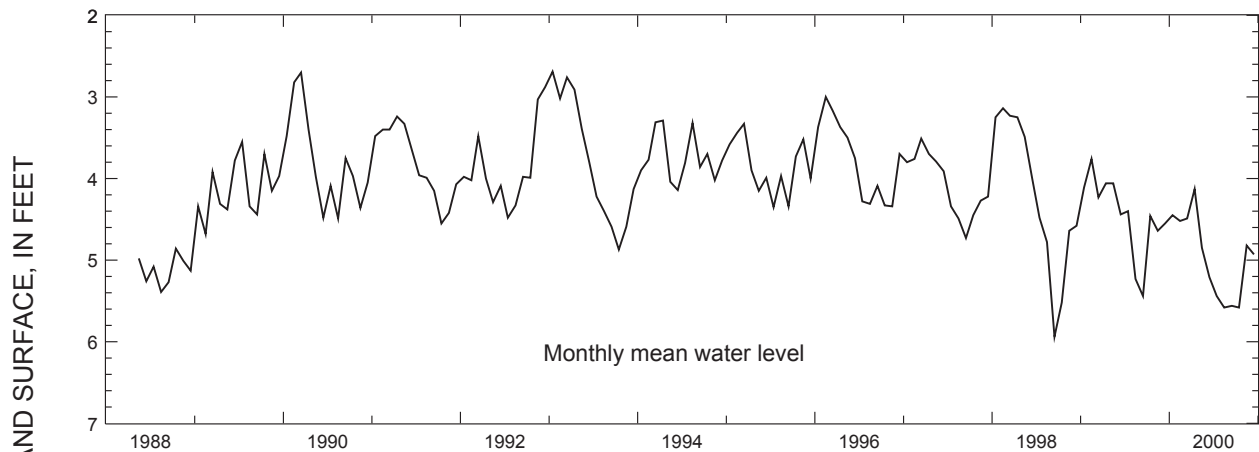
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 6.25 in., depth 400 ft, cased to 72 ft, open hole.

DATUM.—Altitude of land-surface datum is 1550 ft.

REMARKS.—None.

PERIOD OF RECORD.—May 1988 to current year. Continuous record since May 1988.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 0.58 ft above land-surface datum, January 8, 1998;  
lowest, 6.49 ft below land-surface datum, September 28, 1998.



|      | 2000 |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2000 | JAN  | FEB  | MAR  | APR  | MAY  | JUNE | JULY | AUG  | SEPT | OCT  | NOV  | DEC  |
| HIGH | 3.69 | 4.17 | 3.69 | 2.30 | 4.64 | 5.09 | 5.23 | 5.33 | 5.10 | 5.39 | 3.37 | 4.05 |
| MEAN | 4.45 | 4.52 | 4.49 | 4.13 | 4.85 | 5.21 | 5.44 | 5.58 | 5.56 | 5.58 | 4.82 | 4.93 |
| LOW  | 4.91 | 4.73 | 4.82 | 4.67 | 5.07 | 5.30 | 5.65 | 5.74 | 5.82 | 5.67 | 5.61 | 5.31 |

SUMMARY FOR 2000    HIGH 2.30 (Apr. 4, 2000)    MEAN 4.97    LOW 5.82 (Sept. 17, 19-20, 2000)

**IDENTIFICATION NUMBER.—18H016.**

COUNTY.—Cook

LOCATION.—Lat 31°08'13", long 83°26'03", Hydrologic Unit 03110203.

SITE NAME.—U.S. Geological Survey, Adel test well.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

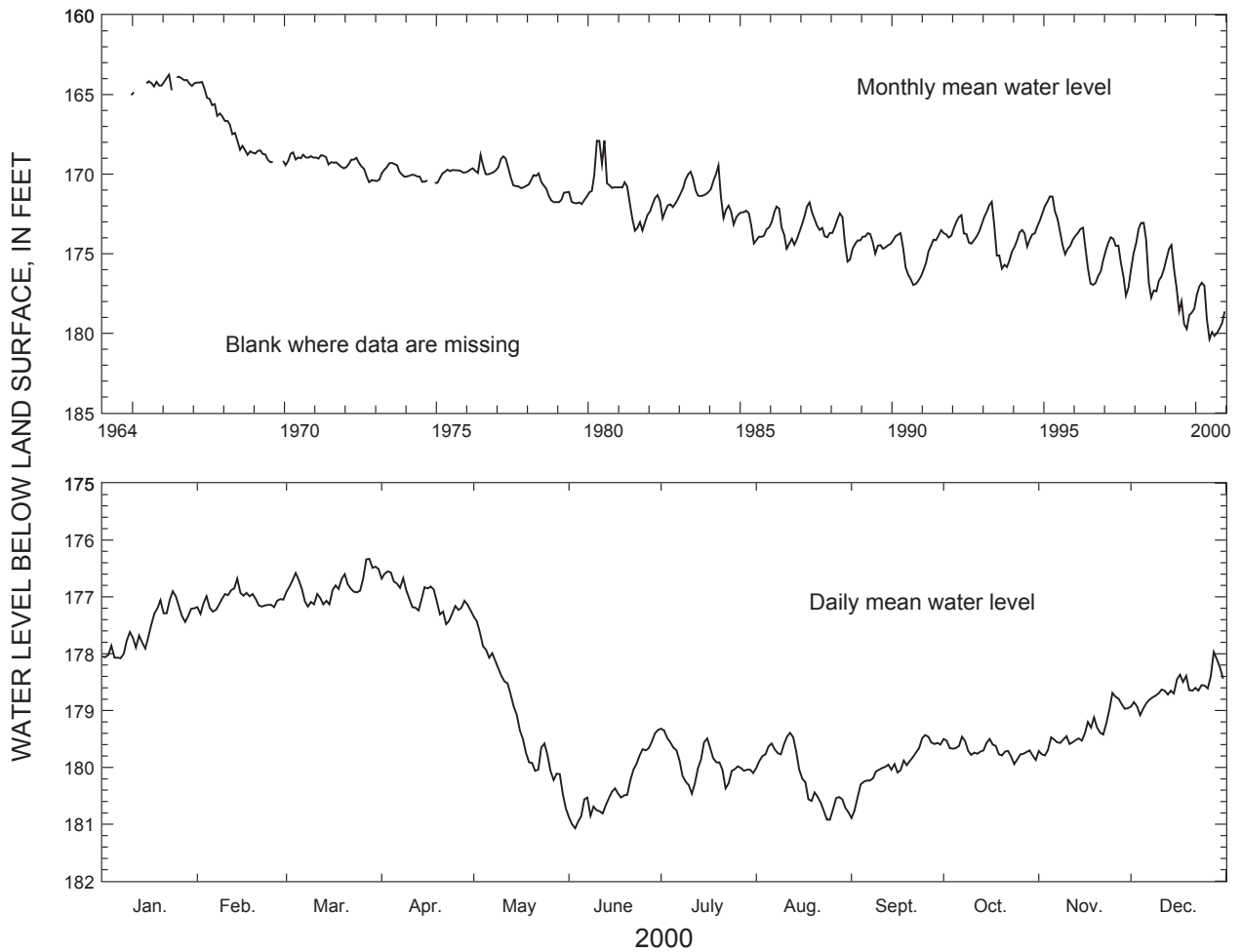
WELL CHARACTERISTICS.—Drilled observation well, diameter 8 in., depth 865 ft, cased to 207 ft, open hole.

DATUM.—Altitude of land-surface datum is 241 ft.

REMARKS.—None.

PERIOD OF RECORD.—December 1964 to current year. Continuous record since June 1965.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 163.34 ft below land-surface datum, July 5, 1966;  
lowest, 181.07 ft below land-surface datum, June 3, 2000.



| 2000             | JAN    | FEB    | MAR                         | APR    | MAY    | JUNE   | JULY        | AUG    | SEPT                      | OCT    | NOV    | DEC    |
|------------------|--------|--------|-----------------------------|--------|--------|--------|-------------|--------|---------------------------|--------|--------|--------|
| HIGH             | 176.90 | 176.68 | 176.33                      | 176.55 | 177.35 | 179.34 | 179.32      | 179.39 | 179.43                    | 179.46 | 178.69 | 177.97 |
| MEAN             | 177.57 | 177.06 | 176.82                      | 177.01 | 179.10 | 180.37 | 179.92      | 180.17 | 179.97                    | 179.70 | 179.34 | 178.62 |
| LOW              | 178.08 | 177.30 | 177.17                      | 177.48 | 180.72 | 181.07 | 180.46      | 180.92 | 180.89                    | 179.94 | 179.79 | 179.08 |
| SUMMARY FOR 2000 |        |        | HIGH 176.33 (Mar. 28, 2000) |        |        |        | MEAN 178.81 |        | LOW 181.07 (June 3, 2000) |        |        |        |

**IDENTIFICATION NUMBER.—18K049.**

COUNTY.—Tift

LOCATION.—Lat 31°27'12", long 82°59'33", Hydrologic Unit 03110203.

SITE NAME.—U.S. Geological Survey, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

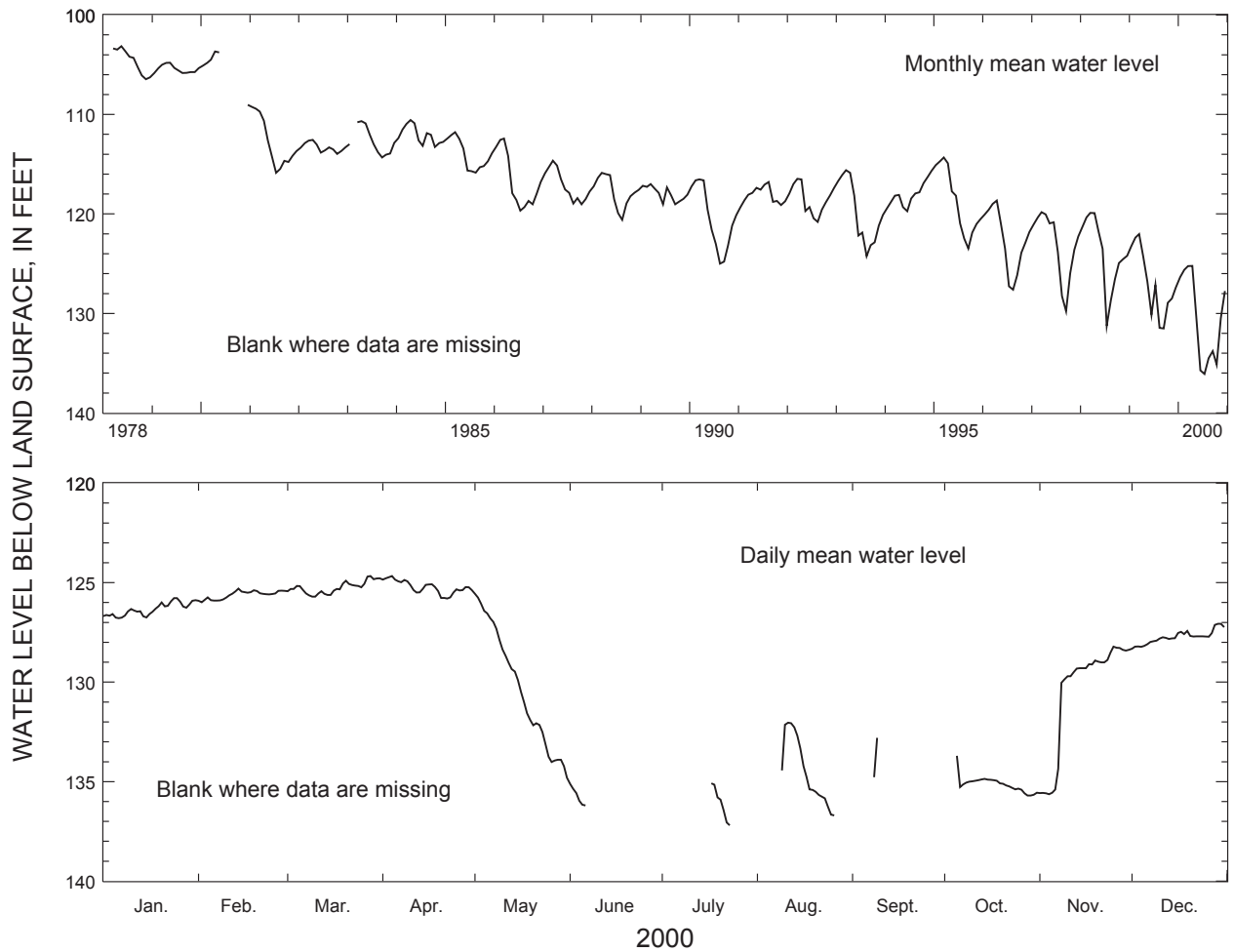
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 620 ft, cased to 270 ft, open hole.

DATUM.—Altitude of land-surface datum is 330 ft.

REMARKS.—Water-level data for periods, June 7 to July 16, July 24 to August 8, August 27 to September 7, and September 10 to October 4, 2000, are missing.

PERIOD OF RECORD.—March 1978 to current year. Continuous record since March 1978.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 102.70 ft below land-surface datum, May 14, 1978; lowest, 137.20 ft below land-surface datum, July 23, 2000, but may have been lower during period of missing record.



| 2000             | JAN                                 | FEB    | MAR    | APR    | MAY    | JUNE       | JULY  | AUG   | SEPT                       | OCT    | NOV    | DEC    |
|------------------|-------------------------------------|--------|--------|--------|--------|------------|-------|-------|----------------------------|--------|--------|--------|
| HIGH             | 125.78                              | 125.30 | 124.67 | 124.67 | 125.56 | -----      | ----- | ----- | -----                      | 133.70 | 128.22 | 127.07 |
| MEAN             | 126.35                              | 125.62 | 125.25 | 125.23 | 130.31 | -----      | ----- | ----- | -----                      | 135.14 | 130.51 | 127.74 |
| LOW              | 126.79                              | 125.99 | 125.70 | 125.80 | 134.80 | -----      | ----- | ----- | -----                      | 135.70 | 135.63 | 128.32 |
| SUMMARY FOR 2000 | HIGH 124.67 (Mar. 28, Apr. 4, 2000) |        |        |        |        | MEAN ----- |       |       | LOW 137.20 (July 23, 2000) |        |        |        |



**IDENTIFICATION NUMBER.—18T001.**

COUNTY.—Pulaski

LOCATION.—Lat 32°22'45", long 83°29'01", Hydrologic Unit 03070104.

SITE NAME.—U.S. Geological Survey, Arrowhead test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Midville aquifer system.

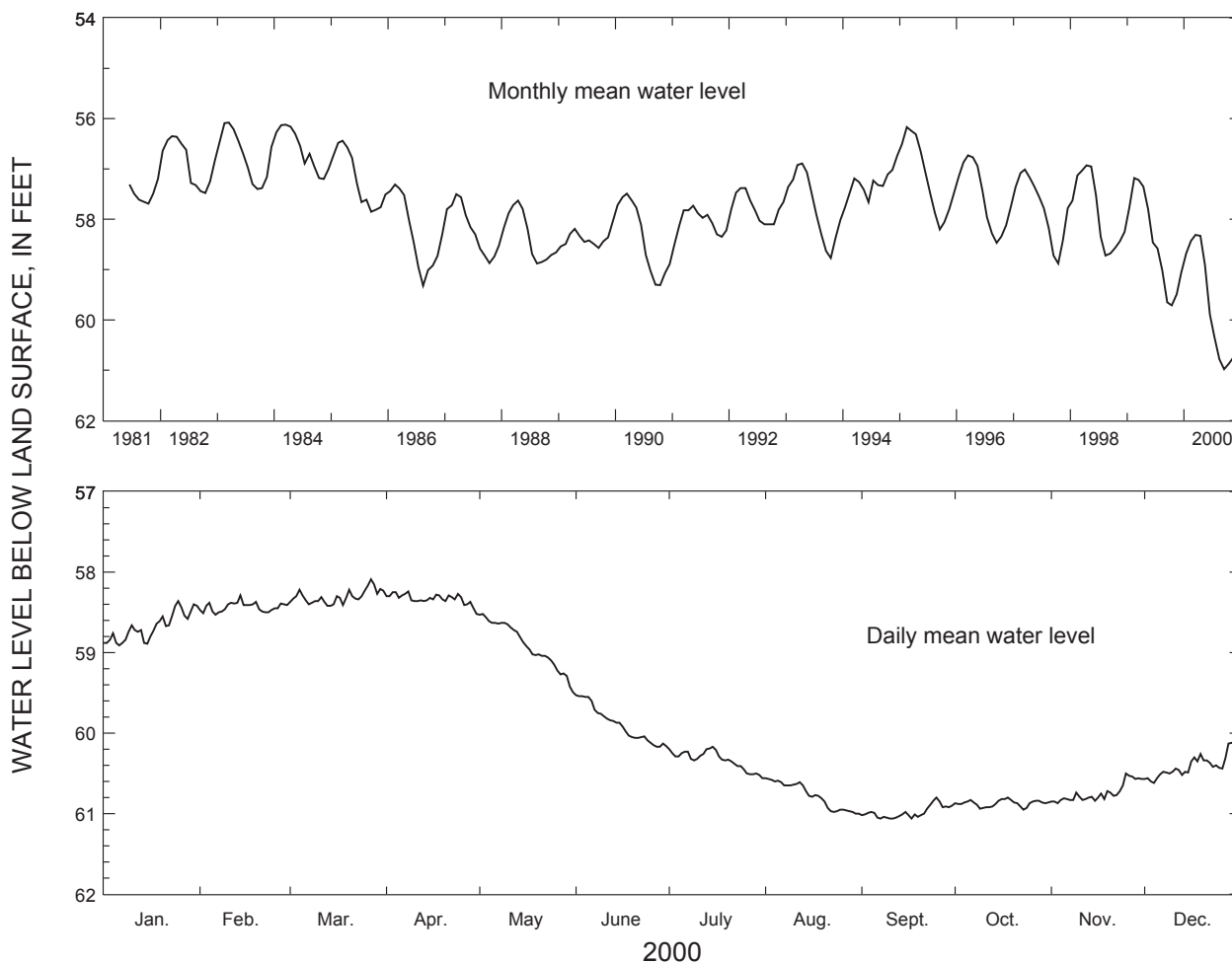
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 1,555 ft, cased to 970 ft, screened intervals, 970-980 ft, 1,110-1,130 ft, and 1,270-1,280 ft.

DATUM.—Altitude of land-surface datum is 334 ft.

REMARKS.—None.

PERIOD OF RECORD.— June 1981 to current year. Continuous record since June 1981.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 53.90 ft below land-surface datum, July 9, 1994;  
lowest, 61.06 ft below land-surface datum, September 17, 2000.



| 2000             | JAN                        | FEB   | MAR        | APR   | MAY                                      | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------------------|----------------------------|-------|------------|-------|--|-------|-------|-------|-------|-------|-------|-------|
| HIGH             | 58.36                      | 58.29 | 58.09      | 58.24 | 58.52                                    | 59.53 | 60.17 | 60.56 | 60.80 | 60.80 | 60.50 | 60.12 |
| MEAN             | 58.68                      | 58.43 | 58.31      | 58.33 | 58.91                                    | 59.89 | 60.34 | 60.78 | 60.98 | 60.87 | 60.74 | 60.41 |
| LOW              | 58.91                      | 58.53 | 58.42      | 58.52 | 59.49                                    | 60.17 | 60.56 | 61.00 | 61.06 | 60.95 | 60.87 | 60.62 |
| SUMMARY FOR 2000 | HIGH 58.09 (Mar. 27, 2000) |       | MEAN 59.73 |       | LOW 61.06 (Sept. 7, 10-11, and 17, 2000) |       |       |       |       |       |       |       |

**IDENTIFICATION NUMBER.—18U001.**

COUNTY.—Twiggs

LOCATION.—Lat 32°33'02", long 83°26'34", Hydrologic Unit 03070104.

SITE NAME.—Georgia Kraft, U.S. Geological Survey, test well 3.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Dublin aquifer system.

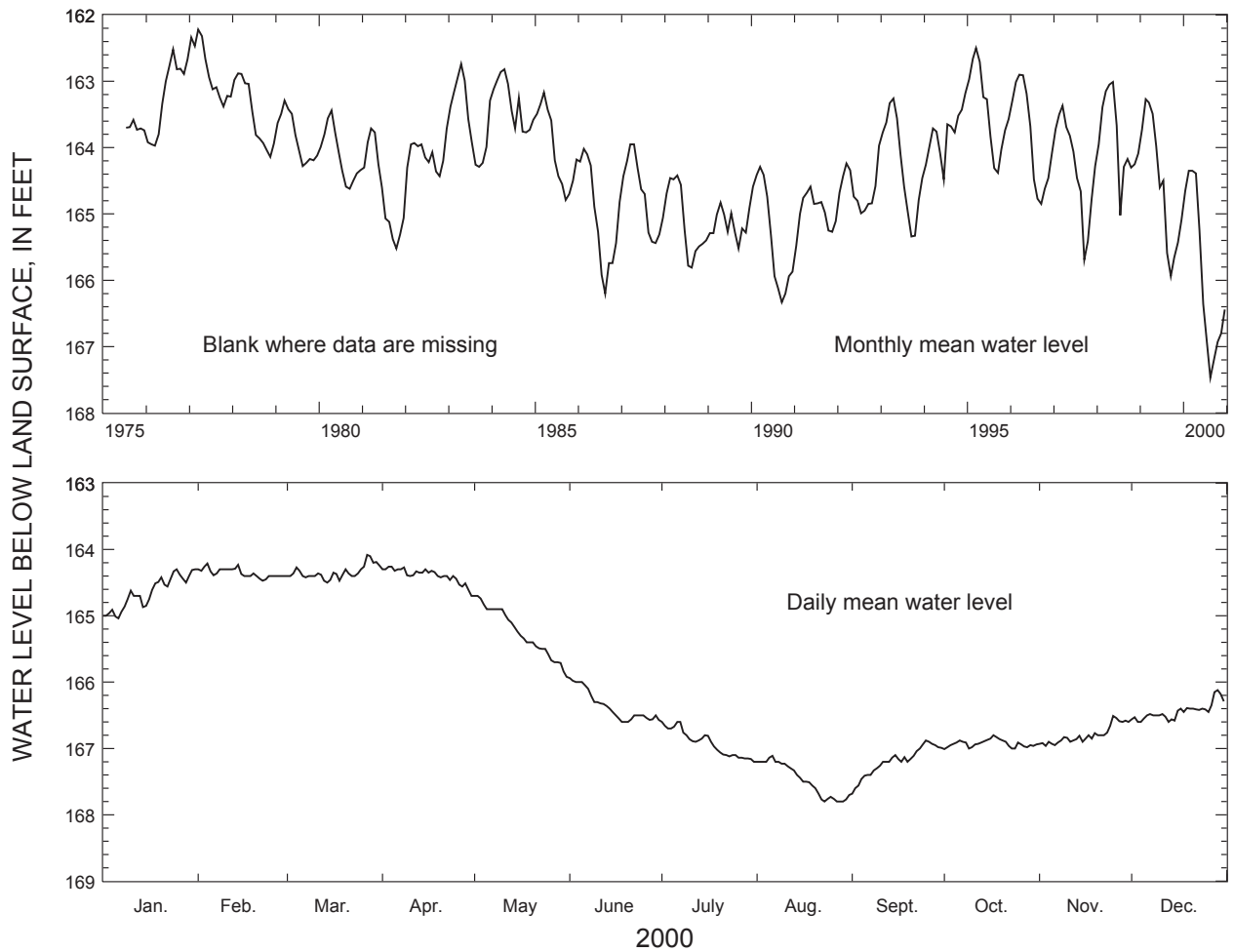
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 616 ft, cased to 586 ft, screen from 586 to 616 ft.

DATUM.—Altitude of land-surface datum is 442 ft.

REMARKS.—None.

PERIOD OF RECORD.—July 1975 to current year. Continuous record since July 1975.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 162.00 ft below land-surface datum, April 4, 1977; lowest, 167.80 ft below land-surface datum, August 27-29, 2000.



| 2000 | JAN    | FEB    | MAR    | APR    | MAY    | JUNE   | JULY   | AUG    | SEPT   | OCT    | NOV    | DEC    |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| HIGH | 164.30 | 164.21 | 164.08 | 164.26 | 164.70 | 165.94 | 166.60 | 167.11 | 166.88 | 166.80 | 166.51 | 166.12 |
| MEAN | 164.65 | 164.35 | 164.35 | 164.39 | 165.25 | 166.36 | 166.92 | 167.47 | 167.19 | 166.93 | 166.80 | 166.44 |
| LOW  | 165.04 | 164.47 | 164.50 | 164.70 | 165.92 | 166.60 | 167.20 | 167.80 | 167.68 | 167.01 | 166.96 | 166.60 |

SUMMARY FOR 2000 HIGH 164.08 (Mar. 27, 2000) MEAN 165.93 LOW 167.80 (Aug. 23 and 27-29, 2000)

**IDENTIFICATION NUMBER.—19E009.**

COUNTY.—Lowndes

LOCATION.—Lat 30°49'51", long 83°16'58", Hydrologic Unit 03110202.

SITE NAME.—City of Valdosta.

INSTRUMENTATION.—Electronic data recorder with GOES Satellite transmitter.

AQUIFER.—Upper Floridan.

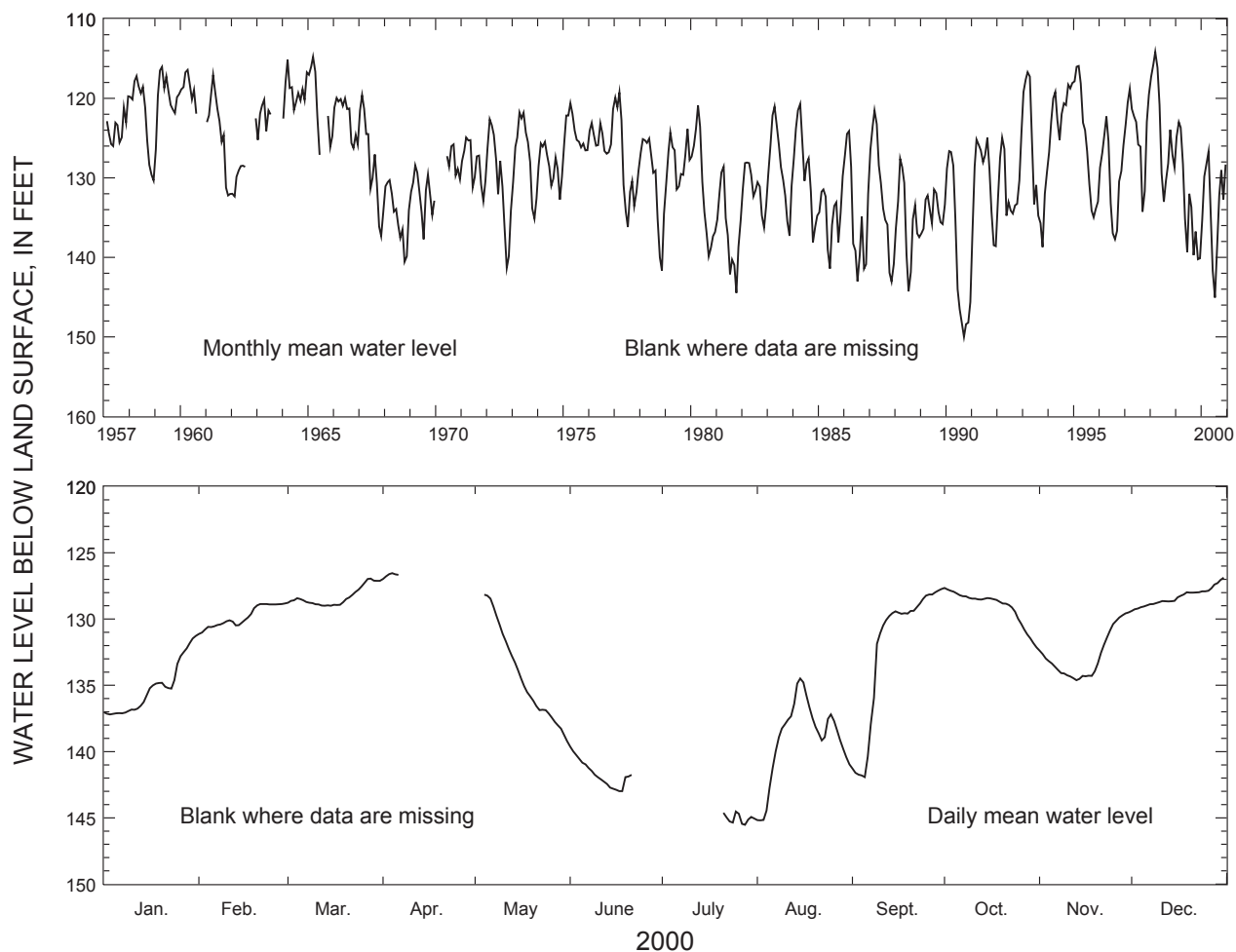
WELL CHARACTERISTICS.—Drilled unused municipal supply well, diameter 20 in., depth 342 ft, cased to 200 ft, open hole.

DATUM.—Altitude of land-surface datum is 217 ft.

REMARKS.—Water-level data for periods April 7 to May 3 and June 22 to July 20, 2000, are missing.

PERIOD OF RECORD.—February 1957 to current year. Continuous record since February 1957.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 112.69 ft below land-surface datum, March 9, 1964; lowest, 151.79 ft below land-surface datum, September 19, 1990.



| 2000             | JAN    | FEB    | MAR    | APR                   | MAY    | JUNE  | JULY  | AUG    | SEPT   | OCT                    | NOV    | DEC    |
|------------------|--------|--------|--------|-----------------------|--------|-------|-------|--------|--------|------------------------|--------|--------|
| HIGH             | 131.27 | 128.82 | 126.95 | -----                 | 128.16 | ----- | ----- | 134.49 | 127.74 | 127.65                 | 129.50 | 126.88 |
| MEAN             | 135.26 | 129.83 | 128.32 | -----                 | 134.28 | ----- | ----- | 139.04 | 132.21 | 129.04                 | 132.75 | 128.33 |
| LOW              | 137.20 | 131.12 | 129.00 | -----                 | 139.20 | ----- | ----- | 145.19 | 141.93 | 132.14                 | 134.61 | 129.39 |
| SUMMARY FOR 2000 |        |        | HIGH   | 126.53 (Apr. 4, 2000) |        |       | MEAN  | -----  | LOW    | 145.52 (July 28, 2000) |        |        |

**IDENTIFICATION NUMBER.—19HH12.**

COUNTY.—Madison

LOCATION.—Lat 34°10'20", long 83°20'17", Hydrologic Unit 03060104.

SITE NAME.—Meadowlake Estates.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Crystalline rock.

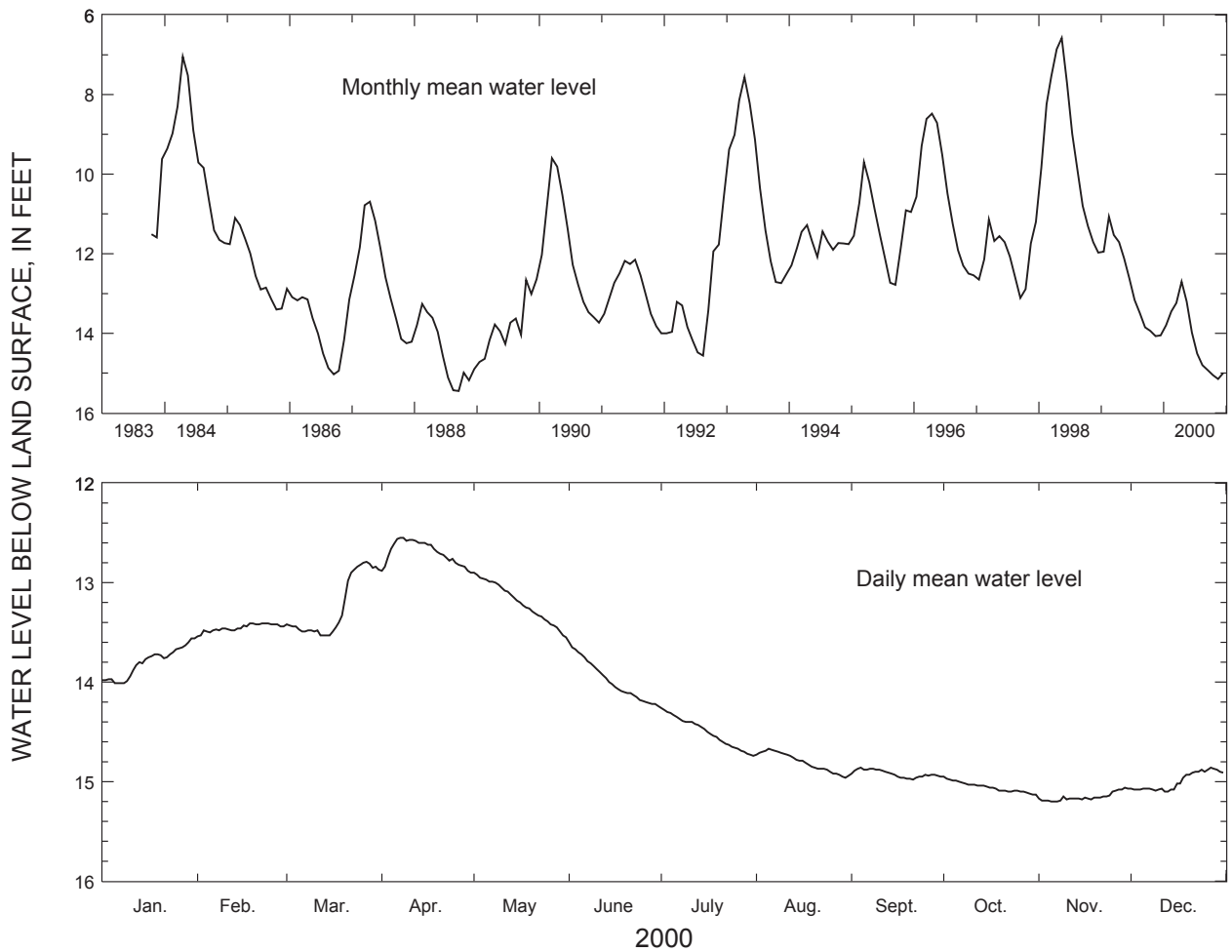
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 6 in., depth 185 ft, cased to 50 ft, open hole.

DATUM.—Altitude of land-surface datum is 800 ft.

REMARKS.—None.

PERIOD OF RECORD.—October 1983 to current year. Continuous record since October 1983.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 6.16 ft below land-surface datum, May 11, 1998;  
lowest, 15.56 ft below land-surface datum, September 2-3, 1988.



| 2000             | JAN                         | FEB   | MAR   | APR        | MAY   | JUNE  | JULY                       | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------------------|-----------------------------|-------|-------|------------|-------|-------|----------------------------|-------|-------|-------|-------|-------|
| HIGH             | 13.56                       | 13.41 | 12.79 | 12.55      | 12.90 | 13.60 | 14.26                      | 14.67 | 14.86 | 14.95 | 15.06 | 14.86 |
| MEAN             | 13.80                       | 13.45 | 13.24 | 12.70      | 13.20 | 13.98 | 14.51                      | 14.80 | 14.92 | 15.05 | 15.15 | 15.00 |
| LOW              | 14.01                       | 13.54 | 13.53 | 12.90      | 13.55 | 14.24 | 14.74                      | 14.96 | 14.98 | 15.13 | 15.20 | 15.10 |
| SUMMARY FOR 2000 | HIGH 12.55 (Apr. 7-8, 2000) |       |       | MEAN 14.15 |       |       | LOW 15.20 (Nov. 5-7, 2000) |       |       |       |       |       |

**IDENTIFICATION NUMBER.—21BB04.**

COUNTY.—Greene

LOCATION.—Lat 33°28'08", long 83°01'02", Hydrologic Unit 03070101.

SITE NAME.—Charles Veazey.

INSTRUMENTATION.—Analog recorder.

AQUIFER.—Crystalline rock.

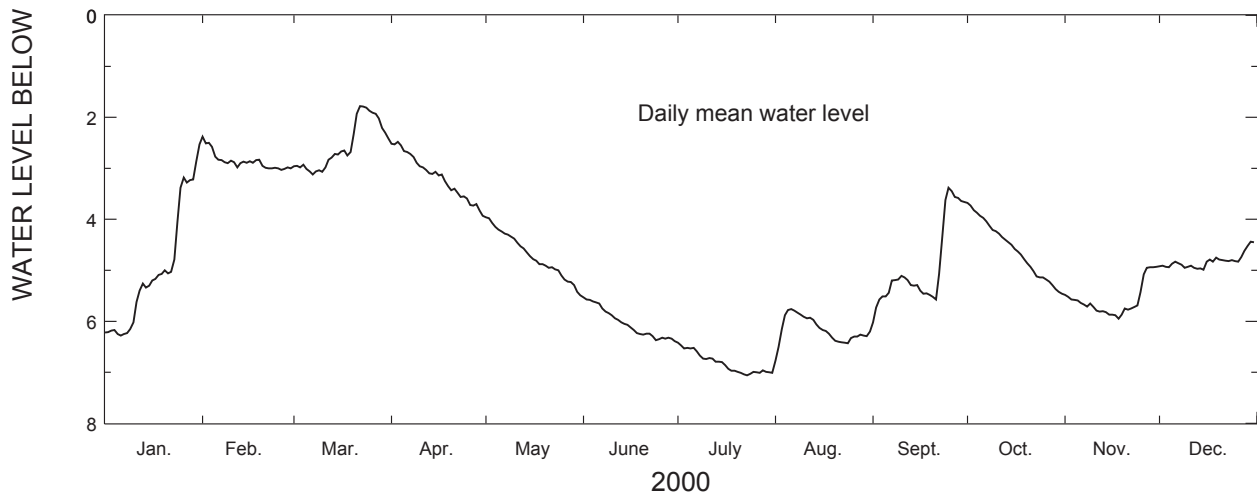
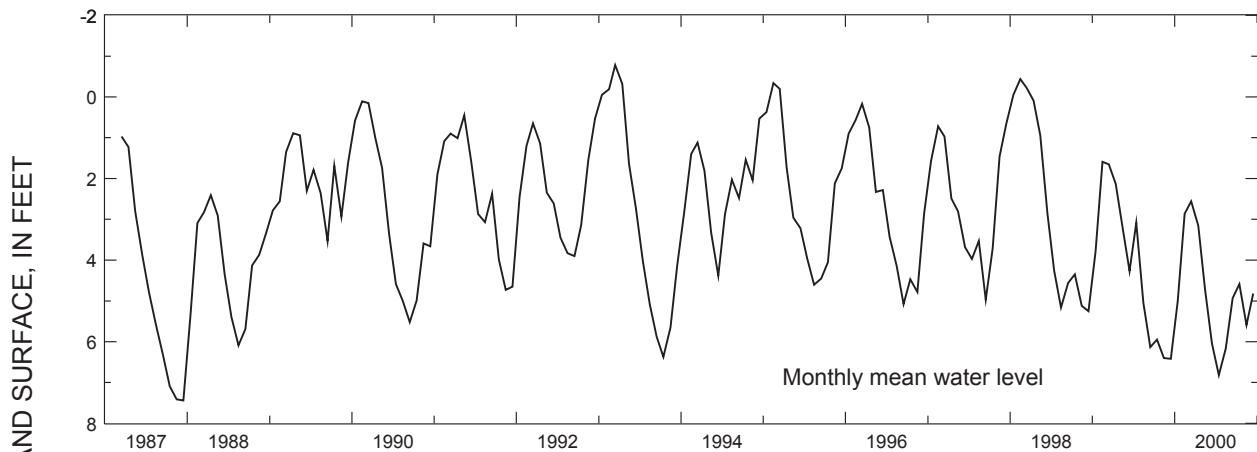
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 6 in., depth 497 ft, cased to 15 ft, open hole.

DATUM.—Altitude of land-surface datum is 675 ft.

REMARKS.—None.

PERIOD OF RECORD.—March 1987 to current year. Continuous record since March 1987.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 1.25 ft above land-surface datum, March 28, 1993;  
lowest, 7.58 ft below land-surface datum, December 7, 1987.



| 2000             | JAN  | FEB  | MAR  | APR                  | MAY  | JUNE | JULY | AUG  | SEPT | OCT  | NOV                  | DEC  |
|------------------|------|------|------|----------------------|------|------|------|------|------|------|----------------------|------|
| HIGH             | 2.53 | 2.38 | 1.78 | 2.48                 | 3.96 | 5.53 | 6.42 | 5.76 | 3.38 | 3.68 | 4.93                 | 4.44 |
| MEAN             | 5.00 | 2.86 | 2.56 | 3.16                 | 4.71 | 6.04 | 6.82 | 6.17 | 4.93 | 4.59 | 5.59                 | 4.82 |
| LOW              | 6.28 | 3.03 | 3.12 | 3.93                 | 5.49 | 6.39 | 7.06 | 6.77 | 6.02 | 5.46 | 5.95                 | 4.99 |
| SUMMARY FOR 2000 |      |      | HIGH | 1.78 (Mar. 22, 2000) |      |      | MEAN | 4.78 |      | LOW  | 7.06 (July 23, 2000) |      |

**IDENTIFICATION NUMBER.—21T001.**

COUNTY.—Laurens

LOCATION.—Lat 32°27'06", long 83°03'28", Hydrologic Unit 03070102.

SITE NAME.—Danny Hogan.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

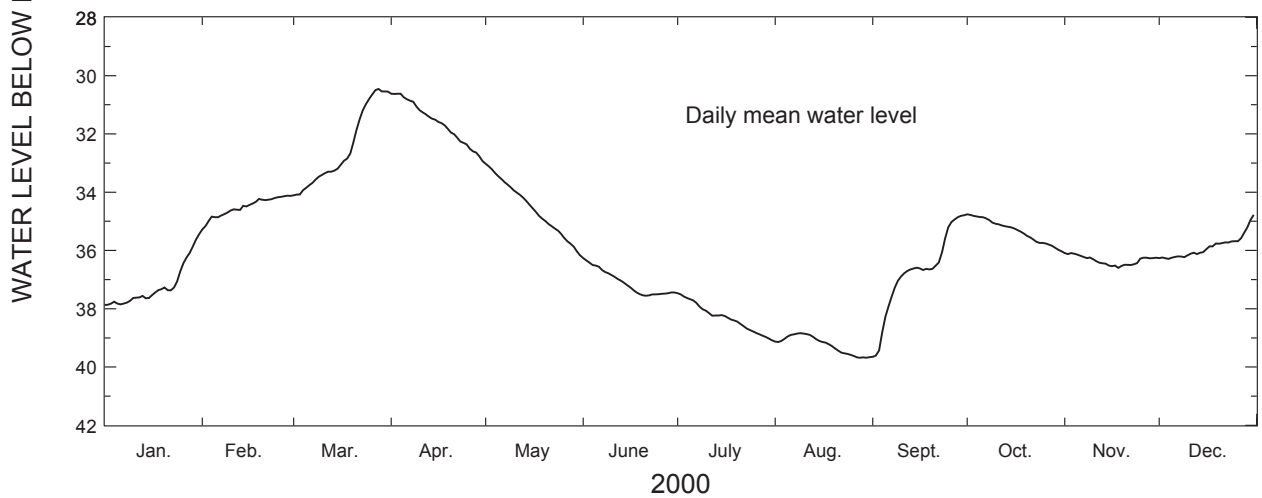
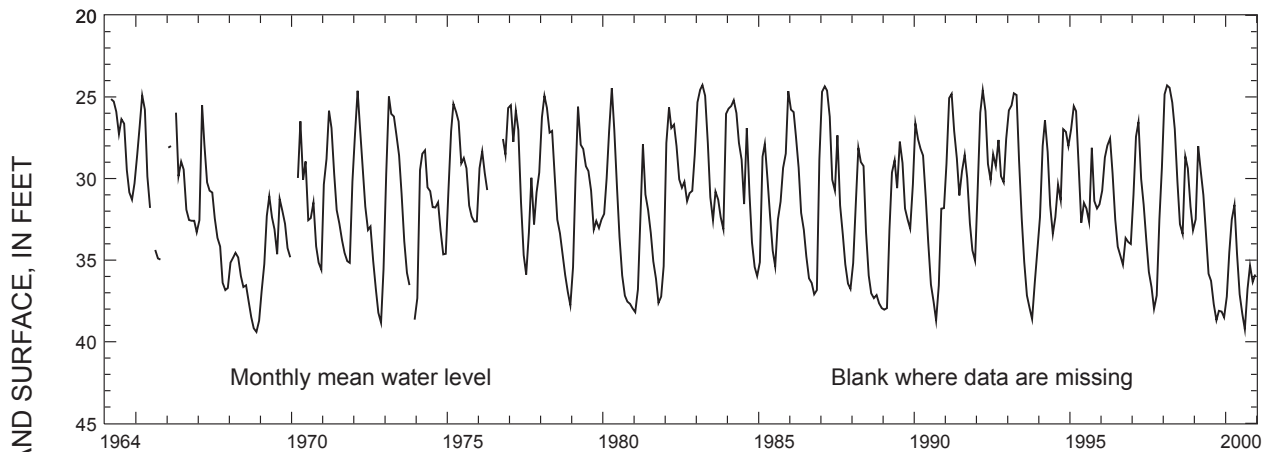
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 4 in., depth 123 ft, cased to 89 ft, open hole.

DATUM.—Altitude of land-surface datum is 259 ft.

REMARKS.—None.

PERIOD OF RECORD.—March 1964 to current year. Continuous record since March 1964.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 23.62 ft below land-surface datum, January 26, 1987;  
lowest, 39.68 ft below land-surface datum, August 28 and 30, 2000.



| 2000 | JAN   | FEB   | MAR   | APR   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| HIGH | 35.44 | 34.12 | 30.46 | 30.62 | 33.03 | 36.26 | 37.47 | 38.84 | 34.79 | 34.76 | 36.09 | 34.78 |
| MEAN | 37.24 | 34.52 | 32.51 | 31.61 | 34.56 | 37.10 | 38.30 | 39.23 | 36.77 | 35.33 | 36.34 | 35.88 |
| LOW  | 37.87 | 35.28 | 34.11 | 32.93 | 36.16 | 37.55 | 39.08 | 39.68 | 39.65 | 36.03 | 36.60 | 36.29 |

SUMMARY FOR 2000    HIGH 30.46 (Mar. 28, 2000)    MEAN 35.79    LOW 39.68 (Aug. 28, 30, 2000)

**IDENTIFICATION NUMBER.—21U004.**

COUNTY.—Laurens

LOCATION.—Lat 32°30'27", long 83°02'44", Hydrologic Unit 03070102.

SITE NAME.—Georgia Department of Natural Resources, Laurens No. 3.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Midville aquifer system.

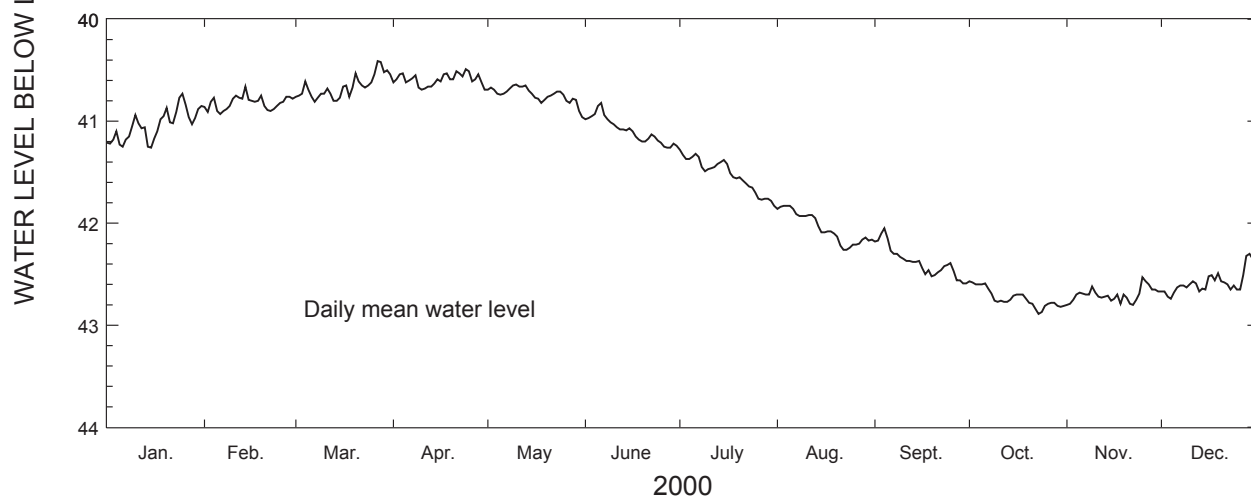
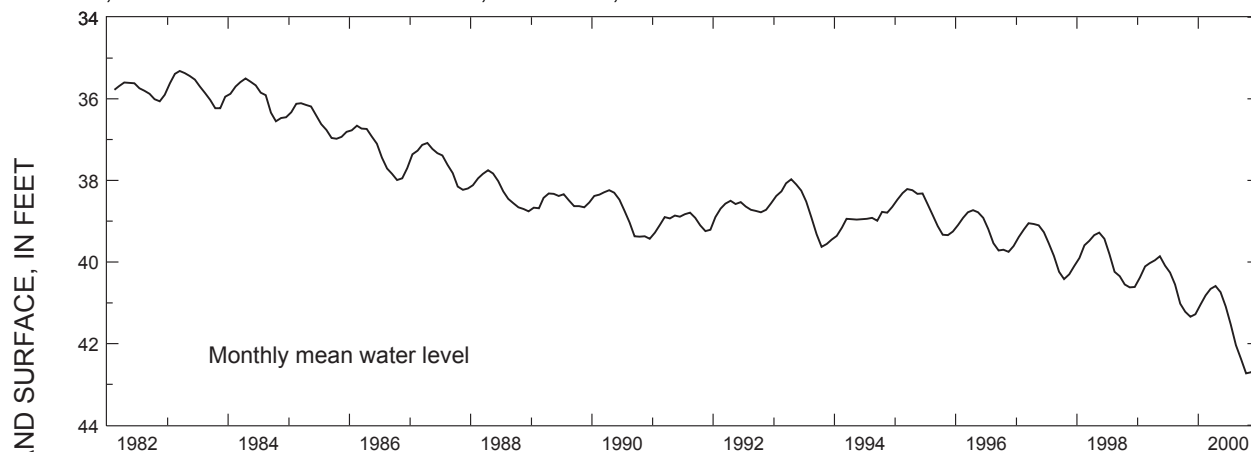
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 and 4 in., depth 1,685 ft, cased with 6 in. to 990 ft and with 4 in. from 990 to 1,060 ft, 1,080 to 1,220 ft, and from 1,240 to 1,685 ft, screen from 1,060 to 1,080 ft and 1,220 to 1,240 ft.

DATUM.—Altitude of land-surface datum is 282 ft.

REMARKS.—None.

PERIOD OF RECORD.—February 1982 to current year. Continuous record since February 1982.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 35.11 ft below land-surface datum, April 2, 1983; lowest, 42.89 ft below land-surface datum, October 23, 2000.



| 2000             | JAN                        | FEB   | MAR   | APR        | MAY   | JUNE  | JULY                      | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------------------|----------------------------|-------|-------|------------|-------|-------|---------------------------|-------|-------|-------|-------|-------|
| HIGH             | 40.73                      | 40.66 | 40.41 | 40.49      | 40.64 | 40.82 | 41.28                     | 41.83 | 42.05 | 42.57 | 42.53 | 42.30 |
| MEAN             | 41.04                      | 40.82 | 40.66 | 40.59      | 40.74 | 41.09 | 41.53                     | 42.04 | 42.38 | 42.73 | 42.70 | 42.58 |
| LOW              | 41.26                      | 40.93 | 40.81 | 40.69      | 40.96 | 41.26 | 41.83                     | 42.26 | 42.59 | 42.89 | 42.80 | 42.74 |
| SUMMARY FOR 2000 | HIGH 40.41 (Mar. 27, 2000) |       |       | MEAN 41.58 |       |       | LOW 42.89 (Oct. 23, 2000) |       |       |       |       |       |

**IDENTIFICATION NUMBER.—23X027.**

COUNTY.—Washington

LOCATION.—Lat 32°58'48", long 82°48'08", Hydrologic Unit 03070102.

SITE NAME.—City of Sandersville, well 8.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Dublin-Midville aquifer system.

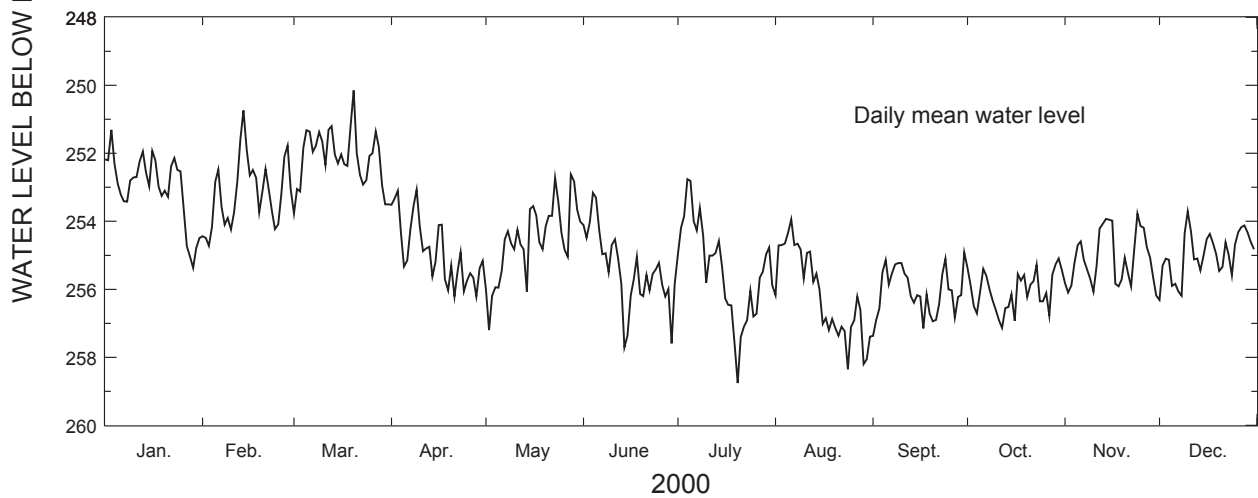
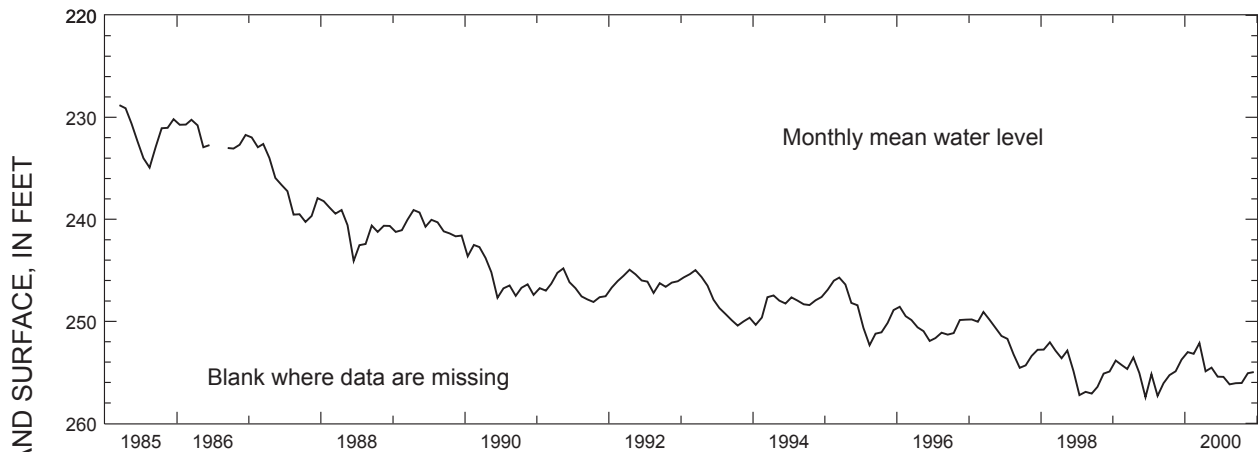
WELL CHARACTERISTICS.—Drilled unused municipal well, diameter 8 in., depth 750 ft, cased to 480 ft, screened from 480 to 485 ft, 605 to 610 ft, 650 to 655 ft, 695 to 700 ft, and 740 to 745 ft. Lower screens probably caved.

DATUM.—Altitude of land-surface datum is 450 ft.

REMARKS.—None.

PERIOD OF RECORD.—March 1985 to current year. Continuous record since March 1985.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 227.68 ft below land-surface datum, April 9, 1985; lowest, 260.17 ft below land-surface datum, August 6, 1998.



| 2000             | JAN                         | FEB    | MAR    | APR         | MAY    | JUNE   | JULY                       | AUG    | SEPT   | OCT    | NOV    | DEC    |
|------------------|-----------------------------|--------|--------|-------------|--------|--------|----------------------------|--------|--------|--------|--------|--------|
| HIGH             | 251.31                      | 250.74 | 250.15 | 253.07      | 252.62 | 253.16 | 252.76                     | 253.94 | 254.92 | 255.09 | 253.77 | 253.71 |
| MEAN             | 253.01                      | 253.18 | 252.13 | 254.89      | 254.54 | 255.42 | 255.44                     | 256.17 | 256.06 | 256.05 | 255.09 | 254.98 |
| LOW              | 255.37                      | 254.72 | 253.77 | 256.21      | 257.20 | 257.71 | 258.76                     | 258.35 | 257.37 | 257.13 | 256.18 | 256.31 |
| SUMMARY FOR 2000 | HIGH 250.15 (Mar. 20, 2000) |        |        | MEAN 254.75 |        |        | LOW 258.76 (July 20, 2000) |        |        |        |        |        |



**IDENTIFICATION NUMBER.—24V001.**

COUNTY.—Johnson

LOCATION.—Lat 32°42'09", long 82°43'02", Hydrologic Unit 03070107.

SITE NAME.—U.S. Geological Survey, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Midville aquifer system.

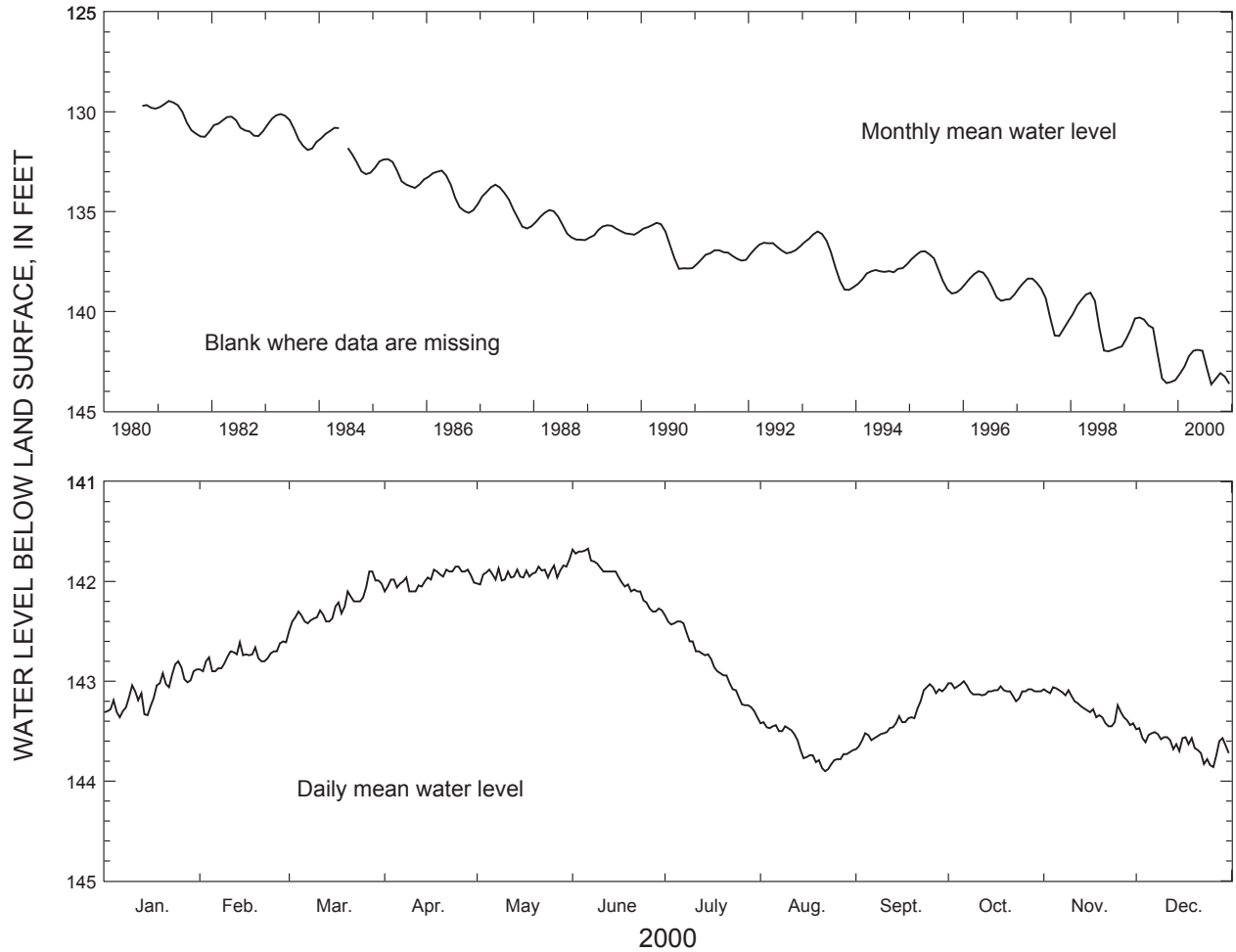
WELL CHARACTERISTICS.—Drilled observation well, diameter 6, 4, and 2 in., depth 1,780 ft, cased 6 in. to 1,010 ft, 4 in. from 1,010 to 1,120 ft, 1,140 to 1,260 ft, 1,280 to 1,320 ft, 2 in. from 1,340 ft to 1,780 ft. Screen from 1,120 to 1,140 ft, 1,260 to 1,280 ft, and 1,320 to 1,340 ft.

DATUM.—Altitude of land-surface datum is 355 ft.

REMARKS.—None.

PERIOD OF RECORD.—September 1980 to current year. Continuous record since September 1980.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 129.27 ft below land-surface datum, March 13, 1981; lowest, 143.90 ft below land-surface datum, August 22, 2000.



| 2000             | JAN    | FEB    | MAR                        | APR    | MAY    | JUNE        | JULY   | AUG    | SEPT                       | OCT    | NOV    | DEC    |
|------------------|--------|--------|----------------------------|--------|--------|-------------|--------|--------|----------------------------|--------|--------|--------|
| HIGH             | 142.80 | 142.60 | 141.90                     | 141.85 | 141.78 | 141.67      | 142.34 | 143.41 | 143.03                     | 143.00 | 143.06 | 143.47 |
| MEAN             | 143.11 | 142.75 | 142.24                     | 141.97 | 141.92 | 141.97      | 142.82 | 143.65 | 143.37                     | 143.09 | 143.26 | 143.63 |
| LOW              | 143.36 | 142.90 | 142.49                     | 142.10 | 142.03 | 142.30      | 143.36 | 143.90 | 143.68                     | 143.20 | 143.45 | 143.86 |
| SUMMARY FOR 2000 |        |        | HIGH 141.67 (June 6, 2000) |        |        | MEAN 142.82 |        |        | LOW 143.90 (Aug. 22, 2000) |        |        |        |

**IDENTIFICATION NUMBER.—25Q001.**

COUNTY.—Montgomery

LOCATION.—Lat 32°02'25", long 82°30'05", Hydrologic Unit 03070106.

SITE NAME.—Helen Kellom.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

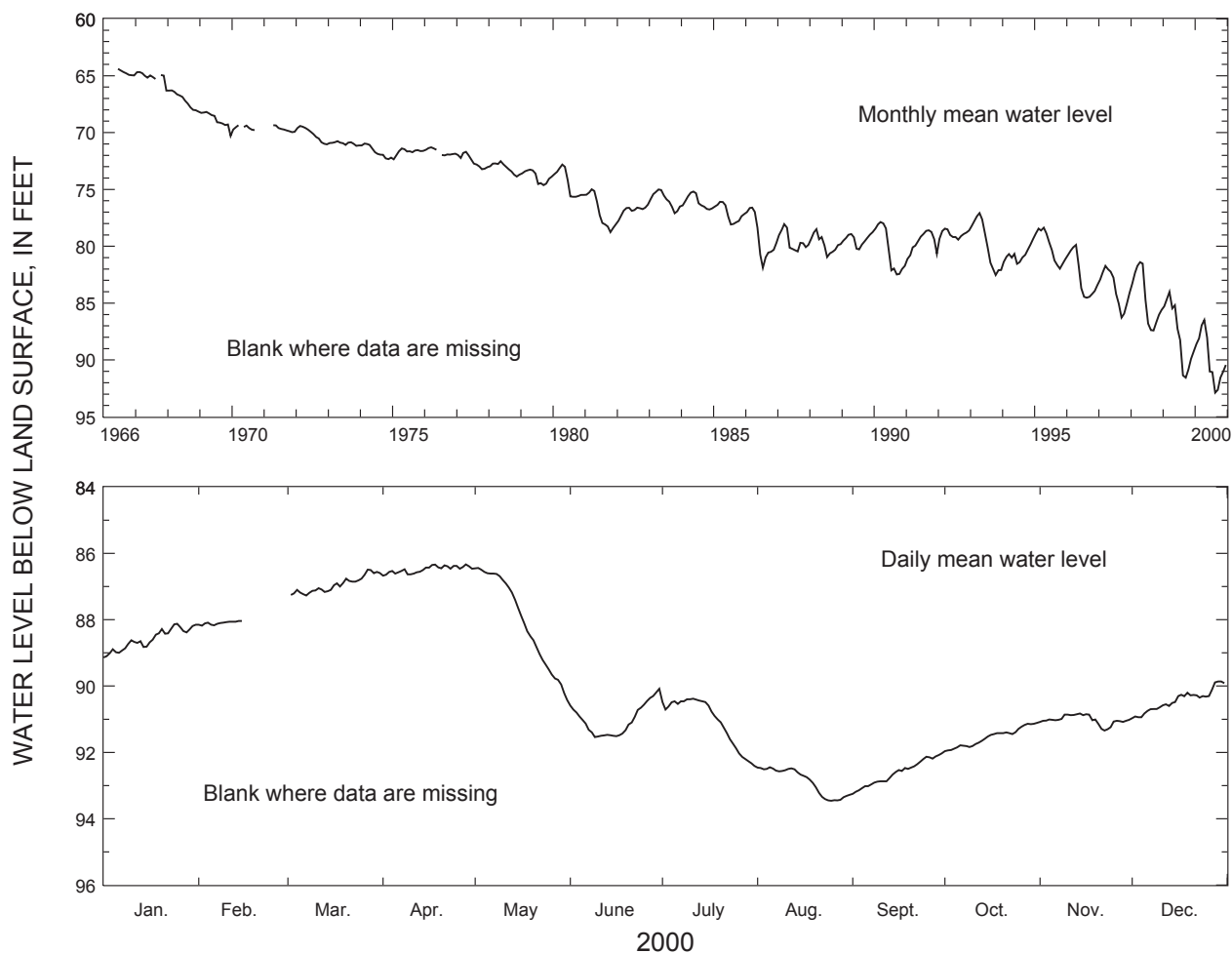
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 6 in., depth 536 ft, cased to 421 ft, open hole.

DATUM.—Altitude of land-surface datum is 190 ft.

REMARKS.—Water-level data for period, February 16 to March 1, 2000, are missing.

PERIOD OF RECORD.—June 1966 to current year. Continuous record since June 1966.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 64.13 ft below land-surface datum, June 10, 1966; lowest, 93.46 ft below land-surface datum, August 25, 2000.



| 2000             | JAN   | FEB   | MAR   | APR                   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV   | DEC   |                       |
|------------------|-------|-------|-------|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------|
| HIGH             | 88.12 | ----- | 86.49 | 86.33                 | 86.44 | 90.08 | 90.38 | 92.45 | 92.03 | 91.11 | 90.83 | 89.86 |                       |
| MEAN             | 88.59 | ----- | 86.94 | 86.48                 | 88.04 | 91.02 | 91.06 | 92.88 | 92.62 | 91.55 | 91.02 | 90.44 |                       |
| LOW              | 89.14 | ----- | 87.27 | 86.67                 | 90.42 | 91.54 | 92.41 | 93.46 | 93.25 | 91.96 | 91.34 | 90.97 |                       |
| SUMMARY FOR 2000 |       |       | HIGH  | 86.33 (Apr. 28, 2000) |       |       | MEAN  |       | 89.98 |       | LOW   |       | 93.46 (Aug. 25, 2000) |

**IDENTIFICATION NUMBER.—26R001.**

COUNTY.—Toombs

LOCATION.—Lat 32°13'02", long 82°24'36", Hydrologic Unit 03070107.

SITE NAME.—City of Vidalia, well 2.

INSTRUMENTATION.—Electronic data recorder with GOES Satellite transmitter.

AQUIFER.—Upper Floridan.

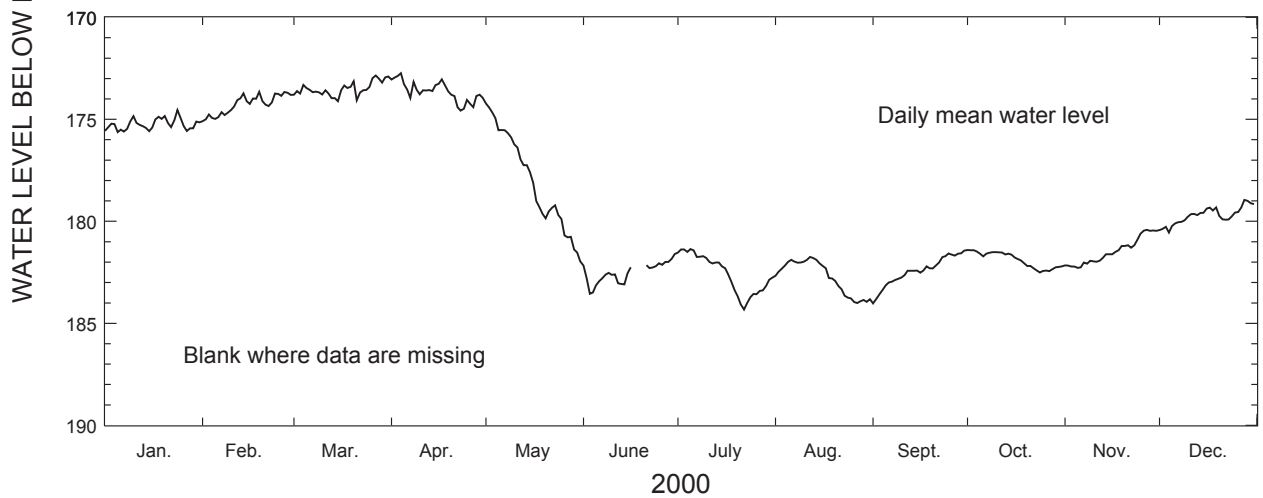
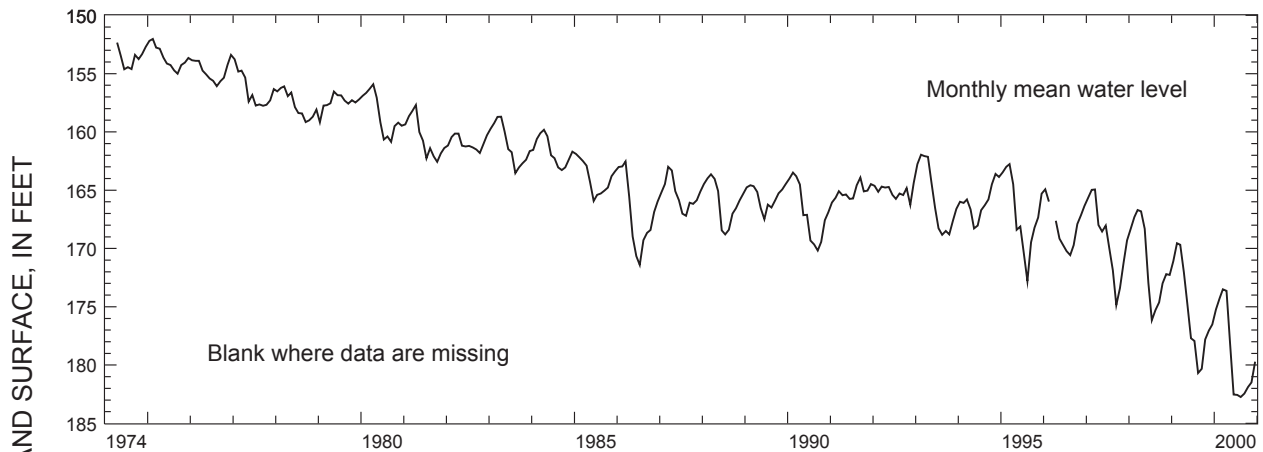
WELL CHARACTERISTICS.—Drilled municipal supply well, diameter 12 in., depth 1,000 ft, cased to 720 ft, open hole.

DATUM.—Altitude of land-surface datum is 285 ft.

REMARKS.—Water-level data for period, June 17-20, 2000, are missing.

PERIOD OF RECORD.—April 1974 to current. Continuous record since April 1974.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 151.64 ft below land-surface datum, April 15, 1974;  
lowest, 184.32 ft below land-surface datum, July 22, 2000.



| 2000             | JAN                        | FEB    | MAR    | APR    | MAY    | JUNE        | JULY   | AUG                        | SEPT   | OCT    | NOV    | DEC    |
|------------------|----------------------------|--------|--------|--------|--------|-------------|--------|----------------------------|--------|--------|--------|--------|
| HIGH             | 174.55                     | 173.65 | 172.85 | 172.74 | 174.23 | 181.60      | 181.36 | 181.75                     | 181.44 | 181.41 | 180.42 | 178.95 |
| MEAN             | 175.24                     | 174.27 | 173.51 | 173.64 | 178.02 | 182.53      | 182.57 | 182.74                     | 182.45 | 181.89 | 181.49 | 179.72 |
| LOW              | 175.63                     | 175.09 | 174.11 | 174.57 | 181.96 | 183.55      | 184.32 | 184.00                     | 184.02 | 182.51 | 182.28 | 180.55 |
| SUMMARY FOR 2000 | HIGH 172.74 (Apr. 4, 2000) |        |        |        |        | MEAN 178.98 |        | LOW 184.32 (July 22, 2000) |        |        |        |        |

**IDENTIFICATION NUMBER.—27E004.**

COUNTY.—Charlton

LOCATION.—Lat 30°49'43", long 82°21'38", Hydrologic Unit 03110201.

SITE NAME.—U.S. Geological Survey, test well OK-9.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

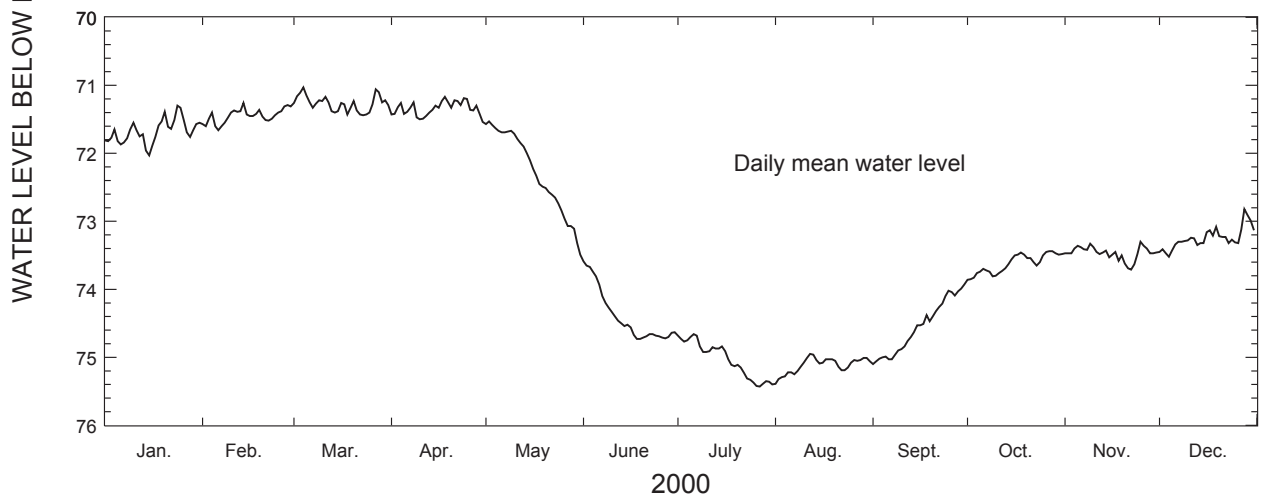
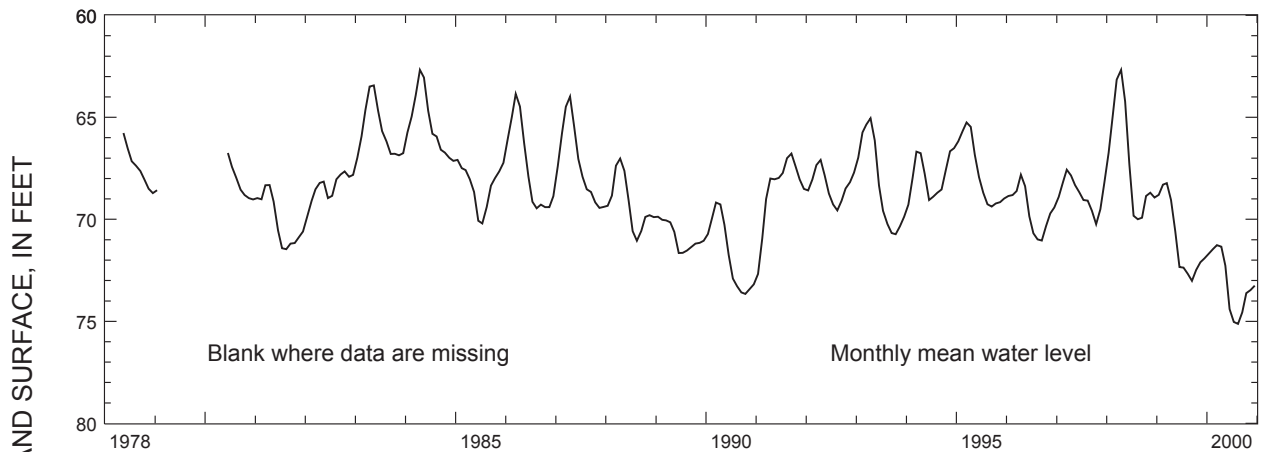
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 700 ft, cased to 498 ft, open hole.

DATUM.—Altitude of land-surface datum is 116 ft.

REMARKS.—Well drilled in May 1978 to replace USGS test well OK-8 (27E002).

PERIOD OF RECORD.—May 1978 to current year. Continuous record since June 1980.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 62.13 ft below land-surface datum, April 9, 1998;  
lowest, 75.43 ft below land-surface datum, July 27, 2000.



| 2000             | JAN                       | FEB   | MAR   | APR        | MAY   | JUNE  | JULY                      | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------------------|---------------------------|-------|-------|------------|-------|-------|---------------------------|-------|-------|-------|-------|-------|
| HIGH             | 71.30                     | 71.26 | 71.03 | 71.17      | 71.53 | 73.59 | 74.66                     | 74.95 | 73.93 | 73.44 | 73.30 | 72.82 |
| MEAN             | 71.68                     | 71.45 | 71.27 | 71.34      | 72.27 | 74.40 | 75.03                     | 75.12 | 74.56 | 73.62 | 73.47 | 73.25 |
| LOW              | 72.03                     | 71.66 | 71.44 | 71.54      | 73.49 | 74.73 | 75.43                     | 75.39 | 75.10 | 73.86 | 73.71 | 73.52 |
| SUMMARY FOR 2000 | HIGH 71.03 (Mar. 4, 2000) |       |       | MEAN 73.13 |       |       | LOW 75.43 (July 27, 2000) |       |       |       |       |       |

**IDENTIFICATION NUMBER.—27G003.**

COUNTY.—Ware

LOCATION.—Lat 31°07'06", long 82°15'56", Hydrologic Unit 03110201.

SITE NAME.—U.S. Geological Survey, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Floridan.

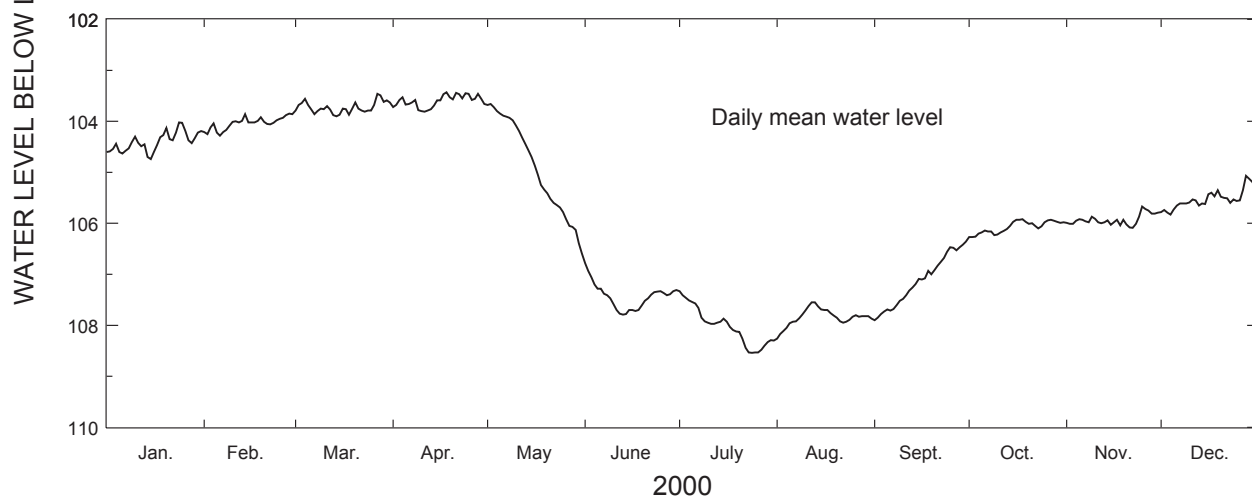
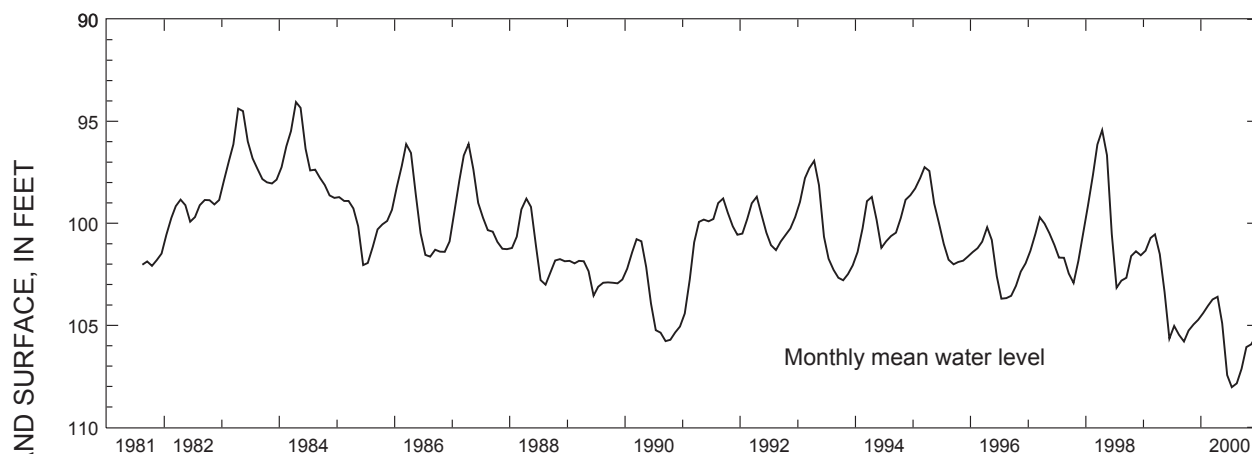
WELL CHARACTERISTICS.—Drilled observation well, diameter 14 in., depth 1,970 ft, cased to 635 ft, open hole.

DATUM.—Altitude of land-surface datum is 150 ft.

REMARKS.—None.

PERIOD OF RECORD.—August 1981 to current year. Continuous record since August 1981.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 93.63 ft below land-surface datum, May 3, 1984;  
lowest, 108.54 ft below land-surface datum, July 24, 2000.



| 2000             | JAN                         | FEB    | MAR    | APR    | MAY         | JUNE   | JULY   | AUG                        | SEPT   | OCT    | NOV    | DEC    |
|------------------|-----------------------------|--------|--------|--------|-------------|--------|--------|----------------------------|--------|--------|--------|--------|
| HIGH             | 104.02                      | 103.85 | 103.46 | 103.43 | 103.66      | 106.78 | 107.33 | 107.55                     | 106.36 | 105.92 | 105.67 | 105.07 |
| MEAN             | 104.40                      | 104.04 | 103.73 | 103.60 | 104.90      | 107.44 | 108.03 | 107.84                     | 107.13 | 106.07 | 105.93 | 105.53 |
| LOW              | 104.74                      | 104.28 | 103.90 | 103.81 | 106.59      | 107.79 | 108.54 | 108.26                     | 107.90 | 106.27 | 106.09 | 105.83 |
| SUMMARY FOR 2000 | HIGH 103.43 (Apr. 18, 2000) |        |        |        | MEAN 105.73 |        |        | LOW 108.54 (July 24, 2000) |        |        |        |        |

**IDENTIFICATION NUMBER.—28X001.**

COUNTY.—Burke

LOCATION.—Lat 32°52'32", long 82°13'15", Hydrologic Unit 03060201.

SITE NAME.—U.S. Geological Survey, Midville, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Midville aquifer system.

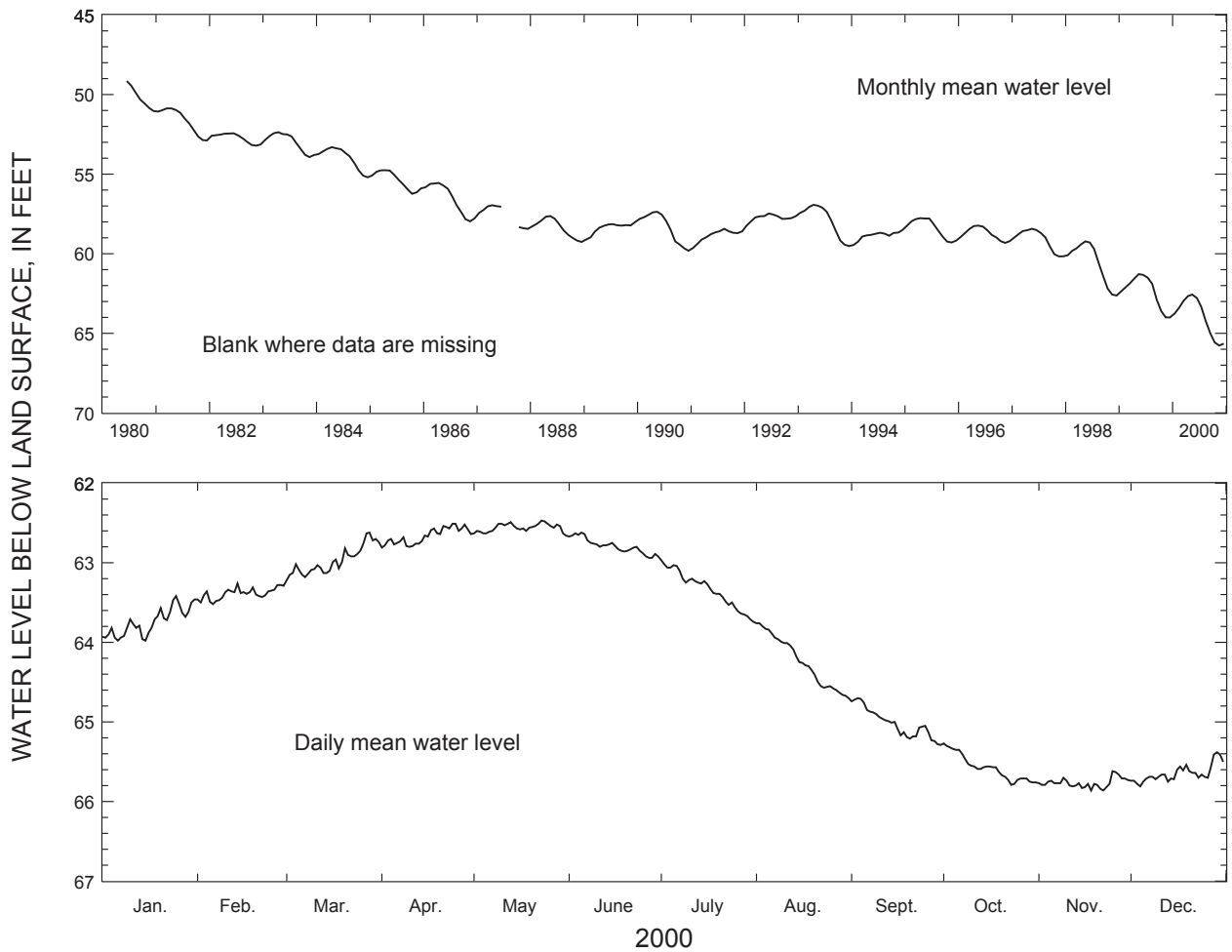
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 1,045 ft, cased to 1,025 ft, screen from 1,025 to 1,045 ft.

DATUM.—Altitude of land-surface datum is 269 ft.

REMARKS.—None.

PERIOD OF RECORD.—June 1980 to current year. Continuous record since June 1980.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 49.07 ft below land-surface datum, June 4, 1980; lowest, 65.86 ft below land-surface datum, November 22, 2000.



| 2000             | JAN                       | FEB   | MAR   | APR   | MAY   | JUNE       | JULY  | AUG                           | SEPT  | OCT   | NOV   | DEC   |
|------------------|---------------------------|-------|-------|-------|-------|------------|-------|-------------------------------|-------|-------|-------|-------|
| HIGH             | 63.42                     | 63.26 | 62.62 | 62.51 | 62.47 | 62.62      | 62.97 | 63.76                         | 64.70 | 65.27 | 65.62 | 65.38 |
| MEAN             | 63.75                     | 63.39 | 62.97 | 62.66 | 62.56 | 62.79      | 63.34 | 64.24                         | 65.02 | 65.58 | 65.77 | 65.65 |
| LOW              | 63.98                     | 63.52 | 63.22 | 62.81 | 62.66 | 62.94      | 63.74 | 64.70                         | 65.29 | 65.79 | 65.86 | 65.81 |
| SUMMARY FOR 2000 | HIGH 62.47 (May 23, 2000) |       |       |       |       | MEAN 63.98 |       | LOW 65.86 (Nov. 18, 22, 2000) |       |       |       |       |

**IDENTIFICATION NUMBER.—30AA04.**

COUNTY.—Richmond

LOCATION.—Lat 33°15'25", long 81°57'47", Hydrologic Unit 03060106.

SITE NAME.—Richmond County Water System, U.S. Geological Survey, McBean 2.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Dublin-Midville aquifer system.

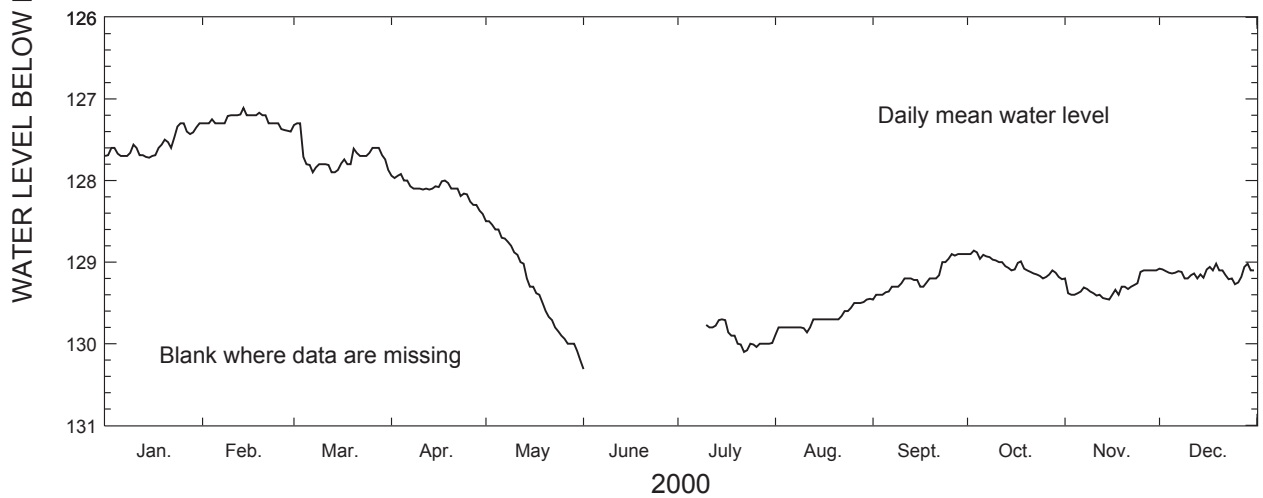
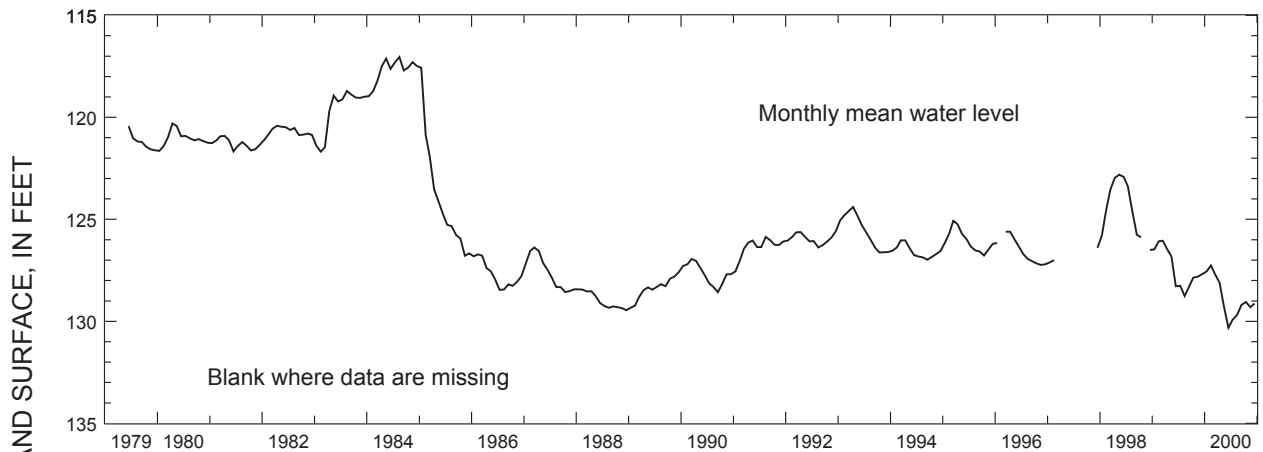
WELL CHARACTERISTICS.—Drilled unused municipal supply well, diameter 6 in., depth 496 ft, cased to 174 ft, screen from 174 to 192 ft, 299 to 319 ft, 341 to 372 ft, and 393 to 434 ft.

DATUM.—Altitude of land-surface datum is 293 ft.

REMARKS.—Water-level data for period, June 2 to July 9, 2000, are missing.

PERIOD OF RECORD.—June 1979 to current year. Continuous record since June 1979.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 116.70 ft below land-surface datum, May 30, 1984; lowest, 130.31 ft below land-surface datum, June 1, 2000, but may have been lower during period of missing record.



| 2000             | JAN                         | FEB    | MAR    | APR    | MAY    | JUNE       | JULY  | AUG                       | SEPT   | OCT    | NOV    | DEC    |
|------------------|-----------------------------|--------|--------|--------|--------|------------|-------|---------------------------|--------|--------|--------|--------|
| HIGH             | 127.30                      | 127.11 | 127.30 | 127.92 | 128.50 | -----      | ----- | 129.45                    | 128.90 | 128.86 | 129.10 | 129.02 |
| MEAN             | 127.56                      | 127.26 | 127.71 | 128.11 | 129.30 | -----      | ----- | 129.69                    | 129.19 | 129.05 | 129.31 | 129.13 |
| LOW              | 127.72                      | 127.40 | 127.90 | 128.41 | 130.20 | -----      | ----- | 129.89                    | 129.46 | 129.21 | 129.46 | 129.27 |
| SUMMARY FOR 2000 | HIGH 127.11 (Feb. 14, 2000) |        |        |        |        | MEAN ----- |       | LOW 130.31 (June 1, 2000) |        |        |        |        |

**IDENTIFICATION NUMBER.—30L003.**

COUNTY.—Wayne

LOCATION.—Lat 31°37'01", long 81°54'34", Hydrologic Unit 03070106.

SITE NAME.—City of Jesup Housing Authority.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

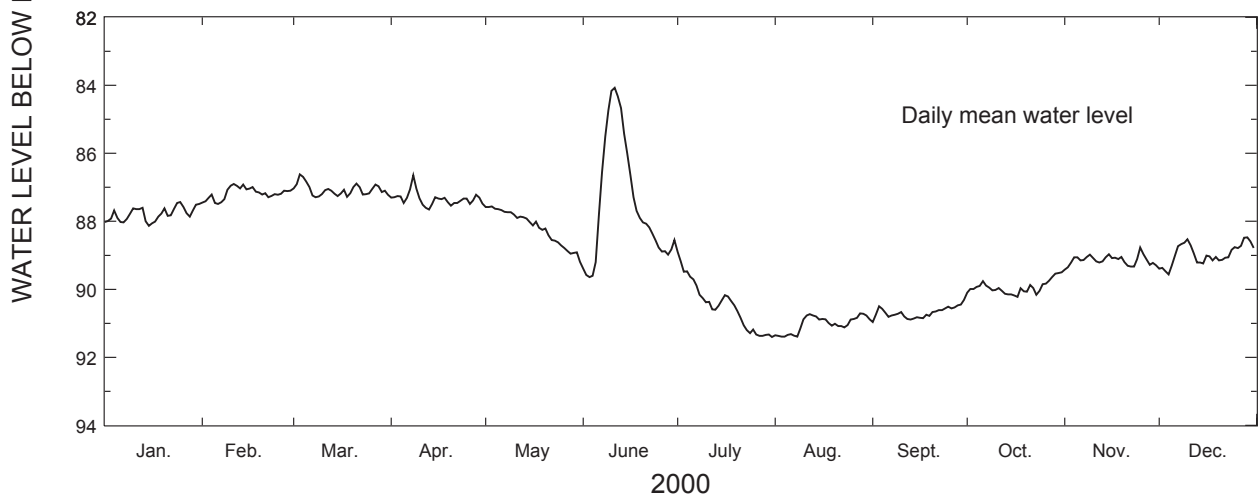
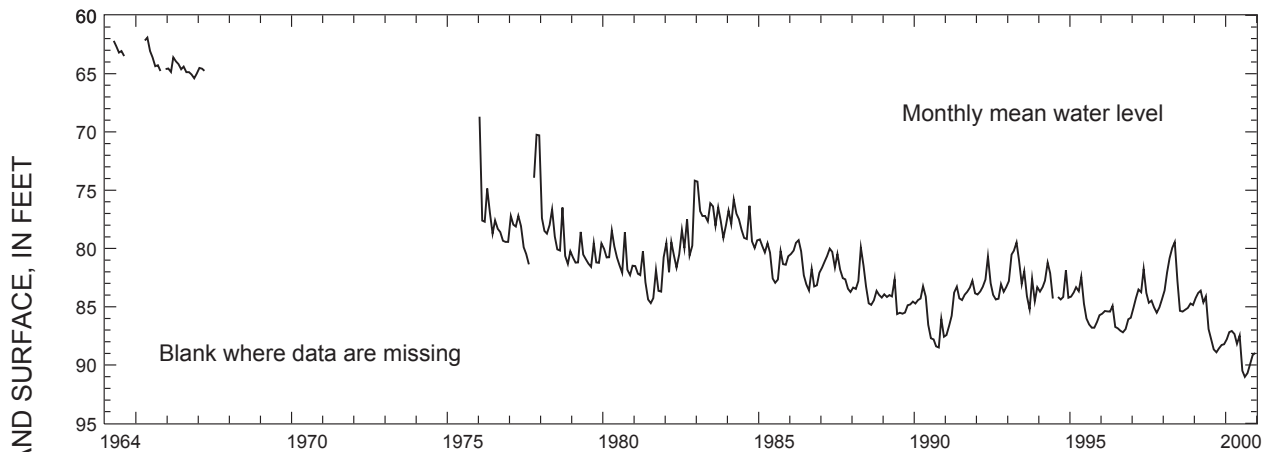
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 4 in., depth 584 ft, cased to 472 ft, open hole.

DATUM.—Altitude of land-surface datum is 107 ft.

REMARKS.—None.

PERIOD OF RECORD.—January 1964 to current year. Continuous record January 1964 to March 1967, and since January 1976.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 59.98 ft below land-surface datum, April 19, 1964; lowest, 91.40 ft below land-surface datum, July 31, 2000.



| 2000             | JAN                        | FEB   | MAR   | APR   | MAY   | JUNE       | JULY                      | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------------------|----------------------------|-------|-------|-------|-------|------------|---------------------------|-------|-------|-------|-------|-------|
| HIGH             | 87.43                      | 86.90 | 86.62 | 86.65 | 87.56 | 84.07      | 88.90                     | 90.71 | 90.31 | 89.50 | 88.77 | 88.47 |
| MEAN             | 87.78                      | 87.18 | 87.07 | 87.34 | 88.18 | 87.48      | 90.48                     | 91.02 | 90.69 | 89.94 | 89.14 | 88.97 |
| LOW              | 88.13                      | 87.49 | 87.29 | 87.65 | 89.19 | 89.64      | 91.40                     | 91.39 | 90.96 | 90.22 | 89.42 | 89.56 |
| SUMMARY FOR 2000 | HIGH 84.07 (June 11, 2000) |       |       |       |       | MEAN 88.78 | LOW 91.40 (July 31, 2000) |       |       |       |       |       |



**IDENTIFICATION NUMBER.—31U008.**

COUNTY.—Bulloch

LOCATION.—Lat 32°31'23", long 81°51'16", Hydrologic Unit 03060202.

SITE NAME.—Georgia Geologic Survey, Hopeulikit, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Floridan.

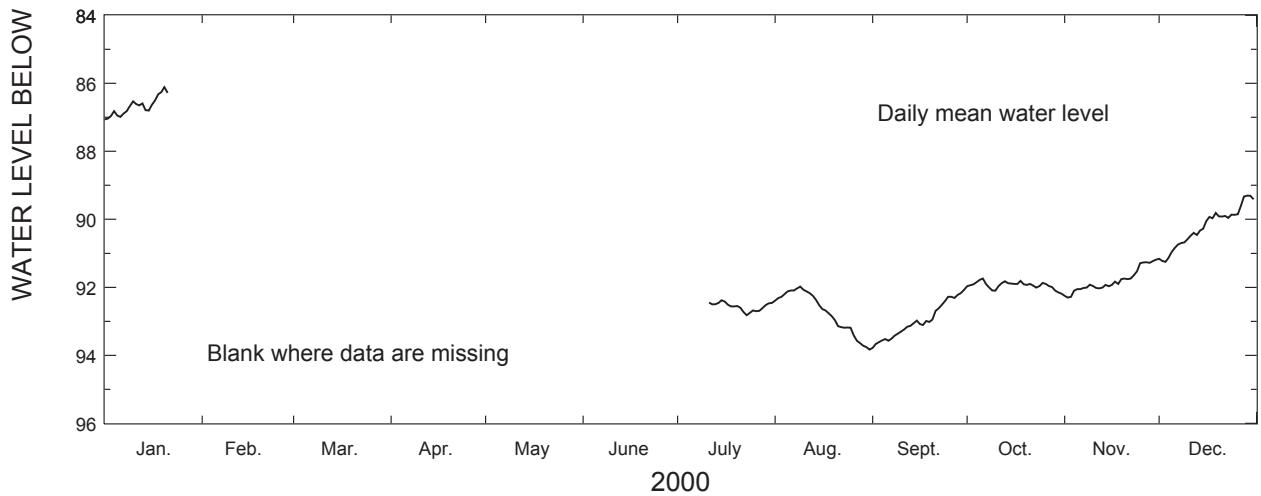
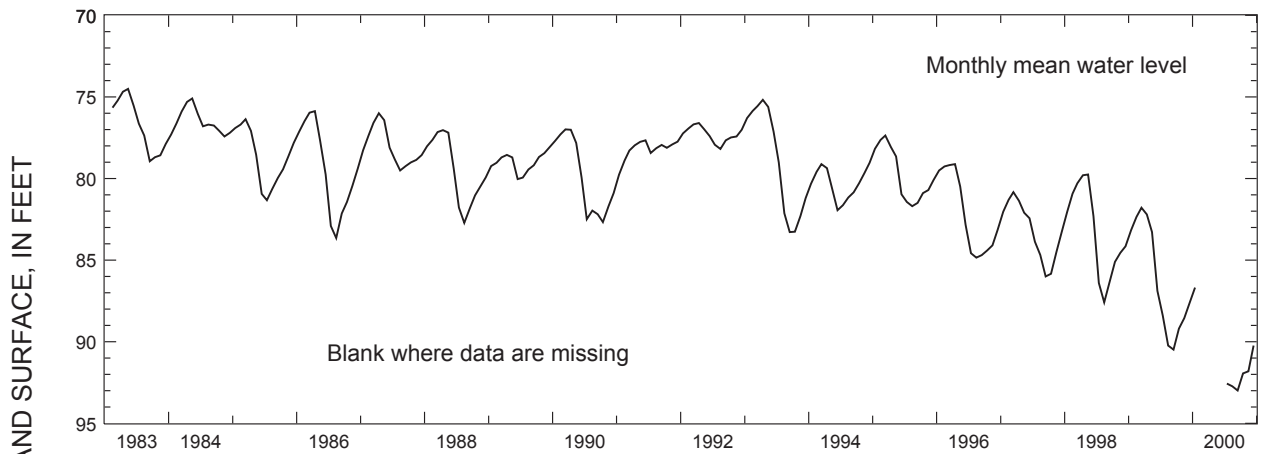
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 860 ft, cased to 315 ft, open hole.

DATUM.—Altitude of land-surface datum is 205 ft.

REMARKS.—Recorder removed, January 22 to July 10, 2000.

PERIOD OF RECORD.—February 1983 to current year. Continuous record since February 1983.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 74.26 ft below land-surface datum, April 24, 1983;  
lowest, 93.83 ft below land-surface datum, August 31, 2000.



| 2000             | JAN                        | FEB   | MAR   | APR   | MAY   | JUNE  | JULY  | AUG   | SEPT                      | OCT   | NOV   | DEC   |
|------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|---------------------------|-------|-------|-------|
| HIGH             | -----                      | ----- | ----- | ----- | ----- | ----- | ----- | 91.98 | 92.08                     | 91.74 | 91.19 | 89.30 |
| MEAN             | -----                      | ----- | ----- | ----- | ----- | ----- | ----- | 92.73 | 92.99                     | 91.94 | 91.81 | 90.23 |
| LOW              | -----                      | ----- | ----- | ----- | ----- | ----- | ----- | 93.83 | 93.78                     | 92.19 | 92.30 | 91.25 |
| SUMMARY FOR 2000 | HIGH 86.11 (Jan. 20, 2000) |       |       |       |       |       | MEAN  | ----- | LOW 93.83 (Aug. 31, 2000) |       |       |       |

**IDENTIFICATION NUMBER.—31U009.**

COUNTY.—Bulloch

LOCATION.—Lat 32°31'23", long 81°51'16", Hydrologic Unit 03060202.

SITE NAME.—Georgia Geologic Survey, Hopeulikit, test well 2.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Brunswick.

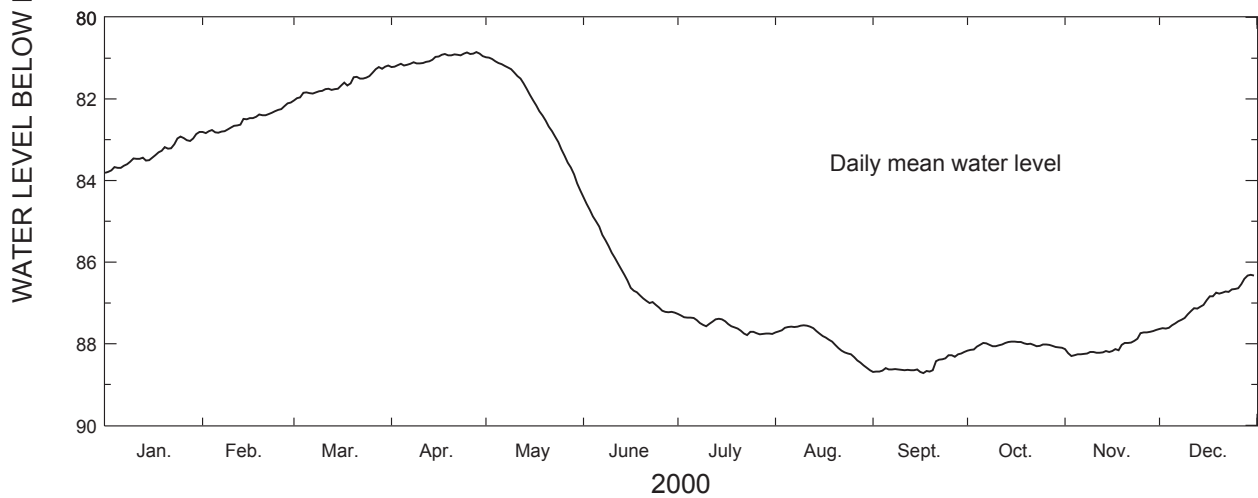
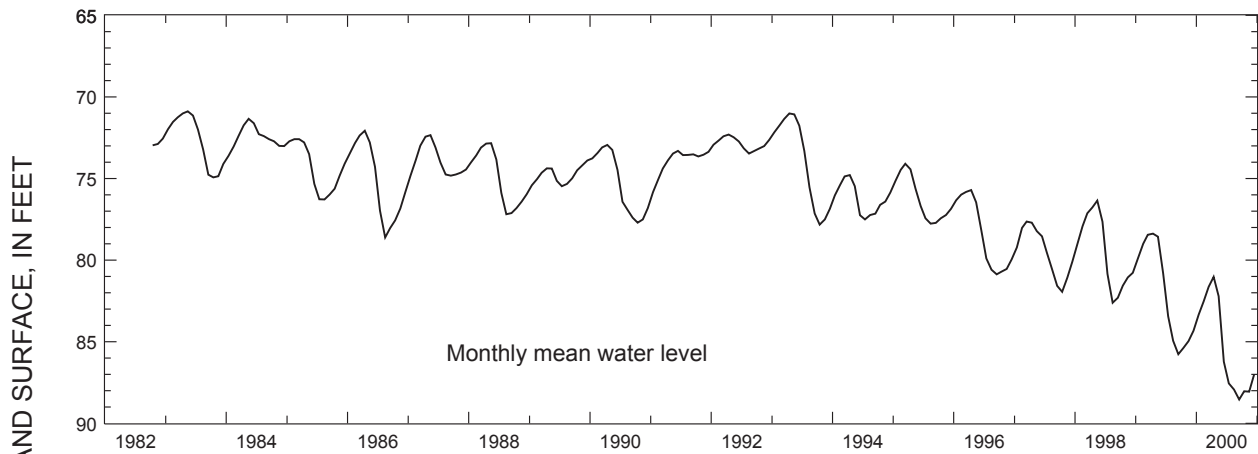
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 210 ft, cased to 160 ft, screen from 160 to 210 ft.

DATUM.—Altitude of land-surface datum is 205 ft.

REMARKS.—None.

PERIOD OF RECORD.—October 1982 to current year. Continuous record since October 1982.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 70.77 ft below land-surface datum, April 24, 1983; lowest, 88.72 ft below land-surface datum, September 17, 2000.



| 2000             | JAN                        | FEB   | MAR   | APR        | MAY   | JUNE  | JULY                       | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------------------|----------------------------|-------|-------|------------|-------|-------|----------------------------|-------|-------|-------|-------|-------|
| HIGH             | 82.81                      | 82.09 | 81.18 | 80.85      | 80.98 | 84.41 | 87.27                      | 87.55 | 88.20 | 87.95 | 87.66 | 86.31 |
| MEAN             | 83.34                      | 82.53 | 81.63 | 81.02      | 82.21 | 86.22 | 87.55                      | 87.93 | 88.54 | 88.03 | 88.06 | 87.00 |
| LOW              | 83.81                      | 82.84 | 82.04 | 81.22      | 84.24 | 87.24 | 87.79                      | 88.65 | 88.72 | 88.17 | 88.30 | 87.64 |
| SUMMARY FOR 2000 | HIGH 80.85 (Apr. 28, 2000) |       |       | MEAN 85.35 |       |       | LOW 88.72 (Sept. 17, 2000) |       |       |       |       |       |

**IDENTIFICATION NUMBER.—32L015.**

COUNTY.—Wayne

LOCATION.—Lat 31°32'52", long 81°43'36", Hydrologic Unit 03070106.

SITE NAME.—Georgia Geologic Survey, Gardi, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

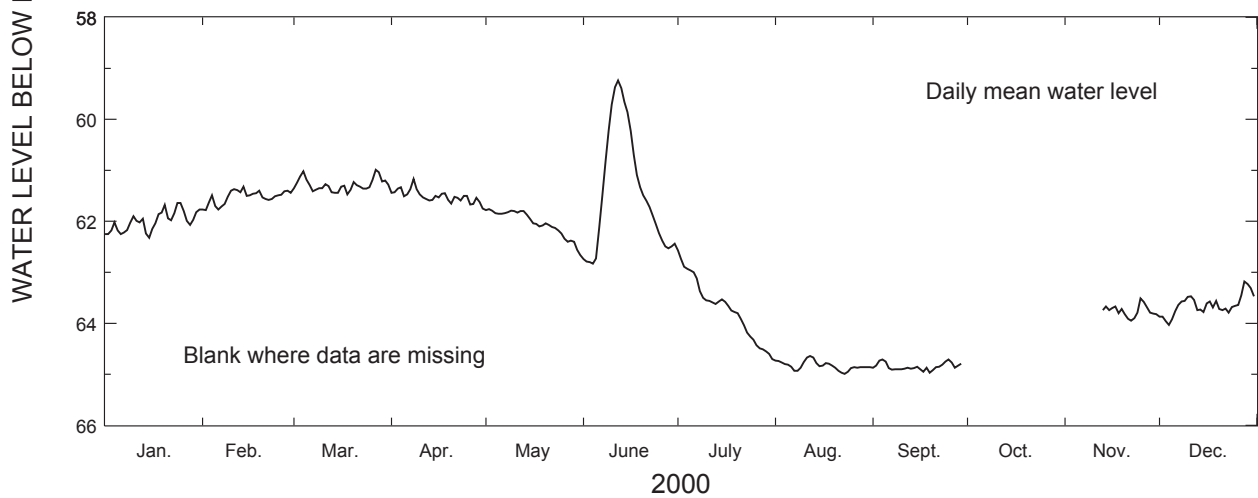
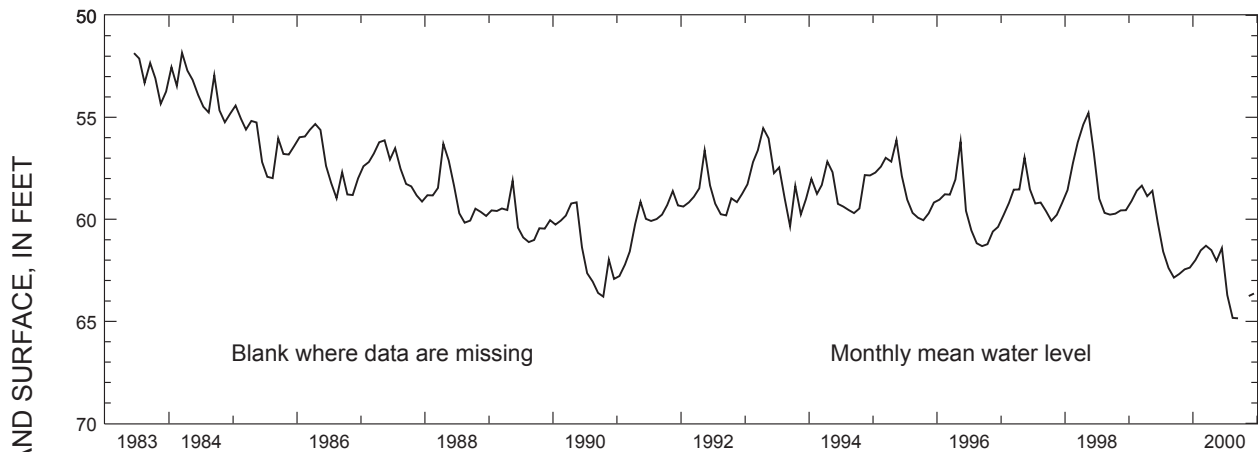
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 750 ft, cased to 545 ft, open hole.

DATUM.—Altitude of land-surface datum is 74 ft.

REMARKS.—Water-level data for period, September 30 to November 12, 2000, are missing.

PERIOD OF RECORD.—June 1983 to current year. Continuous record since June 1983.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 49.12 ft below land-surface datum, March 19, 1984;  
lowest, 64.99 ft below land-surface datum, August 23, 2000.



| 2000             | JAN   | FEB   | MAR   | APR                   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT                   | NOV   | DEC   |
|------------------|-------|-------|-------|-----------------------|-------|-------|-------|-------|-------|-----------------------|-------|-------|
| HIGH             | 61.64 | 61.32 | 60.99 | 61.17                 | 61.76 | 59.24 | 62.57 | 64.64 | 64.71 | -----                 | ----- | 63.18 |
| MEAN             | 62.00 | 61.52 | 61.29 | 61.51                 | 62.04 | 61.41 | 63.71 | 64.83 | 64.85 | -----                 | ----- | 63.64 |
| LOW              | 62.32 | 61.78 | 61.47 | 61.75                 | 62.66 | 62.83 | 64.70 | 64.99 | 64.97 | -----                 | ----- | 64.03 |
| SUMMARY FOR 2000 |       |       | HIGH  | 59.24 (June 12, 2000) |       |       | MEAN  | ----- | LOW   | 64.99 (Aug. 23, 2000) |       |       |

**IDENTIFICATION NUMBER.—32L016.**

COUNTY.—Wayne

LOCATION.—Lat 31°32'52", long 81°43'36", Hydrologic Unit 03070106.

SITE NAME.—Georgia Geologic Survey, Gardi, test well 2.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Brunswick.

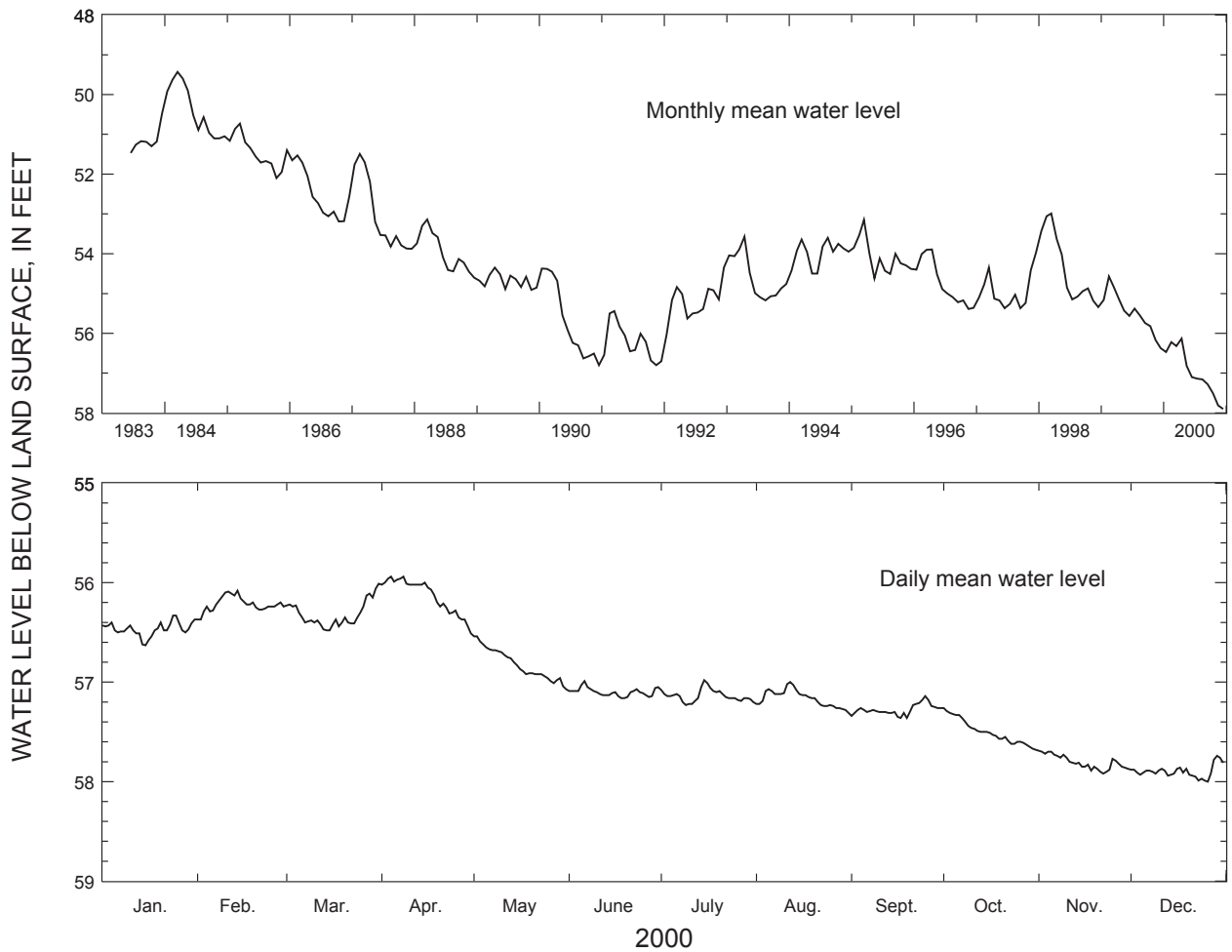
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 340 ft, cased to 320 ft, screen from 320 to 340 ft.

DATUM.—Altitude of land-surface datum is 74 ft.

REMARKS.—None.

PERIOD OF RECORD.—June 1983 to current year. Continuous record since June 1983.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 49.26 ft below land-surface datum, March 20, 1984; lowest, 58.00 ft below land-surface datum, December 26, 2000.



| 2000             | JAN                       | FEB   | MAR   | APR        | MAY   | JUNE  | JULY                      | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------------------|---------------------------|-------|-------|------------|-------|-------|---------------------------|-------|-------|-------|-------|-------|
| HIGH             | 56.33                     | 56.08 | 56.01 | 55.94      | 56.54 | 56.99 | 56.98                     | 57.00 | 57.14 | 57.26 | 57.69 | 57.74 |
| MEAN             | 56.47                     | 56.22 | 56.32 | 56.13      | 56.82 | 57.10 | 57.14                     | 57.16 | 57.28 | 57.50 | 57.81 | 57.90 |
| LOW              | 56.63                     | 56.37 | 56.48 | 56.51      | 57.07 | 57.16 | 57.23                     | 57.31 | 57.36 | 57.68 | 57.92 | 58.00 |
| SUMMARY FOR 2000 | HIGH 55.94 (Apr. 4, 2000) |       |       | MEAN 56.99 |       |       | LOW 58.00 (Dec. 26, 2000) |       |       |       |       |       |

**IDENTIFICATION NUMBER.—32L017.**

COUNTY.—Wayne

LOCATION.—Lat 31°32'52", long 81°43'36", Hydrologic Unit 03070106.

SITE NAME.—Georgia Geologic Survey, Gardi, test well 3.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Surficial (sand of Miocene and post-Miocene age).

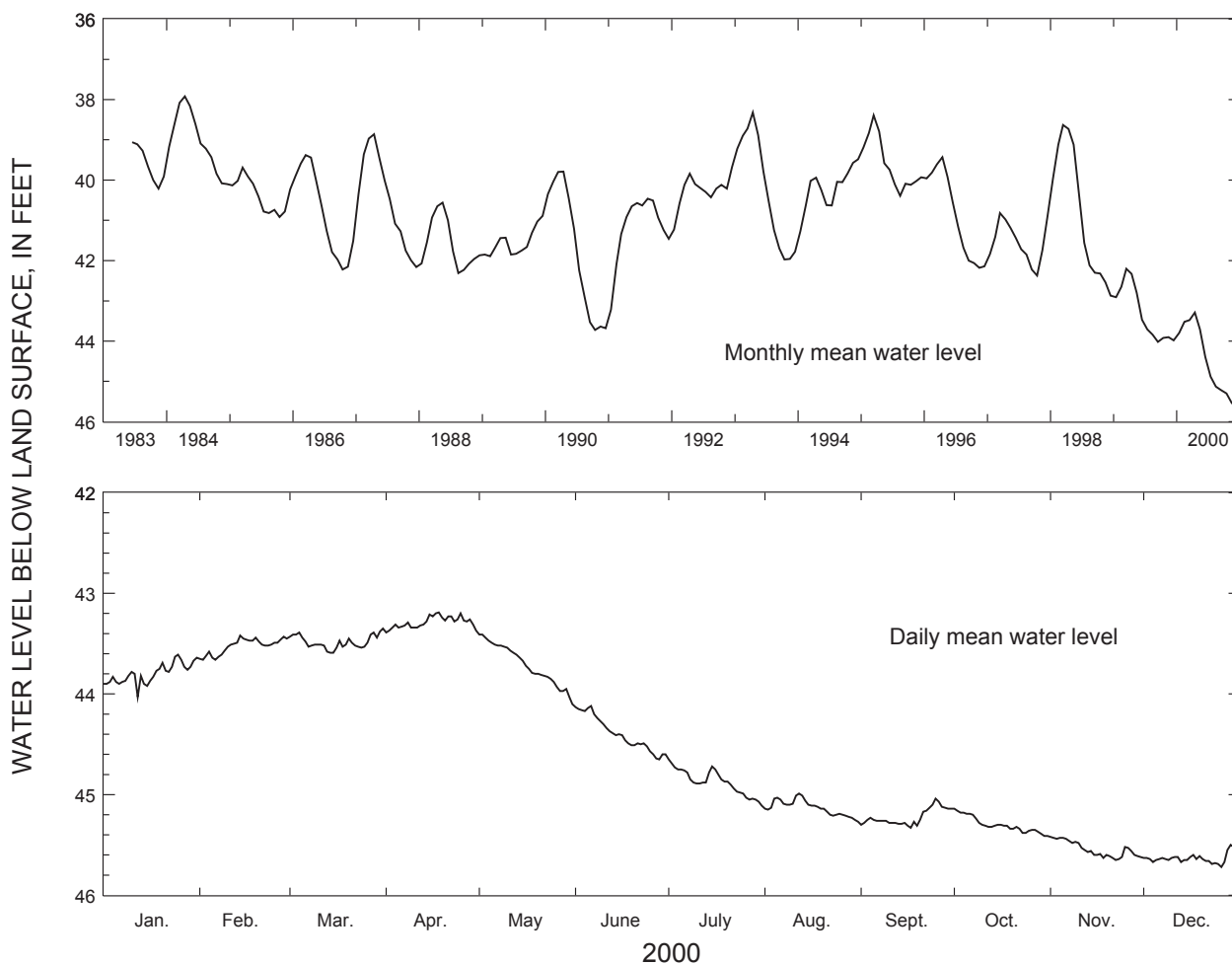
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 215 ft, cased to 200 ft, screen from 200 to 215 ft.

DATUM.—Altitude of land-surface datum is 74 ft.

REMARKS.—None.

PERIOD OF RECORD.—June 1983 to current year. Continuous record since June 1983.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 37.85 ft below land-surface datum, April 16, 1984; lowest, 45.72 ft below land-surface datum, December 26, 2000.



| 2000             | JAN   | FEB   | MAR   | APR                   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV                   | DEC   |
|------------------|-------|-------|-------|-----------------------|-------|-------|-------|-------|-------|-------|-----------------------|-------|
| HIGH             | 43.61 | 43.42 | 43.35 | 43.19                 | 43.41 | 44.12 | 44.65 | 44.99 | 45.04 | 45.14 | 45.42                 | 45.50 |
| MEAN             | 43.80 | 43.52 | 43.48 | 43.29                 | 43.71 | 44.39 | 44.88 | 45.13 | 45.22 | 45.30 | 45.54                 | 45.63 |
| LOW              | 44.03 | 43.66 | 43.59 | 43.39                 | 44.10 | 44.65 | 45.11 | 45.27 | 45.33 | 45.41 | 45.65                 | 45.72 |
| SUMMARY FOR 2000 |       |       | HIGH  | 43.19 (Apr. 18, 2000) |       |       | MEAN  | 44.50 |       | LOW   | 45.72 (Dec. 26, 2000) |       |

**IDENTIFICATION NUMBER.—32R002.**

COUNTY.—Bulloch

LOCATION.—Lat 32°12'40", long 81°41'15", Hydrologic Unit 03060202.

SITE NAME.—Georgia Geologic Survey, Bulloch South, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

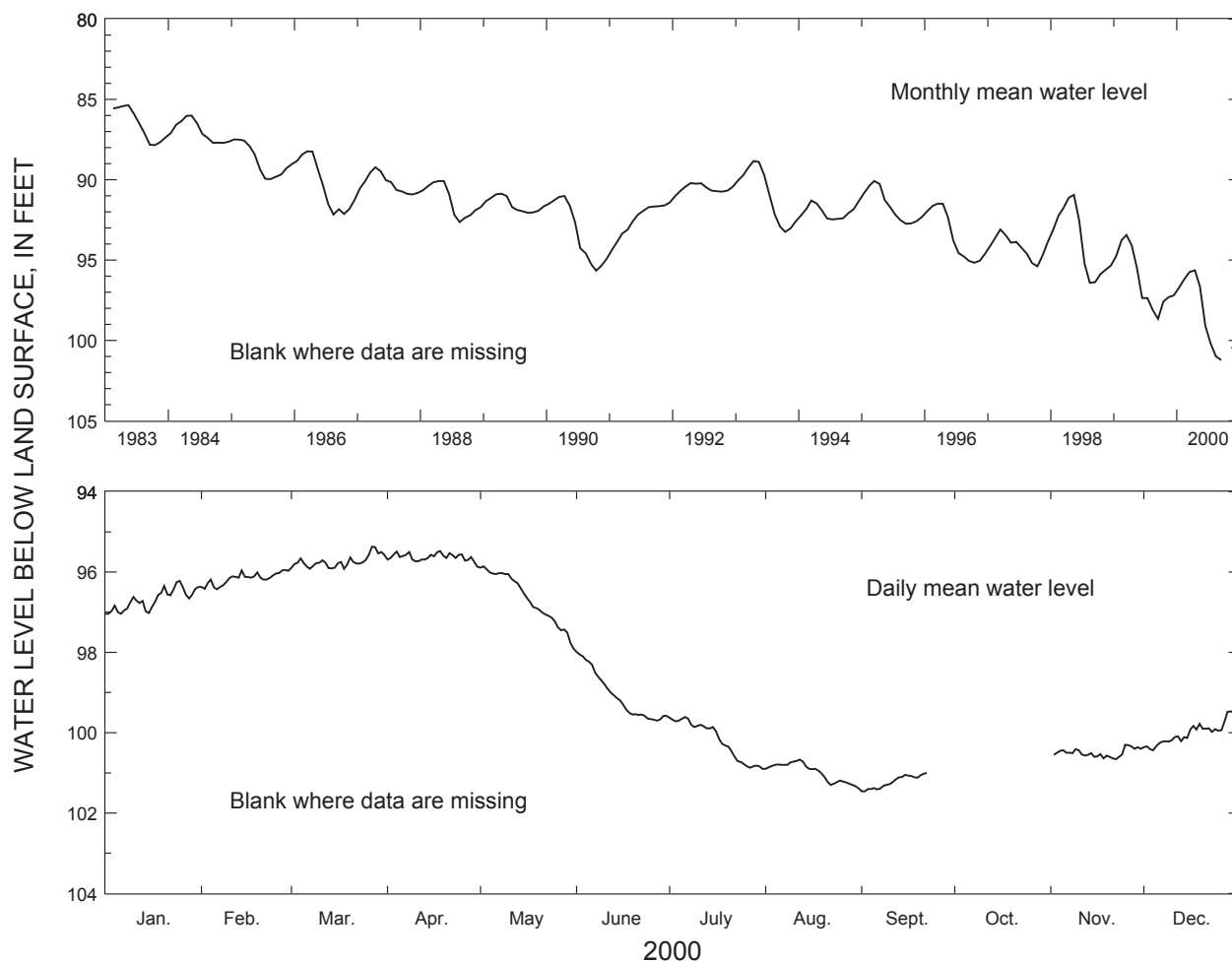
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 804 ft, cased to 420 ft, open hole.

DATUM.—Altitude of land-surface datum is 120 ft.

REMARKS.—Water-level data for period, September 23 to November 1, 2000, are missing.

PERIOD OF RECORD.—February 1983 to current year. Continuous record since February 1983.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 85.08 ft below land-surface datum, April 24, 1983;  
lowest, 101.46 ft below land-surface datum, September 1-2, 2000.



| 2000             | JAN                        | FEB   | MAR   | APR   | MAY   | JUNE       | JULY   | AUG                          | SEPT  | OCT   | NOV    | DEC    |
|------------------|----------------------------|-------|-------|-------|-------|------------|--------|------------------------------|-------|-------|--------|--------|
| HIGH             | 96.22                      | 95.95 | 95.37 | 95.48 | 95.86 | 97.99      | 99.61  | 100.67                       | ----- | ----- | 100.30 | 99.47  |
| MEAN             | 96.69                      | 96.16 | 95.74 | 95.63 | 96.67 | 99.08      | 100.19 | 100.99                       | ----- | ----- | 100.50 | 100.01 |
| LOW              | 97.04                      | 96.43 | 95.92 | 95.87 | 97.90 | 99.70      | 100.90 | 101.39                       | ----- | ----- | 100.66 | 100.44 |
| SUMMARY FOR 2000 | HIGH 95.37 (Mar. 27, 2000) |       |       |       |       | MEAN ----- |        | LOW 101.46 (Sept. 1-2, 2000) |       |       |        |        |

**IDENTIFICATION NUMBER.—32Y030.**

COUNTY.—Burke

LOCATION.—Lat 33°05'48", long 81°39'11", Hydrologic Unit 03060106.

SITE NAME.—Brighams Landing, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Lower Midville.

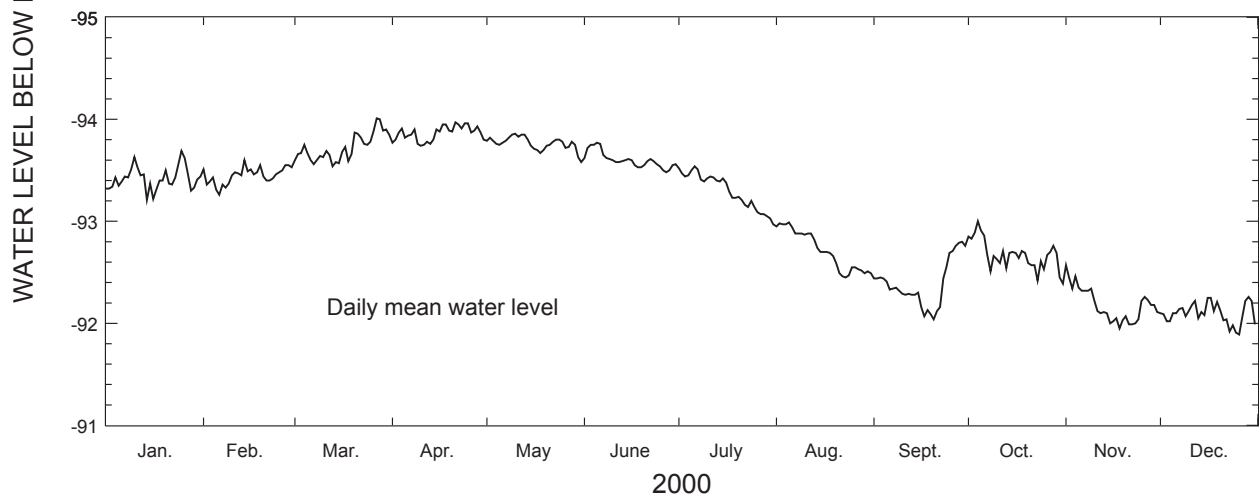
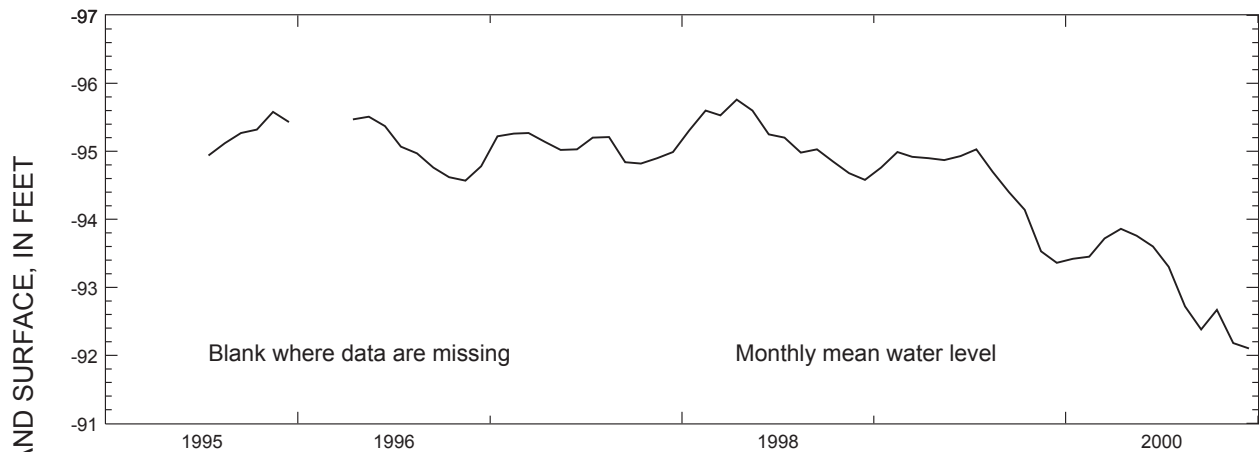
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 and 4 in., depth 1,020 ft, cased 6 in. to 818 and 4 in. from 818 to 920 ft and 970 to 1,020 ft, screen from 920 to 970 ft.

DATUM.—Altitude of land-surface datum is 85 ft.

REMARKS.—Well freeflows 300-330 gallons per minute.

PERIOD OF RECORD.—July 1995 to current year. Continuous record since July 1995.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 96.01 ft above land-surface datum, May 4, 1998;  
lowest, 91.89 ft above land-surface datum, December 26, 2000.



| 2000   | JAN   | FEB    | MAR    | APR    | MAY    | JUNE   | JULY   | AUG    | SEPT   | OCT    | NOV    | DEC    |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| HIGH - | 93.69 | -93.60 | -94.01 | -93.97 | -93.86 | -93.77 | -93.54 | -92.99 | -92.80 | -93.00 | -92.57 | -92.26 |
| MEAN - | 93.42 | -93.45 | -93.72 | -93.86 | -93.76 | -93.60 | -93.30 | -92.72 | -92.38 | -92.67 | -92.18 | -92.10 |
| LOW -  | 93.21 | -93.26 | -93.54 | -93.74 | -93.58 | -93.48 | -92.97 | -92.45 | -92.04 | -92.39 | -91.95 | -91.89 |

SUMMARY FOR 2000 HIGH -94.01 (Mar. 27, 2000) MEAN -93.10 LOW -91.89 (Dec. 26, 2000)

[Negative value indicates water level above land surface]

**IDENTIFICATION NUMBER.—32Y031.**

COUNTY.—Burke

LOCATION.—Lat 35°05'49", long 81°39'11", Hydrologic Unit 03060106.

SITE NAME.—Brighams Landing, test well 2.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Lower Dublin.

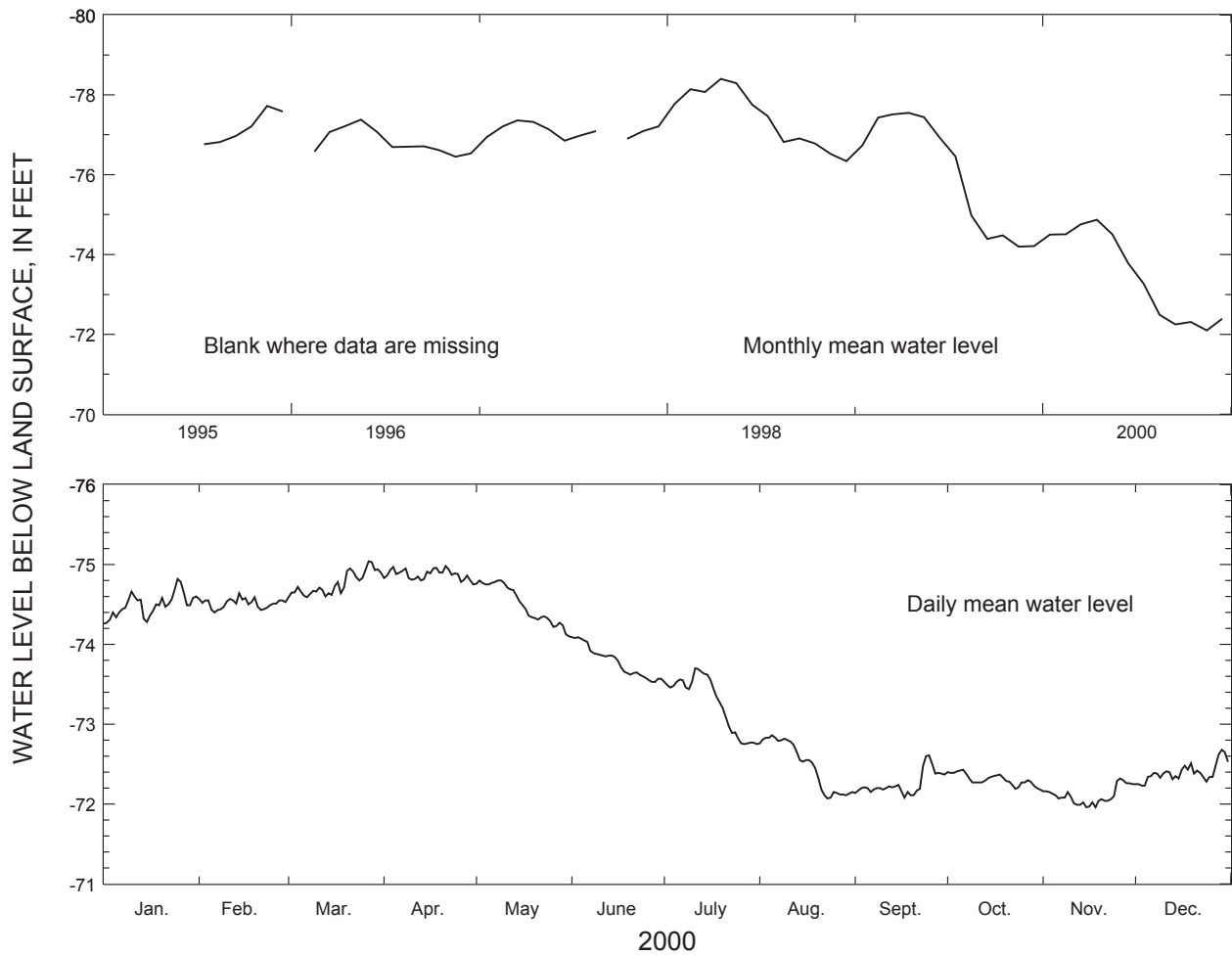
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 and 4 in., depth 568 ft, 6 in. casing to 490 ft and 4 in. from 490 to 502 ft and 552 to 568 ft, screen from 502 to 552 ft.

DATUM.—Altitude of land-surface datum is 85 ft.

REMARKS.—Well freeflows 200 gallons per minute.

PERIOD OF RECORD.—July 1995 to current year. Continuous record since July 1995.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 78.81 ft above land-surface datum, May 4, 1998;  
lowest, 71.96 ft above land-surface datum, November 15, 2000.



| 2000   | JAN   | FEB    | MAR    | APR    | MAY    | JUNE   | JULY   | AUG    | SEPT   | OCT    | NOV    | DEC    |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| HIGH - | 74.82 | -74.64 | -75.04 | -74.98 | -74.80 | -74.09 | -73.70 | -72.86 | -72.61 | -72.43 | -72.32 | -72.68 |
| MEAN - | 74.50 | -74.51 | -74.76 | -74.87 | -74.51 | -73.78 | -73.27 | -72.49 | -72.25 | -72.31 | -72.10 | -72.39 |
| LOW -  | 74.26 | -74.40 | -74.59 | -74.75 | -74.10 | -73.53 | -72.75 | -72.07 | -72.08 | -72.18 | -71.96 | -72.23 |

SUMMARY FOR 2000 HIGH -75.04 (Mar. 27, 2000) MEAN -73.48 LOW -71.96 (Nov. 15, 2000)

[Negative value indicates water level above land surface]



**IDENTIFICATION NUMBER.—32Y033.**

COUNTY.—Burke

LOCATION.—Lat 33°05'48", long 81°39'11", Hydrologic Unit 03060106.

SITE NAME.—Brighams Landing, test well 3.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Gordon aquifer system.

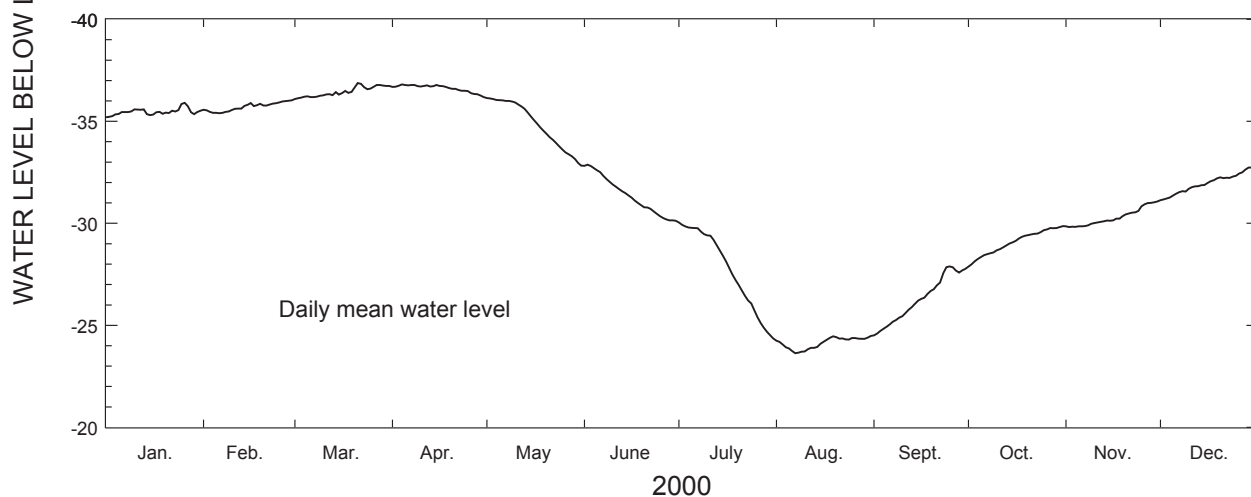
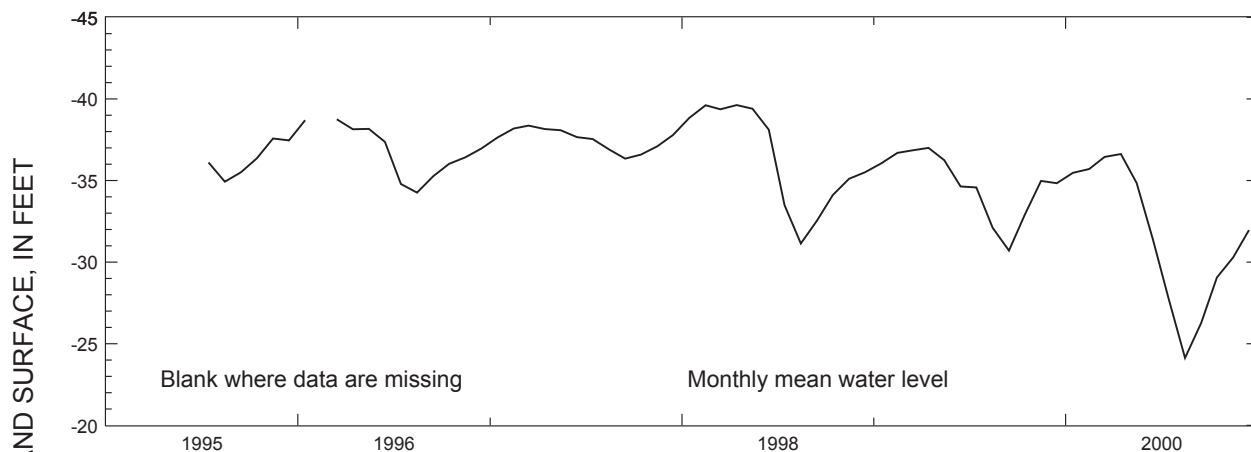
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 and 4 in., depth 210 ft, 6 in. casing to 125 ft and 4 in. casing from 125 to 150 ft and 200 to 210 ft, screen from 150 to 200 ft.

DATUM.—Altitude of land-surface datum is 85 ft.

REMARKS.—Well freeflows 100-120 gpm (gallons per minute).

PERIOD OF RECORD.—July 1995 to current year. Continuous record since July 1995.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 40.20 ft above land-surface datum, April 22, 1998; lowest, 23.63 ft above land-surface datum, August 7, 2000.



| 2000   | JAN   | FEB    | MAR    | APR    | MAY    | JUNE   | JULY   | AUG    | SEPT   | OCT    | NOV    | DEC    |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| HIGH - | 35.91 | -36.03 | -36.88 | -36.81 | -36.14 | -32.88 | -30.04 | -24.48 | -27.89 | -29.86 | -31.07 | -32.73 |
| MEAN - | 35.47 | -35.71 | -36.45 | -36.62 | -34.85 | -31.38 | -27.74 | -24.13 | -26.27 | -29.06 | -30.29 | -31.96 |
| LOW -  | 35.20 | -35.40 | -36.09 | -36.19 | -32.83 | -30.13 | -24.36 | -23.63 | -24.51 | -27.88 | -29.82 | -31.13 |

SUMMARY FOR 2000 HIGH -36.88 (Mar. 21, 2000) MEAN -31.64 LOW -23.63 (Aug. 7, 2000)

[Negative value indicates water level above land surface]

**IDENTIFICATION NUMBER.—33D069.**

COUNTY.—Camden

LOCATION.—Lat 30°43'13", long 81°33'00", Hydrologic Unit 03070204.

SITE NAME.—U.S. National Park Service, Cumberland Island National Seashore.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

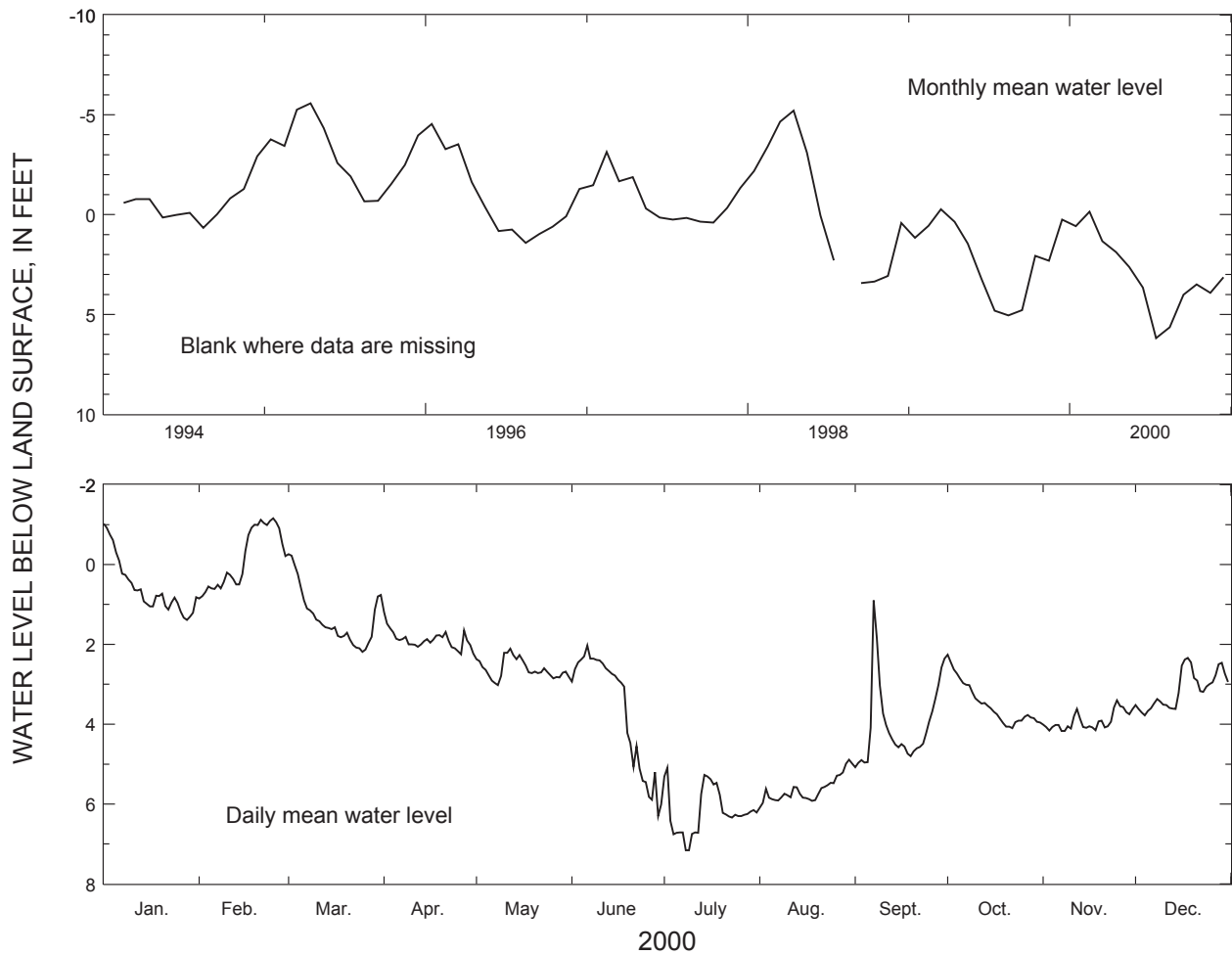
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 515 ft, cased to 467 ft, open hole.

DATUM.—Altitude of land-surface datum is 8 ft.

REMARKS.—None.

PERIOD OF RECORD.—February 1994 to current year. Continuous record since February 1994.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 8.74 ft above land-surface datum, April 24, 1997;  
lowest, 7.16 ft below land-surface datum, July 8-9, 2000.



| 2000 | JAN   | FEB   | MAR   | APR  | MAY  | JUNE | JULY | AUG  | SEPT | OCT  | NOV  | DEC  |
|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| HIGH | -1.02 | -1.16 | -0.26 | 1.19 | 2.11 | 2.03 | 5.09 | 4.89 | 0.90 | 2.26 | 3.40 | 2.34 |
| MEAN | 0.58  | -0.15 | 1.33  | 1.88 | 2.62 | 3.66 | 6.19 | 5.64 | 4.01 | 3.50 | 3.92 | 3.14 |
| LOW  | 1.39  | 0.85  | 2.19  | 2.25 | 3.02 | 6.30 | 7.16 | 6.09 | 5.08 | 4.10 | 4.17 | 3.78 |

SUMMARY FOR 2000 HIGH -1.16 (Feb. 25, 2000) MEAN 3.04 LOW 7.16 (July 8-9, 2000)

[Negative value indicates water level above land surface]

**IDENTIFICATION NUMBER.—33E007.**

COUNTY.—Camden

LOCATION.—Lat 30°45'10", long 81°34'38", Hydrologic Unit 03070203.

SITE NAME.—Huntly-Jiffy.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

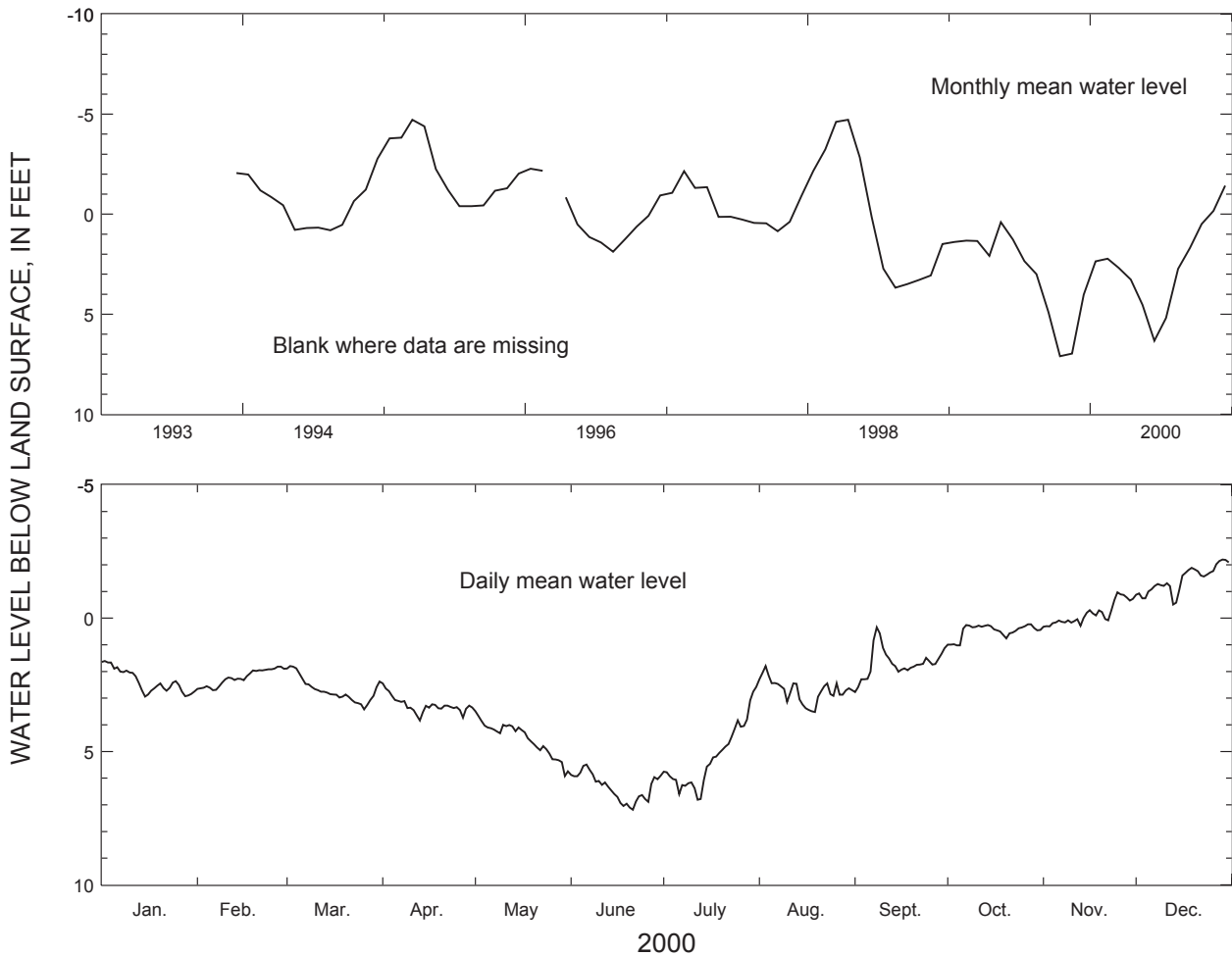
WELL CHARACTERISTICS.—Drilled unused domestic well, diameter 3 in., depth 760 ft, cased to 552 ft, open hole.

DATUM.—Altitude of land-surface datum is 18 ft.

REMARKS.—None.

PERIOD OF RECORD.—December 1993 to current year. Continuous record since December 1993.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 5.55 ft above land-surface datum, April 30, 1998;  
lowest, 7.64 ft below land-surface datum, September 26, 1999.



| 2000 | JAN  | FEB  | MAR  | APR  | MAY  | JUNE | JULY | AUG  | SEPT | OCT  | NOV   | DEC   |
|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| HIGH | 1.61 | 1.82 | 1.80 | 2.45 | 3.49 | 5.49 | 2.58 | 1.80 | 0.34 | 0.23 | -0.97 | -2.20 |
| MEAN | 2.36 | 2.23 | 2.69 | 3.27 | 4.53 | 6.33 | 5.19 | 2.73 | 1.69 | 0.49 | -0.16 | -1.43 |
| LOW  | 2.94 | 2.70 | 3.42 | 3.84 | 5.92 | 7.18 | 6.81 | 3.52 | 2.77 | 1.02 | 0.32  | -0.51 |

SUMMARY FOR 2000 HIGH -2.20 (Dec. 29, 2000) MEAN 2.49 LOW 7.18 (June 21, 2000)  
[Negative value indicates water level above land surface]

**IDENTIFICATION NUMBER.—33E027.**

COUNTY.—Camden

LOCATION.—Lat 30°47'56", long 81°31'11", Hydrologic Unit 03070203.

SITE NAME.—U.S. Navy, Kings Bay, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

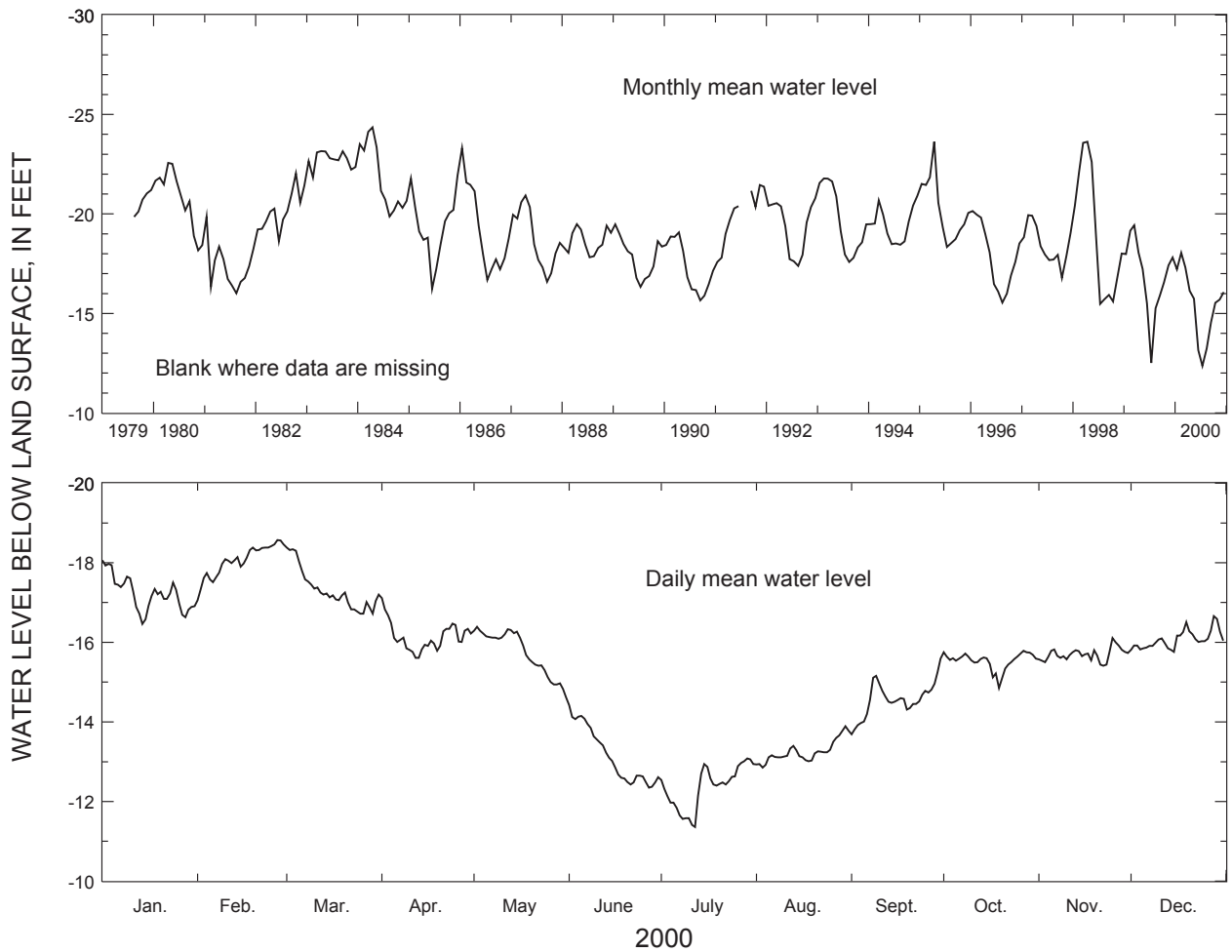
WELL CHARACTERISTICS.—Drilled observation well, diameter 8 in., original depth 1,306 ft, cased to 555 ft, backfilled to 990 ft, open hole.

DATUM.—Altitude of land-surface datum is 10.0 ft.

REMARKS.—None.

PERIOD OF RECORD.—August 1979 to current year. Continuous record since August 1979.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 24.71 ft above land-surface datum, March 28, 1984, and March 17, 1983; lowest, 9.92 ft above land-surface datum, July 13, 1999.



| 2000 | JAN    | FEB    | MAR    | APR    | MAY    | JUNE   | JULY   | AUG    | SEPT   | OCT    | NOV    | DEC    |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| HIGH | -18.06 | -18.57 | -18.38 | -17.11 | -16.39 | -14.42 | -13.08 | -13.89 | -15.59 | -15.79 | -16.11 | -16.66 |
| MEAN | -17.22 | -18.05 | -17.31 | -16.14 | -15.74 | -13.15 | -12.36 | -13.24 | -14.56 | -15.53 | -15.69 | -16.07 |
| LOW  | -16.46 | -17.06 | -16.72 | -15.61 | -14.62 | -12.35 | -11.36 | -12.85 | -13.69 | -14.85 | -15.41 | -15.76 |

SUMMARY FOR 2000 HIGH -18.57 (Feb. 27, 2000) MEAN -15.42 LOW -11.36 (July 12, 2000)

[Negative value indicates water level above land surface]

**IDENTIFICATION NUMBER.—33E054.**

COUNTY.—Camden

LOCATION.—Lat 30°48'50", long 81°34'20", Hydrologic Unit 03070203.

SITE NAME.—Rayland Company No. 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

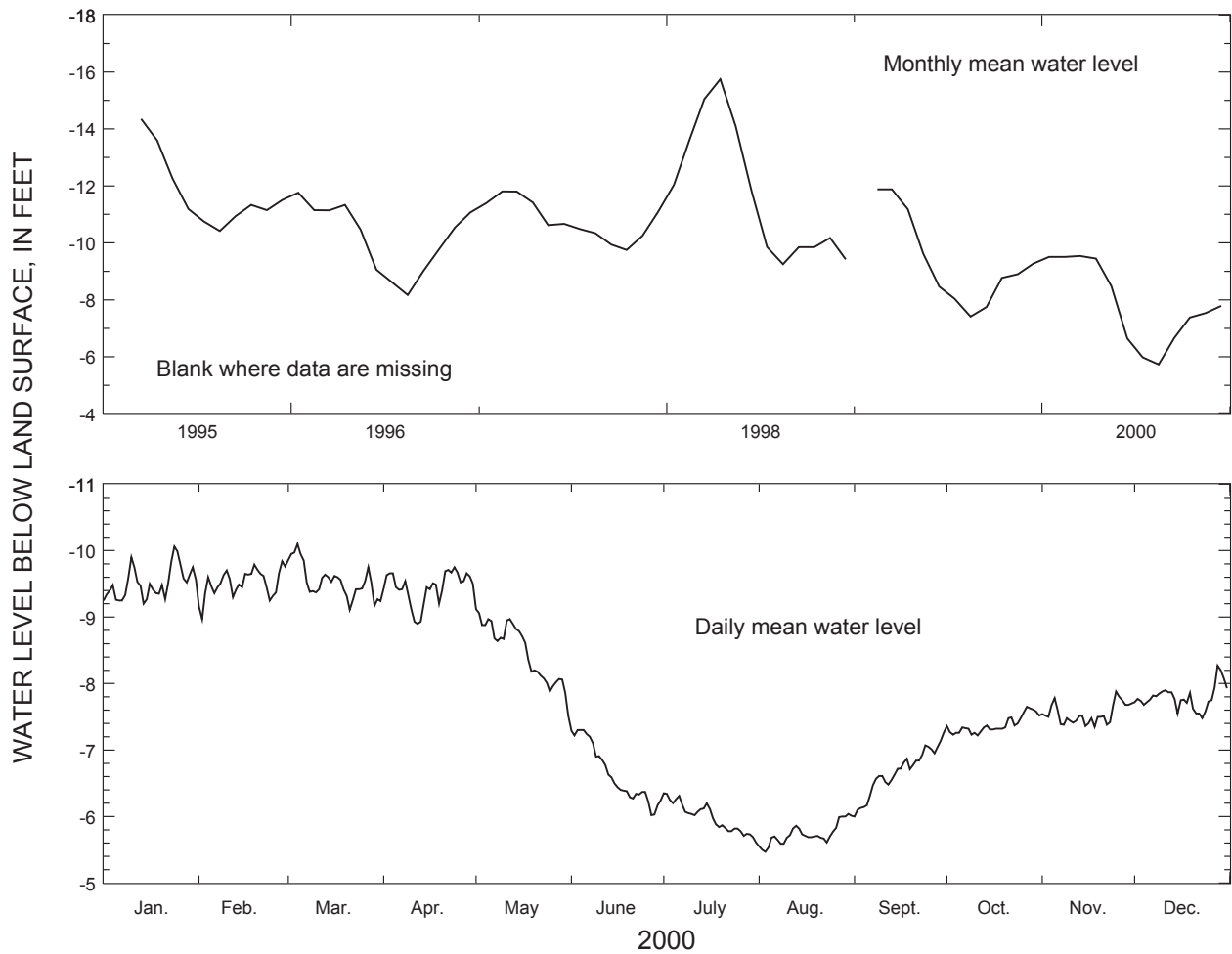
WELL CHARACTERISTICS.—Drilled observation well, diameter 10 in., depth 640 ft, cased to 63 ft, open hole.

DATUM.—Altitude of land-surface datum is 28 ft.

REMARKS.—None.

PERIOD OF RECORD.—March 1995 to current year. Continuous record since March 1995.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 16.08 ft above land-surface datum, April 9, 1998;  
lowest, 5.47 ft above land-surface datum, August 3, 2000.



| 2000 | JAN    | FEB   | MAR    | APR   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| HIGH | -10.06 | -9.84 | -10.10 | -9.75 | -9.12 | -7.30 | -6.35 | -6.04 | -7.26 | -7.65 | -7.88 | -8.27 |
| MEAN | -9.51  | -9.51 | -9.54  | -9.45 | -8.48 | -6.65 | -5.98 | -5.73 | -6.67 | -7.38 | -7.54 | -7.79 |
| LOW  | -9.20  | -8.97 | -9.11  | -8.90 | -7.52 | -6.02 | -5.61 | -5.47 | -6.00 | -7.22 | -7.35 | -7.48 |

SUMMARY FOR 2000 HIGH -10.10 (Mar. 4, 2000) MEAN -7.85 LOW -5.47 (Aug. 3, 2000)

[Negative value indicates water level above land surface]

**IDENTIFICATION NUMBER.—33H127.**

COUNTY.—Glynn

LOCATION.—Lat 31°10'06", long 81°30'16", Hydrologic Unit 03070203.

SITE NAME.—U.S. Geological Survey, test well 3.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan; lower water-bearing zone.

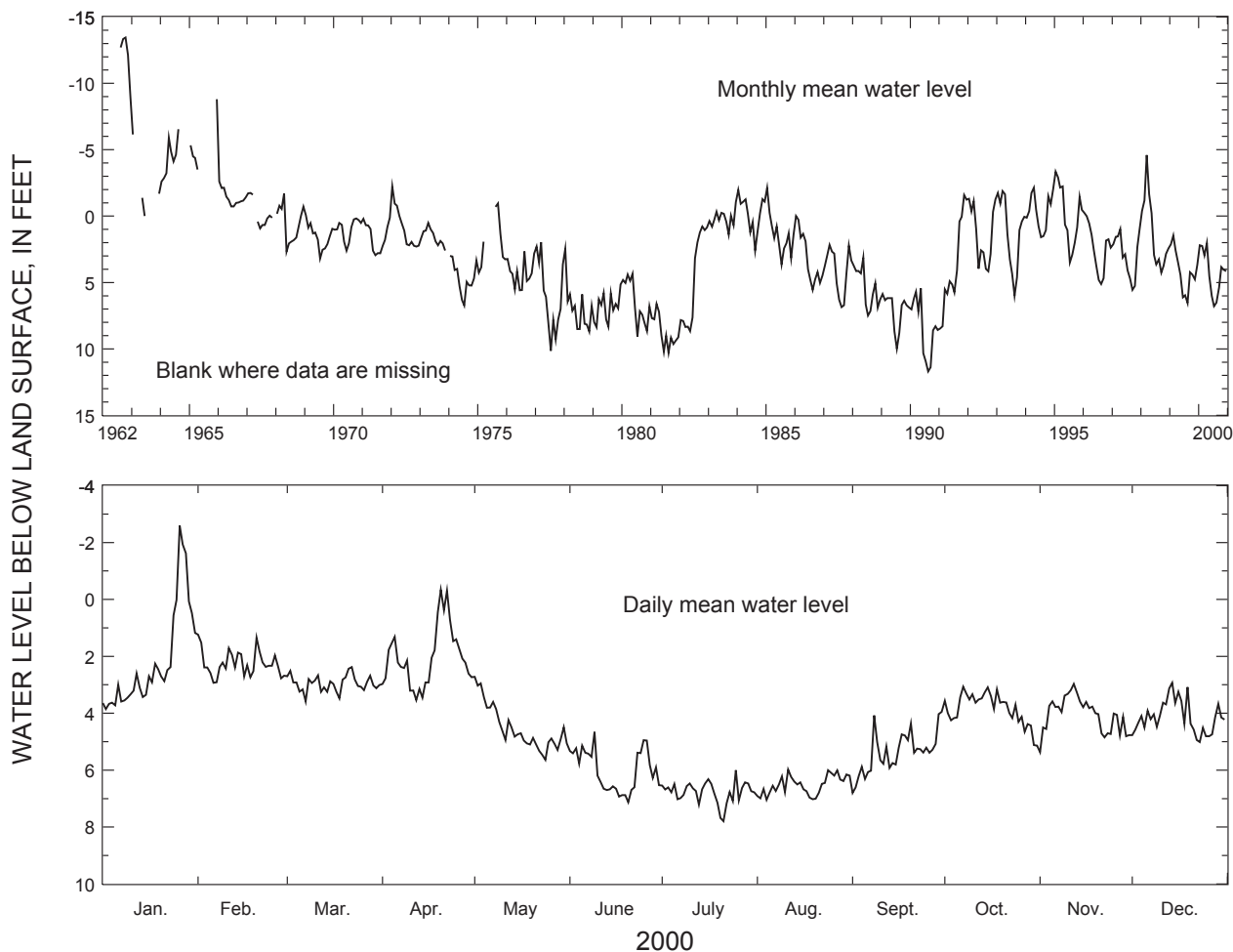
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 1,002 ft, cased to 823 ft, open hole.

DATUM.—Altitude of land-surface datum is 6.2 ft.

REMARKS.—Well pumped and sampled, June 6 and November 24, 2000, for analysis of chloride concentration.

PERIOD OF RECORD.—August 1962 to current year. Continuous record since August 1962.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 14.00 ft above land-surface datum, October 9, 1962; lowest, 13.22 ft below land-surface datum, July 9, 1990.



| 2000 | JAN   | FEB  | MAR  | APR   | MAY  | JUNE | JULY | AUG  | SEPT | OCT  | NOV  | DEC  |
|------|-------|------|------|-------|------|------|------|------|------|------|------|------|
| HIGH | -2.60 | 1.24 | 2.38 | -0.34 | 2.72 | 4.66 | 6.00 | 5.98 | 3.95 | 3.07 | 2.97 | 2.93 |
| MEAN | 2.20  | 2.25 | 2.96 | 2.03  | 4.53 | 6.00 | 6.78 | 6.52 | 5.38 | 3.84 | 4.05 | 4.14 |
| LOW  | 3.85  | 2.93 | 3.58 | 3.54  | 5.64 | 7.13 | 7.79 | 7.04 | 6.80 | 5.14 | 5.37 | 5.01 |

SUMMARY FOR 2000 HIGH -2.60 (Jan. 26, 2000) MEAN 4.23 LOW 7.79 (July 21, 2000)

[Negative value indicates water level above land surface]

**IDENTIFICATION NUMBER.—33H133.**

COUNTY.—Glynn

LOCATION.—Lat 31°10'08", long 81°30'16", Hydrologic Unit 03070203.

SITE NAME.—U.S. Geological Survey, test well 6.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan; upper water-bearing zone.

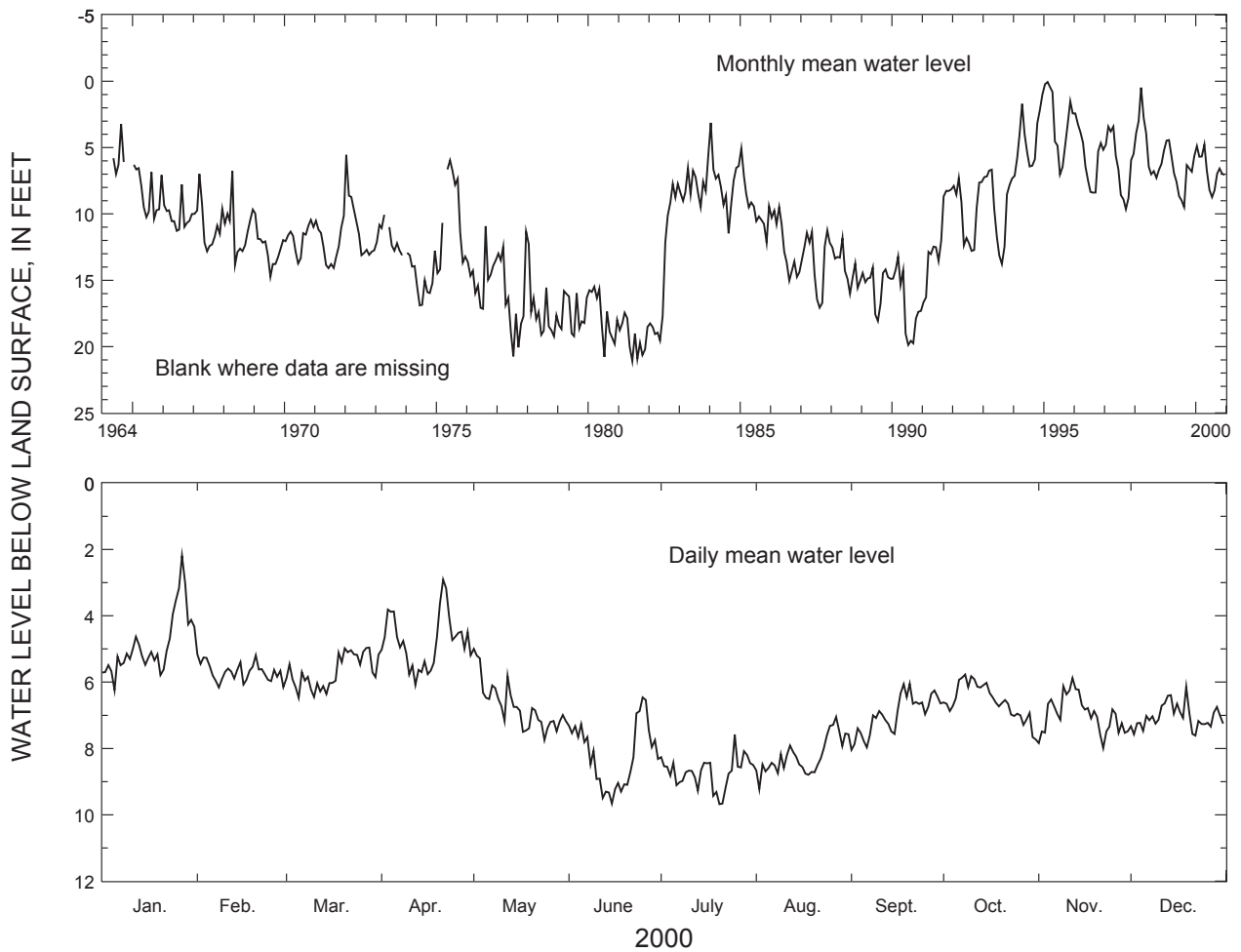
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 790 ft, cased to 520 ft, open hole.

DATUM.—Altitude of land-surface datum is 6.7 ft.

REMARKS.—Well pumped and sampled, June 6 and November 15, 2000, for analysis of chloride concentration.

PERIOD OF RECORD.—May 1964 to current year. Continuous record since May 1964.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 9.07 ft above land-surface datum, December 26, 1965; lowest, 21.87 ft below land-surface datum, July 22, 1977.



| 2000             | JAN  | FEB  | MAR  | APR                  | MAY  | JUNE | JULY | AUG  | SEPT | OCT  | NOV                  | DEC  |
|------------------|------|------|------|----------------------|------|------|------|------|------|------|----------------------|------|
| HIGH             | 2.19 | 5.16 | 4.96 | 2.91                 | 5.00 | 6.46 | 7.58 | 7.05 | 6.05 | 5.77 | 5.88                 | 6.14 |
| MEAN             | 4.88 | 5.69 | 5.68 | 4.77                 | 6.73 | 8.19 | 8.73 | 8.23 | 6.97 | 6.58 | 6.97                 | 7.05 |
| LOW              | 6.24 | 6.16 | 6.47 | 6.09                 | 7.75 | 9.66 | 9.68 | 9.23 | 8.04 | 7.73 | 7.99                 | 7.61 |
| SUMMARY FOR 2000 |      |      | HIGH | 2.19 (Jan. 27, 2000) |      |      | MEAN | 6.71 |      | LOW  | 9.68 (July 20, 2000) |      |

**IDENTIFICATION NUMBER.—33H141.**

COUNTY.—Glynn

LOCATION.—Lat 31°10'44", long 81°32'31", Hydrologic Unit 03070203.

SITE NAME.—U.S. Geological Survey, test well 12.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

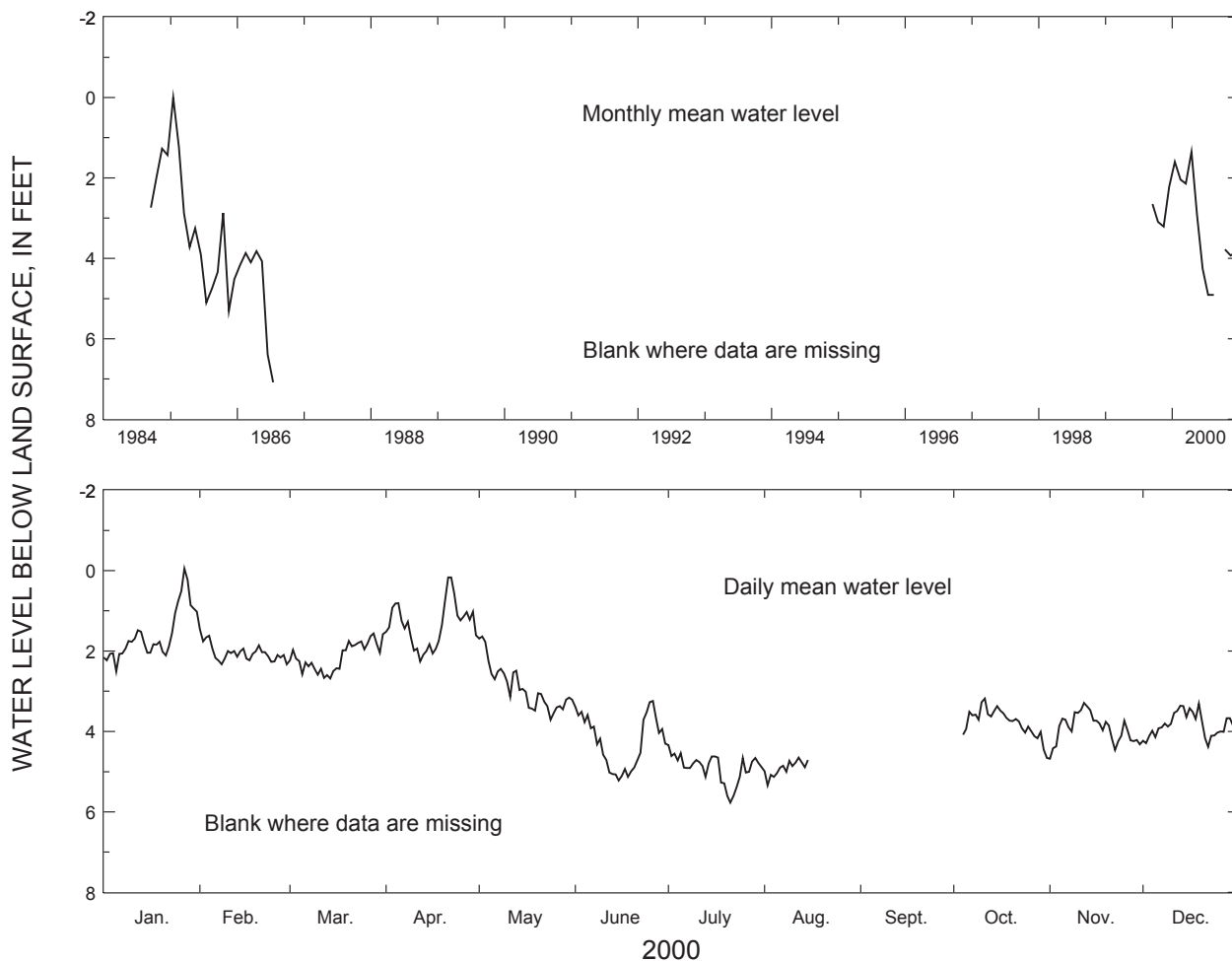
WELL CHARACTERISTICS.—Drilled observation well, diameter 3 in., depth 720 ft, cased to 558 ft, open hole.

DATUM.—Altitude of land-surface datum is 12.55 ft.

REMARKS.—Water-level data for period, August 16 to October 3, 2000 are missing.

PERIOD OF RECORD.— May 1984 to July 1986. Continuous record since September 1999.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 3.67 ft above land-surface datum, October 10, 1985; lowest, 8.69ft below land-surface datum, July 21, 1986.



| 2000 | JAN   | FEB  | MAR  | APR  | MAY  | JUNE | JULY | AUG   | SEPT  | OCT  | NOV  | DEC  |
|------|-------|------|------|------|------|------|------|-------|-------|------|------|------|
| HIGH | -0.05 | 1.46 | 1.56 | 0.17 | 1.64 | 3.24 | 4.34 | ----- | ----- | 3.18 | 3.29 | 3.31 |
| MEAN | 1.60  | 2.04 | 2.14 | 1.35 | 2.91 | 4.26 | 4.91 | ----- | ----- | 3.78 | 3.93 | 3.84 |
| LOW  | 2.51  | 2.33 | 2.68 | 2.26 | 3.71 | 5.22 | 5.77 | ----- | ----- | 4.66 | 4.68 | 4.38 |

SUMMARY FOR 2000 HIGH -0.05 (Jan. 27, 2000) MEAN ----- LOW 5.77 (July 21, 2000)

[Negative value indicates water level above land surface]



**IDENTIFICATION NUMBER.—33H188.**

COUNTY.—Glynn

LOCATION.—Lat 31°08'10", long 81°32'35", Hydrologic Unit 03070203.

SITE NAME.—U.S. Geological Survey, test well 26.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Lower Floridan; Fernandina permeable zone.

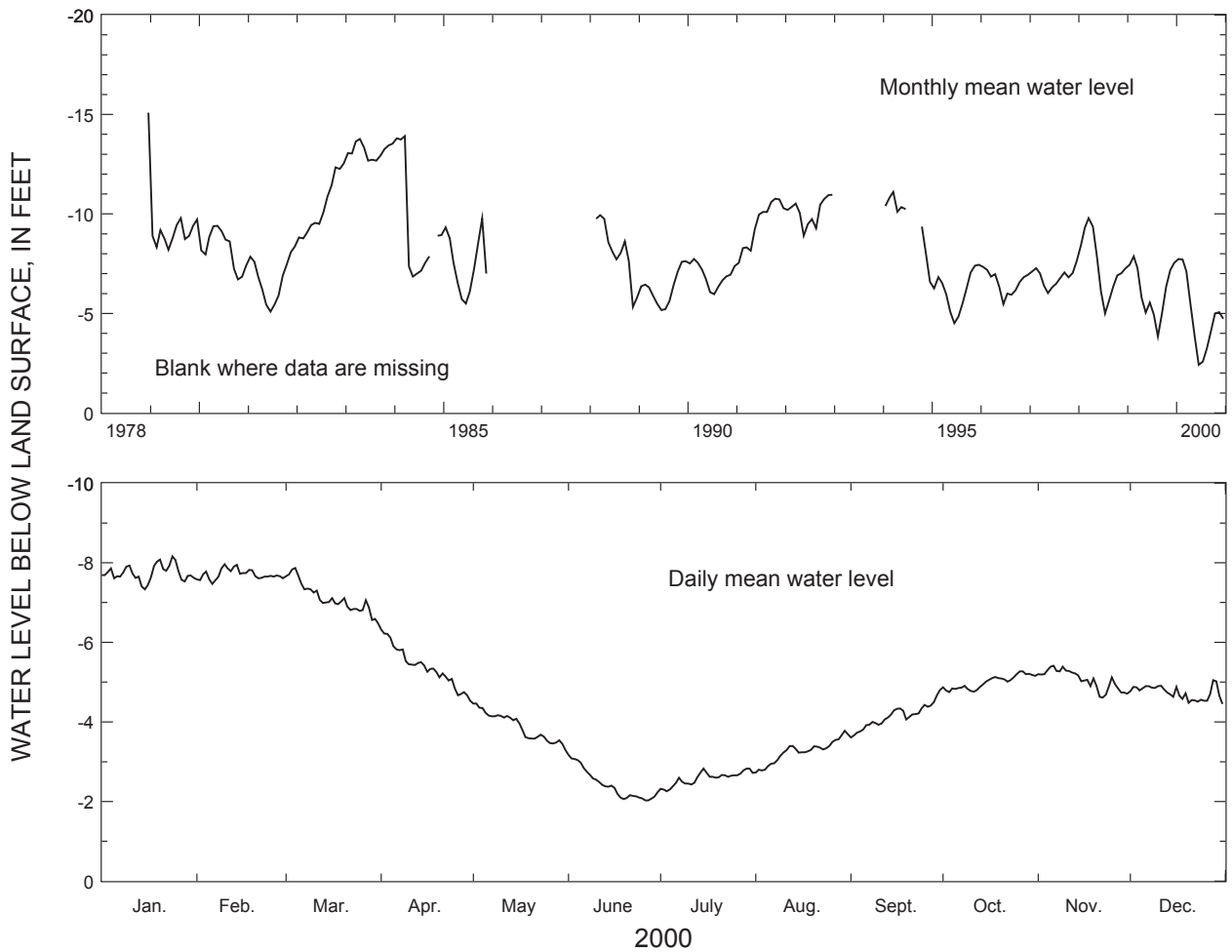
WELL CHARACTERISTICS.—Drilled observation well, diameter 10 in., depth 2,720 ft, cased to 2,138 ft, open hole.

DATUM.—Altitude of land-surface datum is 9.37 ft.

REMARKS.—None.

PERIOD OF RECORD.—December 1978 to current year. Continuous record since December 1978.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 17.20 ft above land-surface datum, December 31, 1978, but may have been higher during period of missing record; lowest, 2.03 ft above land-surface datum, August 26-27, 2000.



| 2000 | JAN   | FEB   | MAR   | APR   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| HIGH | -8.16 | -7.96 | -7.87 | -6.32 | -4.46 | -3.17 | -2.83 | -3.78 | -4.80 | -5.27 | -5.41 | -5.05 |
| MEAN | -7.74 | -7.71 | -7.12 | -5.38 | -3.88 | -2.42 | -2.58 | -3.26 | -4.14 | -5.00 | -5.06 | -4.73 |
| LOW  | -7.33 | -7.47 | -6.48 | -4.53 | -3.30 | -2.03 | -2.26 | -2.73 | -3.61 | -4.75 | -4.61 | -4.45 |

SUMMARY FOR 2000 HIGH -8.16 (Jan. 24, 2000) MEAN -4.91 LOW -2.03 (June 26-27, 2000)

[Negative value indicates water level above land surface]

**IDENTIFICATION NUMBER.—33H206.**

COUNTY.—Glynn

LOCATION.—Lat 31°09'25", long 81°31'22", Hydrologic Unit 03070203.

SITE NAME.—Georgia-Pacific, south, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Lower Floridan.

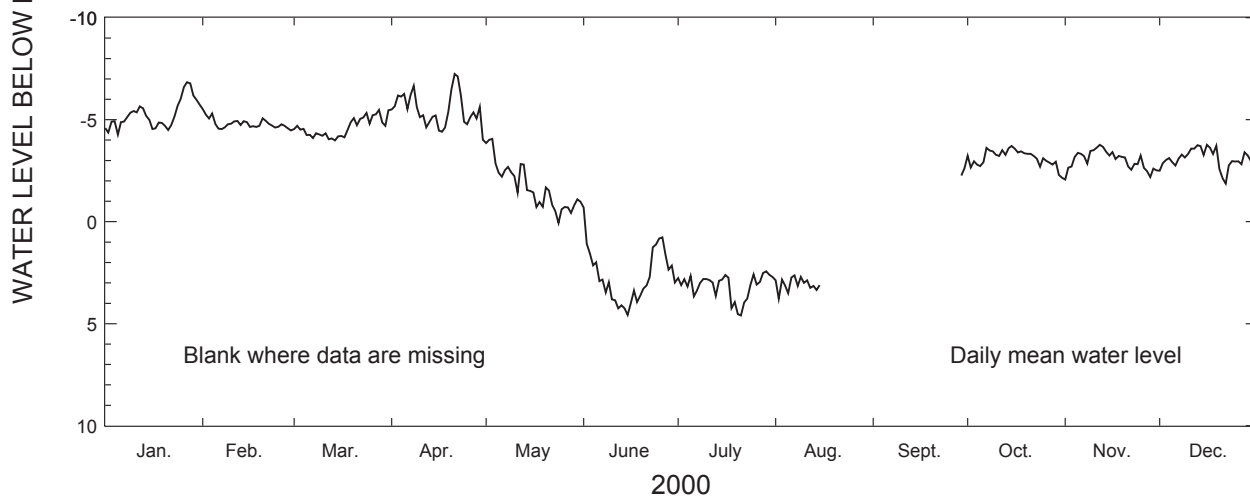
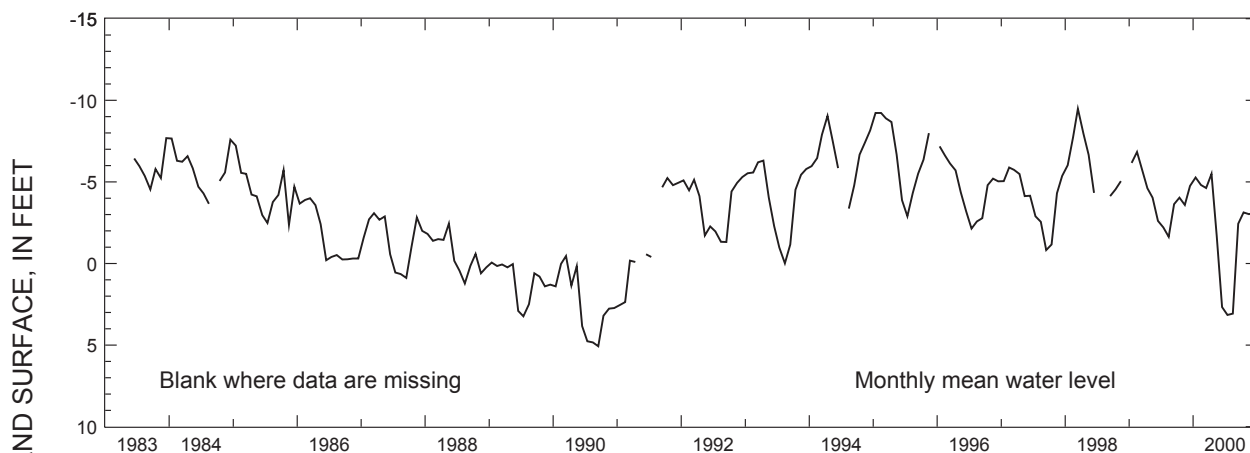
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 1,100 ft, cased to 1,000 ft, open hole.

DATUM.—Altitude of land-surface datum is 7 ft.

REMARKS.—Well pumped and sampled, June 7, 2000, for analysis of chloride concentration. Water-level data for period, August 16 to September 28, 2000, are missing.

PERIOD OF RECORD.—June 1983 to current year. Continuous record since June 1983.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 15.23 ft above land-surface datum, December 28, 1983; lowest, 5.93 ft below land-surface datum, July 8, 1990.



| 2000 | JAN   | FEB   | MAR   | APR   | MAY   | JUNE  | JULY | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|
| HIGH | -6.84 | -5.52 | -5.48 | -7.24 | -4.06 | -0.69 | 2.43 | ----- | ----- | -3.71 | -3.77 | -3.77 |
| MEAN | -5.27 | -4.81 | -4.62 | -5.49 | -1.71 | 2.67  | 3.15 | ----- | ----- | -3.13 | -3.02 | -3.10 |
| LOW  | -4.27 | -4.48 | -3.99 | -4.01 | 0.06  | 4.57  | 4.60 | ----- | ----- | -2.15 | -2.07 | -1.87 |

SUMMARY FOR 2000 HIGH -7.24 (Apr. 21, 2000) MEAN ----- LOW 4.60 (July 21, 2000)

[Negative value indicates water level above land surface]

**IDENTIFICATION NUMBER.—33H207**

COUNTY.—Glynn

LOCATION.—Lat 31°09'25", long 81°31'22", Hydrologic Unit 03070203.

SITE NAME.—Georgia-Pacific, south, test well 2.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan; upper water-bearing zone.

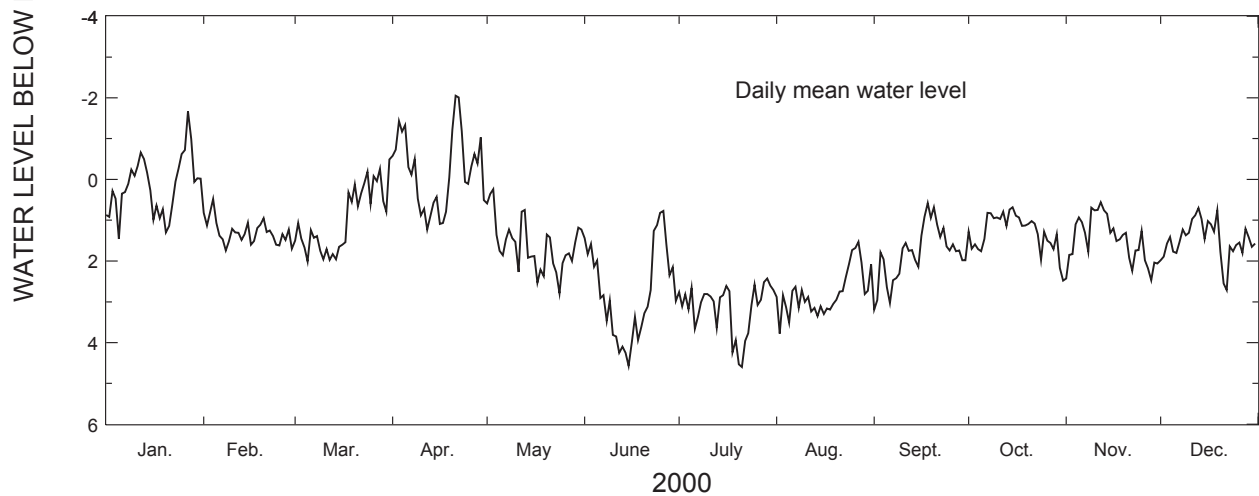
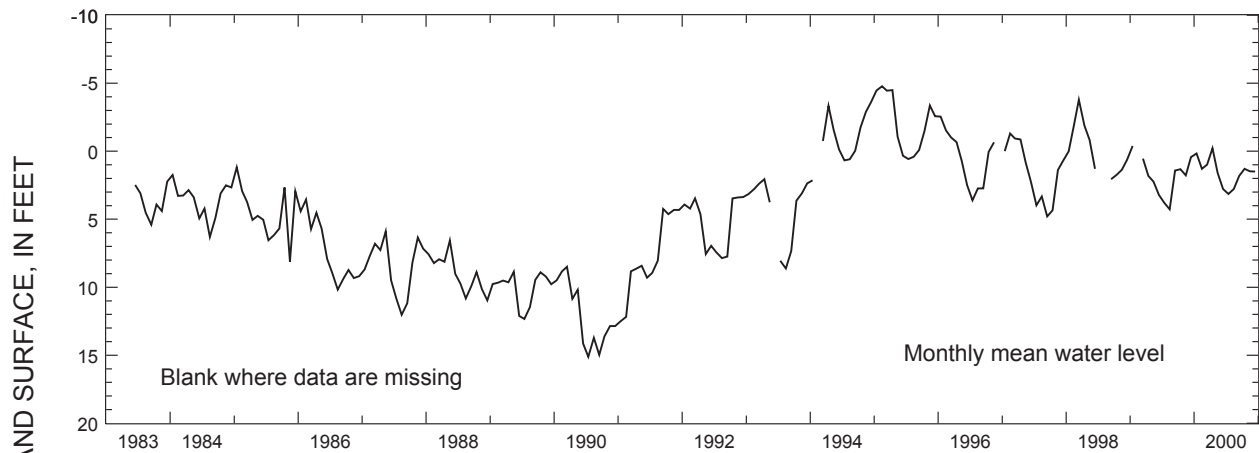
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 720 ft, cased to 620 ft, open hole.

DATUM.—Altitude of land-surface datum is 7 ft.

REMARKS.—Well pumped and sampled, June 7, 2000, for analysis of chloride concentration.

PERIOD OF RECORD.—June 1983 to current year. Continuous record since June 1983.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 9.86 ft above land-surface datum, November 9, 1995; lowest, 16.57 ft below land-surface datum, September 14, 1990.



| 2000 | JAN   | FEB  | MAR   | APR   | MAY  | JUNE | JULY | AUG  | SEPT | OCT  | NOV  | DEC  |
|------|-------|------|-------|-------|------|------|------|------|------|------|------|------|
| HIGH | -1.67 | 0.48 | -0.49 | -2.05 | 0.24 | 0.77 | 2.43 | 1.53 | 0.58 | 0.68 | 0.56 | 0.70 |
| MEAN | 0.17  | 1.29 | 0.99  | -0.21 | 1.61 | 2.77 | 3.15 | 2.78 | 1.81 | 1.29 | 1.48 | 1.49 |
| LOW  | 1.46  | 1.74 | 2.01  | 1.23  | 2.79 | 4.57 | 4.60 | 3.78 | 3.19 | 2.48 | 2.47 | 2.71 |

SUMMARY FOR 2000 HIGH -2.05 (Apr. 21, 2000) MEAN 1.56 LOW 4.60 (July 21, 2000)

[Negative value indicates water level above land surface]

**IDENTIFICATION NUMBER.—33H208.**

COUNTY.—Glynn

LOCATION.—Lat 31°09'25", long 81°31'22", Hydrologic Unit 03070203.

SITE NAME.—Georgia-Pacific, south, test well 3.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Surficial (sand of Miocene and post-Miocene age).

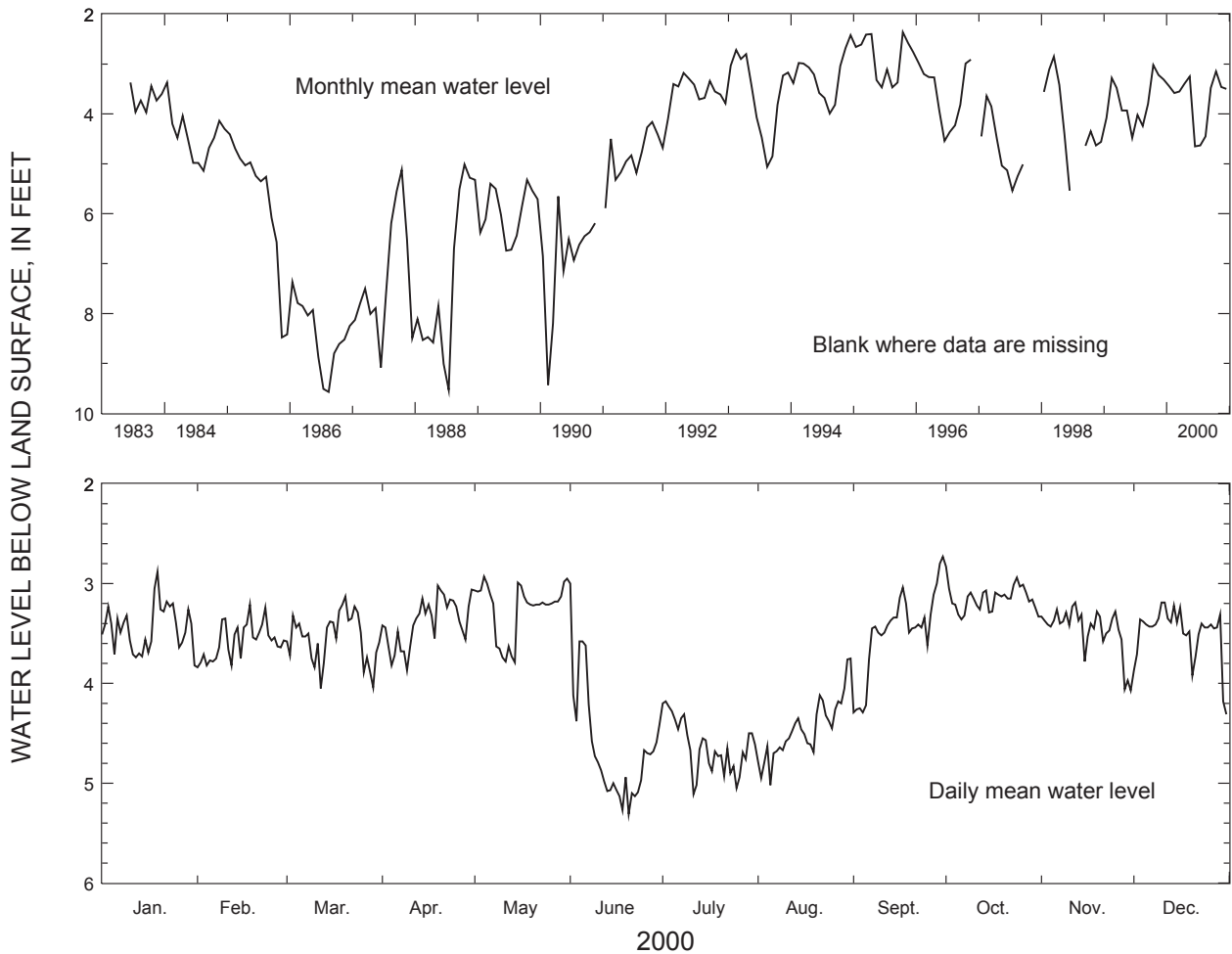
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 155 ft, cased to 135 ft, screen 135 to 155 ft.

DATUM.—Altitude of land-surface datum is 7 ft.

REMARKS.—None.

PERIOD OF RECORD.—June 1983 to current year. Continuous record since June 1983.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 1.88 ft below land-surface datum, April 14, 1995, but may have been higher during period of missing record; lowest, 10.04 ft below land-surface datum, August 4, 1986.



| 2000             | JAN                        | FEB  | MAR  | APR  | MAY  | JUNE      | JULY | AUG                      | SEPT | OCT  | NOV  | DEC  |
|------------------|----------------------------|------|------|------|------|-----------|------|--------------------------|------|------|------|------|
| HIGH             | 2.88                       | 3.21 | 3.13 | 3.02 | 2.93 | 3.00      | 4.18 | 3.75                     | 2.73 | 2.83 | 3.19 | 3.19 |
| MEAN             | 3.44                       | 3.58 | 3.55 | 3.39 | 3.25 | 4.65      | 4.63 | 4.45                     | 3.48 | 3.15 | 3.46 | 3.50 |
| LOW              | 3.82                       | 3.84 | 4.05 | 3.87 | 3.79 | 5.31      | 5.11 | 5.02                     | 4.29 | 3.36 | 4.07 | 4.31 |
| SUMMARY FOR 2000 | HIGH 2.73 (Sept. 30, 2000) |      |      |      |      | MEAN 3.71 |      | LOW 5.31 (June 20, 2000) |      |      |      |      |

**IDENTIFICATION NUMBER.—33J044.**

COUNTY.—Glynn

LOCATION.—Lat 31°16'33", long 81°32'40", Hydrologic Unit 03070203.

SITE NAME.—Georgia-Pacific, U.S. Geological Survey, test well 27.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Lower Floridan.

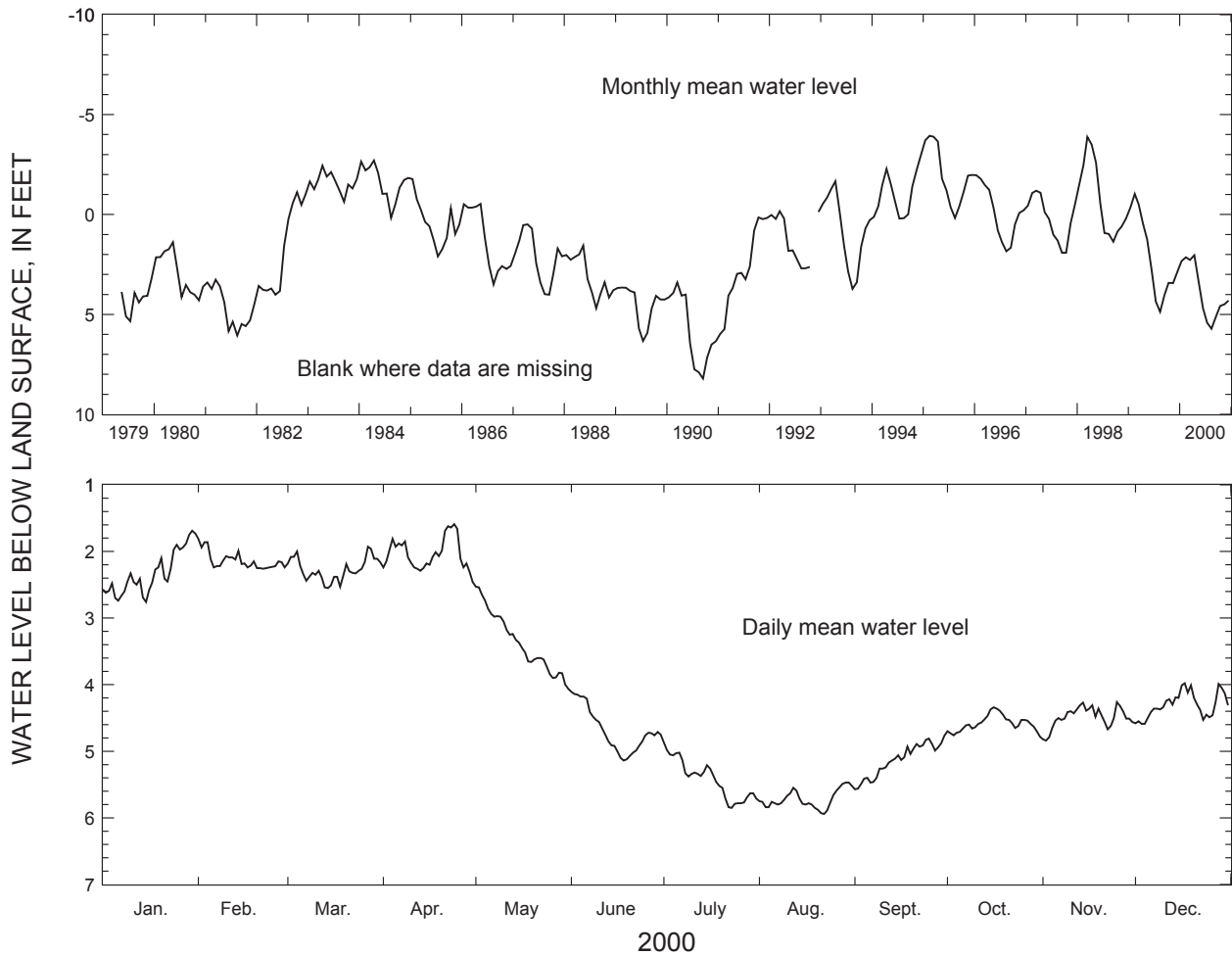
WELL CHARACTERISTICS.—Drilled unused oil-test well converted to observation well, diameter 9 in., depth 2,260 ft, cased to 1,079 ft, open hole.

DATUM.—Altitude of land-surface datum is 20 ft.

REMARKS.—This is the "Sterling oil-test well".

PERIOD OF RECORD.—May 1979 to current year. Continuous record since May 1979.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 5.09 ft above land-surface datum, March 28, 1998; lowest, 8.44 ft below land-surface datum, September 19, 1990.



| 2000             | JAN                       | FEB  | MAR  | APR       | MAY  | JUNE | JULY | AUG                      | SEPT | OCT  | NOV  | DEC  |
|------------------|---------------------------|------|------|-----------|------|------|------|--------------------------|------|------|------|------|
| HIGH             | 1.69                      | 1.81 | 1.93 | 1.59      | 2.53 | 4.11 | 4.87 | 5.47                     | 4.77 | 4.34 | 4.26 | 3.98 |
| MEAN             | 2.33                      | 2.14 | 2.27 | 2.04      | 3.37 | 4.69 | 5.42 | 5.72                     | 5.13 | 4.58 | 4.49 | 4.31 |
| LOW              | 2.76                      | 2.26 | 2.55 | 2.46      | 4.06 | 5.14 | 5.85 | 5.94                     | 5.57 | 4.78 | 4.84 | 4.59 |
| SUMMARY FOR 2000 | HIGH 1.59 (Apr. 24, 2000) |      |      | MEAN 3.88 |      |      |      | LOW 5.94 (Aug. 22, 2000) |      |      |      |      |

**IDENTIFICATION NUMBER.—33M004.**

COUNTY.—Long

LOCATION.—Lat 31°38'54", long 81°36'04", Hydrologic Unit 03070106.

SITE NAME.—U.S. Geological Survey, test well 3.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

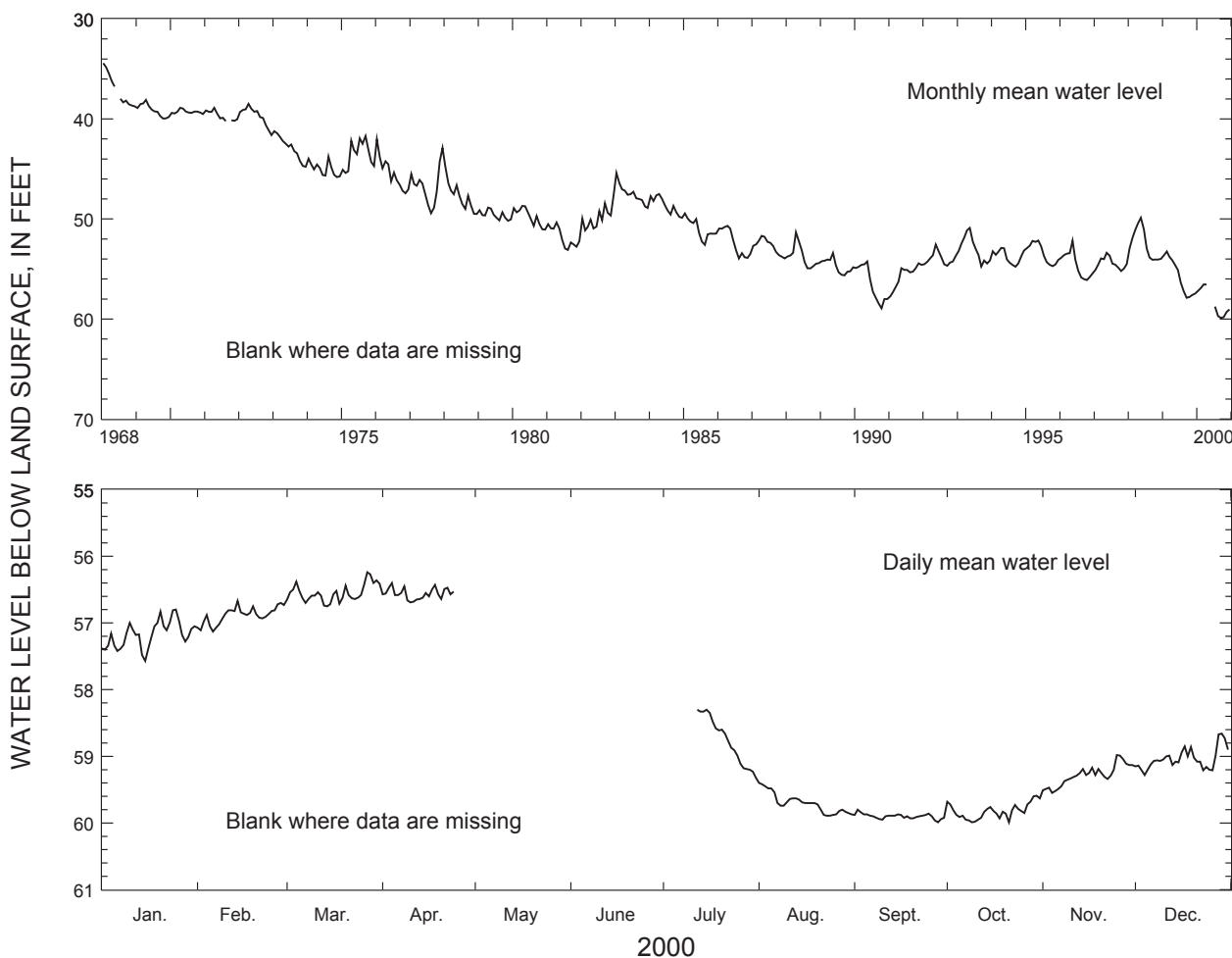
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 and 3 in., depth 872 ft, cased to 538 ft, open hole.

DATUM.—Altitude of land-surface datum is 61.2 ft.

REMARKS.—Water-level data for period, April 25 to July 11, 2000, are missing.

PERIOD OF RECORD.—January 1968 to current year. Continuous record since January 1968.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 34.04 ft below land-surface datum, January 14, 1968; lowest, 59.99 ft below land-surface datum, September 28, 2000.



| 2000             | JAN                        | FEB   | MAR   | APR   | MAY   | JUNE       | JULY  | AUG                        | SEPT  | OCT   | NOV   | DEC   |
|------------------|----------------------------|-------|-------|-------|-------|------------|-------|----------------------------|-------|-------|-------|-------|
| HIGH             | 56.80                      | 56.67 | 56.24 | ----- | ----- | -----      | ----- | 59.40                      | 59.80 | 59.59 | 58.98 | 58.66 |
| MEAN             | 57.18                      | 56.89 | 56.55 | ----- | ----- | -----      | ----- | 59.70                      | 59.90 | 59.82 | 59.28 | 59.04 |
| LOW              | 57.57                      | 57.13 | 56.75 | ----- | ----- | -----      | ----- | 59.89                      | 59.99 | 59.99 | 59.55 | 59.28 |
| SUMMARY FOR 2000 | HIGH 56.24 (Mar. 27, 2000) |       |       |       |       | MEAN ----- |       | LOW 59.99 (Sept. 28, 2000) |       |       |       |       |

**IDENTIFICATION NUMBER.—34H125.**

COUNTY.—Glynn

LOCATION.—Lat 31°09'06", long 81°29'31", Hydrologic Unit 03070203.

SITE NAME.—U.S. Geological Survey, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

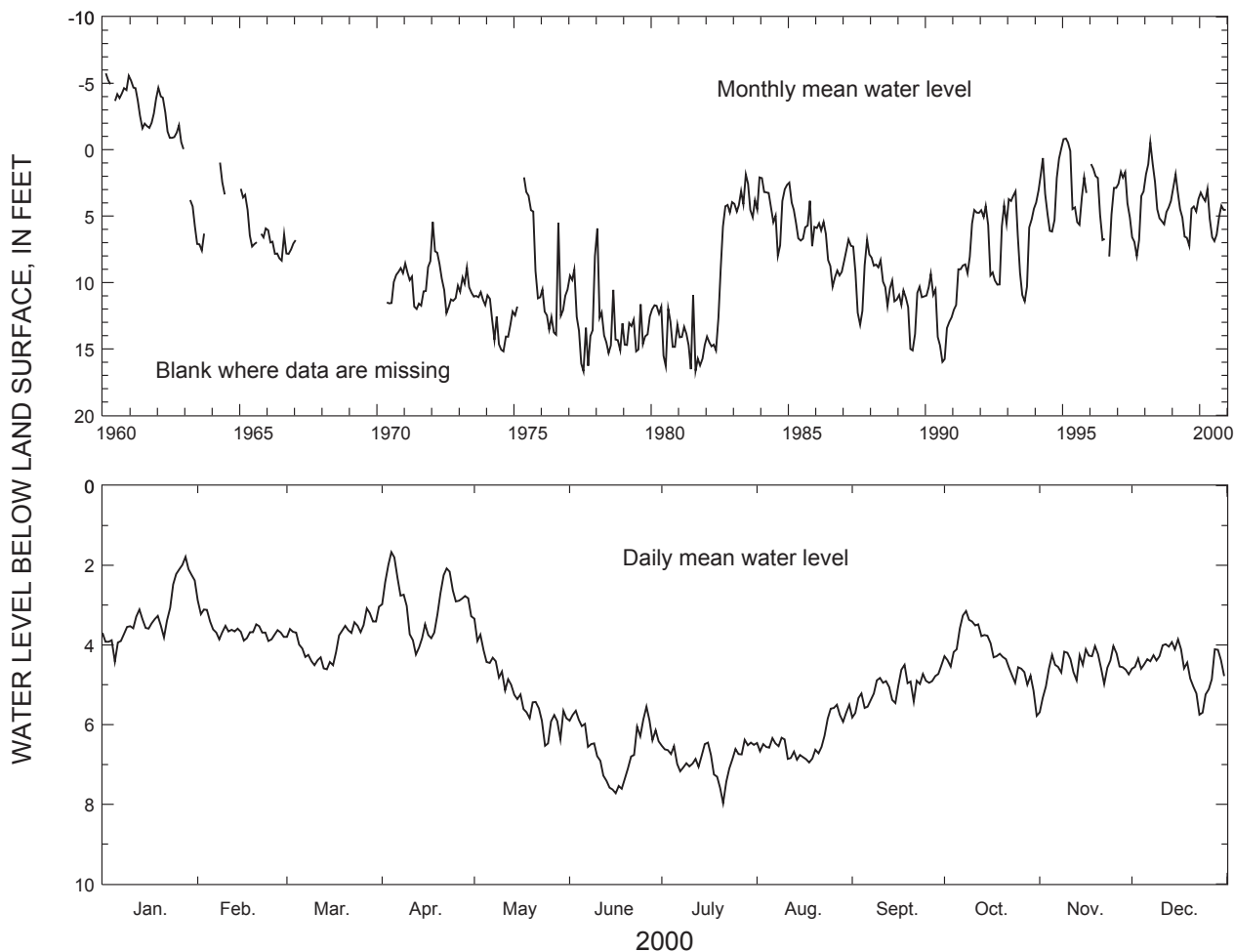
WELL CHARACTERISTICS.—Drilled observation well, diameter 8 in., depth 604 ft, cased to 535 ft, open hole.

DATUM.—Altitude of land-surface datum is 11.57 ft.

REMARKS.—Well pumped and sampled, June 6, 2000, for analysis of chloride concentration.

PERIOD OF RECORD.—February 1960 to current year. Continuous record since May 1970.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 9.50 ft above land-surface datum, December 26, 1960; lowest, 18.68 ft below land-surface datum, June 25, 1980.



| 2000             | JAN  | FEB  | MAR  | APR                 | MAY  | JUNE | JULY | AUG  | SEPT | OCT  | NOV                  | DEC  |
|------------------|------|------|------|---------------------|------|------|------|------|------|------|----------------------|------|
| HIGH             | 1.79 | 2.88 | 3.04 | 1.67                | 3.34 | 5.55 | 6.38 | 5.50 | 4.50 | 3.15 | 4.03                 | 3.86 |
| MEAN             | 3.23 | 3.60 | 3.87 | 2.96                | 5.19 | 6.59 | 6.88 | 6.39 | 5.07 | 4.22 | 4.53                 | 4.53 |
| LOW              | 4.42 | 3.90 | 4.61 | 4.24                | 6.53 | 7.72 | 7.97 | 6.95 | 5.82 | 5.78 | 5.69                 | 5.75 |
| SUMMARY FOR 2000 |      |      | HIGH | 1.67 (Apr. 4, 2000) |      |      | MEAN | 4.76 |      | LOW  | 7.97 (July 21, 2000) |      |

**IDENTIFICATION NUMBER.—34H334.**

COUNTY.—Glynn

LOCATION.—Lat 31°09'38", long 81°28'53", Hydrologic Unit 03070203.

SITE NAME.—U.S. Geological Survey, test well 4.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan; lower water-bearing zone.

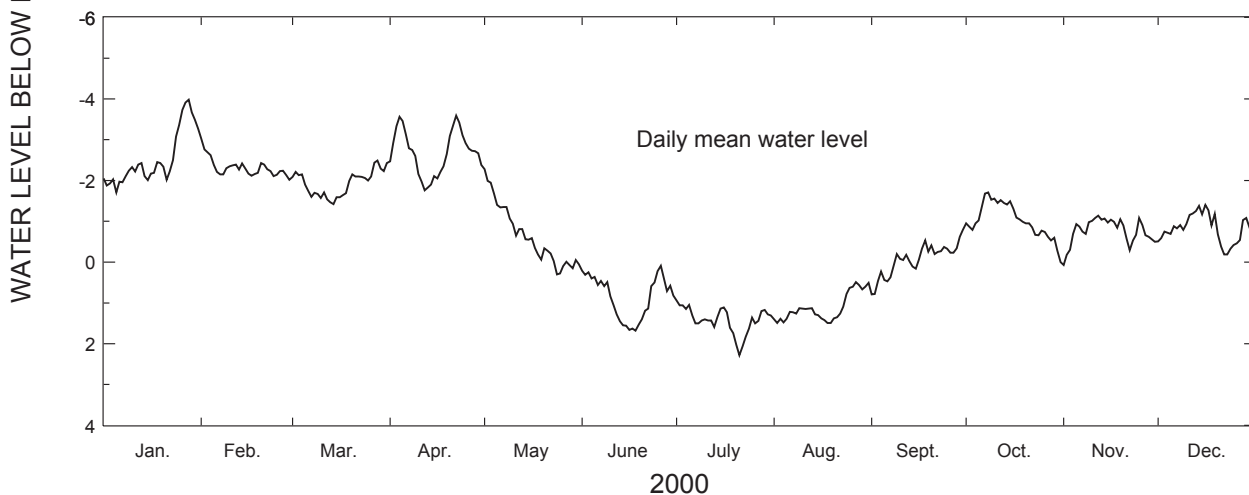
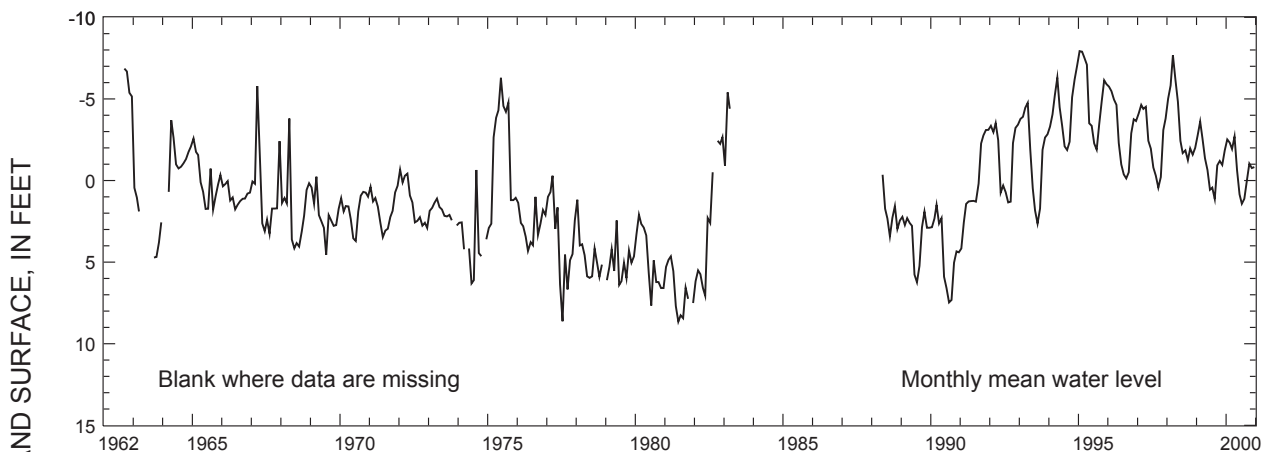
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 980 ft, cased to 800 ft, open hole.

DATUM.—Altitude of land-surface datum is 8 ft.

REMARKS.—Well pumped and sampled, June 6, 2000, for analysis of chloride concentration.

PERIOD OF RECORD.—September 1962 to current year. Continuous record since May 1988.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 9.32 ft above land-surface datum, March 27, 1998;  
lowest, 8.65 ft below land-surface datum, June 18, 1981.



| 2000 | JAN   | FEB   | MAR   | APR   | MAY   | JUNE | JULY | AUG  | SEPT  | OCT   | NOV   | DEC   |
|------|-------|-------|-------|-------|-------|------|------|------|-------|-------|-------|-------|
| HIGH | -3.98 | -3.03 | -2.49 | -3.59 | -2.28 | 0.09 | 0.94 | 0.49 | -0.79 | -1.71 | -1.14 | -1.40 |
| MEAN | -2.52 | -2.32 | -1.93 | -2.69 | -0.64 | 0.85 | 1.42 | 1.12 | -0.06 | -1.03 | -0.76 | -0.82 |
| LOW  | -1.71 | -2.02 | -1.42 | -1.76 | 0.30  | 1.68 | 2.28 | 1.49 | 0.79  | 0.00  | 0.07  | -0.19 |

SUMMARY FOR 2000 HIGH -3.98 (Jan. 28, 2000) MEAN -0.77 LOW 2.28 (July 21, 2000)

[Negative value indicates water level above land surface]



**IDENTIFICATION NUMBER.—34H344.**

COUNTY.—Glynn

LOCATION.—Lat 31°09'38", long 81°28'53", Hydrologic Unit 03070203.

SITE NAME.—U.S. Geological Survey, test well 7.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan; upper water-bearing zone.

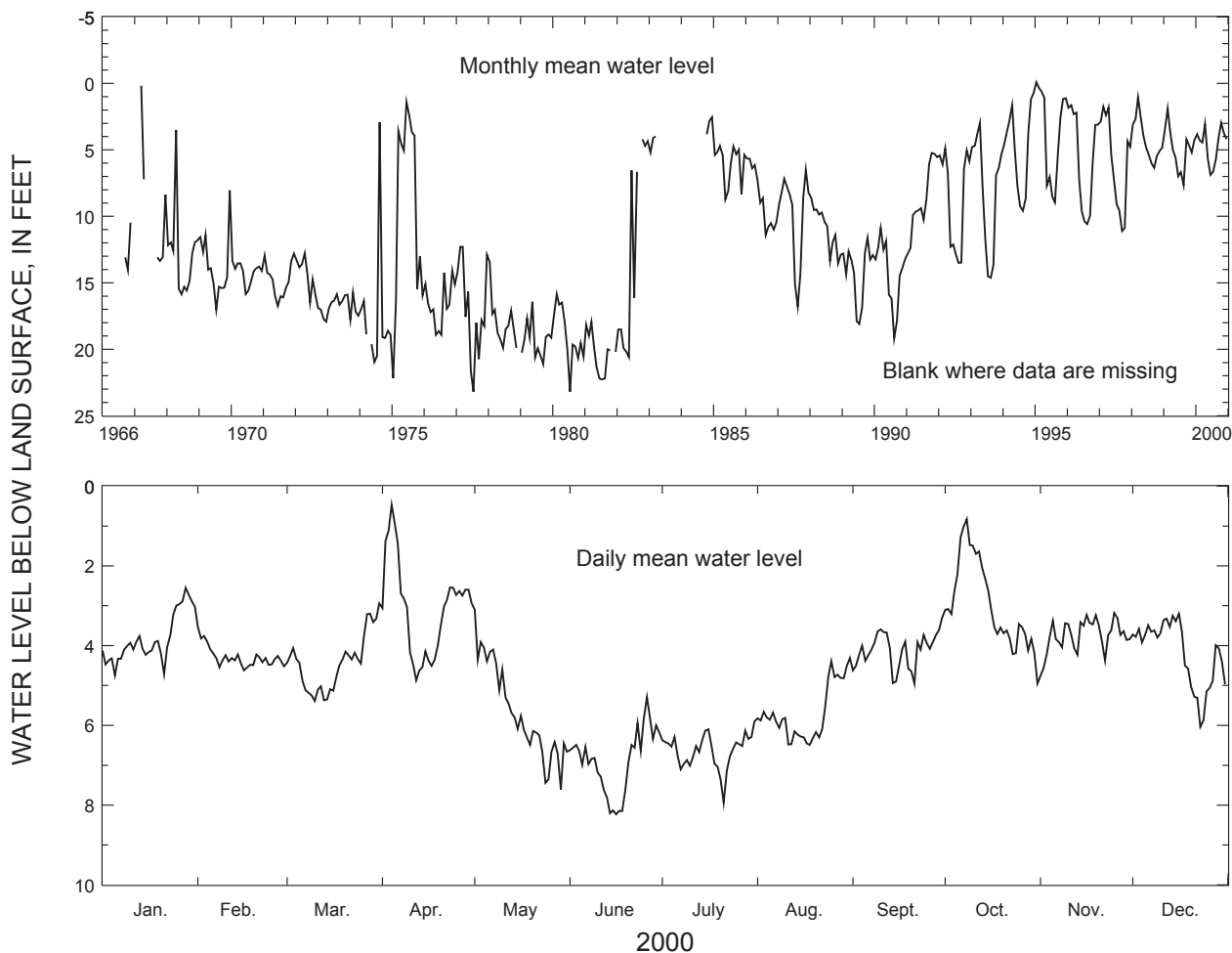
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 770 ft, cased to 505 ft, open hole.

DATUM.—Altitude of land-surface datum is 8 ft.

REMARKS.—Well pumped and sampled, June 6, 2000, for analysis of chloride concentration.

PERIOD OF RECORD.—December 1964 to current year. Continuous record since October 1984.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 3.58 ft above land-surface datum, September 15, 1999;  
lowest, 23.20 ft below land-surface datum, July 22, 1980.



| 2000             | JAN  | FEB  | MAR  | APR                 | MAY  | JUNE | JULY | AUG  | SEPT | OCT  | NOV                  | DEC  |
|------------------|------|------|------|---------------------|------|------|------|------|------|------|----------------------|------|
| HIGH             | 2.55 | 3.53 | 2.94 | 0.47                | 3.10 | 5.29 | 5.90 | 4.31 | 3.31 | 0.83 | 3.18                 | 3.20 |
| MEAN             | 3.83 | 4.29 | 4.44 | 3.06                | 5.67 | 6.89 | 6.64 | 5.70 | 4.12 | 2.96 | 3.75                 | 4.19 |
| LOW              | 4.75 | 4.62 | 5.39 | 4.87                | 7.61 | 8.23 | 7.94 | 6.49 | 4.95 | 4.95 | 4.76                 | 6.04 |
| SUMMARY FOR 2000 |      |      | HIGH | 0.47 (Apr. 4, 2000) |      |      | MEAN | 4.63 |      | LOW  | 8.23 (June 16, 2000) |      |

**IDENTIFICATION NUMBER.—34H354.**

COUNTY.—Glynn

LOCATION.—Lat 31°09'24", long 81°29'52", Hydrologic Unit 03070203.

SITE NAME.—U.S. Geological Survey, test well 8.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan; lower water-bearing zone.

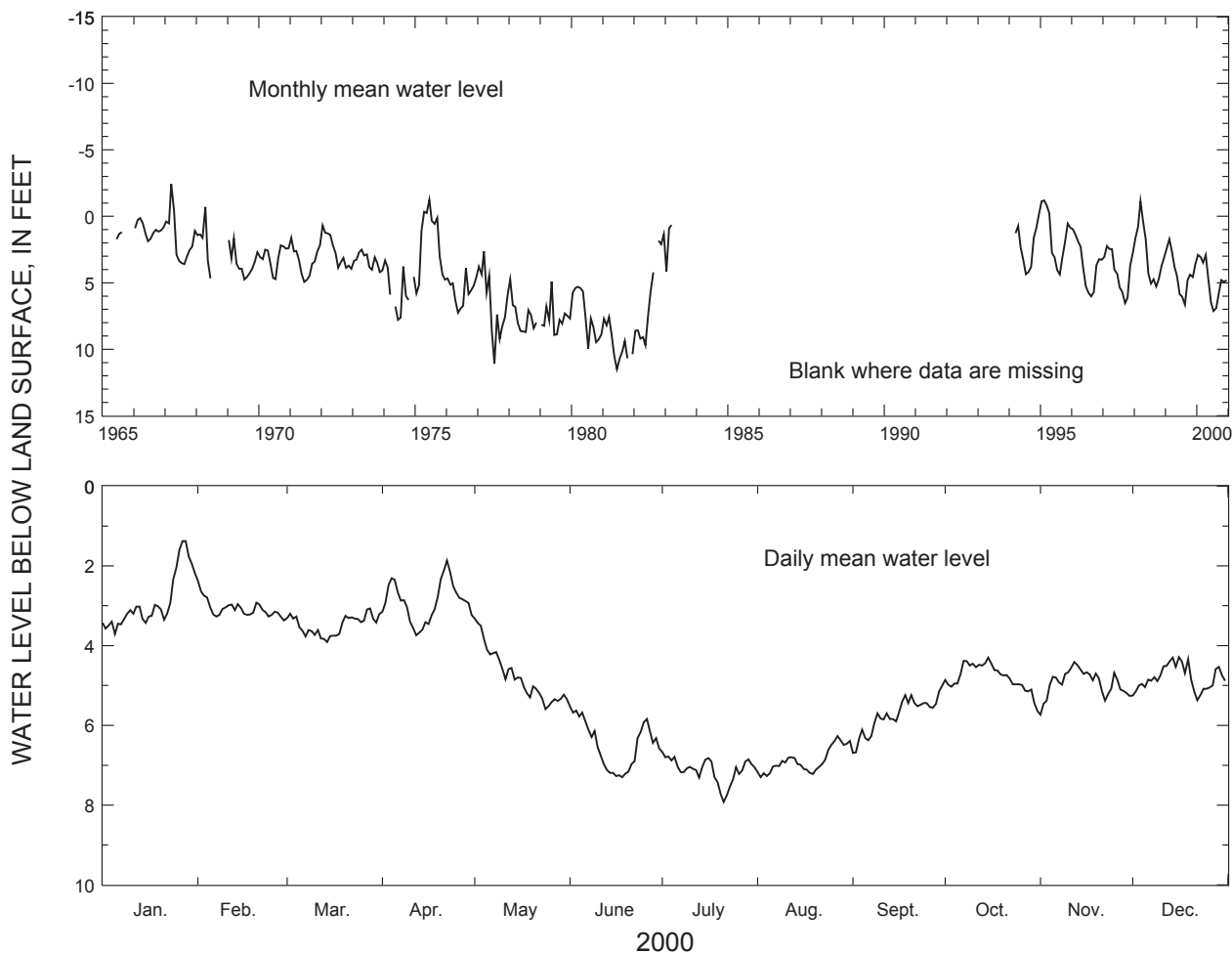
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 1,003 ft, cased to 804 ft, open hole.

DATUM.—Altitude of land-surface datum is 13.76 ft.

REMARKS.—Well pumped and sampled, June 6, 2000, for analysis of chloride concentration.

PERIOD OF RECORD.—June 1965 to current year. Continuous record since March 1994.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 4.00 ft above land-surface datum, March 20, 1967;  
lowest, 11.50 ft below land-surface datum, June 19, 1981.



| 2000             | JAN                          | FEB  | MAR  | APR  | MAY  | JUNE      | JULY | AUG                      | SEPT | OCT  | NOV  | DEC  |
|------------------|------------------------------|------|------|------|------|-----------|------|--------------------------|------|------|------|------|
| HIGH             | 1.38                         | 2.37 | 3.07 | 1.87 | 3.32 | 5.53      | 6.67 | 6.27                     | 5.01 | 4.30 | 4.41 | 4.29 |
| MEAN             | 2.90                         | 3.07 | 3.48 | 2.90 | 4.76 | 6.48      | 7.12 | 6.89                     | 5.75 | 4.79 | 4.93 | 4.81 |
| LOW              | 3.71                         | 3.37 | 3.91 | 3.74 | 5.59 | 7.30      | 7.92 | 7.30                     | 6.69 | 5.64 | 5.73 | 5.37 |
| SUMMARY FOR 2000 | HIGH 1.38 (Jan. 27-28, 2000) |      |      |      |      | MEAN 4.83 |      | LOW 7.92 (July 21, 2000) |      |      |      |      |

**IDENTIFICATION NUMBER.—34H355.**

COUNTY.—Glynn

LOCATION.—Lat 31°09'24", long 81°29'52", Hydrologic Unit 03070203.

SITE NAME.—U.S. Geological Survey, test well 9.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan; upper water-bearing zone.

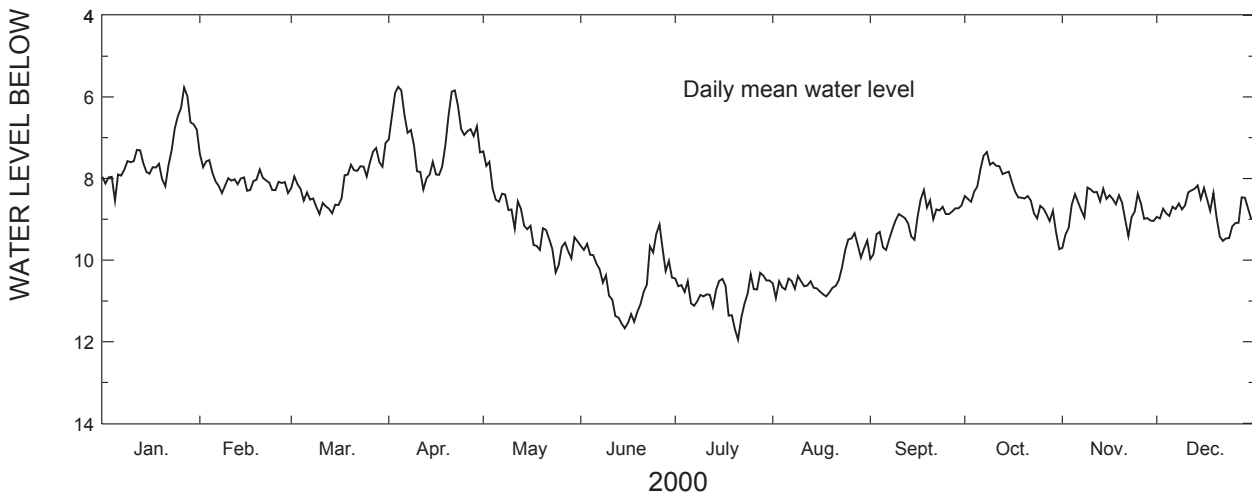
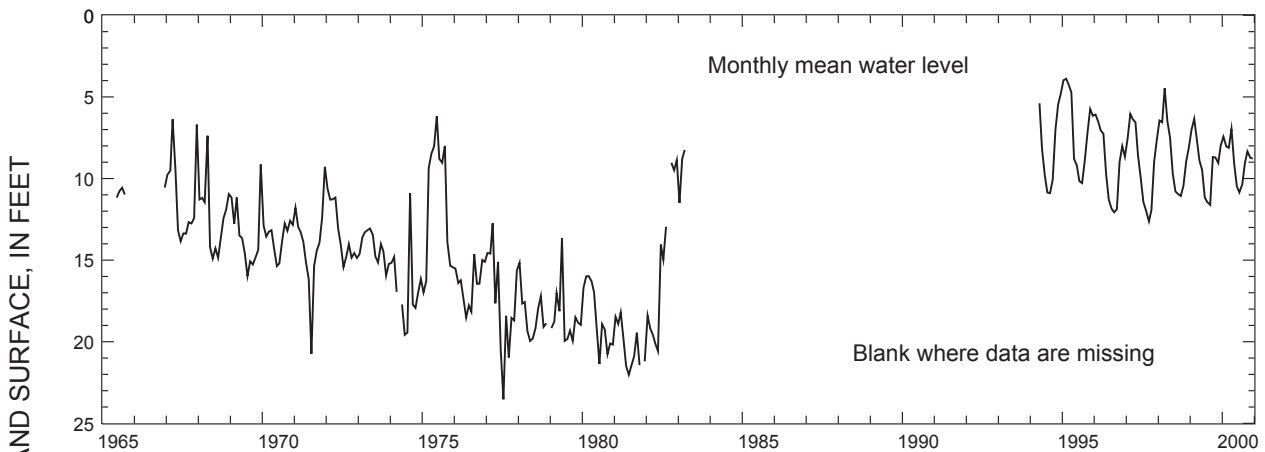
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 785 ft, cased to 523 ft, open hole.

DATUM.—Altitude of land-surface datum is 14 ft.

REMARKS.—Well pumped and sampled, June 6, 2000, for analysis of chloride concentration.

PERIOD OF RECORD.—June 1965 to current year. Continuous record since April 1994.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 0.97 ft below land-surface datum, December 27, 1967; lowest, 26.54 ft below land-surface datum, July 19, 1971.



| 2000 | JAN  | FEB  | MAR  | APR  | MAY   | JUNE  | JULY  | AUG   | SEPT | OCT  | NOV  | DEC  |
|------|------|------|------|------|-------|-------|-------|-------|------|------|------|------|
| HIGH | 5.77 | 7.40 | 7.13 | 5.75 | 7.33  | 9.13  | 10.31 | 9.34  | 8.28 | 7.35 | 8.22 | 8.17 |
| MEAN | 7.44 | 8.03 | 8.12 | 6.97 | 9.08  | 10.48 | 10.85 | 10.36 | 9.05 | 8.34 | 8.73 | 8.78 |
| LOW  | 8.54 | 8.36 | 8.87 | 8.27 | 10.30 | 11.67 | 11.95 | 10.93 | 9.97 | 9.73 | 9.70 | 9.53 |

SUMMARY FOR 2000    HIGH 5.75 (Apr. 4, 2000)    MEAN 8.86    LOW 11.95 (July 21, 2000)

**IDENTIFICATION NUMBER.—34H371.**

COUNTY.—Glynn

LOCATION.—Lat 31°08'18", long 81°30'16", Hydrologic Unit 03070203.

SITE NAME.—U.S. Geological Survey, test well 11.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan; upper water-bearing zone.

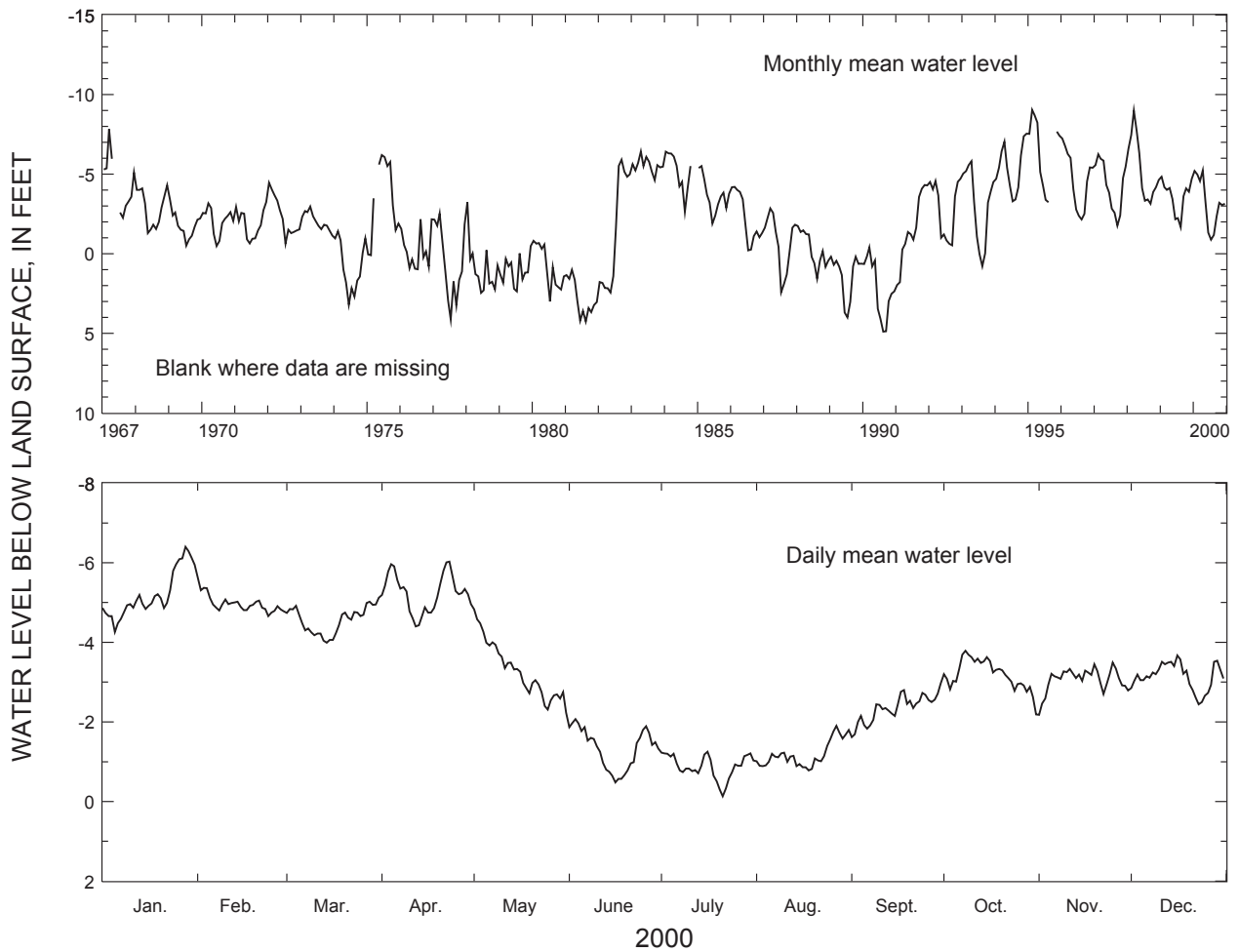
WELL CHARACTERISTICS.—Drilled observation well, diameter 3 and 2 in., depth 719 ft, cased to 512 ft, open hole.

DATUM.—Altitude of land-surface datum is 9.8 ft.

REMARKS.—Well pumped and sampled, June 5, 2000, for analysis of chloride concentration.

PERIOD OF RECORD.—January 1967 to current year. Continuous record since January 1967.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 10.26 ft above land-surface datum, March 25, 1998;  
lowest, 5.64 ft below land-surface datum, September 14, 1990.



| 2000 | JAN   | FEB   | MAR   | APR   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| HIGH | -6.40 | -5.64 | -5.12 | -6.03 | -4.83 | -2.07 | -1.25 | -1.90 | -2.97 | -3.79 | -3.49 | -3.67 |
| MEAN | -5.20 | -4.98 | -4.56 | -5.24 | -3.29 | -1.33 | -0.88 | -1.18 | -2.35 | -3.20 | -3.06 | -3.14 |
| LOW  | -4.26 | -4.66 | -3.99 | -4.40 | -2.23 | -0.48 | -0.13 | -0.78 | -1.62 | -2.19 | -2.18 | -2.44 |

SUMMARY FOR 2000 HIGH -6.40 (Jan. 28, 2000) MEAN -3.19 LOW -0.13 (July 21, 2000)

[Negative value indicates water level above land surface]

**IDENTIFICATION NUMBER.—34H391.**

COUNTY.—Glynn

LOCATION.—Lat 31°08'18", long 81°29'42", Hydrologic Unit 03070203.

SITE NAME.—U.S. Geological Survey, test well 16.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Lower Floridan; brackish-water zone.

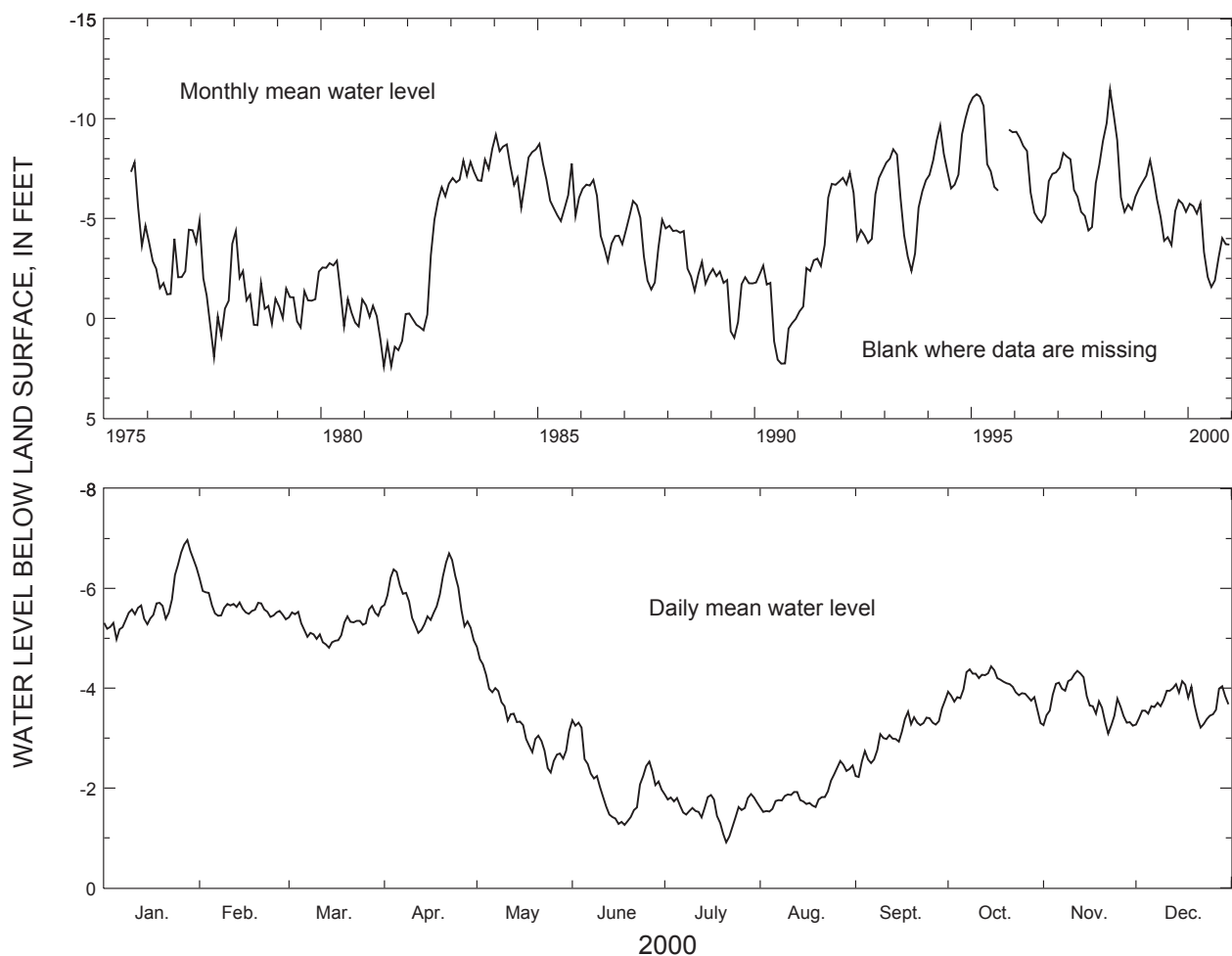
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 1,150 ft, cased to 1,070 ft, open hole.

DATUM.—Altitude of land-surface datum is 7.13 ft.

REMARKS.—Well pumped and sampled, June 5, and November 15, 2000, for analysis of chloride concentration.

PERIOD OF RECORD.—August 1975 to current year. Continuous record since August 1975.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 12.85 ft above land-surface datum, March 27, 1998; lowest, 2.96 ft below land-surface datum, July 27, 1977.



| 2000 | JAN   | FEB   | MAR   | APR   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| HIGH | -6.97 | -6.20 | -5.65 | -6.70 | -4.83 | -3.36 | -1.88 | -2.54 | -3.75 | -4.44 | -4.35 | -4.14 |
| MEAN | -5.74 | -5.62 | -5.25 | -5.76 | -3.32 | -2.07 | -1.57 | -1.90 | -3.06 | -4.02 | -3.72 | -3.70 |
| LOW  | -4.98 | -5.38 | -4.81 | -4.96 | -2.31 | -1.26 | -0.91 | -1.52 | -2.22 | -3.30 | -3.09 | -3.21 |

SUMMARY FOR 2000 HIGH -6.97 (Jan. 28, 2000) MEAN -3.80 LOW -0.91 (July 21, 2000)  
 [Negative value indicates water level above land surface]

**IDENTIFICATION NUMBER.—34H403.**

COUNTY.—Glynn

LOCATION.—Lat 31°08'22", long 81°29'42", Hydrologic Unit 03070203.

SITE NAME.—U.S. Geological Survey, test well 24.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan; lower water-bearing zone.

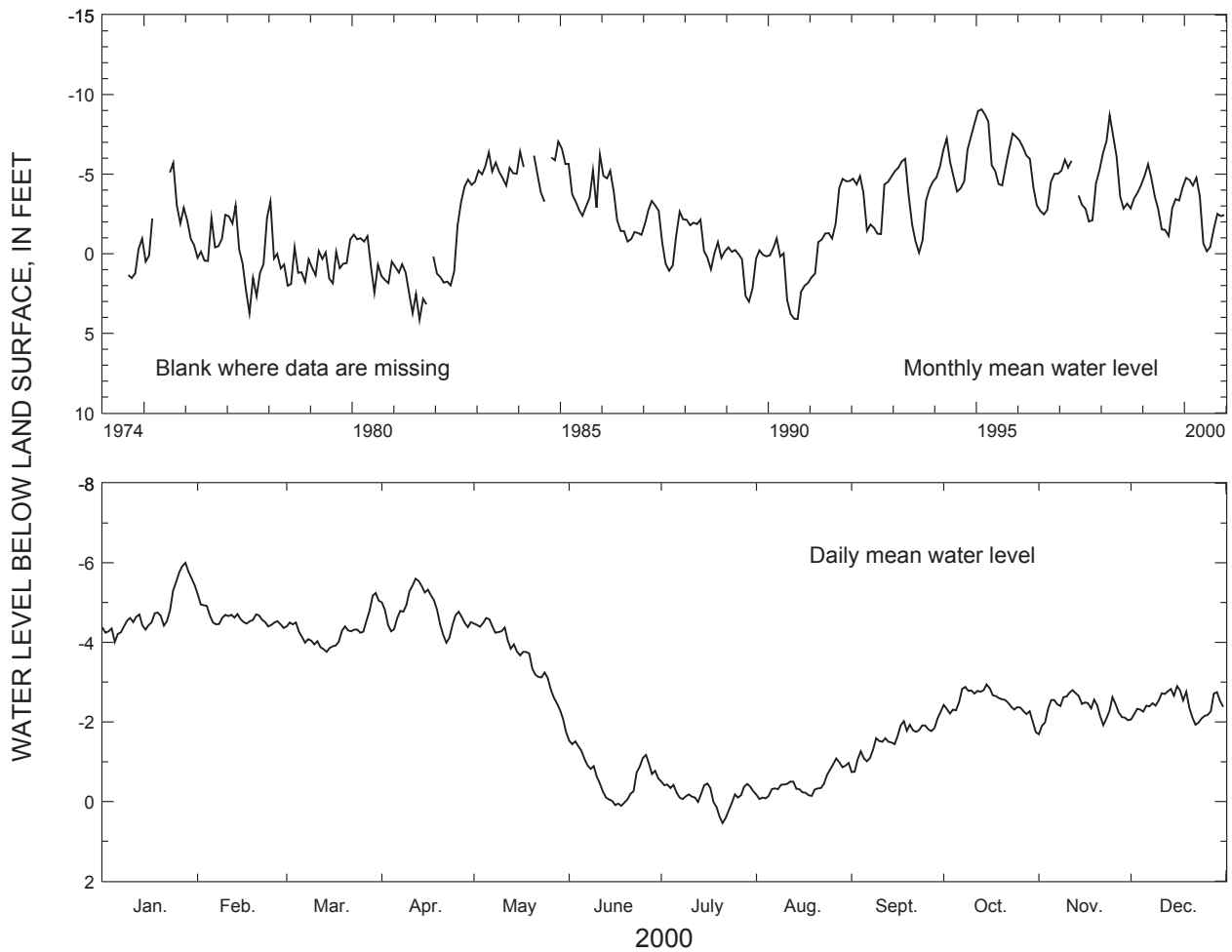
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 982 ft, cased to 788 ft, open hole.

DATUM.—Altitude of land-surface datum is 9.6 ft.

REMARKS.—Well pumped and sampled, June 5 and November 15, 2000, for analysis of chloride concentration.

PERIOD OF RECORD.—August 1974 to current year. Continuous record since August 1974.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 12.79 ft above land-surface datum, December 29, 1985; lowest, 4.76 ft below land-surface datum, September 14, 1990.



| 2000 | JAN   | FEB   | MAR   | APR   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| HIGH | -6.00 | -5.22 | -5.24 | -5.60 | -4.61 | -1.53 | -0.50 | -1.08 | -2.25 | -2.94 | -2.80 | -2.90 |
| MEAN | -4.77 | -4.62 | -4.28 | -4.78 | -3.62 | -0.65 | -0.15 | -0.44 | -1.57 | -2.50 | -2.36 | -2.43 |
| LOW  | -4.01 | -4.36 | -3.76 | -3.99 | -1.75 | 0.11  | 0.54  | -0.06 | -0.74 | -1.74 | -1.69 | -1.93 |

SUMMARY FOR 2000 HIGH -6.00 (Jan. 28, 2000) MEAN -2.68 LOW 0.54 (July 21, 2000)

[Negative value indicates water level above land surface]

**IDENTIFICATION NUMBER.—34H424.**

COUNTY.—Glynn

LOCATION.—Lat 31°10'11", long 81°29'31", Hydrologic Unit 03070206.

SITE NAME.—Hercules Inc., T well.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

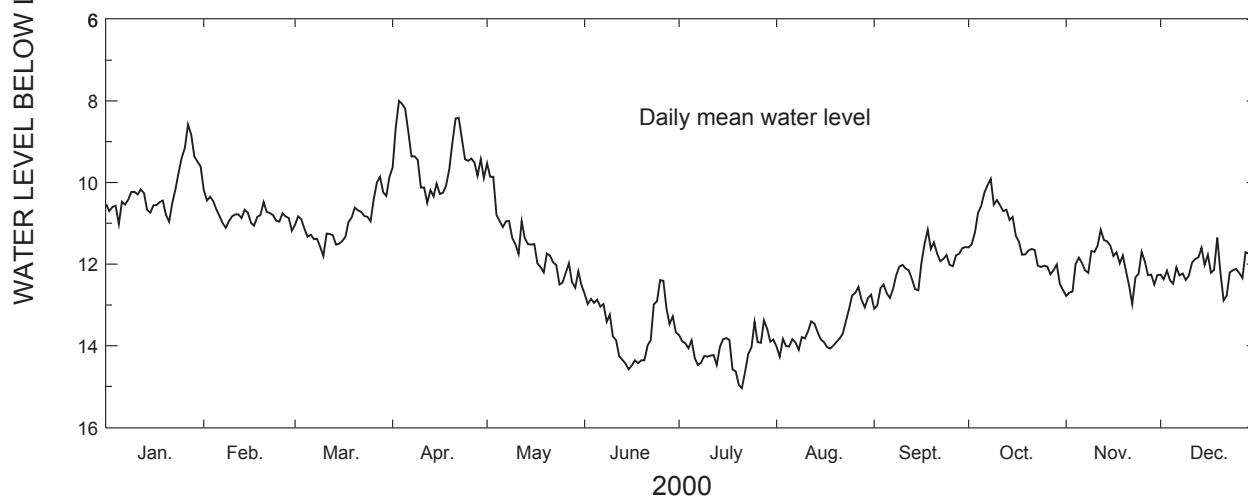
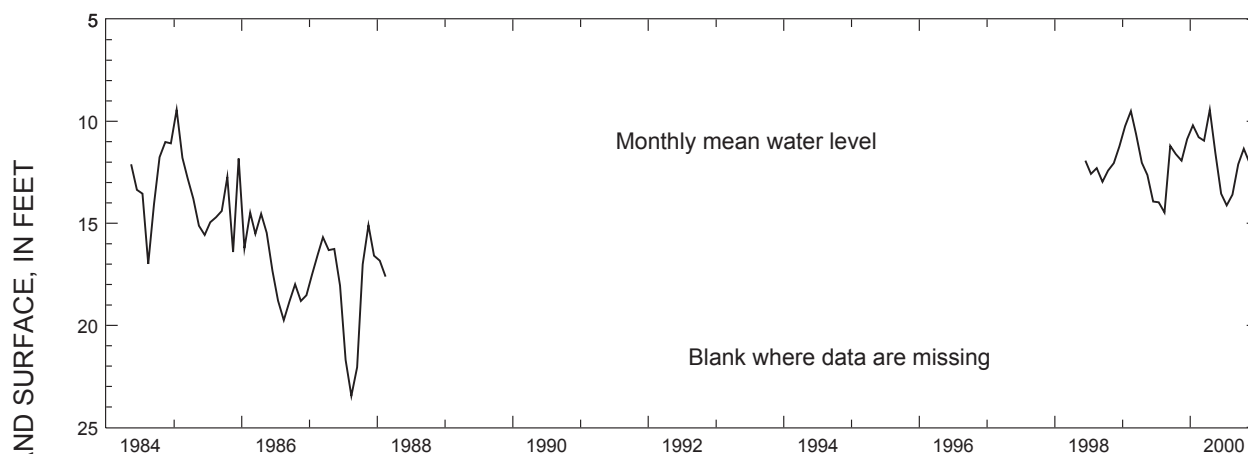
WELL CHARACTERISTICS.—Drilled observation well, diameter 36 in., depth 745 ft, cased to 550 ft, open hole.

DATUM.—Altitude of land-surface datum is 15 ft.

REMARKS.—Well abandoned by Hercules due to high chloride content.

PERIOD OF RECORD.—May 1984 to February 1988. Continuous record since June 1998.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 1.74 ft below land-surface datum, December 29, 1985  
lowest, 25.12 ft below land-surface datum, July 27, 1987.



| 2000             | JAN                      | FEB   | MAR   | APR   | MAY   | JUNE       | JULY  | AUG                       | SEPT  | OCT   | NOV   | DEC   |
|------------------|--------------------------|-------|-------|-------|-------|------------|-------|---------------------------|-------|-------|-------|-------|
| HIGH             | 8.58                     | 10.18 | 9.86  | 8.00  | 9.53  | 12.39      | 13.38 | 12.56                     | 11.16 | 9.91  | 11.16 | 11.35 |
| MEAN             | 10.20                    | 10.78 | 10.95 | 9.43  | 11.55 | 13.55      | 14.12 | 13.59                     | 12.11 | 11.34 | 12.04 | 12.14 |
| LOW              | 11.02                    | 11.18 | 11.80 | 10.50 | 12.58 | 14.58      | 15.04 | 14.27                     | 13.09 | 12.64 | 12.98 | 12.89 |
| SUMMARY FOR 2000 | HIGH 8.00 (Apr. 3, 2000) |       |       |       |       | MEAN 11.82 |       | LOW 15.04 (July 21, 2000) |       |       |       |       |

**IDENTIFICATION NUMBER.—34H434.**

COUNTY.—Glynn

LOCATION.—Lat 31°09'11", long 81°29'41", Hydrologic Unit 03070203.

SITE NAME.—Glynn County Courthouse (deep).

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan; upper water-bearing zone.

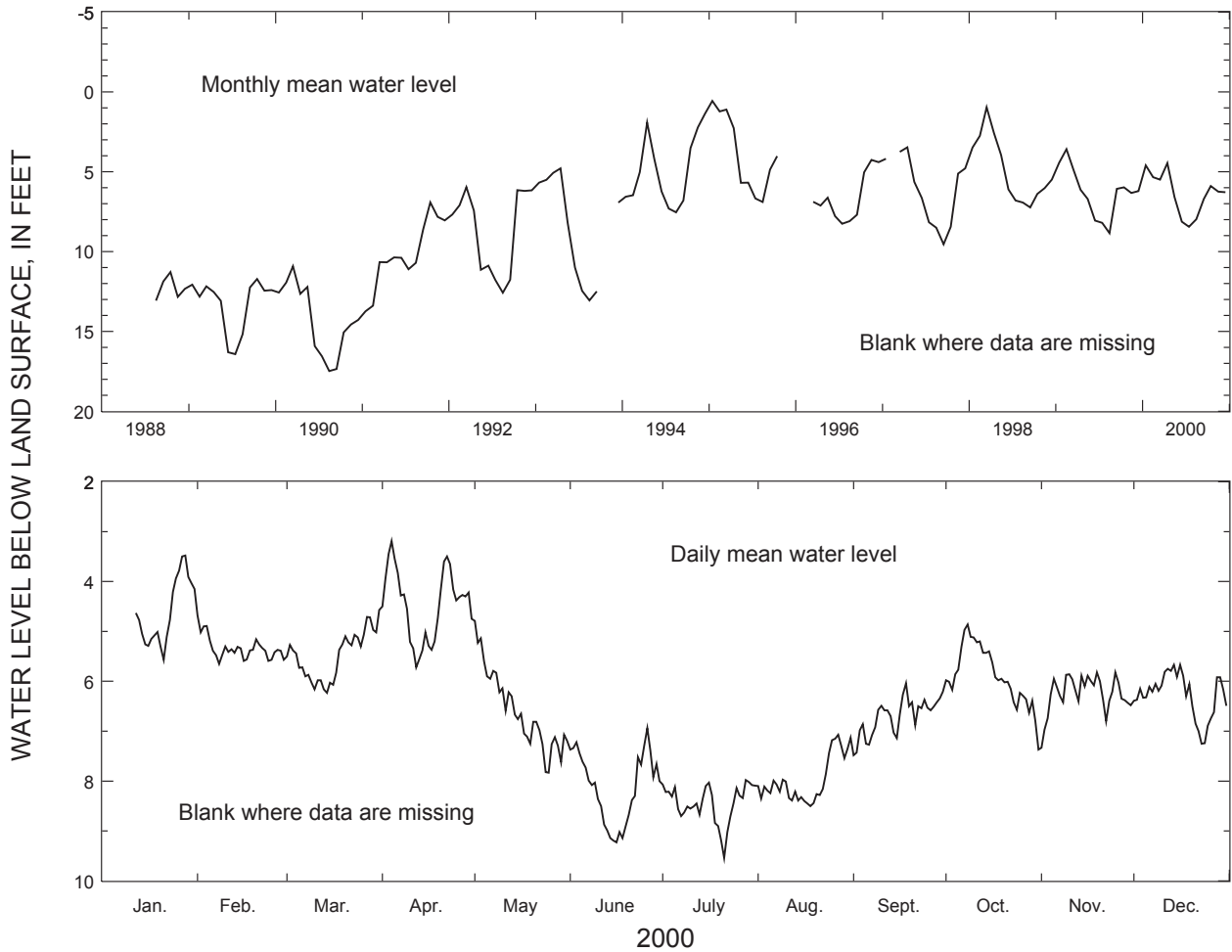
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 and 3 in., depth 670 ft, 4 in. casing to 250 and 3 in. from 250 to 530 ft, open hole.

DATUM.—Altitude of land-surface datum is 10 ft.

REMARKS.—Well pumped and sampled, June 5, 2000, for analysis of chloride concentration. Water-level data for period, January 1-11, 2000, are missing.

PERIOD OF RECORD.—August 1988 to current year. Continuous record since August 1988.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 0.91 ft above land-surface datum, March 25, 1998; lowest, 18.62 ft below land-surface datum, September 14, 1990.



| 2000             | JAN   | FEB  | MAR                      | APR  | MAY  | JUNE | JULY      | AUG  | SEPT | OCT                      | NOV  | DEC  |
|------------------|-------|------|--------------------------|------|------|------|-----------|------|------|--------------------------|------|------|
| HIGH             | ----- | 4.68 | 4.57                     | 3.19 | 4.79 | 6.94 | 7.98      | 7.07 | 6.04 | 4.86                     | 5.82 | 5.67 |
| MEAN             | ----- | 5.34 | 5.49                     | 4.46 | 6.59 | 8.13 | 8.45      | 7.98 | 6.70 | 5.89                     | 6.25 | 6.28 |
| LOW              | ----- | 5.65 | 6.23                     | 5.72 | 7.83 | 9.23 | 9.54      | 8.50 | 7.48 | 7.37                     | 7.33 | 7.25 |
| SUMMARY FOR 2000 |       |      | HIGH 3.19 (Apr. 4, 2000) |      |      |      | MEAN 6.40 |      |      | LOW 9.54 (July 21, 2000) |      |      |



**IDENTIFICATION NUMBER.—34H436.**

COUNTY.—Glynn

LOCATION.—Lat 31°09'01", long 81°28'44", Hydrologic Unit 03070203.

SITE NAME.—Georgia Geologic Survey, Coffin Park, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Lower Floridan; brackish-water zone.

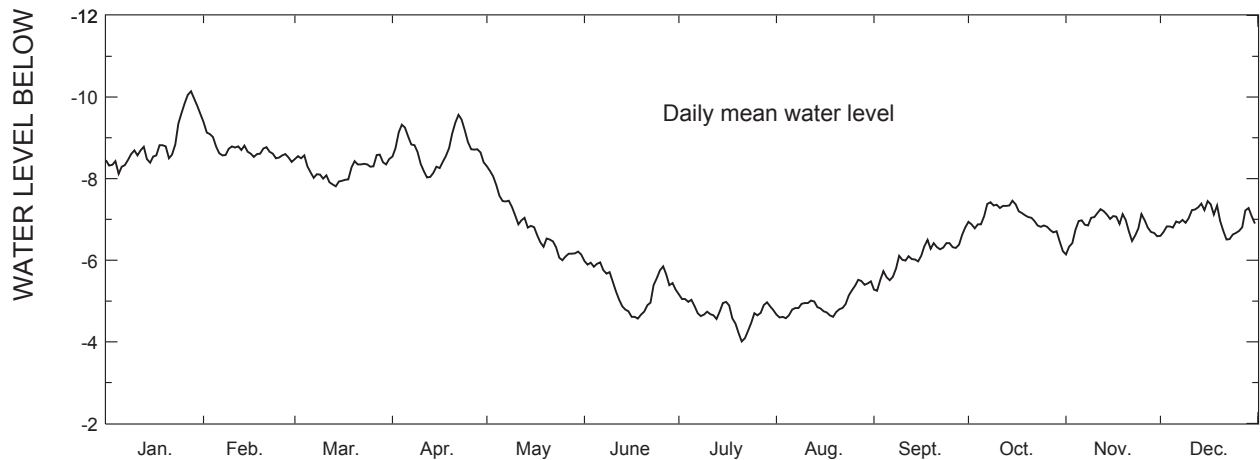
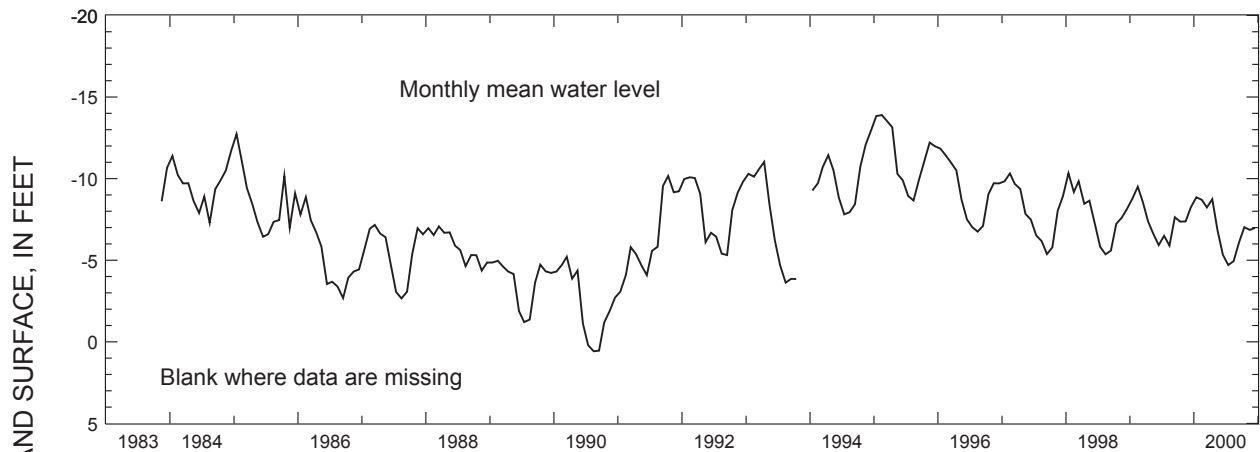
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 and 4 in., depth 1,103 ft, 6 in. casing to 486 and 4 in. from 486 to 1000 ft, open hole.

DATUM.—Altitude of land-surface datum is 7 ft.

REMARKS.—Well pumped and sampled, June 5, 2000, for analysis of chloride concentration.

PERIOD OF RECORD.—November 1983 to current year. Continuous record since November 1983.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 18.79 ft above land-surface datum, October 13, 1985; lowest, 1.10 ft below land-surface datum, August 12-13 and 20-21, 1990, but may have been lower during period of missing record.



2000

| 2000 | JAN    | FEB   | MAR   | APR   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| HIGH | -10.14 | -9.39 | -8.59 | -9.56 | -8.30 | -5.98 | -5.16 | -5.52 | -6.80 | -7.46 | -7.25 | -7.45 |
| MEAN | -8.86  | -8.71 | -8.24 | -8.74 | -6.85 | -5.34 | -4.71 | -4.94 | -6.08 | -7.02 | -6.86 | -6.98 |
| LOW  | -8.12  | -8.41 | -7.81 | -8.03 | -6.00 | -4.57 | -4.01 | -4.58 | -5.25 | -6.22 | -6.14 | -6.51 |

SUMMARY FOR 2000 HIGH -10.14 (Jan. 28, 2000) MEAN -6.94 LOW -4.01 (July 21, 2000)

[Negative value indicates water level above land surface]

**IDENTIFICATION NUMBER.—34H437.**

COUNTY.—Glynn

LOCATION.—Lat 31°09'01", long 81°28'44", Hydrologic Unit 03070203.

SITE NAME.—Georgia Geologic Survey, Coffin Park, test well 2.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Brunswick.

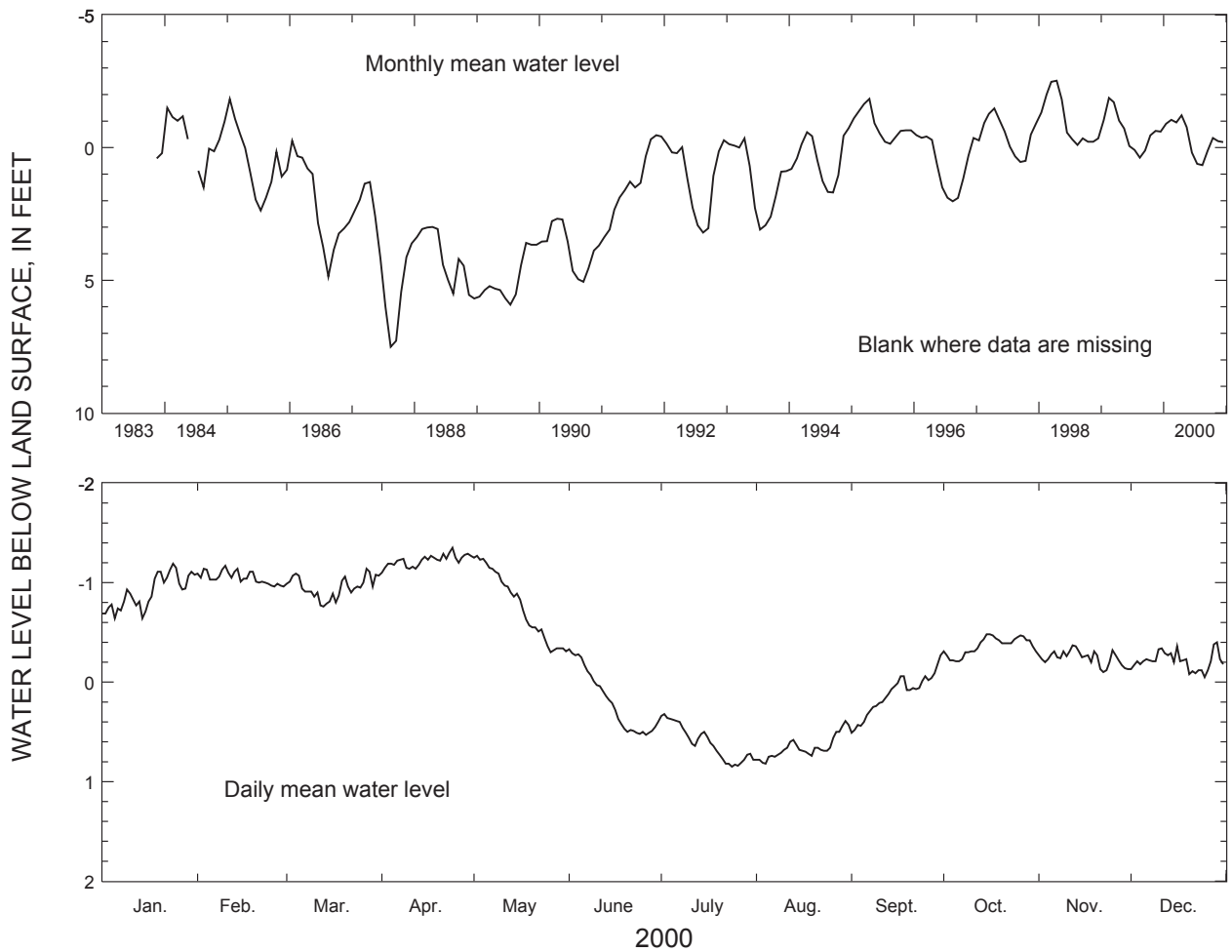
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 328 ft, cased to 315 ft, screen from 315 to 328 ft.

DATUM.—Altitude of land-surface datum is 7 ft.

REMARKS.—None.

PERIOD OF RECORD.—November 1983 to current year. Continuous record since November 1983.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 3.01 ft above land-surface datum, March 28, 1998; lowest, 7.80 ft below land-surface datum, August 30, 1987.



| 2000 | JAN   | FEB   | MAR   | APR   | MAY   | JUNE  | JULY | AUG  | SEPT  | OCT   | NOV   | DEC   |
|------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|
| HIGH | -1.19 | -1.17 | -1.14 | -1.35 | -1.27 | -0.33 | 0.32 | 0.39 | -0.27 | -0.48 | -0.37 | -0.40 |
| MEAN | -0.90 | -1.05 | -0.95 | -1.22 | -0.77 | 0.19  | 0.61 | 0.66 | 0.12  | -0.36 | -0.24 | -0.21 |
| LOW  | -0.64 | -0.96 | -0.76 | -1.10 | -0.30 | 0.53  | 0.85 | 0.82 | 0.51  | -0.21 | -0.10 | -0.05 |

SUMMARY FOR 2000 HIGH -1.35 (Apr. 24, 2000) MEAN -0.34 LOW 0.85 (July 24, 2000)

[Negative value indicates water level above land surface]

**IDENTIFICATION NUMBER.—34H438.**

COUNTY.—Glynn

LOCATION.—Lat 31°09'01", long 81°28'44", Hydrologic Unit 03070203.

SITE NAME.—Georgia Geologic Survey, Coffin Park, test well 3.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Surficial (sand of Miocene and post-Miocene age).

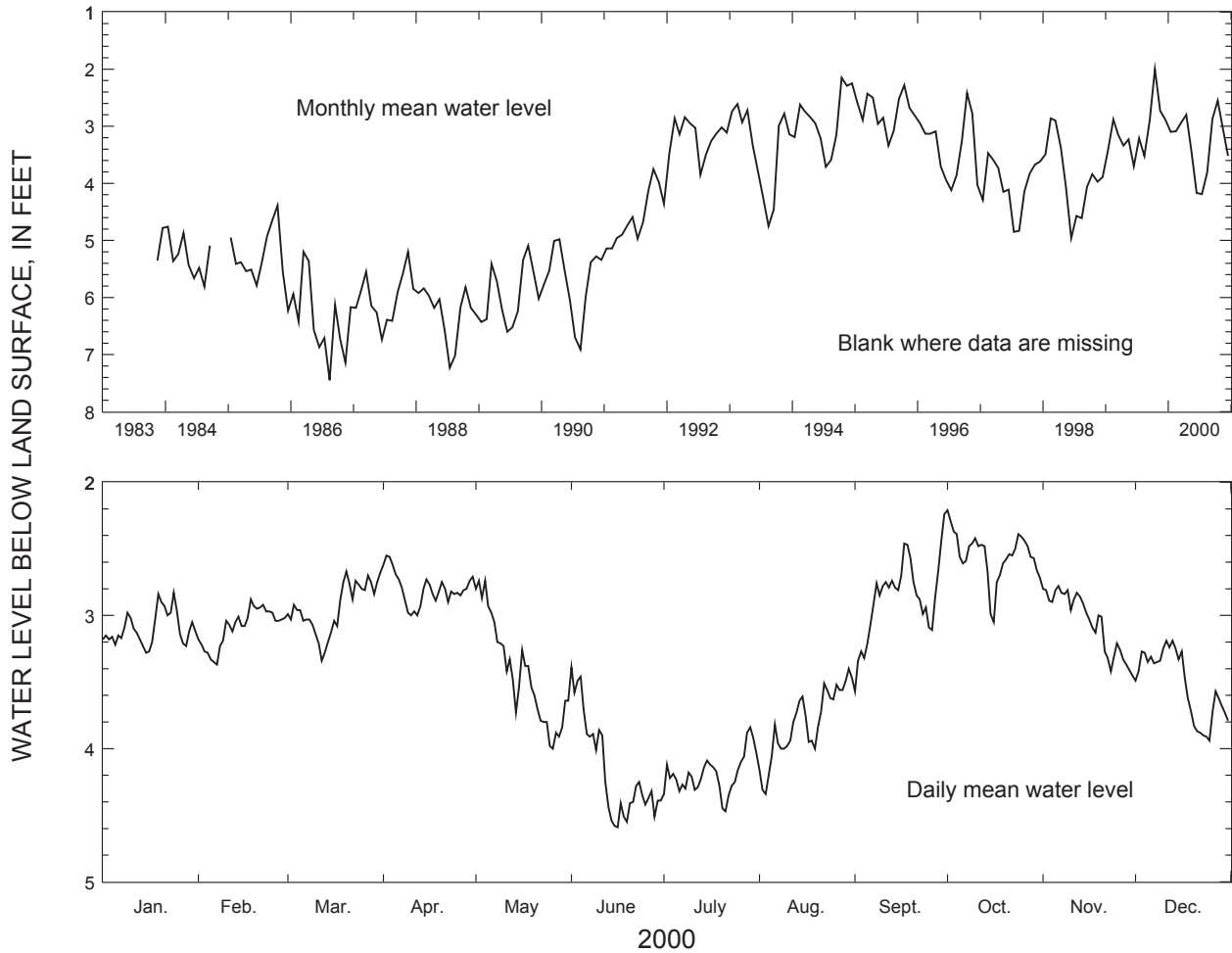
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 202 ft, cased to 192 ft, screen from 192 to 202 ft.

DATUM.—Altitude of land-surface datum is 7 ft.

REMARKS.—Well pumped and sampled, June 5, 2000, for analysis of chloride concentration.

PERIOD OF RECORD.—November 1983 to current year. Continuous record November 1983 to September 1984, and since January 1985.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 1.13 ft below land-surface datum, October 12, 1999; lowest, 8.13 ft below land-surface datum, July 12, 1990.



| 2000             | JAN  | FEB  | MAR  | APR                 | MAY  | JUNE | JULY | AUG  | SEPT | OCT  | NOV                  | DEC  |
|------------------|------|------|------|---------------------|------|------|------|------|------|------|----------------------|------|
| HIGH             | 2.83 | 2.88 | 2.67 | 2.55                | 2.74 | 3.39 | 3.84 | 3.40 | 2.24 | 2.21 | 2.78                 | 3.19 |
| MEAN             | 3.10 | 3.09 | 2.94 | 2.80                | 3.43 | 4.17 | 4.19 | 3.81 | 2.87 | 2.55 | 3.05                 | 3.52 |
| LOW              | 3.28 | 3.37 | 3.34 | 3.00                | 4.00 | 4.59 | 4.47 | 4.34 | 3.57 | 3.05 | 3.45                 | 3.94 |
| SUMMARY FOR 2000 |      |      | HIGH | 2.21 (Oct. 1, 2000) |      |      | MEAN | 3.29 |      | LOW  | 4.59 (June 16, 2000) |      |

**IDENTIFICATION NUMBER.—34H447.**

COUNTY.—Glynn

LOCATION.—Lat 31°09'11", long 81°29'41", Hydrologic Unit 03070203.

SITE NAME.—Glynn County Courthouse, shallow.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Surficial (sand of Miocene or post-Miocene age).

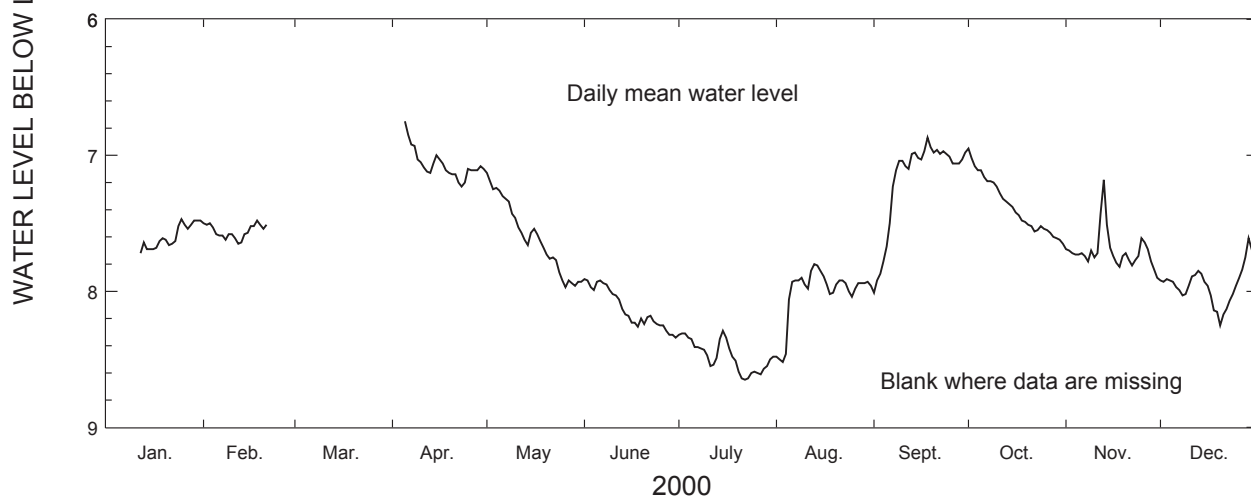
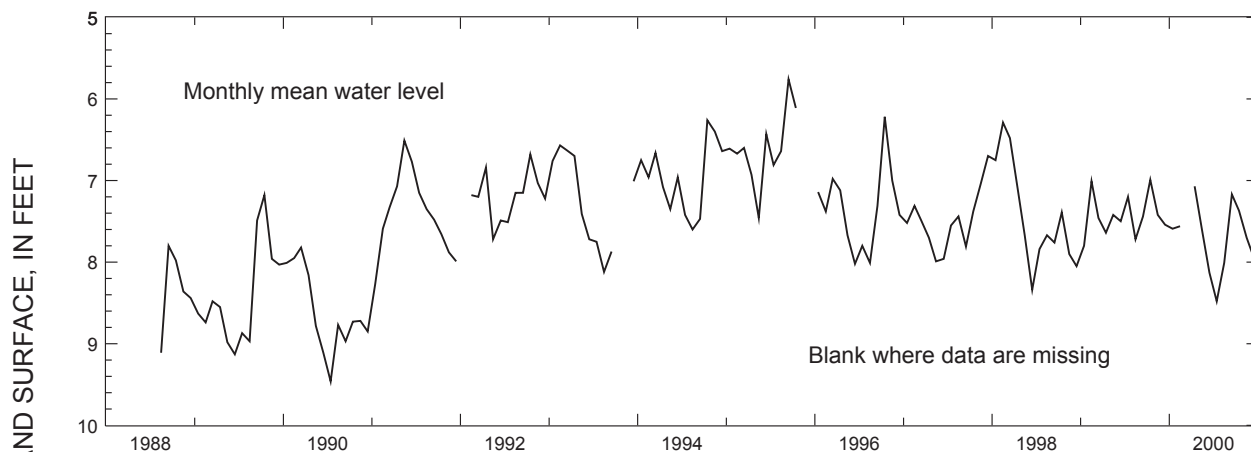
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 180 ft, cased to 130 ft, open hole.

DATUM.—Altitude of land-surface datum is 10 ft.

REMARKS.—Water-level data for periods, January 1-11 and February 22 to April 4, 2000, are missing.

PERIOD OF RECORD.—August 1988 to current year. Continuous record since August 1988.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 4.92 ft below land-surface datum, October 8, 1996;  
lowest, 9.63 ft below land-surface datum, July 21, 1990.



| 2000             | JAN   | FEB   | MAR   | APR                 | MAY  | JUNE | JULY | AUG  | SEPT | OCT   | NOV  | DEC  |     |  |                      |  |
|------------------|-------|-------|-------|---------------------|------|------|------|------|------|-------|------|------|-----|--|----------------------|--|
| HIGH             | ----- | ----- | ----- | 6.75                | 7.13 | 7.91 | 8.29 | 7.80 | 6.87 | 6.95  | 7.18 | 7.61 |     |  |                      |  |
| MEAN             | ----- | ----- | ----- | 7.07                | 7.60 | 8.13 | 8.48 | 8.01 | 7.17 | 7.37  | 7.70 | 7.95 |     |  |                      |  |
| LOW              | ----- | ----- | ----- | 7.23                | 7.97 | 8.34 | 8.65 | 8.52 | 8.01 | 7.65  | 7.90 | 8.25 |     |  |                      |  |
| SUMMARY FOR 2000 | HIGH  |       |       | 6.75 (Apr. 5, 2000) |      |      | MEAN |      |      | ----- |      |      | LOW |  | 8.65 (July 22, 2000) |  |

**IDENTIFICATION NUMBER.—34N089.**

COUNTY.—Liberty

LOCATION.—Lat 31°52'14", long 81°23'53", Hydrologic Unit 03060204.

SITE NAME.—U.S. Geological Survey, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

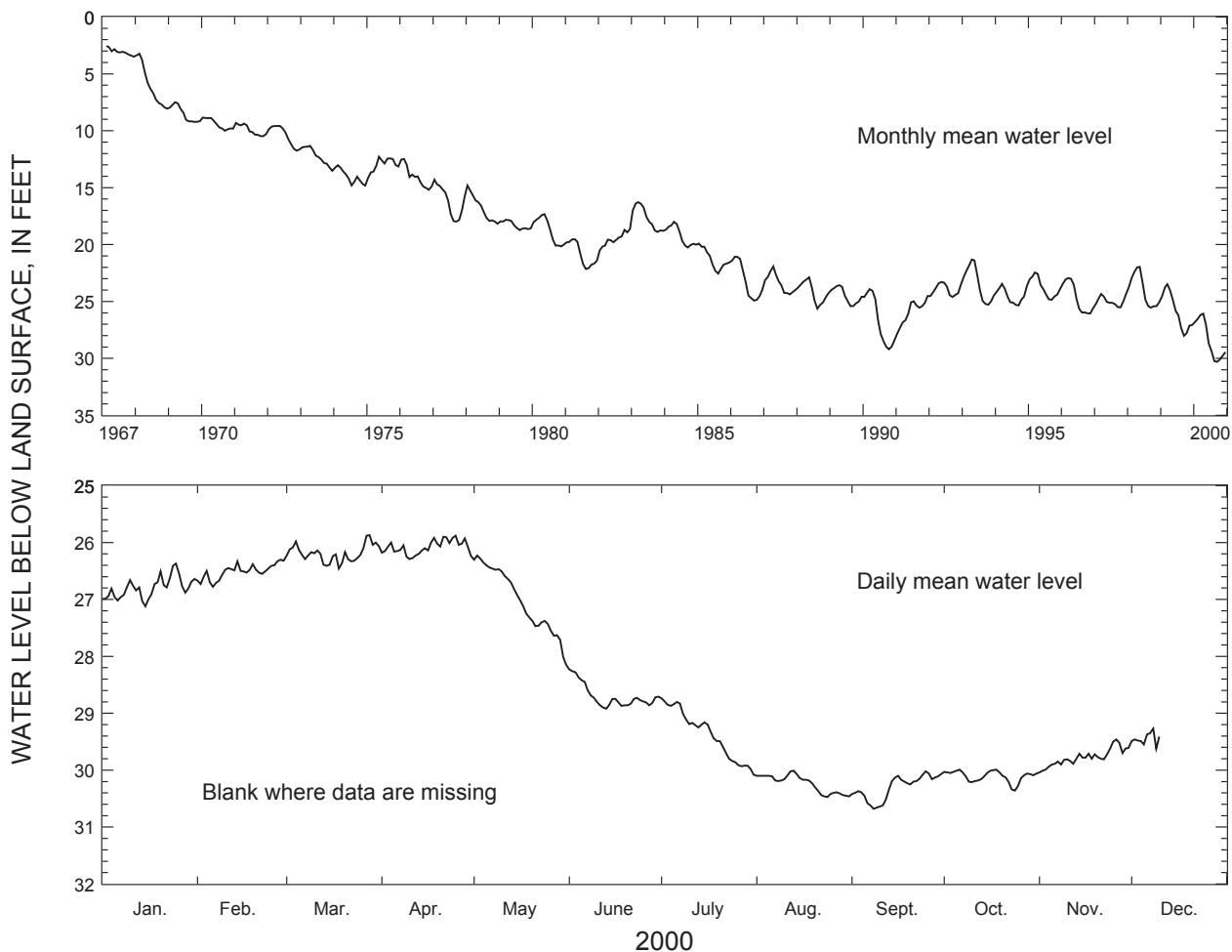
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 789 ft, cased to 410 ft, open hole.

DATUM.—Altitude of land-surface datum is 17 ft.

REMARKS.—Water-level data for period, December 11-31, 2000, are missing.

PERIOD OF RECORD.—February 1967 to current year. Continuous record since February 1967.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 2.34 ft below land-surface datum, March 6, 1967; lowest, 30.68 ft below land-surface datum, September 8, 2000.



| 2000             | JAN   | FEB   | MAR   | APR                   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV                   | DEC   |
|------------------|-------|-------|-------|-----------------------|-------|-------|-------|-------|-------|-------|-----------------------|-------|
| HIGH             | 26.37 | 26.30 | 25.87 | 25.88                 | 26.23 | 28.23 | 28.74 | 30.01 | 30.02 | 29.99 | 29.46                 | ----- |
| MEAN             | 26.80 | 26.51 | 26.19 | 26.08                 | 27.02 | 28.70 | 29.37 | 30.24 | 30.30 | 30.11 | 29.78                 | ----- |
| LOW              | 27.12 | 26.78 | 26.46 | 26.29                 | 28.15 | 28.92 | 30.08 | 30.47 | 30.68 | 30.36 | 30.04                 | ----- |
| SUMMARY FOR 2000 |       |       | HIGH  | 25.87 (Mar. 28, 2000) |       |       | MEAN  | 28.32 |       | LOW   | 30.68 (Sept. 8, 2000) |       |

**IDENTIFICATION NUMBER.—35M013.**

COUNTY.—McIntosh

LOCATION.—Lat 31°38'23", long 81°15'42", Hydrologic Unit 03060204.

SITE NAME.—U.S. Fish and Wildlife Service.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

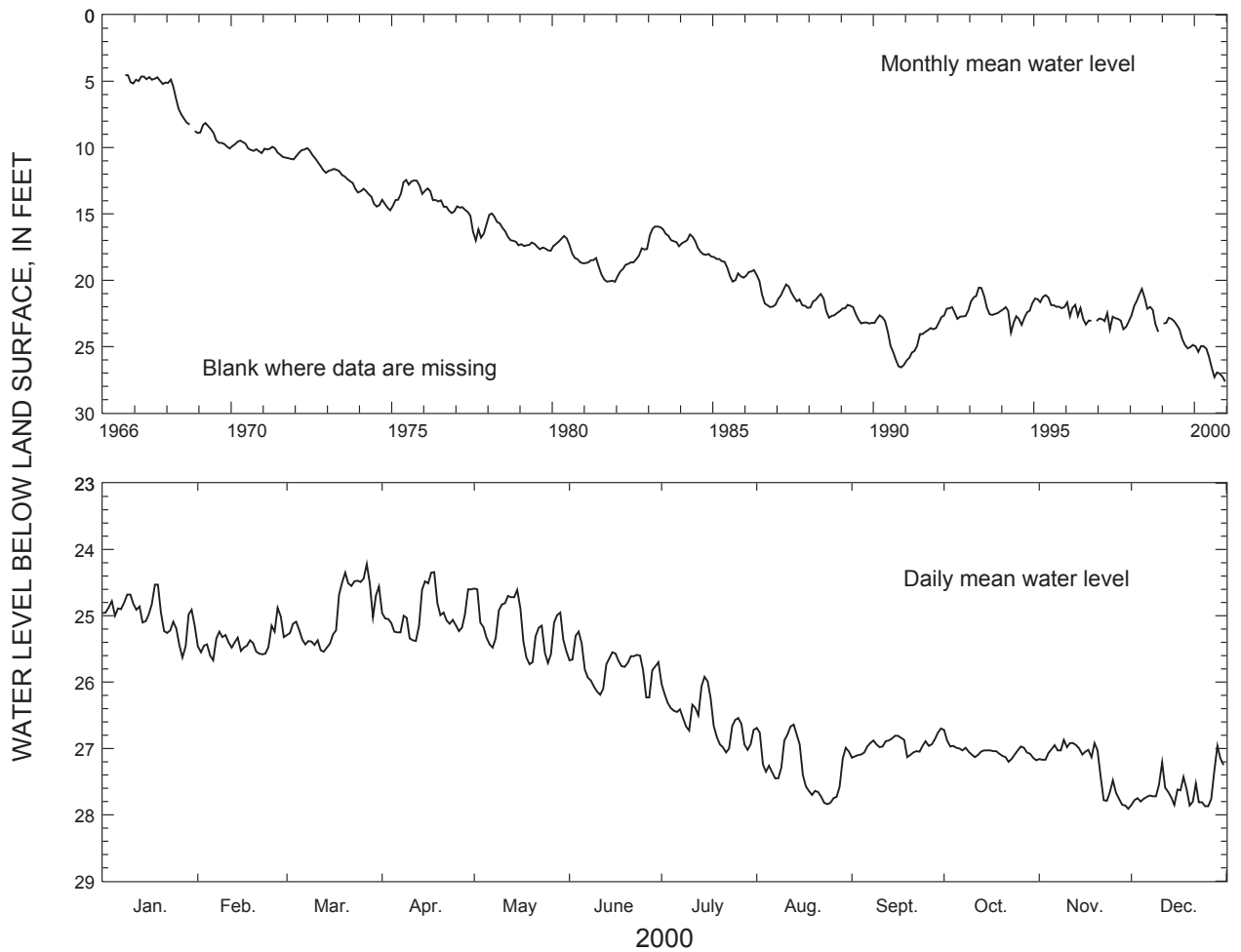
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 10 in., depth 553 ft, cased to 376 ft, open hole.

DATUM.—Altitude of land-surface datum is 16.3 ft.

REMARKS.—None.

PERIOD OF RECORD.—September 1966 to current year. Continuous record since September 1966.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 4.35 ft below land-surface datum, October 4, 1966;  
lowest, 27.91 ft below land-surface datum, November 30, 2000.



| 2000             | JAN                        | FEB   | MAR   | APR        | MAY   | JUNE  | JULY                      | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------------------|----------------------------|-------|-------|------------|-------|-------|---------------------------|-------|-------|-------|-------|-------|
| HIGH             | 24.53                      | 24.88 | 24.22 | 24.34      | 24.59 | 25.24 | 25.92                     | 26.64 | 26.70 | 26.72 | 26.87 | 26.96 |
| MEAN             | 24.99                      | 25.40 | 24.98 | 24.97      | 25.16 | 25.76 | 26.55                     | 27.31 | 26.95 | 27.04 | 27.26 | 27.64 |
| LOW              | 25.63                      | 25.67 | 25.54 | 25.38      | 25.73 | 26.23 | 27.06                     | 27.84 | 27.14 | 27.20 | 27.91 | 27.87 |
| SUMMARY FOR 2000 | HIGH 24.22 (Mar. 27, 2000) |       |       | MEAN 26.17 |       |       | LOW 27.91 (Nov. 30, 2000) |       |       |       |       |       |

**IDENTIFICATION NUMBER.—35P094.**

COUNTY.—Chatham

LOCATION.—Lat 31°59'50", long 81°16'12", Hydrologic Unit 03060204.

SITE NAME.—University of Georgia, Bamboo Farm.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Surficial (sand of Holocene and Pleistocene age).

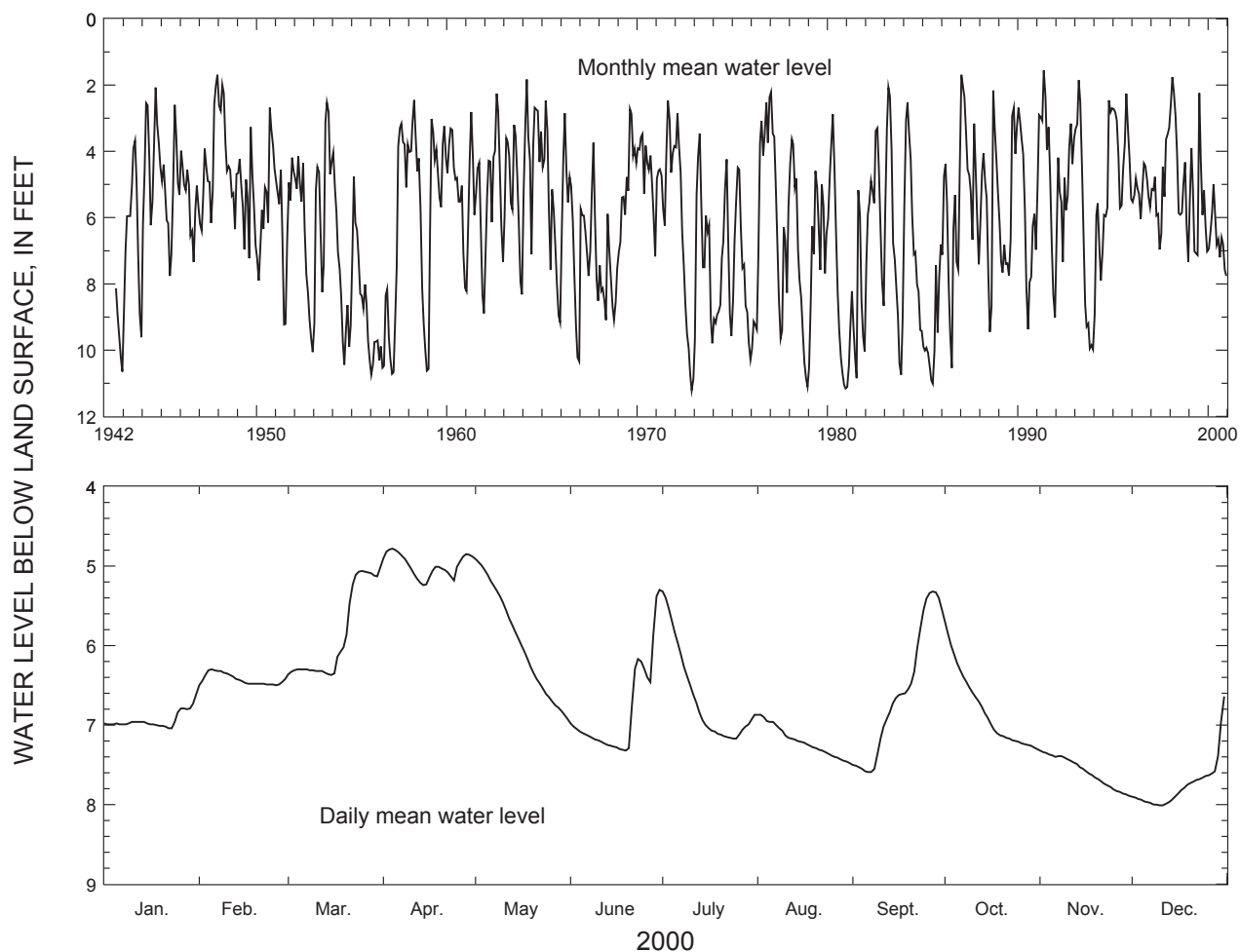
WELL CHARACTERISTICS.—Bored observation well, diameter 30 in., depth 15 ft, cased to 15 ft, open end.

DATUM.—Altitude of land-surface datum is 18.67 ft.

REMARKS.—None.

PERIOD OF RECORD.—August 1942 to current year. Continuous record since August 1942.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 0.05 ft below land-surface datum, September 26, 1953; lowest, 12.28 ft below land-surface datum, November 30, 1972.



| 2000             |      |      |      |                     |      |      |      |      |      |      |                         |      |
|------------------|------|------|------|---------------------|------|------|------|------|------|------|-------------------------|------|
| 2000             | JAN  | FEB  | MAR  | APR                 | MAY  | JUNE | JULY | AUG  | SEPT | OCT  | NOV                     | DEC  |
| HIGH             | 6.61 | 6.30 | 5.02 | 4.78                | 4.91 | 5.30 | 5.32 | 6.87 | 5.32 | 5.70 | 7.32                    | 6.64 |
| MEAN             | 6.94 | 6.42 | 5.86 | 4.99                | 5.96 | 6.83 | 6.66 | 7.20 | 6.60 | 6.80 | 7.58                    | 7.76 |
| LOW              | 7.04 | 6.50 | 6.37 | 5.24                | 6.92 | 7.32 | 7.17 | 7.48 | 7.59 | 7.30 | 7.89                    | 8.01 |
| SUMMARY FOR 2000 |      |      | HIGH | 4.78 (Apr. 4, 2000) |      |      | MEAN | 6.64 |      | LOW  | 8.01 (Dec. 10-11, 2000) |      |

**IDENTIFICATION NUMBER.—36Q008.**

COUNTY.—Chatham

LOCATION.—Lat 32°05'30", long 81°08'50", Hydrologic Unit 03060204.

SITE NAME.—Layne-Atlantic Co.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

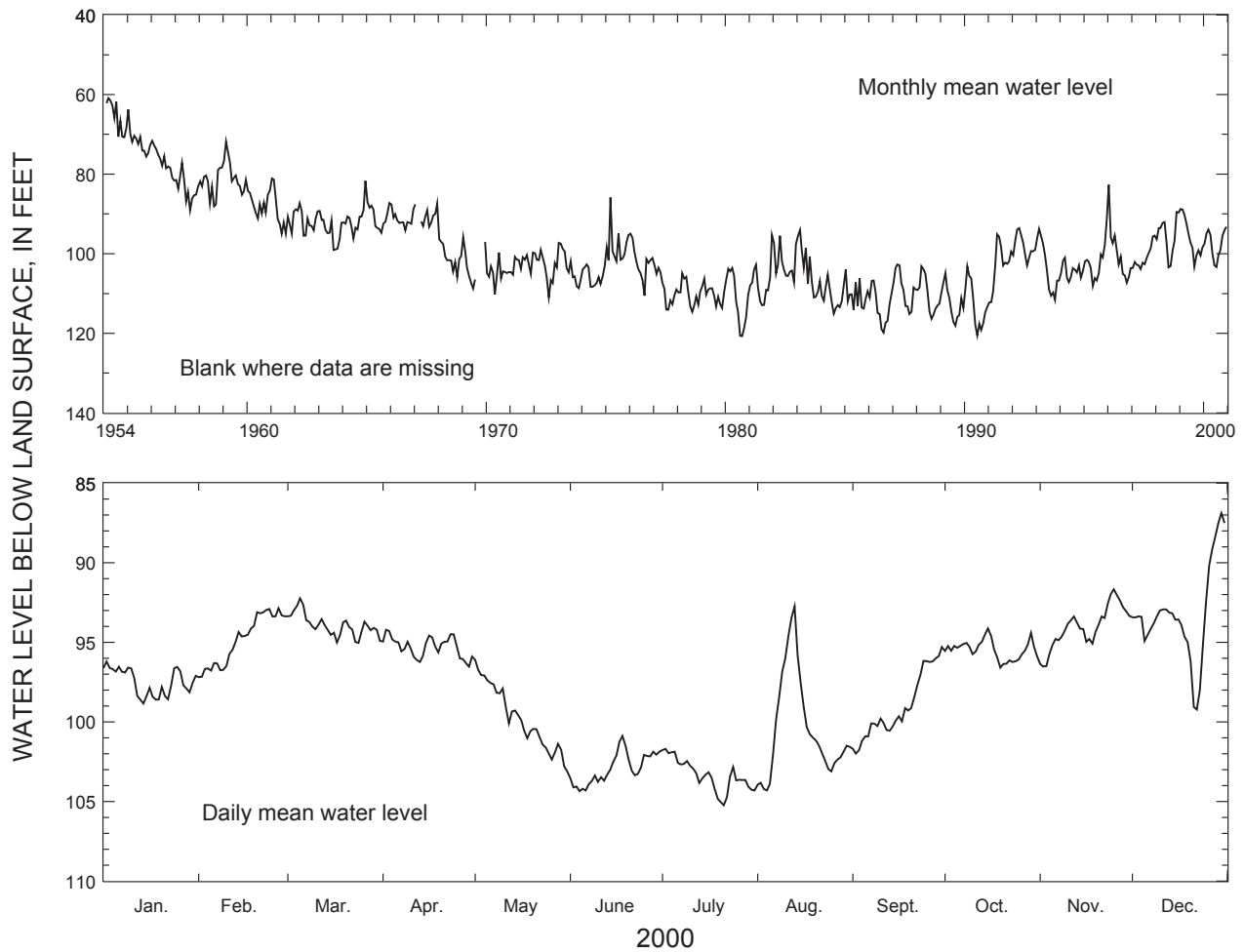
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 4 in., depth 406 ft, cased to 250 ft, open hole.

DATUM.—Altitude of land-surface datum is 9.91 ft.

REMARKS.—None.

PERIOD OF RECORD.—February 1954 to current year. Continuous record since February 1954.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 49.17 ft below land-surface datum, July 11, 1954;  
lowest, 124.40 ft below land-surface datum, August 30, 1980.



| 2000             | JAN   | FEB   | MAR   | APR                   | MAY    | JUNE   | JULY   | AUG    | SEPT   | OCT   | NOV                    | DEC   |
|------------------|-------|-------|-------|-----------------------|--------|--------|--------|--------|--------|-------|------------------------|-------|
| HIGH             | 96.20 | 92.86 | 92.23 | 94.21                 | 96.10  | 100.88 | 101.69 | 92.74  | 95.29  | 94.13 | 91.67                  | 86.88 |
| MEAN             | 97.49 | 94.86 | 93.93 | 95.29                 | 99.79  | 102.94 | 103.33 | 100.45 | 99.07  | 95.47 | 94.05                  | 93.22 |
| LOW              | 98.85 | 97.19 | 95.04 | 96.53                 | 103.11 | 104.35 | 105.23 | 104.30 | 101.99 | 96.59 | 96.52                  | 99.22 |
| SUMMARY FOR 2000 |       |       | HIGH  | 86.88 (Dec. 30, 2000) |        |        | MEAN   | 97.50  |        | LOW   | 105.23 (July 21, 2000) |       |



**IDENTIFICATION NUMBER.—36Q020.**

COUNTY.—Chatham

LOCATION.—Lat 32°00'18", long 81°12'48", Hydrologic Unit 03060204.

SITE NAME.—H.J. Morrison.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

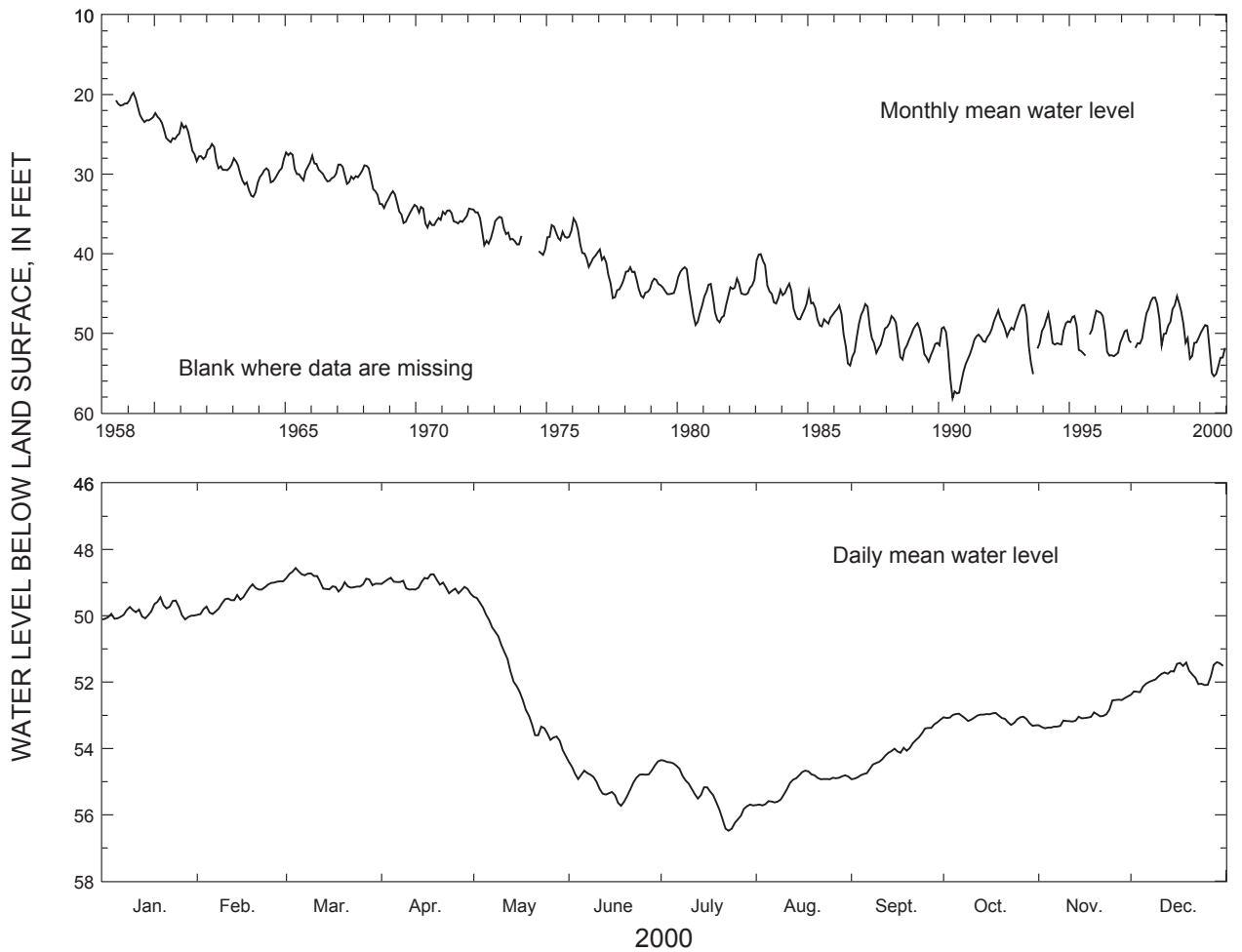
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 3 in., depth 365 ft, cased to 330 ft, open hole.

DATUM.—Altitude of land-surface datum is 13 ft.

REMARKS.—None.

PERIOD OF RECORD.—December 1957 to current year. Continuous record since August 1958.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 17.66 ft below land-surface datum, June 28, 1958; lowest, recorded, 58.56 ft below land-surface datum, July 12, 1990.



| 2000             | JAN                       | FEB   | MAR   | APR   | MAY   | JUNE       | JULY  | AUG                       | SEPT  | OCT   | NOV   | DEC   |
|------------------|---------------------------|-------|-------|-------|-------|------------|-------|---------------------------|-------|-------|-------|-------|
| HIGH             | 49.44                     | 48.96 | 48.56 | 48.75 | 49.43 | 54.39      | 54.35 | 54.67                     | 53.13 | 52.93 | 52.43 | 51.40 |
| MEAN             | 49.88                     | 49.42 | 48.96 | 49.06 | 52.05 | 54.99      | 55.38 | 55.11                     | 54.09 | 53.08 | 53.03 | 51.83 |
| LOW              | 50.11                     | 49.97 | 49.27 | 49.33 | 54.23 | 55.73      | 56.48 | 55.72                     | 54.93 | 53.32 | 53.39 | 52.38 |
| SUMMARY FOR 2000 | HIGH 48.56 (Mar. 4, 2000) |       |       |       |       | MEAN 52.25 |       | LOW 56.48 (July 23, 2000) |       |       |       |       |

**IDENTIFICATION NUMBER.—37P114.**

COUNTY.—Chatham

LOCATION.—Lat 31°59'06", long 81°01'12", Hydrologic Unit 03060204.

SITE NAME.—Georgia Geologic Survey, Skidaway Institute, test well 2.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

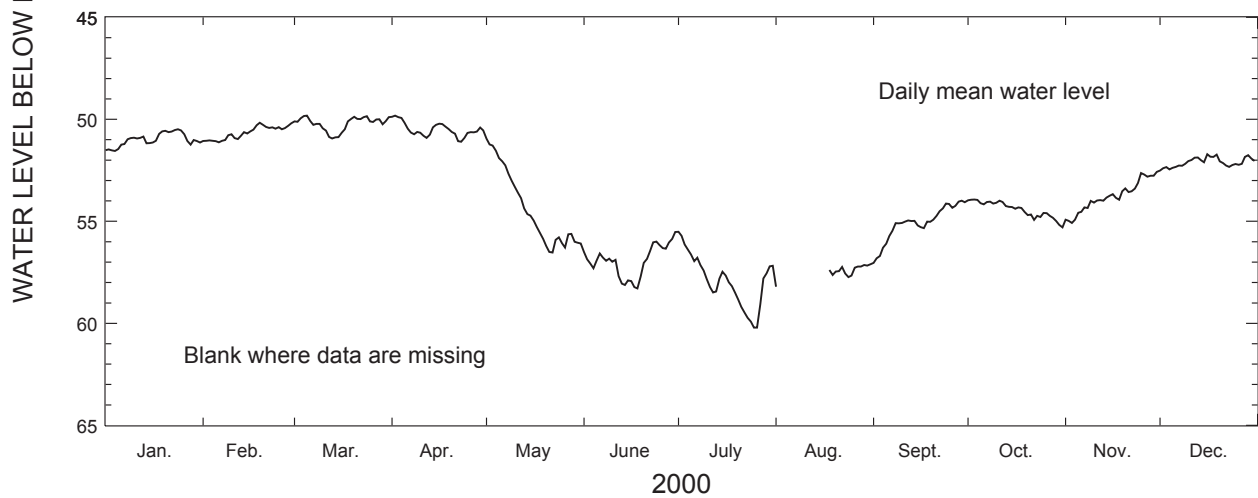
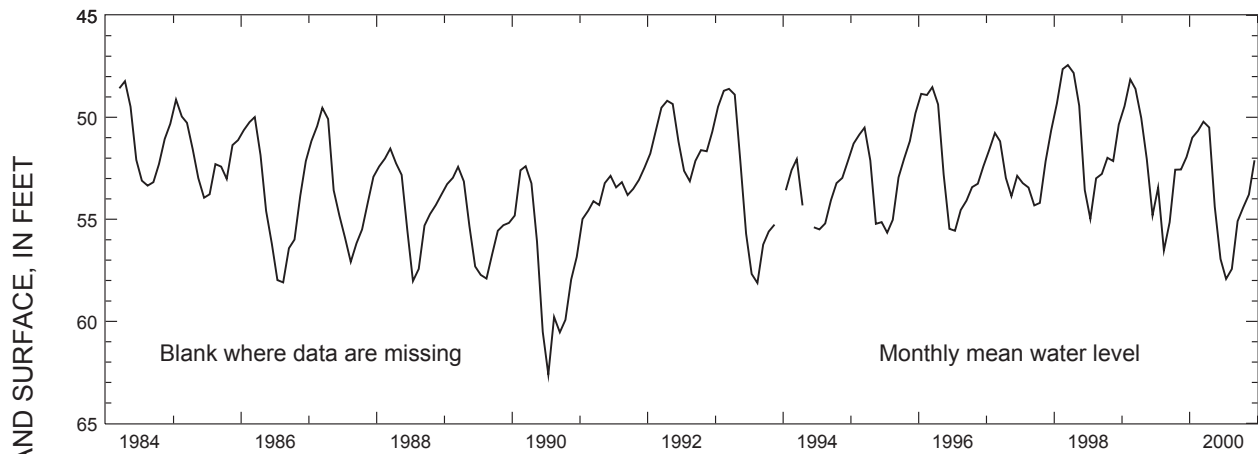
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 400 ft, cased to 262 ft, open hole.

DATUM.—Altitude of land-surface datum is 10 ft.

REMARKS.—Well pumped and sampled, July 24 and November 17, 2000, for analysis of chloride concentration. Water-level data for period, August 2-17, 2000, are missing.

PERIOD OF RECORD.—January 1984 to current year. Continuous record since January 1984.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 46.99 ft below land-surface datum, February 27, 1998; lowest, 64.06 ft below land-surface datum, July 12, 1990.



| 2000             | JAN                       | FEB   | MAR   | APR   | MAY        | JUNE  | JULY  | AUG                          | SEPT  | OCT   | NOV   | DEC   |
|------------------|---------------------------|-------|-------|-------|------------|-------|-------|------------------------------|-------|-------|-------|-------|
| HIGH             | 50.49                     | 50.17 | 49.82 | 49.82 | 50.95      | 55.52 | 55.51 | -----                        | 53.99 | 53.93 | 52.58 | 51.71 |
| MEAN             | 51.00                     | 50.66 | 50.21 | 50.50 | 54.38      | 56.94 | 57.92 | -----                        | 55.09 | 54.42 | 53.78 | 52.11 |
| LOW              | 51.55                     | 51.13 | 50.94 | 51.10 | 56.53      | 58.29 | 60.21 | -----                        | 57.04 | 55.30 | 55.08 | 52.51 |
| SUMMARY FOR 2000 | HIGH 49.82 (Mar. 5, 2000) |       |       |       | MEAN 53.55 |       |       | LOW 60.21 (July 25-26, 2000) |       |       |       |       |

**IDENTIFICATION NUMBER.—37P116.**

COUNTY.—Chatham

LOCATION.—Lat 31°59'06", long 81°01'12", Hydrologic Unit 03060204.

SITE NAME.—Georgia Geologic Survey, Skidaway Institute, test well 4.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Surficial (sand of Miocene and post-Miocene age).

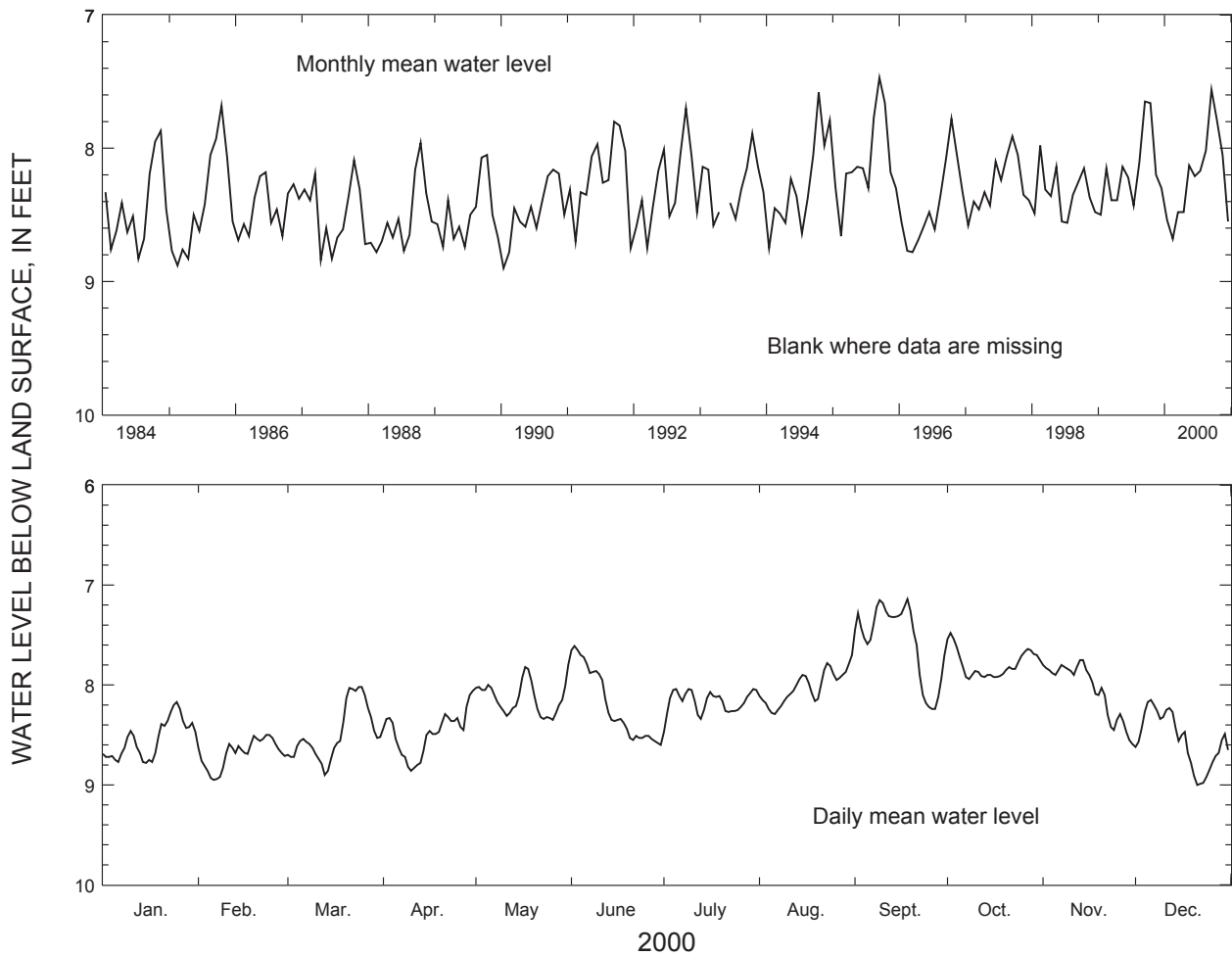
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 85 ft, cased to 70 ft, screen from 70 to 85 ft.

DATUM.—Altitude of land-surface datum is 10 ft.

REMARKS.—None.

PERIOD OF RECORD.—January 1984 to current year. Continuous record since January 1984.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 6.93 ft below land-surface datum, October 13-14, 1994; lowest, 9.27 ft below land-surface datum, March 17, 1993.



| 2000             | JAN  | FEB  | MAR  | APR                   | MAY  | JUNE | JULY | AUG  | SEPT | OCT  | NOV                  | DEC  |
|------------------|------|------|------|-----------------------|------|------|------|------|------|------|----------------------|------|
| HIGH             | 8.17 | 8.50 | 8.02 | 8.06                  | 7.80 | 7.61 | 8.04 | 7.70 | 7.14 | 7.48 | 7.75                 | 8.15 |
| MEAN             | 8.54 | 8.68 | 8.48 | 8.48                  | 8.13 | 8.21 | 8.17 | 8.02 | 7.56 | 7.79 | 8.05                 | 8.55 |
| LOW              | 8.78 | 8.95 | 8.90 | 8.86                  | 8.35 | 8.60 | 8.47 | 8.29 | 8.24 | 7.94 | 8.59                 | 9.00 |
| SUMMARY FOR 2000 |      |      | HIGH | 7.14 (Sept. 18, 2000) |      |      | MEAN | 8.22 |      | LOW  | 9.00 (Dec. 21, 2000) |      |

**IDENTIFICATION NUMBER.—37Q016.**

COUNTY.—Chatham

LOCATION.—Lat 32°04'33", long 81°04'27", Hydrologic Unit 03060204.

SITE NAME.—East Coast Terminal Well.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

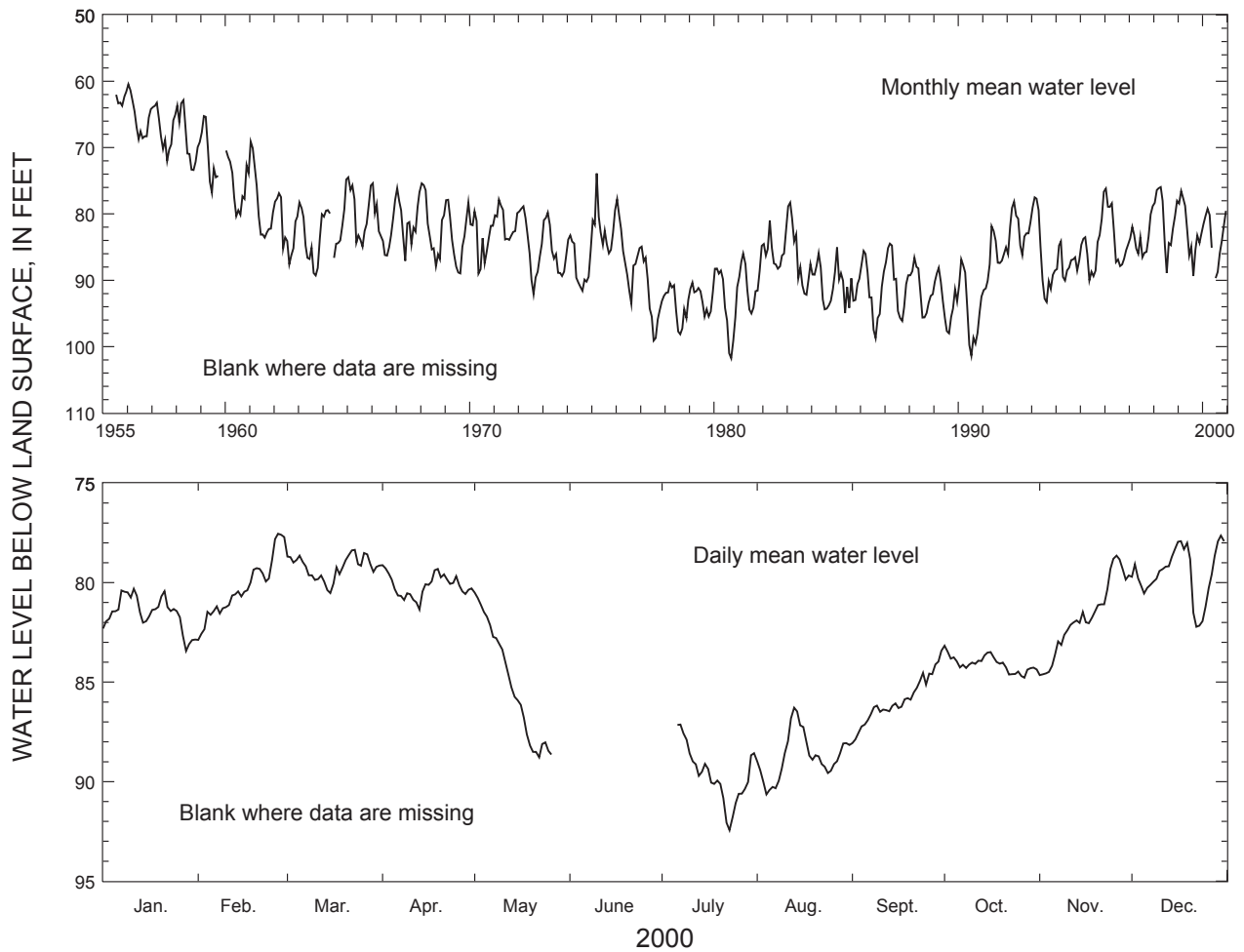
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 500 ft, cased to 260 ft, open hole.

DATUM.—Altitude of land-surface datum is 5 ft.

REMARKS.—Water-level data for period, May 27 to July 5, 2000, are missing.

PERIOD OF RECORD.—July 1955 to current year. Continuous record since July 1955.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 57.61 ft below land-surface datum, December 27, 1955; lowest, 103.53 ft below land-surface datum, July 13, 1990.



| 2000             | JAN   | FEB   | MAR   | APR                   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT                   | NOV   | DEC   |
|------------------|-------|-------|-------|-----------------------|-------|-------|-------|-------|-------|-----------------------|-------|-------|
| HIGH             | 80.31 | 77.54 | 78.35 | 79.12                 | 80.51 | ----- | 87.13 | 86.28 | 83.42 | 83.17                 | 78.64 | 77.64 |
| MEAN             | 81.54 | 80.30 | 79.22 | 80.15                 | 85.11 | ----- | 89.67 | 88.75 | 85.93 | 84.09                 | 81.73 | 79.54 |
| LOW              | 83.43 | 82.88 | 80.52 | 81.35                 | 88.78 | ----- | 92.44 | 90.64 | 88.06 | 84.78                 | 84.65 | 82.22 |
| SUMMARY FOR 2000 |       |       | HIGH  | 77.54 (Feb. 27, 2000) |       |       | MEAN  | ----- | LOW   | 92.44 (July 23, 2000) |       |       |

**IDENTIFICATION NUMBER.—37Q185.**

COUNTY.—Chatham

LOCATION.—Lat 32°06'22", long 81°06'37", Hydrologic Unit 03060109.

SITE NAME.—U.S. Geological Survey, Hutchinson Island, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

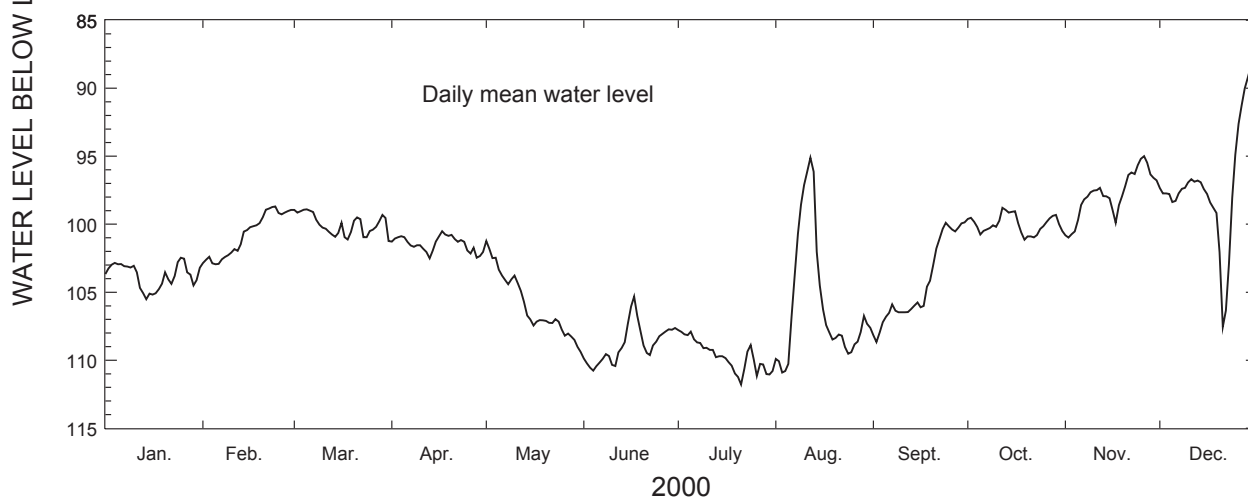
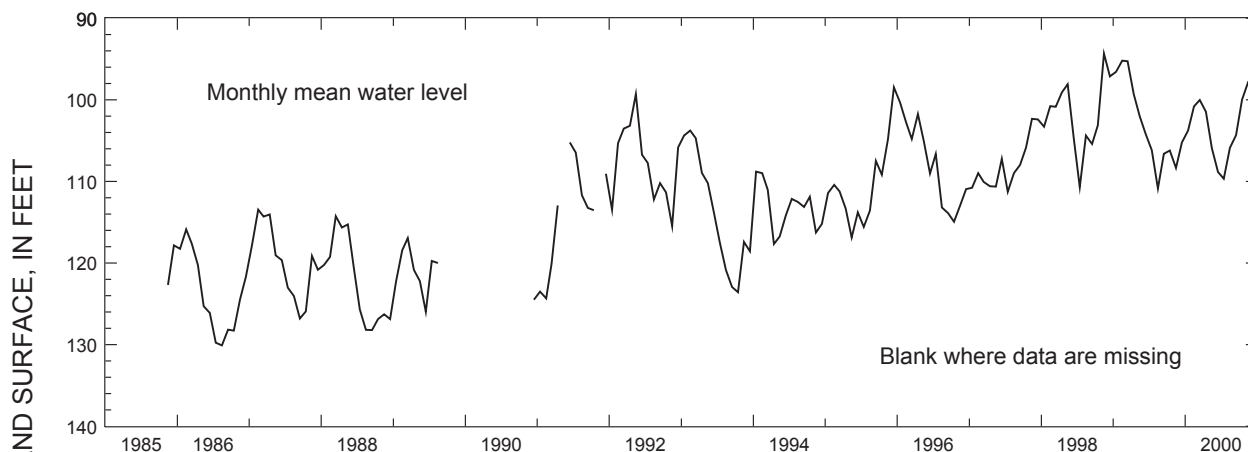
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 360 ft, cased to 274 ft, open hole.

DATUM.—Altitude of land-surface datum is 6 ft.

REMARKS.—Well pumped and sampled, July 26 and November 17, 2000, for analysis of chloride concentration.

PERIOD OF RECORD.—November 1985 to current year. Continuous record since November 1985.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 77.40 ft below land-surface datum, November 29, 1998;  
lowest, 131.68 ft below land-surface datum, July 22, 1986.



| 2000             | JAN                        | FEB    | MAR    | APR    | MAY    | JUNE        | JULY   | AUG                        | SEPT   | OCT    | NOV    | DEC    |
|------------------|----------------------------|--------|--------|--------|--------|-------------|--------|----------------------------|--------|--------|--------|--------|
| HIGH             | 102.46                     | 98.69  | 98.90  | 100.51 | 101.24 | 105.31      | 107.78 | 95.11                      | 99.87  | 98.80  | 95.00  | 88.31  |
| MEAN             | 103.77                     | 100.79 | 100.02 | 101.45 | 105.93 | 108.84      | 109.66 | 105.89                     | 104.32 | 100.01 | 97.80  | 97.05  |
| LOW              | 105.51                     | 102.95 | 101.23 | 102.50 | 109.38 | 110.77      | 111.78 | 110.91                     | 108.66 | 101.13 | 100.98 | 107.54 |
| SUMMARY FOR 2000 | HIGH 88.31 (Dec. 30, 2000) |        |        |        |        | MEAN 102.97 |        | LOW 111.78 (July 21, 2000) |        |        |        |        |

**IDENTIFICATION NUMBER.—37Q186.**

COUNTY.—Chatham

LOCATION.—Lat 32°06'22", long 81°06'37", Hydrologic Unit 03060109.

SITE NAME.—U.S. Geological Survey, Hutchinson Island, test well 2.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Paleocene and Cretaceous aquifer systems equivalents of low permeability.

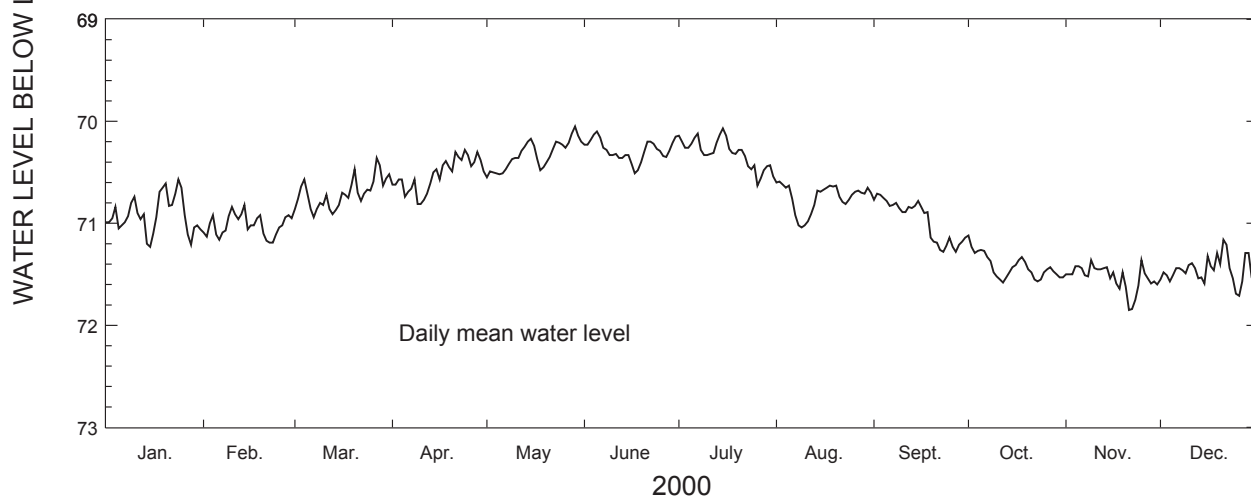
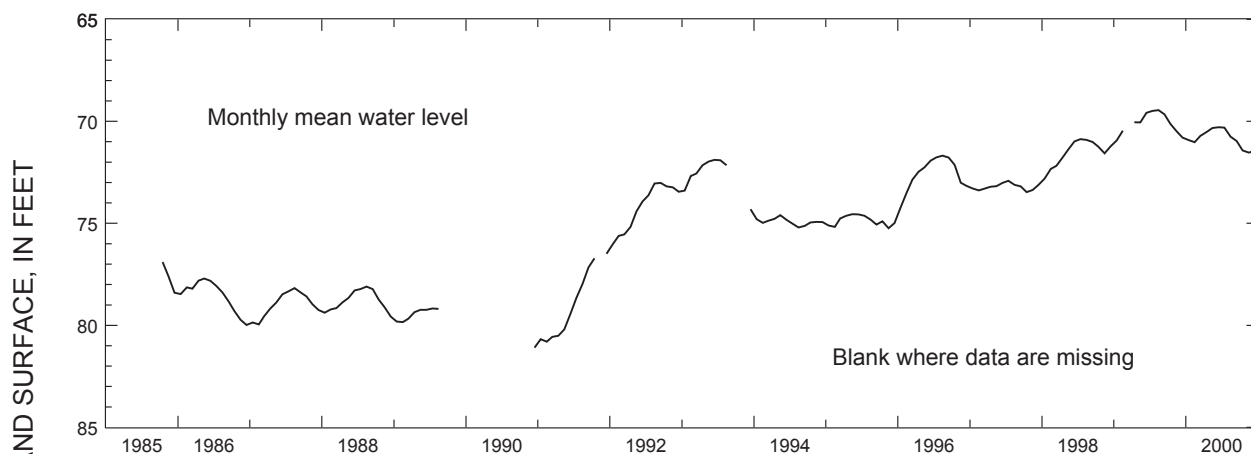
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 and 4 in., depth 1,520 ft, 6 in. casing to 792 ft and 4 in. from 792 to 1,380 ft, open hole.

DATUM.—Altitude of land-surface datum is 6 ft.

REMARKS.—Well pumped and sampled, July 26 and November 17, 2000, for analysis of chloride concentration.

PERIOD OF RECORD.—October 1985 to current year. Continuous record since October 1985.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 69.27 ft below land-surface datum, August 29, 1999; lowest, 81.88 ft below land-surface datum, December 14, 1990.



| 2000             | JAN                       | FEB   | MAR   | APR   | MAY   | JUNE       | JULY  | AUG                       | SEPT  | OCT   | NOV   | DEC   |
|------------------|---------------------------|-------|-------|-------|-------|------------|-------|---------------------------|-------|-------|-------|-------|
| HIGH             | 70.57                     | 70.82 | 70.36 | 70.28 | 70.05 | 70.10      | 70.07 | 70.59                     | 70.71 | 71.12 | 71.36 | 71.16 |
| MEAN             | 70.92                     | 71.02 | 70.71 | 70.52 | 70.33 | 70.29      | 70.31 | 70.75                     | 70.97 | 71.43 | 71.53 | 71.46 |
| LOW              | 71.23                     | 71.19 | 70.94 | 70.81 | 70.55 | 70.51      | 70.63 | 71.04                     | 71.28 | 71.58 | 71.85 | 71.71 |
| SUMMARY FOR 2000 | HIGH 70.05 (May 29, 2000) |       |       |       |       | MEAN 70.85 |       | LOW 71.85 (Nov. 21, 2000) |       |       |       |       |

**IDENTIFICATION NUMBER.—38Q002.**

COUNTY.—Chatham

LOCATION.—Lat 32°02'01", long 80°54'11", Hydrologic Unit 03060204.

SITE NAME.—U.S. National Park Service, test well 6.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

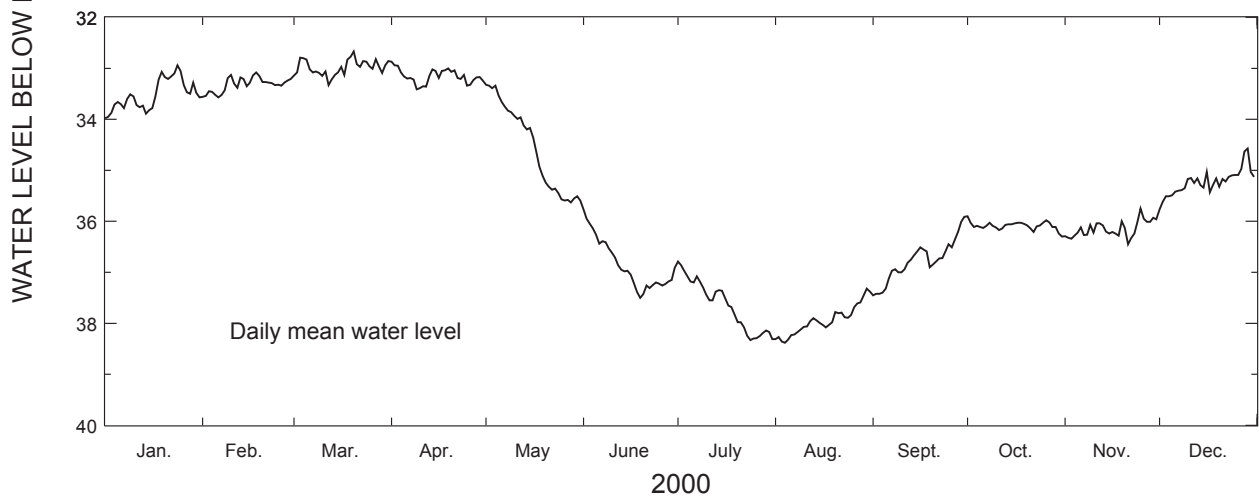
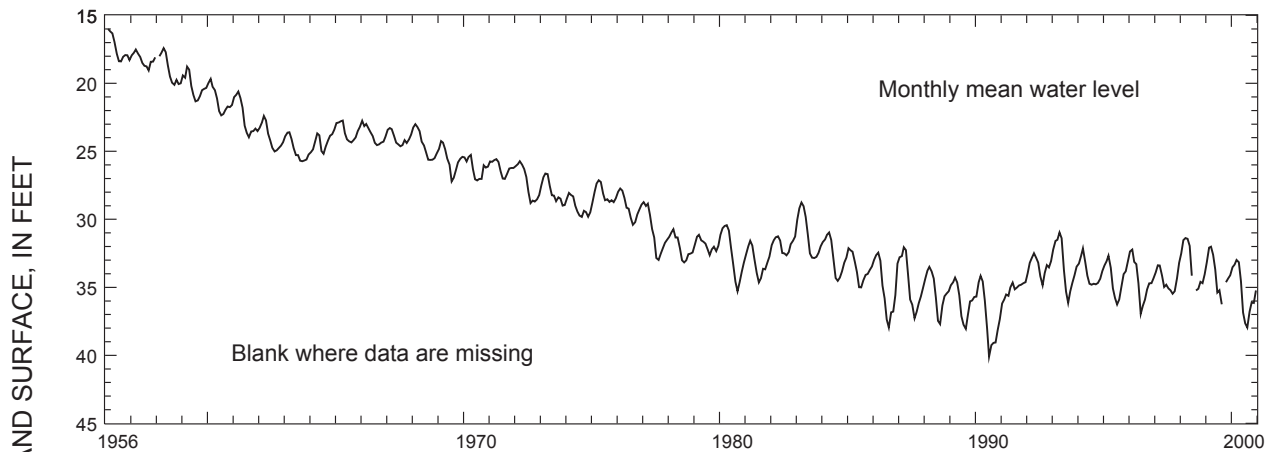
WELL CHARACTERISTICS.—Drilled observation well, diameter 8 in., depth 348 ft, cased to 110 ft, open hole.

DATUM.—Altitude of land-surface datum is 8.0 ft.

REMARKS.—Well pumped and sampled, July 25 and November 20, 2000, for analysis of chloride concentration.

PERIOD OF RECORD.—February 1956 to current year. Continuous record since February 1956.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 16.00 ft below land-surface datum, March 5, 1956; lowest, 40.69 ft below land-surface datum, July 16, 1990.



| 2000             | JAN                        | FEB   | MAR        | APR   | MAY                      | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------------------|----------------------------|-------|------------|-------|--------------------------|-------|-------|-------|-------|-------|-------|-------|
| HIGH             | 32.94                      | 33.08 | 32.67      | 32.87 | 33.32                    | 35.77 | 36.79 | 37.32 | 35.91 | 35.90 | 35.75 | 34.57 |
| MEAN             | 33.52                      | 33.32 | 32.98      | 33.16 | 34.55                    | 36.85 | 37.65 | 37.95 | 36.78 | 36.09 | 36.15 | 35.23 |
| LOW              | 33.98                      | 33.57 | 33.33      | 33.41 | 35.63                    | 37.50 | 38.33 | 38.38 | 37.45 | 36.30 | 36.45 | 35.77 |
| SUMMARY FOR 2000 | HIGH 32.67 (Mar. 20, 2000) |       | MEAN 35.36 |       | LOW 38.38 (Aug. 4, 2000) |       |       |       |       |       |       |       |

**IDENTIFICATION NUMBER.—38Q201.**

COUNTY.—Chatham

LOCATION.—Lat 32°01'50", long 80°54'06", Hydrologic Unit 03060109.

SITE NAME.—U.S. National Park Service, Fort Pulaski, test well.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Paleocene and Cretaceous aquifer systems equivalents of low permeability.

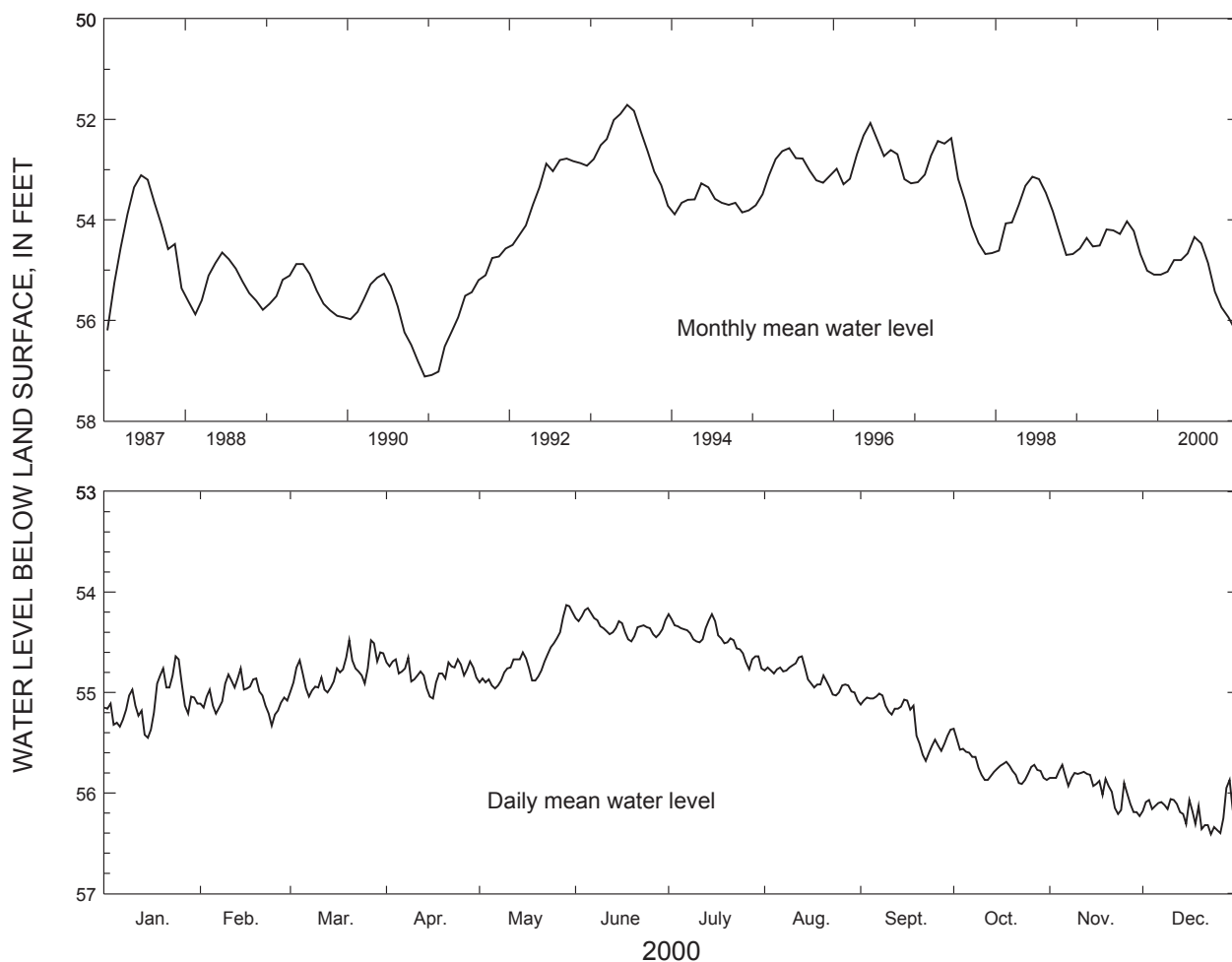
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 1,546 ft, cased to 1,358 ft, open hole.

DATUM.—Altitude of land-surface datum is 7 ft.

REMARKS.—Well pumped and sampled, July 25, August 29, September 20, and November 6 and 20, 2000, for analysis of chloride concentration.

PERIOD OF RECORD.—January 1987 to current year. Continuous record since January 1987.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 51.40 ft below land-surface datum, June 24, 1993; lowest, 57.38 ft below land-surface datum, January 6, 1991.



| 2000             | JAN                       | FEB   | MAR   | APR   | MAY   | JUNE       | JULY  | AUG                       | SEPT  | OCT   | NOV   | DEC   |
|------------------|---------------------------|-------|-------|-------|-------|------------|-------|---------------------------|-------|-------|-------|-------|
| HIGH             | 54.64                     | 54.76 | 54.48 | 54.65 | 54.13 | 54.16      | 54.22 | 54.64                     | 55.01 | 55.36 | 55.72 | 55.87 |
| MEAN             | 55.09                     | 55.03 | 54.80 | 54.80 | 54.67 | 54.34      | 54.47 | 54.86                     | 55.27 | 55.74 | 55.94 | 56.19 |
| LOW              | 55.45                     | 55.33 | 55.04 | 55.06 | 54.96 | 54.49      | 54.77 | 55.08                     | 55.68 | 55.91 | 56.23 | 56.41 |
| SUMMARY FOR 2000 | HIGH 54.13 (May 29, 2000) |       |       |       |       | MEAN 55.10 |       | LOW 56.41 (Dec. 23, 2000) |       |       |       |       |



**IDENTIFICATION NUMBER.—39Q003.**

COUNTY.—Chatham

LOCATION.—Lat 32°01'22", long 80°51'01", Hydrologic Unit 03060204.

SITE NAME.—U.S. Geological Survey, test well 7.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

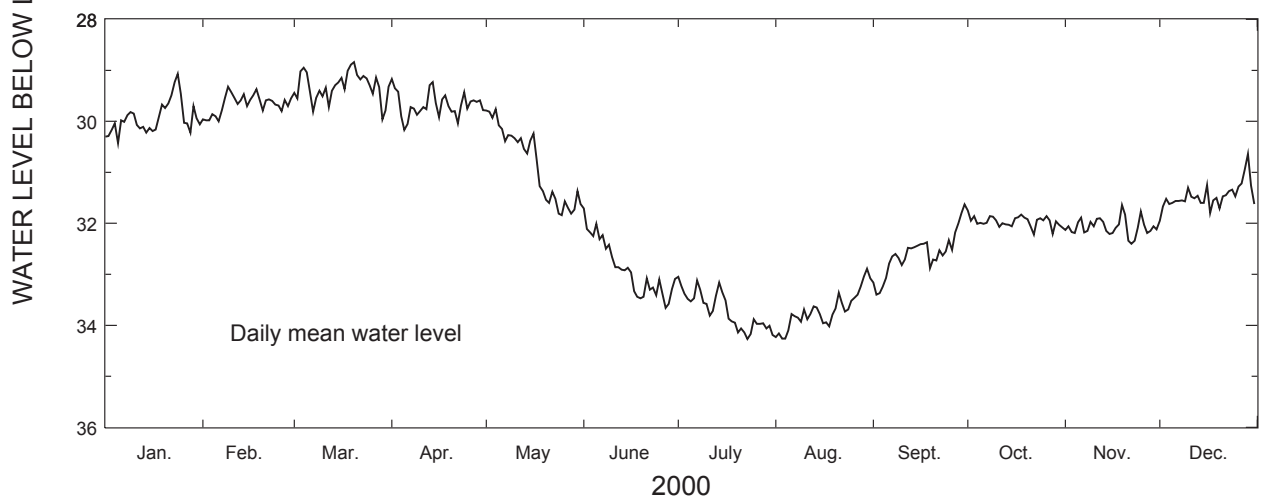
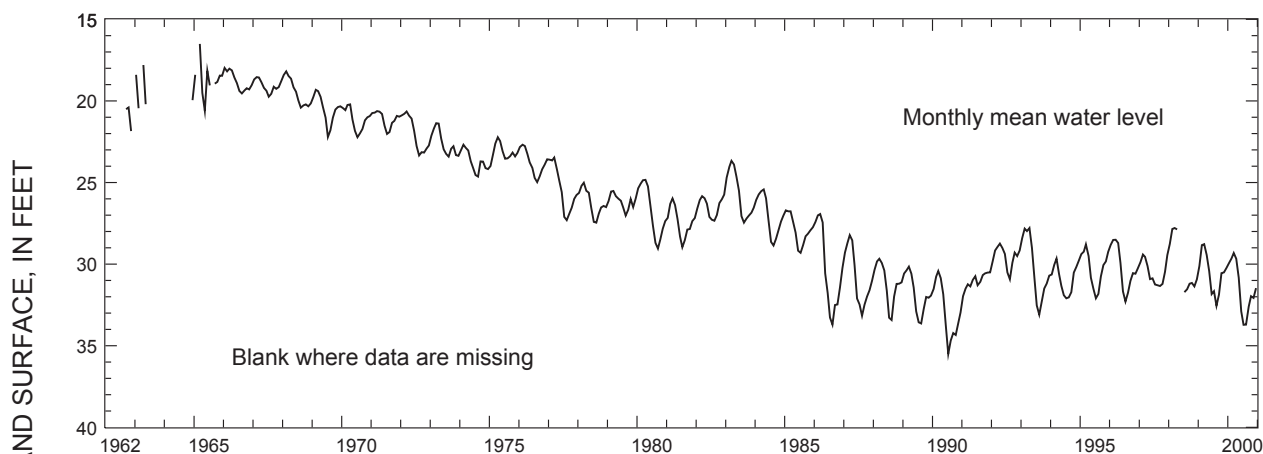
WELL CHARACTERISTICS.—Drilled observation well, diameter 10 in., depth 600 ft, cased to 129 ft, open hole.

DATUM.—Altitude of land-surface datum is 7.0 ft.

REMARKS.—None.

PERIOD OF RECORD.—May 1962 to current year. Continuous record since December 1964.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 17.80 ft below land-surface datum, April 11, 1963;  
lowest, 36.07 ft below land-surface datum, July 11-12, 1990.



| 2000             | JAN   | FEB   | MAR   | APR                   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV                   | DEC   |
|------------------|-------|-------|-------|-----------------------|-------|-------|-------|-------|-------|-------|-----------------------|-------|
| HIGH             | 29.07 | 29.32 | 28.84 | 29.17                 | 29.76 | 31.71 | 33.05 | 32.89 | 31.63 | 31.75 | 31.64                 | 30.64 |
| MEAN             | 29.94 | 29.66 | 29.32 | 29.67                 | 30.84 | 32.89 | 33.72 | 33.71 | 32.60 | 31.97 | 32.07                 | 31.47 |
| LOW              | 30.43 | 30.00 | 29.96 | 30.17                 | 31.84 | 33.66 | 34.27 | 34.26 | 33.40 | 32.22 | 32.40                 | 31.95 |
| SUMMARY FOR 2000 |       |       | HIGH  | 28.84 (Mar. 20, 2000) |       |       | MEAN  | 31.49 |       | LOW   | 34.27 (July 23, 2000) |       |

**IDENTIFICATION NUMBER.—39Q024.**

COUNTY.—Chatham

LOCATION.—Lat 32°01'27", long 80°51'12", Hydrologic Unit 03060109.

SITE NAME.—Tybee Island, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Lower Floridan.

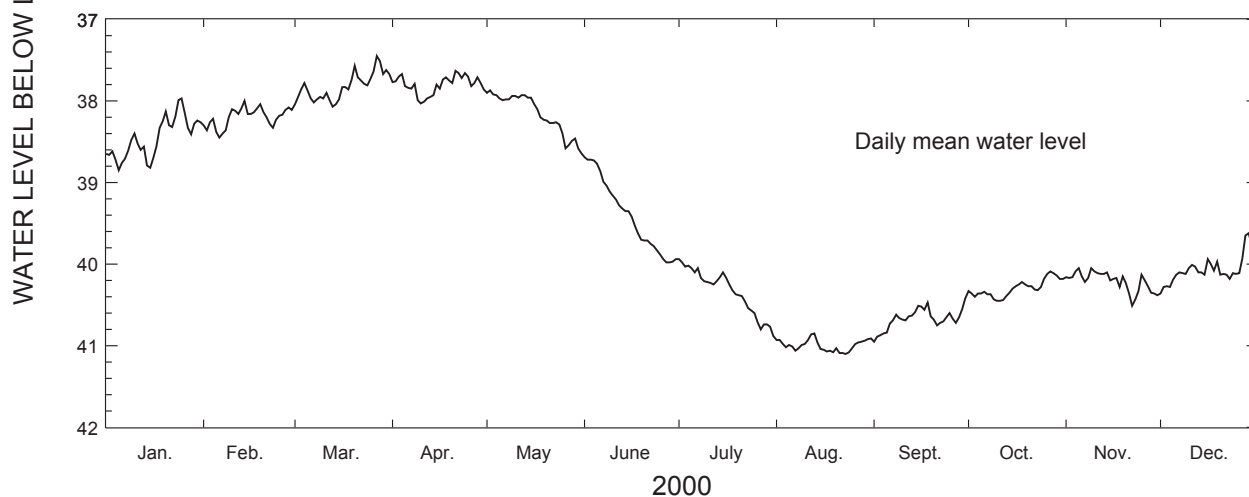
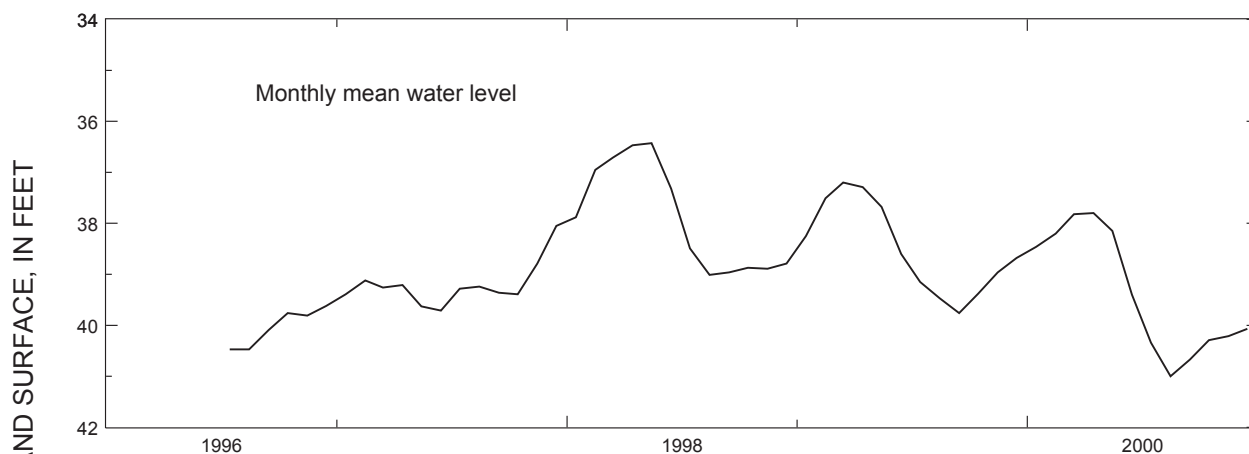
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 888 ft, cased to 840 ft, open hole.

DATUM.—Altitude of land-surface datum is 10 ft.

REMARKS.—None.

PERIOD OF RECORD.—July 1996 to current year. Continuous record since July 1996.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 36.24 ft below land-surface datum, May 11, 1998;  
lowest, 41.10 ft below land-surface datum, August 23, 2000.



| 2000             | JAN                        | FEB   | MAR   | APR   | MAY   | JUNE       | JULY  | AUG                       | SEPT  | OCT   | NOV   | DEC   |
|------------------|----------------------------|-------|-------|-------|-------|------------|-------|---------------------------|-------|-------|-------|-------|
| HIGH             | 37.97                      | 38.00 | 37.45 | 37.63 | 37.87 | 38.69      | 39.94 | 40.85                     | 40.42 | 40.09 | 40.05 | 39.62 |
| MEAN             | 38.46                      | 38.20 | 37.82 | 37.80 | 38.15 | 39.40      | 40.34 | 41.00                     | 40.67 | 40.29 | 40.21 | 40.07 |
| LOW              | 38.85                      | 38.45 | 38.07 | 38.03 | 38.64 | 39.98      | 40.88 | 41.10                     | 40.95 | 40.45 | 40.51 | 40.36 |
| SUMMARY FOR 2000 | HIGH 37.45 (Mar. 27, 2000) |       |       |       |       | MEAN 39.37 |       | LOW 41.10 (Aug. 23, 2000) |       |       |       |       |

**IDENTIFICATION NUMBER.—39Q025.**

COUNTY.—Chatham

LOCATION.—Lat 32°01'27", long 80°51'12", Hydrologic Unit 03060109.

SITE NAME.—Tybee Island, test well 2.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—surficial.

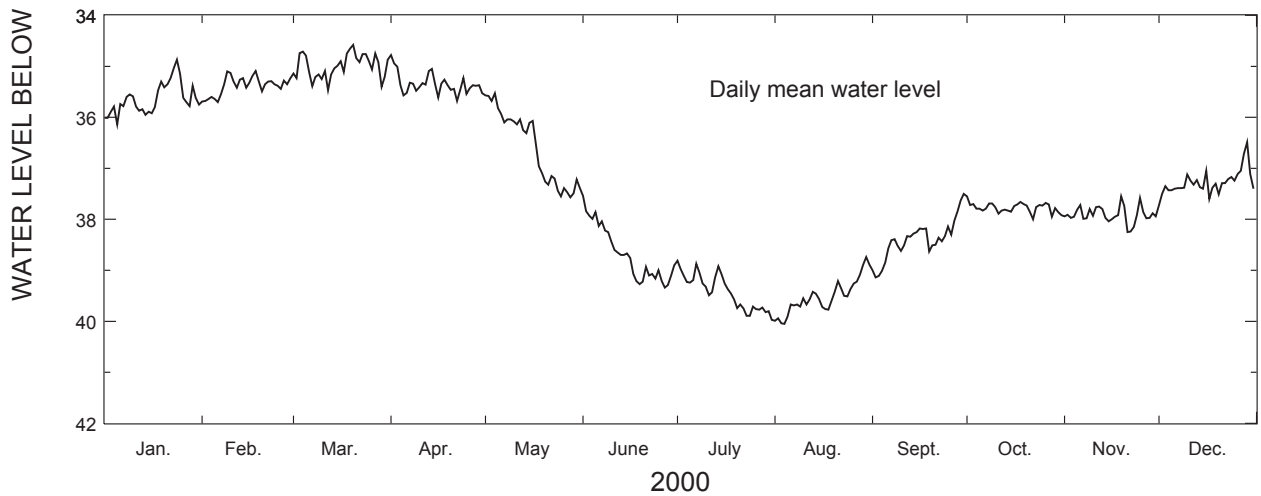
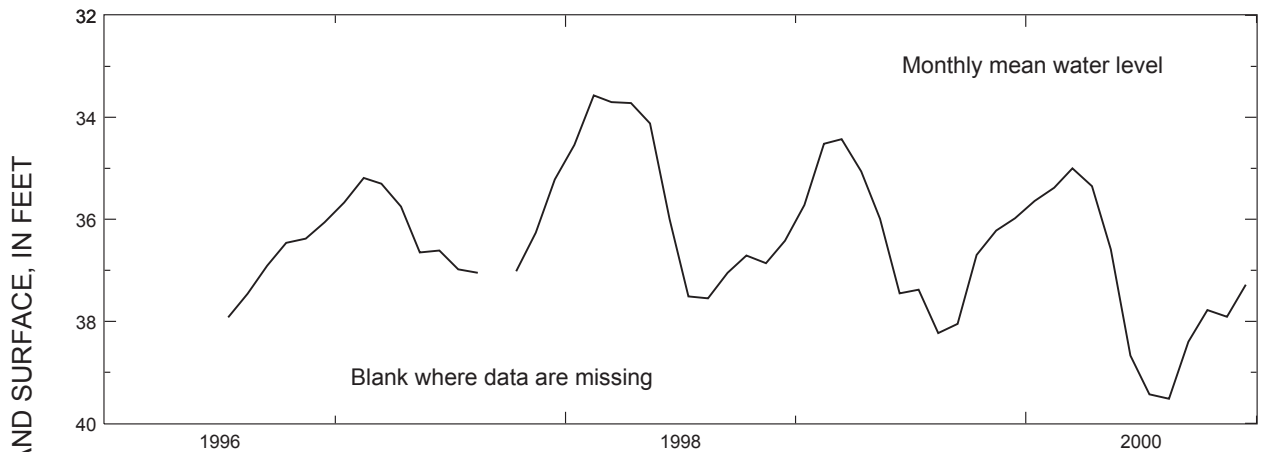
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 145 ft, cased to 125 ft, screened 20 ft.

DATUM.—Altitude of land-surface datum is 10 ft.

REMARKS.—None.

PERIOD OF RECORD.—July 1996 to current year. Continuous record since July 1996.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 33.00 ft below land-surface datum, February 27, 1998;  
lowest, 40.05 ft below land-surface datum, August 4, 2000.



| 2000             | JAN   | FEB   | MAR   | APR                   | MAY   | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV                  | DEC   |
|------------------|-------|-------|-------|-----------------------|-------|-------|-------|-------|-------|-------|----------------------|-------|
| HIGH             | 34.87 | 35.09 | 34.58 | 34.78                 | 35.53 | 37.54 | 38.81 | 38.74 | 37.50 | 37.55 | 37.55                | 36.49 |
| MEAN             | 35.64 | 35.38 | 35.00 | 35.35                 | 36.59 | 38.67 | 39.43 | 39.52 | 38.40 | 37.78 | 37.91                | 37.28 |
| LOW              | 36.14 | 35.70 | 35.47 | 35.68                 | 37.57 | 39.34 | 39.97 | 40.05 | 39.14 | 38.00 | 38.25                | 37.72 |
| SUMMARY FOR 2000 |       |       | HIGH  | 34.58 (Mar. 20, 2000) |       |       | MEAN  | 37.25 |       | LOW   | 40.05 (Aug. 4, 2000) |       |

**IDENTIFICATION NUMBER.—39Q026.**

COUNTY.—Chatham

LOCATION.—Lat 32°01'27", long 80°51'12", Hydrologic Unit 03060109.

SITE NAME.—Tybee Island, test well 3.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Low permeability equivalent of the Upper Brunswick Aquifer.

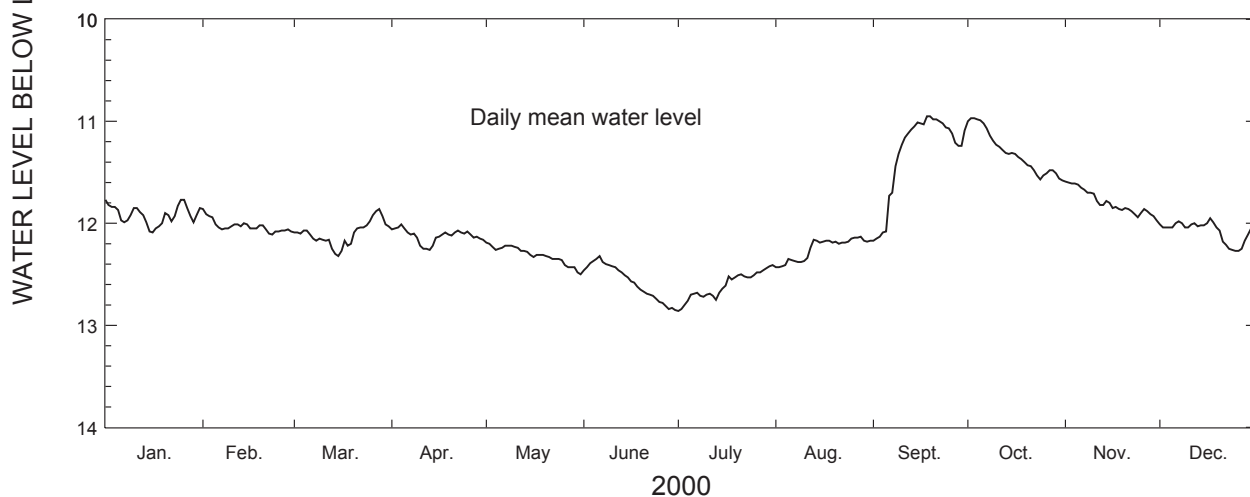
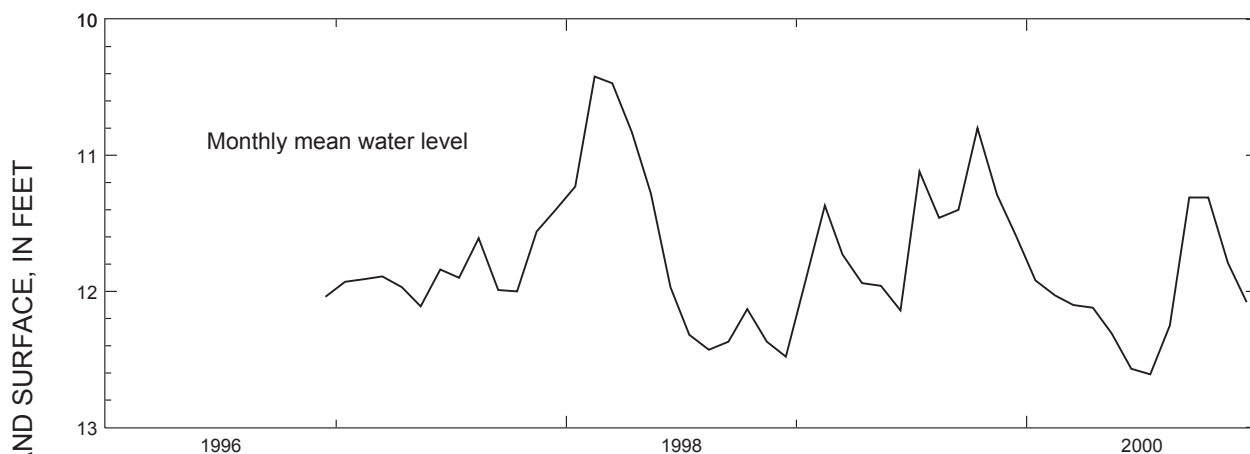
WELL CHARACTERISTICS.—Drilled observation well, diameter 6 in., depth 100 ft, screened 20 ft.

DATUM.—Altitude of land-surface datum is 10 ft.

REMARKS.—None.

PERIOD OF RECORD.—December 1996 to current year. Continuous record since December 1996.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 10.12 ft below land-surface datum, February 23, 1998;  
lowest, 13.37 ft below land-surface datum, January 7, 1998.



| 2000             | JAN                            | FEB   | MAR        | APR   | MAY                      | JUNE  | JULY  | AUG   | SEPT  | OCT   | NOV   | DEC   |
|------------------|--------------------------------|-------|------------|-------|--------------------------|-------|-------|-------|-------|-------|-------|-------|
| HIGH             | 11.77                          | 11.86 | 11.86      | 12.01 | 12.19                    | 12.32 | 12.41 | 12.13 | 10.95 | 10.97 | 11.59 | 11.95 |
| MEAN             | 11.92                          | 12.03 | 12.10      | 12.12 | 12.31                    | 12.57 | 12.61 | 12.25 | 11.31 | 11.31 | 11.79 | 12.08 |
| LOW              | 12.09                          | 12.11 | 12.32      | 12.26 | 12.50                    | 12.85 | 12.86 | 12.43 | 12.17 | 11.58 | 11.97 | 12.27 |
| SUMMARY FOR 2000 | HIGH 10.95 (Sept. 18-19, 2000) |       | MEAN 12.03 |       | LOW 12.86 (July 1, 2000) |       |       |       |       |       |       |       |